THE WORLD'S BEST AMIGA MAGAZINE

AMIGA FORMAT

FREE! AMIGA SHOPPER SUPPLEMENT

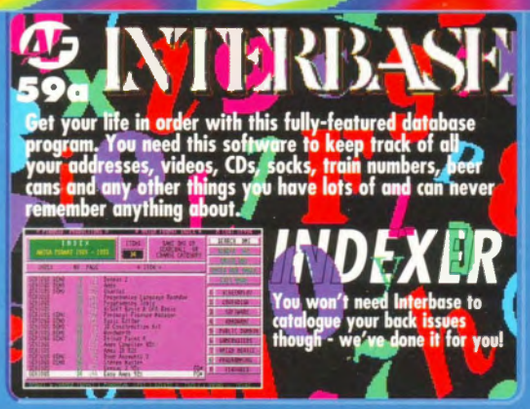
ISSUE 59 ■ MAY 1994 ■ £3.95

FIND & FORGET

NEVER lose that important information again. These databases will keep it all safe and easy to find.

FORGET about all the other mags' demos, we've got an exclusive Syndicate mission and a sexy shoot-em-up.

FLIP TO THE BACK COVER FOR MORE ON THESE GREAT DISKS







CD AT LAST!

A1200 CD-ROM

EXCLUSIVE: THE FULL SPEC



PLUS: Wordworth 3 versus Final Writer in our massive word processor showdown

GAMES GALORE!
Arcade Pool, Total Carnage, Apocalypse, K240, Darkmere, Fury of the Furries CD32

Future PUBLISHING
Your guarantee of value







PC1202-8

Power Computing and DKB have joined forces to produce the ultimate A1200 32-bit memory expansion. The PC1202-8 uses the latest industry standard 32-bit Simm technology which allows you to use 2MB, 4MB and 8MB modules. Simply by adding either a PC1202-8 to your Amiga 1200 will increase its processing speed by 219%, comes with real-time battery backed clock and optional FPU available.

Bare

PC1202-8 ..... **£79.95**
PC1202-8 + 68882 20MHz **£99.95**

With 2MB

PC1202-8 + 6888 2 no FPU.. **£159.95**
PC1202-8 + 68882 20MHz ... **£179.95**
PC1202-8 + 68882 33MHz ... **£199.95**
PC1202-8 + 68882 40MHz ... **£225.95**

Trade in your 2MB Simm to upgrade to 4MB or 8MB, telephone for details.

With 4MB

PC1202-8 + 6888 2 no FPU.. **£239.95**
PC1202-8 + 68882 20MHz ... **£259.95**
PC1202-8 + 68882 33MHz ... **£275.95**
PC1202-8 + 68882 40MHz ... **£299.95**

There is no need to throw away the board if you want to upgrade from 4MB to 8MB. Its simple, just buy an extra 4MB Simm.

Extra 4MB Simm **£159.95**



PC1204

The original PC1204 4MB 32-bit memory expansion is still available, and is exceptional value.

PC1204 + 68882 50MHz **£319.95**

New Midi Interface

Midi Interface (new Midi chip).. **£19.95**



MegaChip Ram

Increase your Amiga 500/2000 chip RAM to a total of 2MB. MegaChip does this by using its own 1MB of RAM and drawing extra memory from any other RAM you have installed in your Amiga. No soldering is required.

MegaChip RAM **£159**



A500 Memory

A 4-chip 512K RAM expansion with a battery backed clock. Free software included. (A500+ compatible)

A500 Card with clock **£29**

A500 8MB

Expand your Amiga 500 from 2MB to 8MB of RAM. Plugs into the side slot, full auto-config, and through port.

2MB Board **£139**
4MB Board **£219**
8MB Board **£299**

Memory Expansions

We manufacture a vast range of memory cards for the Amiga 500, 500+, 600, 1200, 1500, 2000, 3000 and 4000. Please telephone us for prices and availability.

DKB 3128

Up to 128MB of RAM on your Amiga 3000/400 using 4,8,16 and 32MB Simm modules. This is a true Zorro III 32-bit memory board.

DKB 3128 0MB RAM..... **£279**

Octogen SCSI-2

SCSI-2 board for the Amiga 2000 including memory expansion capabilities of up to 8MB.

Octogen SCSI-2 ..... **£129**



DKB 4091

The DKB 4091 (licensed by Commodore) SCSI Host Adaptor is a high performance board that connects up to seven SCSI devices to your Amiga. The DKB 4091 features: Full Zorro III implementation, fast SCSI-2 implementation, SCSI internal connector and ribbon cable, high density SCSI-2 external connector, direct memory access (DMA) and hardware to install a 3.5" hard drive on the board.

DKB 4091 ..... **£299**



Video Backup

Use a VCR as a backup storage device. Two hundred Amiga floppy disks fit on to a 4Hr tape which can be used for an alternative hard disk backup system. What's more you can now watch television on your 1084s monitor. A Scart or Phono version is available.

Video Backup Scart **£65**
Video Backup Phono **£60**

GVP Products

Power Computing can supply all GVP 'High end professional' hardware and software. Please call for your requirements.

EGS Spectrum 24-bit card (2MB)... **£389**
G-Lock (PAL video genlock) **£299**
HC8+ SCSI controller..... **£129**

Hard disks available from 52MB to 1GB

Co-processors

All maths co-processors include crystals.

20MHz..... **£40**
33MHz..... **£69**
40MHz..... **£89**
50MHz (PGA)..... **£154**



Disk Expander

Disk Expander is an innovative program for all Amiga users. With this software solution you may double the capacity of your floppy disk or hard disk drives. The installation process takes only a few seconds and afterwards DiskExpander works invisible in the background. The compression ratios vary from 30% to 70% depending upon the used compression-algorithms and upon the kind of data.

The easy-to-use graphical user interface guarantees that even the inexperienced user is able to use Disk Expander immediately without any problems. DiskExpander does not only expand the capacity of your hard disk drive, even floppy disks now have a storage space of approximately 1.5 megabytes.

The concept of DiskExpander was designed under the aspect of maximum data security and high compression speed. The user decides to which extent the data is condensed by choosing high or medium compression libraries and thus has direct influence on the processing speed.

- Can add 50% to your hard drive capacity at a stroke
- Fast compression and decompression
- Flexible and expandable as new compression libraries are developed
- Works with all drives, including SCSI, IDE, Floppies, and even the RAM disk
- Reliable in tests - no data corruption
- Once installed the program is transparent ro the user
- Works on any Amiga and any KickStart

Disk Expander **£35**

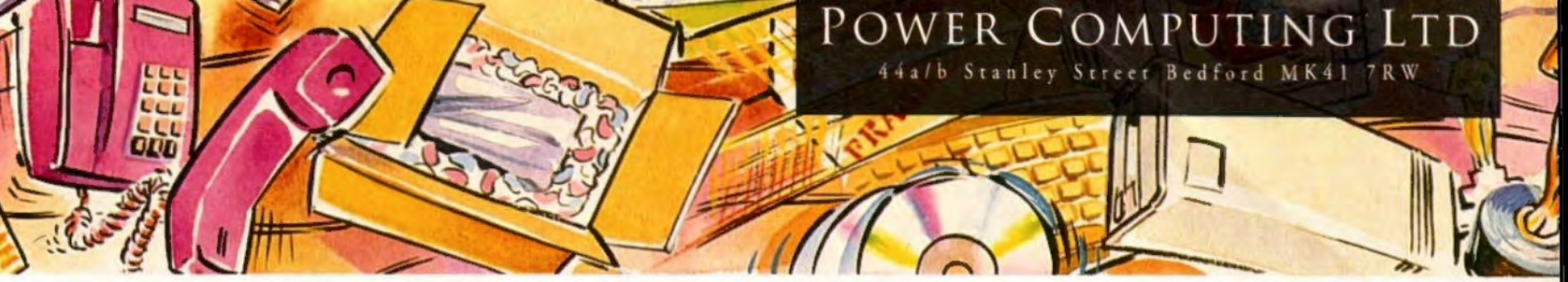
Tandem CD-DE Card

The Tandem CD-DE includes these features

- For 1500/2000/3000/4000
- Supports Mitsuma LU005 CD-ROM & FX001D double speed CD-ROM drives
- Supports Syquest 3.5" drives
- Supports IDE hard drives
- Play audio CD utility
- Requires KickStart 2.04 and above
- Includes cables, software and manual

Tandem CD-DE card **£69**
Tandem CD-DE & Double Speed CD . **£229**

Goods are sold subject to our standard terms and conditions of sale and are available on request. Specifications and prices are subject to change without notice, and all trademarks are acknowledged. All Power Computing Ltd products come with a back to base 12 month



POWER COMPUTING LTD

44a/b Stanley Street Bedford MK41 7RW



Emplant Mac Emulator

This Macintosh emulation board boasts to many features to list all of them, for further details please contact Power. Some of the features include full colour support, stereo sound, hard drive support, Mac 800K and Mac/IBM 1.44MB support, Appletalk, SCSI devices, printers, scanners and CD-ROM etc.

Basic **£299.95**
Basic + Appletalk **£349.95**
Basic + SCSI Interface..... **£349.95**
Basic + Appletalk/SCSI Interface **£399.95**

Professional Software

Home Accounts 2..... **£39**
Deluxe Paint 4 ..... **£74**
Morph Plus **£149**
Real 3D Classic..... **£79**
Real 3D v2 ..... **£380**
SBase Personal 4..... **£119**
SBase Professional 4..... **£225**
Art Expressions **£149**
ProDraw v3..... **£69**
Art Department Pro v2.3..... **£149**
Art Dept. Pro conversion..... **£59**
Vista Pro v3..... **£49**
Makepath (Vista)..... **£25**
Terraform (Vista) **£25**
Amos Pro **£35**
Amos Pro Compiler..... **£25**
Lattice C v6+ **£279**
Bars & Pipes Pro v2..... **£265**
Superjam v1.1..... **£95**
Brilliance..... **£152**
Directory Opus..... **£49**
Scala 500..... **£79**
Scala Professional..... **£185**
Video Director..... **£119**
Final Copy II..... **£80**
TurboPrint Pro **£39**

Auto ROM Sharer

ROM Share **£19.95**
ROM Share including v2.04 ..... **£50**
ROM Share including v1.3..... **£39**
ROM Share A600 ..... **£29**
ROM Share A600 v1.3 ..... **£55**



Calcom v.32 bis

- External Fax & Data modem
- Supports up to 57,600 bps
- Full Haynes AT command set supported
- Supports class 1, 2 and 3 fax commands
- Call back security
- Optional power on auto-dial
- Supports error correction + detection
- Leased line support
- Supplied with Amiga and PC software for Windows
- All cables & Power supply included

Calcom v.32 bis **£169**
Calcom v.32 bis inc. TrapFax..... **£199**



Fargo Primera Printer

Now you can produce stunning, high quality output on paper, transparency film or even T-Shirt transfer from your Amiga. The Primera colour printer, recent recipient of countless awards in the IBM-PC and Macintosh markets is also the perfect companion to any Amiga. Primera uses wax thermal transfer technology, a technology usually associated with much higher priced printers. Some of the features include, software drivers for Amiga, PC and Macintosh, optional photo-realistic upgrade kit (dye sublimation) and monochrome ribbon cartridges available for text printing only.

Primera printer..... **£649**
Photo realistic upgrade kit..... **£199**
Photo realistic refill kit (100 prints)... **£250**
Photo realistic refill kit (25 prints) **£79.95**
4 colour ribbon (80 prints)..... **£38.95**
3 colour ribbon (115 prints) **£38.95**
Monochrome ribbon (400 prints).. **£31.95**
Primera paper (A4 200 sheets)..... **£18**
T-Shirt transfer paper (A4 10 sheets).. **£17.95**
Primera & Studio DS software **£699**
(Studio software is a true 24-bit printer driver)



Amiga 1200

A1200 Power Pack including PC1202-8 2MB including 68882 20MHz FPU and two free games

A1200 Race 'N' Chase pack (only).. **£289**
A1200 80MB HD..... **£629**
A1200 120MB HD **£679**
A1200 170MB HD **£749**

A1200 Power Pack same as above but including 4MB PC1202-8 with 68882 20MHz FPU.

A1200 80MB HD..... **£729**
A1200 120MB HD **£789**
A1200 170MB HD **£849**

For Desktop Dynamite pack add £40

Amiga 4000

A4000 040 330MB HD 4MB..... **£2229**
A4000 030 330MB HD 4MB..... **£1399**
A4000 33MHz FPU..... **£69**
A4000 40MHz FPU..... **£89**
SCSI-2 Card A4000/A2000 (bare).. **£129**
1MB for SCSI-2 (Max 8MB, each) **£40**
XL Drive internal **£75**
512K x 32 2MB..... **£80**
1 x 32 2MB..... **£159**
2 x 32 8MB..... **£319**

Both A4000 systems come with 2MB chip RAM



Power Computing Ltd are proud to announce that products shown with this distinctive emblem have been tested and approved by Commodore ensuring the quality and complete compatibility with Commodore computers.

Colour Monitors

Commodore 1942..... **£399.95**
Commodore 1940..... **£299.95**
Multi-sync monitors are available £POA

Miscellaneous

PowerMouse..... **£15**
Optical Mouse..... **£29.95**
Replacement Optical Mat..... **£10**
100 Branded Disks + Box..... **£49.95**
10 Branded Disks **£4.99**
A1200 Dustcover **£5**
Intruder 1 Joystick..... **£0**
Maverick 1 Joystick..... **£15.99**
Python 1 Joystick..... **£9.99**
Apache 1 Joystick..... **£7.99**

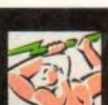
X-Backup Pro

X-Backup Pro (Hardware designed by us) **£29.95**

Order Form

Name .....
Address .....
.....
Telephone No. .....
System Owned .....
Description .....
.....
.....
I enclose a cheque/PO for £ .....
Credit Card No. .....
Expiry Date .....
Signature .....

Delivery next day £5.00 2-3 days £2.50 Saturday £10.00 deliveries are subject to stock availability.
Please make cheques payable to Power Computing Ltd



TEL 0234 273000
FAX 0234 352207

guarantee. Prices are valid for the month of publication only. E & OE. All prices include VAT. Power Computing Ltd 1994

THIS MONTH IN...

AMIGA FORMAT

Contents

ISSUE 59 MAY 1994

TOP NEWS STORIES



UK Amiga users: stand by for the A1200 CD-ROM drive.

Commodore losses spark takeover speculation 18
What those figures mean and how they will affect Amiga users.

CeBIT 94 Show 22
Reports on all that was showing direct from Germany .

CD1200: News exclusive 24
An in-depth look at Commodore's eagerly-awaited unit.

Seriously Amiga

Privacy in peril 28
Ensuring that your E-mails stay safe – a guide to secrecy.

Installing software 102
Avoid the pitfalls of getting software on your hard disk.

M-tec T1230/28 accelerator card 108
Give your A1200 the power of a big box Amiga.

Tandem IDE CD-ROM controller 113
A real alternative to the long awaited SCSI CD-ROM drive?

Distant Suns 117
The power to explore and understand the universe in a package.

CD32 Connection Kit 122
Get your Amiga and your CD32 talking to each other.

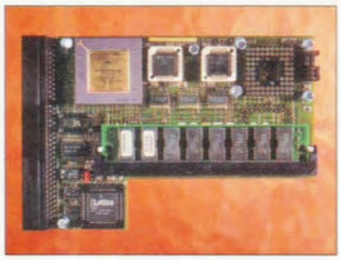
Power Scanner v4 125
The best mono hand scanner for the Amiga?

Vertex 2 126
Make 3D models and convert them.

Microvitec 1438 monitor 128
A serious competitor to Commodore's units put to the test.

Multiframe 130
A better way to automate image processing?

Heart track 133
A fitness program to keep you on your toes.



M-Tec – is this the best value accelerator for the A1200 ever? p 116



Twinkle twinkle, little star, wonder no more as *Distant Suns* fills the gaps. p 116

Tutorials

Workbench and Shell 162
Printing problems solved: a guide to getting on to paper.

Music X 166
Compose yourself. Get ready for your first drum track.

Imagine 170
The tricky subject of textures tackled.

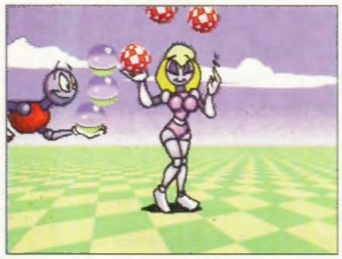
Provector 175
The ins and outs of this powerful structured drawing package.



Convert and modify your 3D objects with the amazing *Vertex*. p 106

Regulars

The Jeff Walker Column 101
Public Domain 137
Back Issues/Subscriptions 148
Mail Order 152
Workbench 157
The AF Comms column 179
Letters 183
Next month 193



PD offerings come up with some more surprises this month, starting on... P137

Screenplay 49



Utopia sequel *K240* touches down at last page 60

Next Big Thing? 51
Coming Attractions 52
Blue Byte feature 56
K240 60
Rugby League Coach 62
Syndicate Missions Disk Offer 64
Arcade Pool 65
Mr Nutz 68



Is *Pool* a work of genius or a load of balls? page 65

AMIGA FORMAT Better by design!

You have just made a great choice! The choice to buy and read *Amiga Format*, the World's foremost magazine for Amiga users. Unlike other Amiga mags, *Amiga Format* isn't written by mere journalists. It's put together by Amiga addicts. Amiga users, Amiga gamers, total Amiga freaks.

Unlike other Amiga magazines, we're the one Commodore choose to include a special edition of with every A1200 sold. And unlike other Amiga mags, we're the one that the computer industry trust when deciding what to keep stock of in their shops.

We're sure you'll agree that we're not like other Amiga mags. Read and enjoy.

Future PUBLISHING



Explore the mysterious world of *Darkmere* page 70

Darkmere	70
Total Carnage	72
Innocent Until Caught	74
Apocalypse	78
Wrecked	79
3D Block Out	79
The Chaos Engine CD^{32}	85
Global Effect CD^{32}	85
Amiga CD^{32} Sports Football	85
Alien Breed/Qwak CD^{32}	86
Brutal Football CD^{32}	86
Fury of the Furries CD^{32}	86
Lotus Trilogy CD^{32}	87
Project-X/F17 Challenge CD^{32}	87
Re-releases:	90

Team 17 Collection Volume 1 ● Wing Commander ● A-Train ● John Madden American Football ● Lethal Weapon ● Wizkid ● Zool 2 AGA

Gamebusters	93
Helping Hand	98



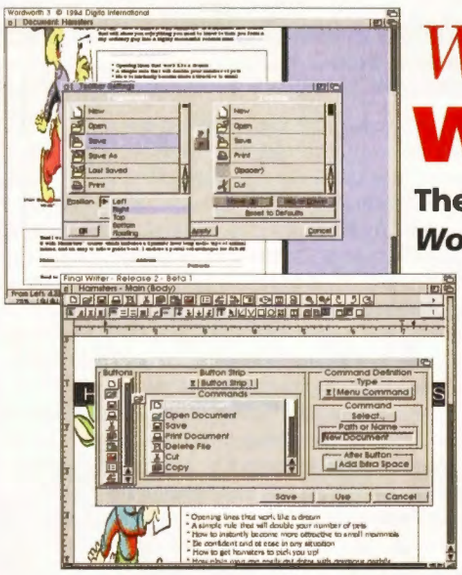
Rugby League Coach puts the boot in on... page 62



Exclusive: A1200 CD-ROM

We all asked for it – no demanded it – and now it's here! Commodore have come up with the goods in the shape of the CD1200. We take an in-depth look at this revolutionary piece of kit which puts the Amiga where it should be – out in front!

Page 24



Working with WORDS

The hot new versions of *Wordworth* and *Final Writer* battle it out for the top-notch title of the world's best word processor. Are you ready to place your bet?

Then turn to... page 39

SAVE
ALMOST £500!
Find out how by turning to page 32

On this month's Coverdisks

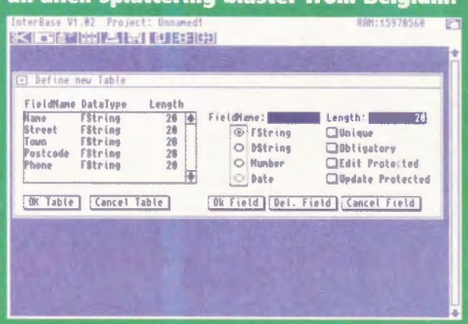


FIVE PAGES OF COVERDISK INSTRUCTIONS BEGIN ON PAGE PAGE 10

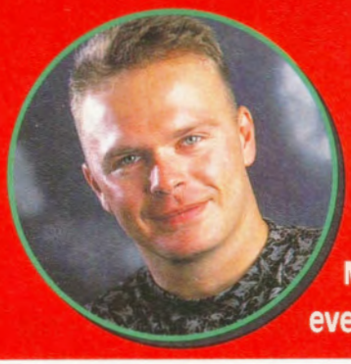
Check out the Coverdisk pages to find out how to use your two brand new utilities. InterBase can be used for all sorts of database applications and Indexer is custom designed to keep track of your issues of Amiga Fomat. But you'll never know how to use them unless you check out the instructions. On the second disk we have an exclusive mission from the Syndicate American Revolt Data Disk. More details on page 14. For more info on our exclusive American Revolt upgrade offer turn to page 64. Also on the disk is Calephar, an alien-splattering blaster from Belgium.



Now it's your chance to rescue the lovely Julie Tolley from certain destruction.



InterBase will take care of all your important data. Turn to page 10 to find out how.



The Month IN VIEW

My last days in the office would have been so simple if *Arcade Pool* hadn't arrived. And everyone thinks I only like it because I'm going to work for the company who publish it.

HALLELUJAH! AFTER MUCH denying of its existence, Commodore showed the world an A1200 CD drive at CeBit in Hanover. The unit (see page 24 for details) was unveiled at Commodore's stand, but surprisingly little fuss was made over it – I'm convinced it's the most important piece of kit Commodore have launched since the A1200. It's likely to cost around £200 and Commodore claim it will be ready to ship in June. But allow for slippage. The A570 CD didn't appear until six months after its planned launch date.

Commodore UK are keeping characteristically stumm about the CD drive, but now it exists, there's no reason whatsoever why UK A1200 owners shouldn't get it. Oh happy day!

Amiga Format has gone on at length about the importance of a CD drive for the A1200, and from the letters we've had from readers, we know you feel the same way too. We can't wait to see it in UK shops, and more importantly, actually get our hands on one here in the *Amiga Format* offices.



CD for the A1200 is announced at last! And my mate just sold his A1200, MBX1200 with 2Mb of fast RAM, 80Mb hard drive, Philips CM8833 mark II and loads of software for £400 to buy a CD^{32}... What a fool!

For the last two months *AF* has been waiting with bated breath for two pieces of software. This month they both arrived, and both caused sensations, though for quite different reasons. *Wordworth 3* arrived on the date that Digita promised, and enjoyed a successful high profile launch at Silica's Oxford Street store. But it soon became apparent that although it was on sale, it wasn't quite as finished as one would have hoped.

Fearing a kicking in the inevitable comparative reviews that *Wordworth 3* would face against Softwood's improved *Final Writer*, Digita were quick to address the user's complaints. The result is that *Wordworth 3a* appeared in no-time flat, and while it may not be perfect, it is the *Wordworth* that most people were hoping for.

The second program is Team 17's *Arcade Pool*. Promised in late February, it finally hit our desks in early April, and was an instant smash. It's difficult for me to be objective about a game when I going to work for the company that produced it, so Steve Bradley had the enviable task of reviewing it.

The lucky blighter spent three whole days in the office playing it, while everyone else looked on impatiently. Even the guys from *Amiga Power* (usually banned from our office in case they spy any of our scoops) ended up watching as Steve battled to improve his Speed Pool times. At less than a tenner this has to be the bargain of the year.

It's strange how Team 17, despite the respect they have in the Amiga community, have never before earned a *Format* gold. Although their games are always technically and graphically excellent, and very playable, they have previously been too derivative to push them over the edge from a very good score to a truly excellent one. *Arcade Pool* is no great revolution in game design, but it is so playable it deserves the honours anyway.

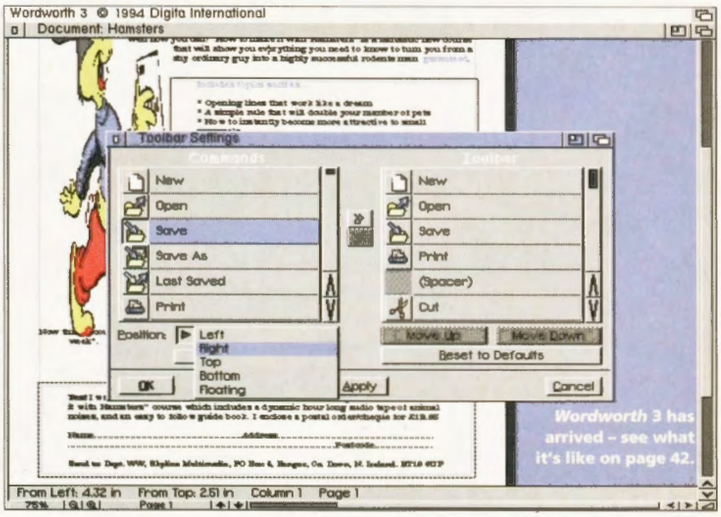
One company who have no trouble scoring *Format* Golds in recent years are Germany's Blue Byte. They have notched up five of our prestigious awards in three years – a feat unmatched by any other software company. But when you call the role of their games: *Battle Isle, Apidya, History Line, Yo! Joe!* and *The Settlers*, it is obvious why they've been so well received. This month, games ed Rob Mead travels to Germany to see how they do it – find out how on page 56.

I always enjoy a good show. The chance to get out and meet the readers is a rare and cherished thing. But the last truly great Amiga show in the UK was the Amiga Format/World of Commodore Show back in 1991. Sure, we've had the Amiga Shopper Show and Amiga Format Live since then, and while they were both good shows, they weren't quite on the scale of WoC.

But since the release of CD^{32} and the A1200, Amiga users have had something to shout about. So this year we're getting together with Commodore to produce another great Amiga show. The aim of the World of Amiga is to bring the whole Amiga community together at a show that will have lots to do and see, as well as plenty to try out and buy. The show is at Wembley on November 18-20, I know I won't miss it!

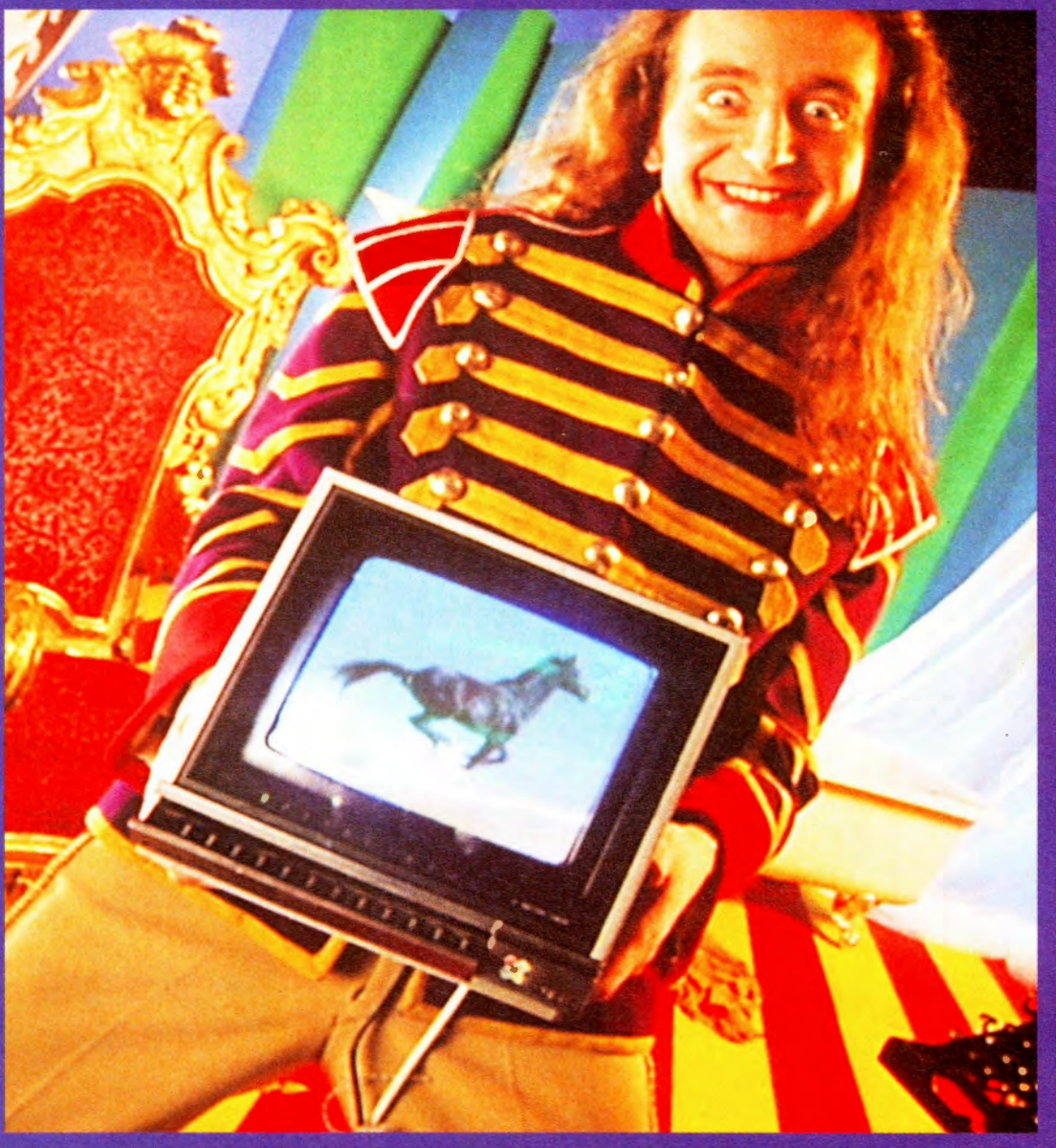


***Arcade Pool*. There haven't been this many arguments in the office about who gets next go since *Pinball Fantasies* arrived.**



***Wordworth* 3 has arrived – see what it's like on page 42.**

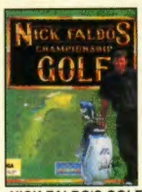
Win this and watch your work go down the tube.

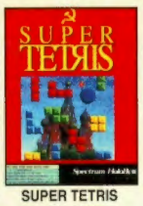


Write a winning script in the Lloyds Bank Film Challenge and you could see your work broadcast on Channel 4.
There will be eight winners from three different age groups, ranging from 10 to 25 years old.
Closing date for entries is 29th July 1994.
For an entry form, phone 0345 224455 (local call charge), write to PO Box 51, St Leonard's-on-Sea, TN38 9TX or visit your local Lloyds Bank branch.

Lloyds Bank
FILM SPONSORSHIP

Lloyds Bank
Film Challenge
4


NICK FALDO'S GOLF
13.99


SUPER TETRIS
12.99


ISHAR 2
11.49


STREETFIGHTER 2
11.49


ELITE 2
19.99


SHADOWORLDS
6.99


LEMMINGS 2
13.99


VIKINGS -FOC
11.49


SPEEDBALL 2
8.99


CHAOS ENGINE
13.99


ARABIAN NIGHTS
9.49


JM US FOOTBALL
11.49


CHAM MGR '93/'94
12.99


COMBAT CLASSICS
13.99


SENSI SOCCER '92/'93
13.99


PREMIER MGR 1
9.99


LOTUS 2
9.49

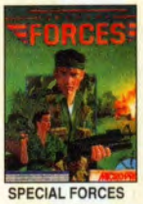

PREMIER MGR 2
13.99


OVERDRIVE
11.99


S OF MONKEY ISL
12.99


EYE OF THE BEHO
12.49


PINBALL FANTASIES
15.99


SPECIAL FORCES
10.99


ELITE
9.49


A-TRAIN
13.99


SPORTS MASTERS
13.99


LS LARRY 2
11.49


BODY BLOWS
12.49


FIRST SAM/MEGA LO MANIA
13.99


DELUXE PAINT 3
14.99


REACH FOR THE SKIES
14.99


PINBALL DREAMS
13.49


WING COM 1
9.99

IMPORTANT - PLEASE NOTE

NOP = will not work on A500 Plus, A600 or A1200.

NO12 = will not work on the A1200.

1 MEG = requires at least 1 meg of RAM to run.

• = NEW Item

AMIGA A1200 VERSION GAMES

AIRBUCKS 1.2 ..... 20.99
ALFRED CHICKEN 17.99
ALIEN BREED 2 ..... 18.99
BODY BLOWS 19.49
BODY BLOWS GALACTIC 18.99
BURNING RUBBER 18.49
CAPTIVE 2 - LIBERATION • 20.99
CHAOS ENGINE 18.49
CIVILISATION 18.99
DENNIS 19.49
GUNSHIP 2000 • 20.49
ISHAR 2 - LEGIONS OF CHAOS 18.99
JAMES POND 3 - OPERATION STARFISH • 19.99
JURASSIC PARK 19.49
KINGS QUEST 6 ..... 22.99
MAN UTD PREMIER LEAGUE CHAMPIONS 18.99
MR NUTZ 19.49
NIGEL MANSELL'S WORLD CHAMP'SHIP 18.49
OUT TO LUNCH • 18.49
RISE OF THE ROBOTS 25.99
ROBOCOD (AEG) 19.49
RYDER CUP 18.49
SABRE TEAM • 18.99
SIM LIFE 22.99
SIMON THE SORCERER 24.49
SOCCER KID 19.49
STAR TREK - 25TH ANNIVERSARY (HARD DRIVE ONLY) 22.49
SUPER STARDUST 16.99
ZOOL 18.49

AMIGA GAMES

688 ATTACK SUB 10.49
A-TRAIN (1 MEG) 13.99
A320 AIR-BUS (1 MEG) 18.99
A320 AIRBUS (USA VERSION) (1 MEG) 22.49
A320 APPROACH TRAINER (1 MEG) 16.99
ADDAMS FAMILY (1 MEG) 9.99
AIR BUCKS 18.49
AIR SUPPORT 11.99
ALFRED CHICKEN (1 MEG) 18.49
ALIEN 3 ..... 18.99
ALIEN BREED (SPECIAL EDITION) (1 MEG) 9.49
ALIEN BREED 2 (1 MEG) 17.49
AMNIOS 4.99
ANOTHER WORLD 11.99
ARABIAN NIGHTS 9.49
ARCADE POOL (1 MEG) 9.99
ARCHER MACLEAN'S POOL 13.49
ARKANOID 2 (NO12) 7.99
ARMOUR GEDDON 2 (1 MEG) 20.49
ASSASSIN REMIX 9.99
B17 FLYING FORTRESS (1 MEG) 22.99
BART Vs THE WORLD 18.99
BATMAN RETURNS 12.49
BATMAN THE MOVIE 7.99
BATTLE ISLE 93 ..... 17.49
BATTLES OF TIME (PERFECT GENERAL, BATTLE ISLE, MEGA LO MANIA, FIRST SAMURAI) (1 MEG) • 21.49
BENEATH THE STEEL SKY (1 MEG) 23.49
BILL'S TOMATO GAME 17.49
BLACK CRYPT (1 MEG) 11.49
BLADE OF DESTINY (1 MEG) 25.49
BLUES BROTHERS 7.49
BLUES BROTHERS JUKEBOX ADV 17.49
BOB'S BAD DAY 17.99
BODY BLOWS (1 MEG) 12.49
BODY BLOWS GALACTIC (1 MEG) 17.49
BREACH 3 (1 MEG) 22.49
BRUTAL FOOTBALL • 13.99
BUBBA 'N' STIX 16.99
BURNING RUBBER 17.99
CAESAR (1 MEG) (NO12) 18.49
CAESER DELUXE 18.49
CAMPAIGN 2 (1 MEG) 22.99
CANNON FODDER (1 MEG) 20.49
CHAMPIONSHIP MANAGER 93
UPDATE DISK (1 MEG) 9.49
CHAMPIONSHIP MANAGER 93/94 (1 MEG) 12.99
CHAMPIONSHIP MANAGER COLLECTION (93/94 + UPDATE DISK) (1 MEG) 19.99
CHAMPIONSHIP MANAGER ITALIA 93/94 (1 MEG) 17.49
CHAOS ENGINE 13.99
CIVILISATION (1 MEG) 23.49
COMBAT AIR PATROL 20.49
COMBAT CLASSICS (F15 STRIKE EAGLE 2, 688 ATTACK SUB, TEAM YANKEE) (1 MEG) (NO12) 13.99
COOL SPOT 20.49
CORPORATION 8.99
CORRUPTION (M/SCROLLS) 7.49
CRUISE FOR A CORPSE 11.99
CRYSTAL KINGDOM DIZZY 9.49
CURSE OF ENCHANTIA (1 MEG) 11.99
CYBERSPACE (1 MEG) 22.99
DARKSEED (1 MEG) 21.49
DENNIS 18.49
DESERT STRIKE (1 MEG) 19.49
DISPOSABLE HERO 16.99
DIZZY PANIC 7.99
DIZZY'S EXCELLENT ADVENTURE 16.49
DOGFIGHT (1 MEG) 22.99
DONK (1 MEG) 18.49
DRACULA (1 MEG) 20.49
DREAMLANDS (TRANSARTICA, STORM MASTER, ISHAR) (1 MEG) 18.99
DREAMWEB (1 MEG) 22.99
DUNE 2 - BATTLE FOR ARRAKIS (1 MEG) 20.49
DUNGEON MASTER & CHAOS STRIKES BACK (1 MEG) 20.49
DYNA BLASTERS (NO12) 20.49
ELITE 9.49
ELITE 2 (FRONTIER) (1 MEG) 19.99
EUROPEAN CHAMPIONS (1 MEG) 17.99
EYE OF THE BEHOLDER (SSI) (1 MEG) 12.49
EYE OF THE BEHOLDER 2 (1 MEG) 24.49
F1 (DOMARK) (1 MEG) 17.99
F117A STEALTH FIGHTER 2.0 (1 MEG) 22.99
F15 STRIKE EAGLE 2 (1 MEG) 12.49
F17 CHALLENGE 10.49
F19 STEALTH FIGHTER (NOP) 6.99
F29 RETALIATOR (1 MEG) 10.49
FABLES & FIENDS - LEGEND OF KYRANDIA (NO12) (1 MEG) 23.99
FACE OFF ICE HOCKEY (NO12) 9.49
FANTASTIC WORLDS (REALMS, PIRATES, MEGA LO MANIA, POPULOUS, WONDERLAND) (1 MEG) (NO12) 23.49
FIRE & ICE 17.99
FIRST DIVISION MANAGER 7.99
FIRST SAMURAI + MEGA LO MANIA (NO12) 13.99
FLAMES OF FREEDOM (MIDWINTER 2) 10.99
FLASHBACK (1 MEG) 20.99
FLY HARDER • 7.99
FORMULA 1 GRAND PRIX 22.99
GENESIA (1 MEG) 20.49
GLOBDULE 20.49
GOAL 14.49
GOBLIINS 2 ..... 18.49
GRAHAM GOOCH DATA DISK 12.49
GRAHAM GOOCH WORLD CLASS CRICKET (1 MEG) 18.49
GRAHAM TAYLOR'S SOCCER MANAGER (1 MEG) 9.49
GUNSHIP 2000 (1 MEG) 22.99
HEROQUEST + DATA DISK (NO12) 9.99
HEROQUEST 2 - THE LEGACY OF SORASIL (1 MEG) 16.99
HIRED GUNS (1 MEG) 22.49
HISTORYLINE 1914-18 (1 MEG) 22.99
HOLLYWOOD COLLECTION (ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES ACTION, BATMAN THE MOVIE) D/S (NOP) 10.99
HOOK 11.49
IK+ 7.99
INDIANA JONES ADVENTURE 11.49
INDIANA JONES FATE OF ATLANTIS ADVENTURE (1 MEG) 24.49
INNOCENT (1 MEG) 24.99
INTERNATIONAL RUGBY CHALLENGE 9.99
ISHAR 2 - LEGIONS OF CHAOS (1 MEG) 11.49
IT CAME FROM THE DESERT PLUS ANT HEADS DATA DISK (1 MEG) 14.99
JACK NICKLAUS GOLF 6.49
JAGUAR XJ220 (1 MEG) 9.49
JAMES POND 8.49
JIMMY WHITES SNOOKER (NO12) 13.49
JINXTER (M/SCROLLS) 4.49
JOHN MADDEN'S (U.S.) FOOTBALL 11.49
JURASSIC PARK (1 MEG) 17.99
K240 (UTOPIA 2) (1 MEG) 18.49
KGB 20.49
KINGS QUEST 1 ..... 11.49
KINGS QUEST 5 (1 MEG) • 12.99
KINGS QUEST 6 (1 MEG) 22.99
KNIGHTS OF THE SKY (1 MEG) 12.99
KRUSTY'S SUPER FUN HOUSE 18.99
LASER SQUAD • 9.49
LEGEND (WORLD OF LEGEND) 9.99
LEGENDS OF VALOUR (1 MEG) (NO12) 23.99
LEISURE SUIT LARRY 1 (1 MEG) 11.49
LEISURE SUIT LARRY 2 (1 MEG) 11.49
LEMMINGS 16.99
LEMMINGS 2 ..... 13.99
LEMMINGS DATA DISK - OH NO! 4.99
LINKS - (GOLF) (HARD DRIVE REQUIRED) (1 MEG) 12.99
LOMBARD RAC RALLY 7.99
LORD OF THE RINGS 22.99
LORDS OF CHAOS • 9.49
LOTUS TURBO CHALLENGE 2 (NO12) 9.49
LOTUS 3 - THE FINAL CHALLENGE (1 MEG) (NO12) 16.99
LURE OF THE TEMPTRESS (1 MEG) 12.49
M1 TANK PLATOON (1 MEG) 11.49
MAELSTROM (1 MEG) • 22.99
MAN UTD PREMIER LEAGUE CHAMPIONS (1 MEG) 19.49
MANCHESTER UNITED 9.49
MANCHESTER UNITED EUROPE 9.49
MANIAC MANSION (NO12) 10.49
MICRO MACHINES 16.99
MICROPROSE 3D GOLF (1 MEG) 22.99
MIG 29 (1 MEG) 10.49
MONOPOLY 18.49
MORTAL KOMBAT (1 MEG) 20.49
NICK FALDO'S GOLF 13.99
NIGEL MANSELL'S WORLD CHAMP'SHIP (1 MEG) 11.99
NIPPON SAFES (1 MEG) 20.49
ON THE BALL (1 MEG) 18.99
OPERATION STEALTH (NO12) 11.49
OPERATION WOLF (NO12) 7.99
OVERDRIVE (1 MEG) 11.99
PARASOL STARS 8.99
PATRICIAN (1 MEG) 20.49
PGA TOUR GOLF 10.99
PINBALL DOUBLE PACK (PINBALL DREAMS & FANTASIES) (1 MEG) 21.49
PINBALL DREAMS (1 MEG) 13.49
PINBALL FANTASIES 15.99
PIRATES (NOP) 10.49
POLICE QUEST 1 • 13.49
POOLS OF DARKNESS 9.99
POPULOUS & PROMISED LANDS (NO12) 10.49
POPULOUS 2 (1 MEG) + CHALLENGE DATA DISK 22.49
POWER UP (CHASE H.Q, TURRICAN, X-OUT, ALTERED BEAST, RAINBOW ISLANDS) 17.49
POWERMONGER + WW1 DATA DISK (NO12) 12.49
PREHISTORIK 2 ..... 17.49
PREMIER MANAGER (1 MEG) 9.99
PREMIER MANAGER 2 (1 MEG) 13.99
PREMIERE (1 MEG) (NO12) 11.99
PRINCE OF PERSIA (1 MEG) 7.99
PROJECT X (SPECIAL EDITION) (1 MEG) 10.49
PUGGSY (1 MEG) 20.49
PUSH-OVER (1 MEG) 9.49
PUTTY 15.49
QUEST & GLORY (BLOODWYCH, MIDWINTER, CADAVER, BAT) (NO12) 13.49
QWAK 9.99
RAILROAD TYCOON (1 MEG) (NOP) 13.49
RAINBOW COLLECTION (BUBBLE BOBBLE, RAINBOW ISLANDS, NEW ZEALAND STORY) (NOP) 10.99
REACH FOR THE SKIES 14.99
RISE OF THE ROBOTS (1 MEG) 25.99
ROAD RASH 17.99
ROBINSONS REQUIEM (1 MEG) 18.99
ROBOCOP 2 ..... 7.99
ROBOCOP 3 (NO12) 10.99
ROCK 'N' ROLL 7.99
RULES OF ENGAGEMENT 2 ..... 21.49
SABRE TEAM 11.99
SCRABBLE (US GOLD) 19.49
SECOND SAMURAI (1 MEG) (NO12) 20.49
SECRET OF MONKEY ISLAND (1 MEG) 12.99
SECRET OF MONKEY ISLAND 2 (1 MEG) 24.49
SENSIBLE SOCCER ('92/'93 SEASON) 13.99
SETTLERS 23.49
SHADOW OF THE BEAST 2 (WITH T-SHIRT) 11.99
SHADOWLANDS 9.49
SHADOWORLDS (NO12) 6.99
SIERRA SOCCER (WORLD CUP EDITION) (1 MEG) • 17.49
SILENT SERVICE 2 (1 MEG) 12.49
SIM CITY DELUXE (SIM CITY, FUTURE CITIES & TERRAIN EDITOR) 19.99
SIM CITY/LEMMINGS (NO12) 19.49
SIMON THE SORCERER (1 MEG) 21.49
SKID MARKS (1 MEG) 18.49
SLEEPWALKER 20.99
SMASH TV 7.99
SOCCER KID 18.99
SPACE HULK 22.99
SPACE QUEST 1 • 13.49
SPECIAL FORCES (1 MEG) 10.99
SPEEDBALL 2 ..... 8.99
SPIRIT OF EXCALIBUR (1 MEG) (NOP) 9.49
SPORTS MASTERS (PGA GOLF, INDY 500, ADVANTAGE TENNIS, EUROPEAN CHAMPIONSHIP'S 1992) (1 MEG) (NO12) 13.99
STARDUST 12.49
STREETFIGHTER 2 ..... 11.49
STUNT CAR RACER (NO12) 7.99
SUPER CARS 2 (NOP) 9.49
SUPER FROG (1 MEG) 16.99
SUPER HANG ON 7.99
SUPER SPACE INVADERS 9.49
SUPER TETRIS 12.99
SURBURBAN COMMANDO 17.99
SWIV (NOP) 8.99
SYNDICATE (1 MEG) 22.49
T2 (COIN OP) (1 MEG) 20.49
TEAM 17 COLLECTION (BODY BLOWS, SUPER FROG, OVERDRIVE) • 26.99
TETRIS - 7 COLOURS • 16.99
THE BLUE & THE GREY (1 MEG) 21.49
THE GREATEST (JIMMY WHITES, LURE OF THE TEMPTRESS, DUNE) (1 MEG) • 13.99
THEATRE OF DEATH 20.49
THUNDERHAWK 9.49
TITUS THE FOX 9.49
TORNADO (1 MEG) 24.99
TROJAN - ALIEX (LIGHT PHAZER GAME) 7.49
TROJAN - FIRESTAR (LIGHT PHAZER GAME) 7.49
TURRICAN 2 ..... 7.99
TURRICAN 3 (1 MEG) 17.99
UFO - ENEMY UNKNOWN (1 MEG) • 23.49
ULTIMA 5 (NO12) 7.99
UNIVERSE (1 MEG) • 22.49
URIDIUM 2 (1 MEG) 17.99
VIKINGS - FIELD OF CONQUEST (1 MEG) 11.49
VROOM (NO12) 13.49
WALKER 18.49
WAR IN THE GULF 19.99
WARZONE 8.99
WHEELS OF FIRE (HARD DRIVIN', POWERDRIFT, CHASE H.Q, TURBO OUTRUN) (NO12) 14.99
WHEN TWO WORLDS WAR (1 MEG) 21.49
WING COMMANDER 1 (1 MEG) 9.99
WINTER GOLD • 12.49
WINTER OLYMPICS 21.49
WIZ 'N' LIZ 20.49
WIZ-KID 10.99
WONDERDOG 16.99
WWF WRESTLING (NO12) 8.99
WWF WRESTLING 2 (1 MEG) 8.99
XENON 2 MEGABLAST 8.49
XMAS LEMMINGS 12.99
YO JOE! 18.49
ZAK MCKRACKEN (NO12) 10.49
ZOOL (1 MEG) 12.49
ZOOL 2 (1 MEG) 16.99

AMIGA EDUCATIONAL

10 OUT OF 10 - DINOSAURS (1 MEG) 18.99
10 OUT OF 10 - EARLY ESSENTIALS (1 MEG, AGES 3-7,) 18.99
10 OUT OF 10 - ENGLISH (1 MEG, AGES 6-16) 18.99
10 OUT OF 10 - FRENCH (1 MEG, AGES 8-16) 18.99
10 OUT OF 10 - JUNIOR ESSENTIALS (1 MEG, AGES 5-11) 18.99
10 OUT OF 10 - MATHS ALGEBRA (1 MEG, AGES 6-16) 18.99
10 OUT OF 10 - MATHS NUMEGERS (1 MEG, AGES 6-16) 18.99
ADI ENGLISH (11-12 YRS) 17.99
ADI FRENCH (12-13 YRS) 17.99
ADI FRENCH (13-14 YRS) 17.99
ADI GCSE ENGLISH PACK (14-16 YEARS). 1 MEG, DOUBLE AGE GROUP PACK. 22.99
ADI GCSE FRENCH PACK (14-16 YEARS). 1 MEG, DOUBLE AGE GROUP PACK. 22.99
ADI GCSE MATHS PACK (14-16 YEARS). 1 MEG, DOUBLE AGE GROUP PACK. 22.99
ADI JUNIOR COUNTING (6-7 YRS) 14.99
ADI JUNIOR READING (4-5 YRS) 14.99
ADI JUNIOR READING (6-7 YRS) 14.99
ADI MATHS (11-12 YRS) 17.99
ADI MATHS (12-13 YRS) 17.99
ADI MATHS (13-14 YRS) 17.99
AMOS EASY (1 MEG, FIRST STEPS TO PROGRAMMING) 22.99
FUN SCHOOL 3 (2-5 YRS) 14.99
FUN SCHOOL 3 (5-7 YRS) 14.99
FUN SCHOOL 3 (7+ YRS) 14.99
FUN SCHOOL 4 (2-5 YRS) 16.99
FUN SCHOOL 4 (5-7 YRS) 16.99
FUN SCHOOL 4 (7+ YRS) 16.99
FUN SCHOOL SPECIAL - MERLIN'S MATHS (7-11 YRS) 17.99
FUN SCHOOL SPECIAL - PAINT 'N CREATE EDUCATIONAL ART (5+ YRS) 17.99
FUN SCHOOL SPECIAL - SPELLING FAIR (7-13 YRS) 17.99
MEGA MATHS (A' LEVEL COURSE) 18.99
MICRO ENGLISH (8 YRS TO GCSE.) 18.99
MICRO FRENCH (BEGINNER TO GCSE.) NOW FEATURES REAL SPEECH 18.99
MICRO GERMAN (BEGINNER TO GCSE AND BUSINESS LEVEL). NOW FEATURES REAL SPEECH 18.99
MICRO MATHS (11 YRS TO GCSE.) 18.99
MICRO SCIENCE (8 YRS TO GCSE) (1 MEG) 18.99
MICRO SPANISH (1 MEG). 18.99
NODDY'S PLAYTIME (EDUCATIONAL PROGRAM FOR CHILDREN AGED 3+) (1 MEG) 18.99
NODDY'S BIG ADVENTURE (FOLLOW UP TO NODDY'S PLAYTIME) 18.99

LOTS MORE TITLES AVAILABLE PLEASE CALL FOR A CATALOGUE 0279 600204

AMIGA APPLICATIONS

AMIGA A1200 VERSIONS

BRILLIANCE AGA (2 MEG MINIMUM, 2 DISK DRIVES OR HARD DRIVE REQUIRED, PROFESSIONAL PAINT AND ANIMATION PACKAGE FOR OUTSTANDING RESULTS. FEATURES ALL AMIGA SCREEN MODES INCLUDING AGA) 114.99
DELUXE PAINT 4 (AGA FOR AMIGA 1200 WORKS IN 256 COLOUR AND NEW 8-BIT HAM MODE, 2 DISK DRIVES RECOMMENDED) 59.99
VISTA PRO (LITE VERSION). REQUIRES HARD DRIVE. CREATE SPECTACULAR VIRTUAL WORLDS WITH THIS POWERFUL SCENERY CREATOR AND ANIMATOR. SPECIAL LITE VERSION TO RUN ON A1200 OR ABOVE 44.99

ALL AMIGAS

ALL AMIGASAMOS (GAMES CREATOR) 29.99
AMOS CRAFT. ADD ON EXTENSION TO AMOS GIVING OVER 160 NEW COMMANDS AND INSTRUCTIONS TO GIVE AMOS OR AMOS PROFESSIONAL GREATER FLEXIBILITY AND POWER. REQUIRES AMOS OR AMOS PROFESSIONAL 19.99
AMOS EASY (1 MEG) 22.99
AMOS PROFESSIONAL (1 MEG, PROFESSIONAL VERSION OF WORLDS BEST SELLING GAMES CREATOR) MORE COMMANDS, MORE FLEXIBILITY AND BETTER USER INTERFACE 31.99
AMOS PROFESSIONAL COMPILER (COMPILES AND SPEEDS UP PROGRAMS WRITTEN IN AMOS, EASY AMOS OR AMOS PROFESSIONAL) 24.99
BLITZ BASIC 2. A BRAND NEW FAST AND EASY TO USE VERSION OF BASIC. COMPLETE WITH MANUAL AND COMPILER SYSTEM. THE HOTTEST NEW PROGRAMMING LANGUAGE AVAILABLE. THE TOP SELLING SKID MARKS GAME WAS CREATED WITH BLITZ BASIC 2 ..... 56.99
DELUXE PAINT 3. A VERY POWERFUL ART AND ANIMATION PACKAGE WITH EXTENSIVE FEATURES. A BEST SELLER AND A TOP AWARD WINNER. MANY FONT AND PRINTING OPTIONS AND SAMPLE ANIMATION AND ART INCLUDED. 14.99
DELUXE PAINT 4 (1 MEG) (HAM MODE & ANIMATION) 59.99
FUN SCHOOL SPECIAL - PAINT 'N CREATE EDUCATIONAL ART (5+ YRS) 17.99
HANNA BARBERA ANIMATION WORKSHOP. 1 MEG, EXCELLENT ANIMATION PACKAGE CAPABLE OF CREATING CARTOONS AND QUALITY ANIMATIONS 27.99
HOME ACCOUNTS 9.99
HOME ACCOUNTS 2 ..... 35.99
KIND WORDS 3 WORD PROCESSOR (SUPERB FULLY FEATURED PACKAGE FOR LOW PRICE. 2 DISK DRIVES RECOMMENDED) 19.99
MINI OFFICE (1 MEG, WORD PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES) 35.99
MONEY MATTERS (HOME ACCOUNTS 3). LATEST VERSION OF THE EXCELLENT MONEY PACKAGE FROM DIGITA 35.99
PC TASK (1 MEG). GOOD VALUE SIMPLE PC EMULATOR ALLOWING IBM PC APPLICATIONS TO BE USED ON YOUR AMIGA. PLEASE NOTE THAT THIS IS NOT SUITABLE FOR WINDOWS OR HIGH END APPLICATIONS. REQUIRES MS DOS 3.3 OR ABOVE. SUPPORTS HARD DISK DRIVE. 35.99
PEN PAL WORD PROCESSOR 37.99
PUBLISHER (PAGE LAYOUT PACKAGE). CAN PRODUCE BLACK AND WHITE NEWSLETTERS, FLYERS, ANNUAL REPORTS AND MAGAZINES. REQUIRES ONE EXTERNAL DISK DRIVE OR HARD DRIVE (1 MEG) (NO12) 19.99
WORDWORTH V.2 WORD PROCESSOR (REQUIRES 1 MEG RAM, AGA COMPATIBLE, 2 DISK DRIVES RECOMMENDED) NEW LOWER PRICE 39.99
WORDWORTH V.3 WORD PROCESSOR (REQUIRES 2 MEG RAM, AGA COMPATIBLE, 2 DISK DRIVES OR HARD DRIVE REQUIRED. THE LATEST AND BEST VERSION OF TOP QUALITY WORD PROCESSOR/ PUBLISHER SYSTEM. RRP 149.99. LAUNCH OFFER WHILE STOCKS LAST 69.99

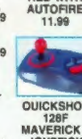
AMIGA CD32 SOFTWARE

ALFRED CHICKEN 17.99
ALIEN BREED 2 (CD32) • 19.99
ALIEN BREED S/E + QWAK 17.99
ARABIAN NIGHTS (AGA) 12.99
BATTLECHESS • 19.99
BRUTAL FOOTBALL • 19.99
BUBBA 'N' STIX • 17.99
BUBBLE AND SQUEAK • 19.99
CAPTIVE 2 - LIBERATION 14.99
CASTLES 2 ..... 19.99
CEASAR/COHORT 2 • 19.99
CHAOS ENGINE 17.99
CHUCK ROCK • 10.99
D/GENERATION 17.99
DENNIS 19.99
DIZZY COLLECTION (DIZZY PRINCE OF YOLKFOLK, TREASURE ISLAND DIZZY, BUBBLE DIZZY, PANIC DIZZY, SPELLBOUND DIZZY, QUICKSNAX, FAST FOOD DIZZY, MAGICLAND DIZZY, FANTASY WORLD DIZZY, CRYSTAL KINGDOM DIZZY) • 16.99
DONK 19.99
ELITE 2 ..... 19.99
FIRE AND ICE • 17.99
FIRE FORCE • 19.99
FLY HARDER • 19.99
FURY OF THE FURRIES • 19.99
GLOBAL EFFECT • 19.99
GUNSHIP 2000 • 19.99
HEREWITH THE CLUES • 19.99
HUMANS 1 & 2 • 19.99
JAMES POND 3 - OPERATION STARFISH • 19.99
JOHN BARNES 12.99
JURASSIC PARK 24.99
K240 (NAGA) 17.99
LABYRINTH OF TIME 17.99
LIONHEART 13.99
LITIL DIVIL 17.99
LOTUS TRILOGY (LOTUS 1, 2, 3) 17.99
MEAN ARENA • 19.99
MICROCOSM 32.99
MORPH • 11.99
NIGEL MANSELL'S WORLD CHAMP'SHIP 17.99
NO SECOND PRIZE 13.99
OVERKILL & LUNER-C 19.99
PINBALL FANTASIES 19.99
PINKIE • 19.99
PIRATES GOLD 19.99
PREMIERE • 11.99
PROJECT X S/E + F17 CHALLENGE 17.99
ROBOCOD (JAMES POND 2) 13.99
RYDER CUP 21.99
SEEK & DESTROY 17.99
SENSIBLE SOCCER 17.99
SKELETON KREW • 19.99
SLEEPWALKER 21.99
SUPER STARDUST • 17.99
TFX (DUE JUNE '94) 27.99
TRIVIAL PURSUIT • 19.99
TURNING POINTS • 22.99
ULTIMATE BODY BLOWS (BODY BLOWS & BODY BLOWS GALACTIC) 19.99
URIDIUM 2 ..... 17.99
WEMBLEY INTERNATIONAL SOCCER • 19.99
ZOOL 17.99
ZOOL 2 ..... 17.99


COMPETITION PRO EXTRA JOYSTICK CLEAR BASE. MICROSWITCHED WITH AUTOFIRE
11.99


BOLLISTICK HAND HELD JOYSTICK MICRO-SWITCHED AUTOFIRE
10.99

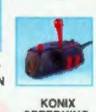

QUICKJOY QJ1 JOYSTICK MICRO-SWITCHED
7.99

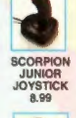

QUICKSHOT 128F MAVERICK 1 JOYSTICK AUTOFIRE
11.99


GRAVIS JOYSTICK FOAM PADDED GRIP, ADJUSTABLE HANDLE TENSION AND PROGRAMMABLE FIRE BUTTONS
20.99


QUICKJOY TOP STAR JOYSTICK MICRO-SWITCHED AUTOFIRE
17.49


QUICKSHOT 137F PYTHON JOYSTICK AUTOFIRE
9.99


KONIX SPEEDKING ANALOGUE JOYSTICK ENABLES PROPORTIONAL CONTROL ON SUITABLE SOFTWARE, AUTOFIRE
9.99


SCORPION JUNIOR JOYSTICK
8.99


FREEWHEEL STEERING (DIGITAL)
25.99


SCORPION PLUS JOYSTICK ARCADE STYLE WITH TURBO FIRE.
9.99

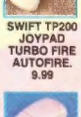

SUPER PRO ZIP STICK MICRO - SWITCHED AUTOFIRE
11.99


LOGIC 3 PINTO MINI JOYSTICK MICRO-SWITCHED
10.99


SLIKSTIK JOYSTICK
5.99


CHEETAH BUG JOYSTICK MICRO-SWITCHED AUTOFIRE
13.99


LOGIC 3 QUATRO JOYSTICK MICRO-SWITCHED
10.99

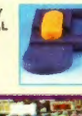

SWIFT TP200 JOYPAD TURBO FIRE AUTOFIRE.
9.99


QUICKJOY JET FIGHTER JOYSTICK MICRO-SWITCHED AUTOFIRE
11.99


MINI COMPETITION PRO 5000 JOYSTICK MICRO-SWITCHED
11.99


ALFA MEGAMOUSE 2 260 DPI, HIGH QUALITY
11.99


QUICKJOY FOOTPEDAL
18.99


CD32 11 BUTTON JOYPAD
16.99


LOGIC 3 SPEEDMOUSE
12.99

CHELSMFORD CLUB SHOP
43 BROOMFIELD ROAD, CHELMSFORD, ESSEX
OPEN 10 TIL 8 7 DAYS



COMMODORE AMIGA A1200 DESKTOP DYNAMITE PACK PLUS FOUR FREE GAMES



AMIGA A1200 2/0 DYNAMITE+ 4 PACK
WITH WORDWORTH 2.0 AGA WORD PROCESSOR, DELUXE PAINT IV AGA, PRINT MANAGER, OSCAR AND DENNIS. COMPUTER WITH 2 MB RAM, 32 BIT 68020 14 MHz ETC. 1 YEAR IN-HOME SERVICE.
FREE ELITE 2, BATMAN, LEMMINGS 2 & CIVILISATION AGA SOFTWARE 325.99

A1200 DESKTOP DYNAMITE PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVES

A1200 COMPUTER + 80 MB INTERNAL 2.5" HARD DRIVE.	...499.99
A1200 COMPUTER + 127 MB INTERNAL 2.5" HARD DRIVE.	549.99
A1200 COMPUTER + 200 MB INTERNAL 2.5" HARD DRIVE.	599.99
A1200 COMPUTER + 340 MB INTERNAL 2.5" HARD DRIVE.	...749.99

ALL WITH FREE ELITE 2, BATMAN, LEMMINGS 2 & CIVILISATION AGA GAMES

COMMODORE AMIGA A1200 LEMMINGS PACK



AMIGA A1200 2/0 LEMMINGS PACK
COMPUTER WITH 2 MB RAM, 32 BIT 68020 14 MHz PROCESSOR, MOUSE, BUILT-IN TV MODULATOR AND 1 YEAR IN-HOME SERVICE WARRANTY.
WITH LEMMINGS AND DELUXE PAINT 3. .....275.99

A1200 LEMMINGS PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVES

A1200 COPMUTER + 64 MB INTERNAL 2.5" HARD DRIVE	...415.99
A1200 COMPUTER + 80 MB INTERNAL 2.5" HARD DRIVE	.....439.99
A1200 COMPUTER + 127 MB INTERNAL 2.5" HARD DRIVE	...489.99
A1200 COMPUTER + 200 MB INTERNAL 2.5" HARD DRIVE	...539.99

ALL WITH FREE LEMMINGS AND DELUXE PAINT3 SOFTWARE

COMMODORE AMIGA A600 LEMMINGS PACK



AMIGA A600 LEMMINGS PACK 1/0
WITH BUILT-IN TV MODULATOR, MOUSE, WORKBENCH 2.0, 1 MB RAM EXPANDABLE TO 10 MB, 1 YEAR IN-HOME WARRANTY,WITH LEMMINGS, F1 GRAND PRIX, PUSH OVER, PUTTY AND DELUXE PAINT 3 .....199.99

WHY NOT BUY THIS CHAOS SOFTWARE PACK WHEN YOU BUY YOUR A600?
IT CONTAINS CHAOS ENGINE, NICK FALDO GOLF, PINBALL FANTASIES AND SYNDICATE AND ALL FOR ONLY 19.99

AMIGA CD32 DANGEROUS STREEETS PACK



INCLUDES WING COMMANDER, OSCAR, DIGGERS AND DANGEROUS STREET GAMES.
SAVE £40 OFF RRP 259.99

AMIGA CD32 DANGEROUS STREETS PACK AS ABOVE + ELITE 2 & TRIVIAL PURSUIT CD'S
PLUS ADDITIONAL ELITE 2 & TRIVIAL PUSUIT GAMES. SAVE £80 OFF COMBINED RRP 279.99

NEW AMIGA CD32 SPECTACULAR VOYAGE PACK

AMIGA CD32 DANGEROUS STREETS PACK AS ABOVE
PLUS ADDITIONAL MICROCOSM & CHAOS ENGINE CD'S.....279.99

CHOOSE A SCART TV FOR PIXEL PERFECT PICTURE

MEMORY UPGRADES

512K AMIGA RAM WITH CLOCK FOR A500 AND A500+ 24.99
AS ABOVE WITHOUT CLOCK 19.99
1 MEGABYTE A500 PLUS RAM UPGRADE WITH CLOCK 29.99
1 MEGABYTE A600 RAM UPGRADE WITH CLOCK 39.99
4 MEGABYTE PCMCIA UPGRADE FOR A600 OR A1200. PLUGS DIRECTLY INTO SMART CARD SLOT. THESE ARE NOT BATTERY BACKED AND CAN'T BE USED AS A DISK, ONLY AS RAM. ...169.99

WORK CENTRES

PREMIER CONTROL CENTRE FOR AMIGAS. (STEEL MONITOR STAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVE AND ACCESSORIES. CUSTOM FIT DESIGN)
PREMIER CONTROL CENTRE FOR AMIGA 1200. .....39.99
PREMIER CONTROL CENTRE FOR AMIGA A500 OR A500+. 39.99
PREMIER CONTROL CENTRE FOR AMIGA A600 .....34.99

DISK DRIVES

EXTERNAL 3.5" DISK DRIVE FOR ANY AMIGA WITH SONY/CITIZEN DRIVE MECHANISM. 880K FORMATTED CAPACITY, QUIET, HIGH QUALITY, SLIM LINE DESIGN, COLOUR MATCHED METAL CASE AND LONG REACH CONNECTION CABLE. 82.99

SOUND EQUIPMENT

SCREENBEAT 2 STEREO SPEAKERS 15.99
SCREENBEAT MAINS ADAPTOR FOR SCREENBEAT SPEAKERS 7.99
ZYDEC STEREO SPEAKERS FOR AMIGA WITH BUILT-IN AMPLIFIER AND VOLUME CONTROLS 27.99

DISK BOXES

DISK BOX 3.5" (120) LOCKABLE, DIVIDERS 9.99
DISK BOX 3.5" PLASTIC FLIP TOP (10 CAPACITY) 2.49
MEDIA LIFE FILE DRAWER (100 CAPACITY). STACKABLE DESIGN ...12.99

CD32 ACCESSORIES

COMMODORE FULL MOTION VIDEO-CD MODULE FOR AMIGA CD-32. GIVES CD-32 HIGH QUALITY FULL MOTION VIDEO CAPABILITY FOR MOVIES, MUSIC VIDEOS AND GAMES THAT FEATURE FULL MOTION VIDEO GAMEPLAY. SIMPLY SLOTS INTO BACK OF CD-32. .....169.99
TV LEAD - AMIGA CD-32 TO SVHS TV OR VIDEO 7.99
MONITOR LEAD - AMIGA CD32 TO PHILIPS CM8833 MK2 OR CBM 1084S MONITOR 7.99
SCART LEAD - AMIGA CD32 TO TV WITH SCART INPUT. REQUIRES TV WITH MANUAL SWITCHING SCARTCHANNEL. 9.99

LEADS

ANTI-SURGE 4 WAY MULTIPLUG EXTENSION LEAD FOR ANY ELECTRICAL DEVICE (EG. COMPUTER/CONSOLE/VIDEO). PROTECTS YOUR VALUABLE EQUIPMENT AGAINST DAMAGING ELECTRICAL SURGES. 26.99
MONITOR LEAD - AMIGA TO PHILIPS CM8833 MK2 OR CBM 1084S MONITOR 7.99
SCART LEAD - AMIGA TO PHILIPS TV WITH SCART INPUT 9.99
SCART LEAD - AMIGA TO SONY TV WITH SCART INPUT 9.99
SCART LEAD - AMIGA TO TOSHIBA/HITATCHI TV WITH SCART INPUT.....9.99
SCART LEAD - AMIGA TO TV WITH SCART INPUT 9.99



OVERDRIVE HIGH SPEED HARD DRIVES



FOR AMIGA A1200

- INCREDIBLY FAST
- STYLED TO MATCH AMIGA
- WESTERN DIGITAL DRIVE
- EASY INSTALLATION - PLUGS INTO PCMCIA SLOT
- AVERAGE ACCESS TIME 12MS
- 1 YEAR WARRANTY

" The fastest drive ever reviewed by CU Amiga"
AQ TOOLS AND 1 YEAR WARRANTY.
DOES NOT INVALIDATE WARRANTY

OVERDRIVE 120 MB HARD DRIVE .(DRIVE MECHANISM MAY VARY)	.....255.99
OVERDRIVE 210 MB HIGH SPEED HARD DRIVE FOR A1200.	.....289.99
OVERDRIVE 250 MB HIGH SPEED HARD DRIVE FOR A1200.	.....309.99
OVERDRIVE 340 MB HIGH SPEED HARD DRIVE FOR A1200.	.....369.99
OVERDRIVE 420 MB HIGH SPEED HARD DRIVE FOR A1200.	.....439.99

CONNER HARD DRIVES FOR AMIGA A1200 & A600

CONNER HARD DRIVE: (INTERNAL IDE, MODEL CP2064). HIGH SPEED 2.5" DRIVE. 15 MS ACCESS TIME (APPROX). 32K CACHE AND ONE YEAR WARRANTY. KIT COMPLETE.
NOTE THAT OPENING YOUR AMIGA MAY INVALIDATE THE WARRANTY.

CONNER 64 MB HARD DRIVE FOR AMIGA A1200	.....129.99
CONNER 64 MB HARD DRIVE FOR AMIGA A600	.....129.99

CONSOLE SALE : INCLUDING OVER 40 MEGADRIVE TITLES AT UNDER £20 EACH - PLEASE CALL

FREE PRINTER LEAD WITH ALL PRINTERS

PANASONIC KXP2123 COLOUR PRINTER

WITH FREE WORDWORTH V.2 WORD PROCESSOR FOR AMIGA
24 PIN, 80 COLUMN, 192 CPS/64LQ, 7 FONTS (1 SCALABLE), EXTREMELY QUIET 43.5 DBA NOISE LEVEL, FREE PRINTER LEAD. 1 YEAR WARRANTY. 169.99

CITIZEN SWIFT 90C COLOUR PRINTER

9 PIN, 80 COLUMN, 240CPS/54NLQ, 6NLQ FONTS, 2 YEAR WARRANTY. 154.99

CITIZEN 240C PRINTER + COLOUR KIT

24 PIN, 80 COLUMN, 240CPS/80LQ, 9LQ/1 DRAFT FONT, 2 YEAR WARRANTY. 229.99

EPSON LQ100 PRINTER

24 PIN, 80 COLUMN, 250 CPS/72 LQ, 8 FONTS (2 SCALABLE), QUIET 50DB NOISE LEVEL, EASY TO USE CONTROL PANEL.1 YEAR WARRANTY. 159.99

MEGADRIVE 1 WITH SONIC 2 & 2 JOYPADS 95.99



MEGA CD 2 UNIT FOR MEGADRIVE WITH 8 GAMES 219.99

SUPER NES MARIO ALL STARS PACK WITH ONE JOYPAD. AND *FREE* SCOPE 6 LIGHT GUN AND 6 GAMES



MICROVITEC 1438 MULTI-SYNC MONITOR



FOR AMIGA A1200/A4000 OR PC. COMPLETE WITH STEREO SPEAKERS. 0.28 DOT PITCH RESOLUTION, 15 PIN RGB DIN PLUG. AMIGA ADAPTOR PLUG INCLUDED. SUITS ALL AMIGA AGA AND ALL PC SCREEN MODES TO SVGA. 1 YEAR WARRANTY. 299.99

GOLDSTAR CI14A80 14" COLOUR SCART TV



WITH REMOTE CONTROL AND SCART INPUT, ON SCREEN DISPLAY, AUTO POWER OFF, SLEEP TIMER, ON TIMER, CHILD LOCK. *FREE SCART LEAD* (STATE AMIGA, CD32, MEGADRIVE 1 OR 2, OR SNES).....169.99

SONY KVM1400 14" FST COLOUR SCART TV/MONITOR



WITH REMOTE CONTROL. 60 CHANNEL TUNING, REAR SCART INPUT, HEADPHONE SOCKET, TWO POSITION TILT, BLACK TRINITRON SCREEN, LOOP AERIAL *FREE SCART LEAD* (STATE AMIGA, CD32, ST, MEGADRIVE 1 OR 2, OR SNES).

SONY KVM1400 (GREY)	.....194.99
SONY KVM1400 (WHITE)	.....194.99
SONY KVM1401BL FASTEXT	.....244.99

Special Reserve
The Discount Club

Special Reserve members can have all this.. can YOU?

- READ our 48 page Regular Club Magazine
- CHOOSE from our Huge Selection
- BUY at Best Possible Prices
- SAVE with our Special Deals
- SAVE more with our XS Coupons
- WIN fabulous prizes in our FREE competitions

JOIN now from just £4.00

We only supply members but you can order as you join
There's no obligation to buy and you can be any age. Just send in the form below or phone Sales on **0279 600204.**

As a member of Special Reserve you'll receive regular issues of our 48 page colour club magazine sent bi-monthly only to Special Reserve members. It contains:

1. The best selection of games, peripherals and hardware for all popular formats. We are official Sega, Nintendo and Sony stockists.
2. Reviews in colour and latest information on new products
3. Charts and Release Schedule, to help you choose and plan
4. The best prices. Just one purchase will save you your joining fee
5. Hundreds of Special Offers. Top games at prices you won't believe
6. XS Super Savers. Money-off coupons worth over £180 a year
7. **PRIZE COMPETITIONS.** Loads of goodies to be won in every issue, exclusive to members and free to enter!

That's why over 200,000 people have joined Special Reserve, the biggest games club in the World!

0279 600204

OPEN 10am til 8pm Seven Days a Week!
Order/Confirmation/Receipt sent for every order.
You can also Fax your order to us on: 0279 726842

We pride ourselves on our after-sales service. (18 customer service lines) Inevitably some games listed may not yet be available. Please phone sales on 0279 600204 to check availability before ordering. In the event of delay we issue refunds on request at any time prior to despatch. We reserve the right to change prices and offers without prior notification. E .& O.E.

FREE 16 PAGE COLOUR CATALOGUE TELEPHONE 0279 600204

CLUB SHOPS AT CHELMSFORD & SAWBRIDGEWORTH OPEN 10am til 8pm 7 DAYS. Registered Office: Inter-Mediates Ltd, 2 South Block, The Maltings, Sawbridgeworth, Herts. CM21 9PG. All prices include VAT and carriage to UK mainland. See base of order form for overseas surcharges. We supply hardware only to UK mainland addresses.

MEMBERSHIP FEES	6 MONTHS TRIAL MEMBERSHIP	ONE YEAR ANNUAL MEMBERSHIP	TWO YEARS WITH FREE HARD BINDER
UK MEMBERS	**4.00**	**7.00**	**14.00**
OVERSEAS EC MEMBERS	6.00	9.00	18.00
OVERSEAS WORLD MEMBERS	7.00	11.00	22.00

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN.
THERE ARE NO SURCHARGES ON TELEPHONED ORDERS (UK)
(PLEASE PRINT IN BLOCK CAPITALS) **LASS**

Name_____

Address_____

_____

_____Postcode _____

Phone _____Machine_____

Enter membership number (if applicable) or **NEW MEMBERSHIP FEE (ANNUAL UK 7.00)**

item_____

item_____

item_____

item_____

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa (Switch Issue No_____)

Card expiry date_____Signature_____

Cheques payable to: **SPECIAL RESERVE**
P.O. BOX 847, HARLOW, CM21 9PH

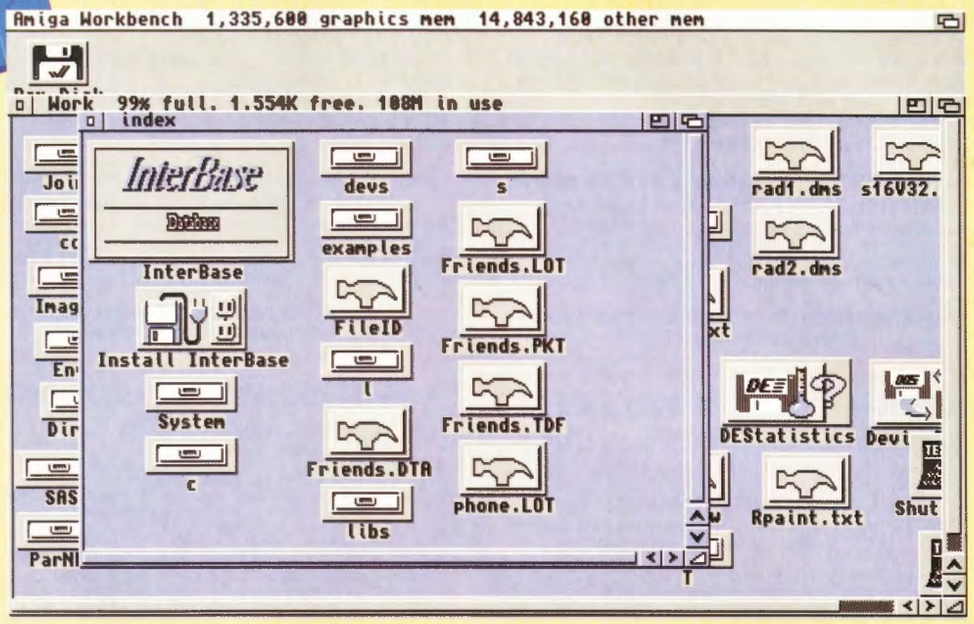
***Overseas Orders Surcharge (EC or World):* Software orders please add £2.00 per item. Non-software items please add 25%. Hardware items supplied to UK mainland only.**
Overseas orders must be paid by credit card.

We only supply official UK products. Official suppliers of all leading brands. We sell games and peripherals all at amazing prices for Megadrive, Master System, Game Gear, Super NES, Gameboy, NES, Lynx, Amiga, Atari ST, PC, CD ROM, CDi and Apple Mac. PRICES CORRECT AT TIME OF GOING TO PRESS. 29.3.94



INTERBASE

The first amazing utility this month is the InterBase database program. Nick Veitch explains how to get it up and running. Turn the page to read all about Indexer which comes with a catalogue of over 50 Amiga Formats.



To start *InterBase*, just double-click on the program's icon. You will find that *InterBase* also stores all of its data files in the same directory, but normally these will not be visible as they have no icons.

BUT FIRST

Before you can use these programs, you must dearchive them. In an effort to make this process even easier for you, we are now using Commodore's *Installer* program. This uses Workbench 2 style buttons and requesters to avoid errors and mishaps.

To install *InterBase* on a floppy drive, first format a new disk and label it "Interbase". Reboot your machine and insert the *AF*59A Coverdisk. Double-click on the disk's icon and a window will appear containing two icons. Double click on the InterBase installer and the installation will begin.

Initially some files will be copied into the RAM disk and then you will be asked where to install the software. If you have a hard drive you may install the software direct, but it is a better idea to install it to floppy first and then use *InterBase*'s own floppy installer. To install to a floppy drive, remove the Coverdisk from the drive, insert your blank floppy and select it from the requester. This program MUST be installed to a drawer, so if your disk is completely blank, you should create a drawer with the button on the bottom left of the window before proceeding. Select Proceed and the Installer software will take care of the rest. The operation may take a couple of minutes, so don't worry.

The procedure is exactly the same for *Indexer*, and if you have two disks ready, you can dearchive both of them without having to reboot your machine.

To completely install *Indexer*, you also need to copy the extend.library to the libs: drawer of you startup disk and the two fonts Pyr and loadn to the Fonts: drawer. You can do this by opening a Shell and, with the *Indexer* disk in df0:, typing:

```
copy df0:libs/#? libs:
copy df0:fonts/#? fonts:
```

before running the *Indexer* program each time, you will have to open a Shell and assign it:

```
Assign Indexer: <diskname>:indexer
```

where <diskname> is the name of the disk containing *Indexer*. If you want to use *Indexer* a lot, or you have installed it on a hard-drive, it is a good idea to add this line to your startup-sequence. If you boot from floppy though, this will mean that you will be asked to insert the *Indexer* disk every time you boot up. The best idea is to get a hard disk...

To install *Interbase* in order to use the supplied examples, you must open a Shell and enter the following:

```
Assign "Interbase 2:" DF0:interbase/examples.
```

***Interbase* will run perfectly from a self-booting disk. If you create a bootable disk (check your manual) and simply copy over all the files to the new disk (called Interbase), like this:**

```
Copy df0:interbase/#? Interbase: ALL
```

INTERBASE IS A database program, designed to store information in a way that makes it easy to find things again. Databases work by storing an amount of information in a number of fields. Each field has a name and a type.

In this way, records of information are built up, a record being a set of connected entries for each field. If, for example, you were creating an address book, the fields would be Name, Street, Town, Postcode and Phone.

SETTING UP A DATABASE

To create our sample database, we will first have to create a Table in *InterBase*. To do this select Define Table from the Table menu. A requester will appear asking for a name. Why not call the new table Friends?

A new screen will appear for you to enter all the field names that you will need. For a complete description of all the tools that appear, see the annotated boxout.

Enter the names for all your fields one at a time, and click on the OK Field button to add them to the list on the left. When you have finished, select the OK Table button to continue (see picture 1, below).

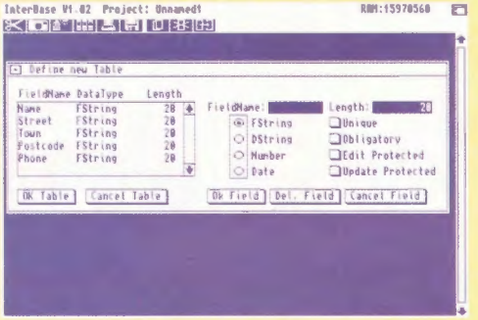
You will now be asked where to save the new table. The default location is the drawer where *InterBase* is installed. You may also specify a password at this stage if you want to protect your files against being read by unauthorised eyes.

LAYOUT

Now we have specified all the fields for our database, we must specify how we want the data to appear on screen, or when we print it out. Select Define Layout from the Layout menu. You will see that a layout called "Friends" already exists. This is a default layout which is just one field under another (see picture 2, below). This would probably be OK for our address book, but let's fiddle with it anyway.

All the text that appears on the screen in square brackets will be substituted for the data in that field when displaying or printing a record. All the other text will appear as it is.

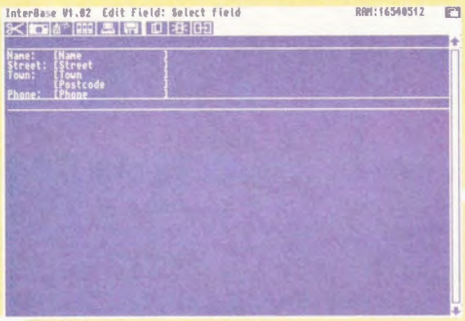
To begin with we may as well get rid of the text saying Postcode as it is fairly obvious what a



1 **Before you *can* enter any data, you must first define the structure it will take.**



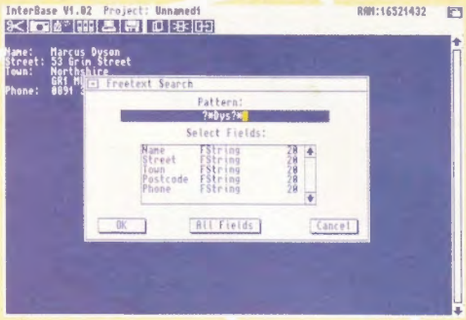
2 **You may wish to modify the default layout as it can be a bit scrappy.**



3 **This layout is much nicer, and will be easier on the eyes when entering data.**



4 **Entering data is easy, just type it in a line at a time, remembering to press Return.**



5 **You can search in any field for any string or any part of a string using standard wildcards.**

postcode is at the end of an address. To do this click on the box with a cross in it in the tool bar, or select Delete Field from the menu, then click on the text and it will disappear.

Now we can line up all the data fields. Select Move Field from the menu, click once on the field and then click again on the position to move it to. Having all the fields lined up will make the display easier to read (see picture 3, above).

Now, if you select Size of Sublayout from the first menu, you will be able to change the vertical size of the layout. A line appears which you should drag down to about 1cm below the last line of text. This will leave a decent amount of space between consecutive records when entering data.

When you have finished, select Quit Layout from the menu. It will automatically be saved.

ENTERING DATA

Hurrah! We can now enter some data. Select New Record from the edit menu and a display will appear on the screen, exactly how we designed it in the layout section. An orange box will appear next to the first field, inviting you to enter some data. After each line, press Return and the box will move to the next data field. You can edit any of the previous field (or record) entries just by clicking on them. Now you can try entering some data and creating a few records of your own (see picture 4 above).

SEARCHING

The best use of a database is for searching through large amounts of data to pull out the record you want. OK, we haven't got very many entries yet, so we can just scroll through the list to see all the entries we want, but imagine that you were really popular and had hundreds of names in your address book. So we should use the search option.

From the Various Menu, select Freetext Search. Say you are a personal friend of Marcus and you are looking for him in your database (for some reason). enter: *?Dyson*? in the Pattern requester – this will match any entry containing "Dyson" (see picture 5, above). You can now select the field that you wish to search in. For this example we are searching in the Name Field, but you could search in any number of fields.

Once you are satisfied, select OK and the search will begin. It shouldn't take too long with our limited number of fields. Only records which match the search string will be selected.

DIFFERENT LAYOUTS

You can have many different layout selections for the same table of records. This can be very useful for different ways of using or presenting the same data. You will probably want to use a different layout for printing out the data, and maybe one which doesn't include all the data. This might be very useful in our example of a list of names and phone numbers. You can create different styles of layouts just by choosing Define Layout from the Layout menu.

PRINTING

To print out the data using the current layout, simply select the print icon from the toolbar (it's the one that looks like a printer). Be sure that you have set up your printer preferences correctly before you confirm printing.

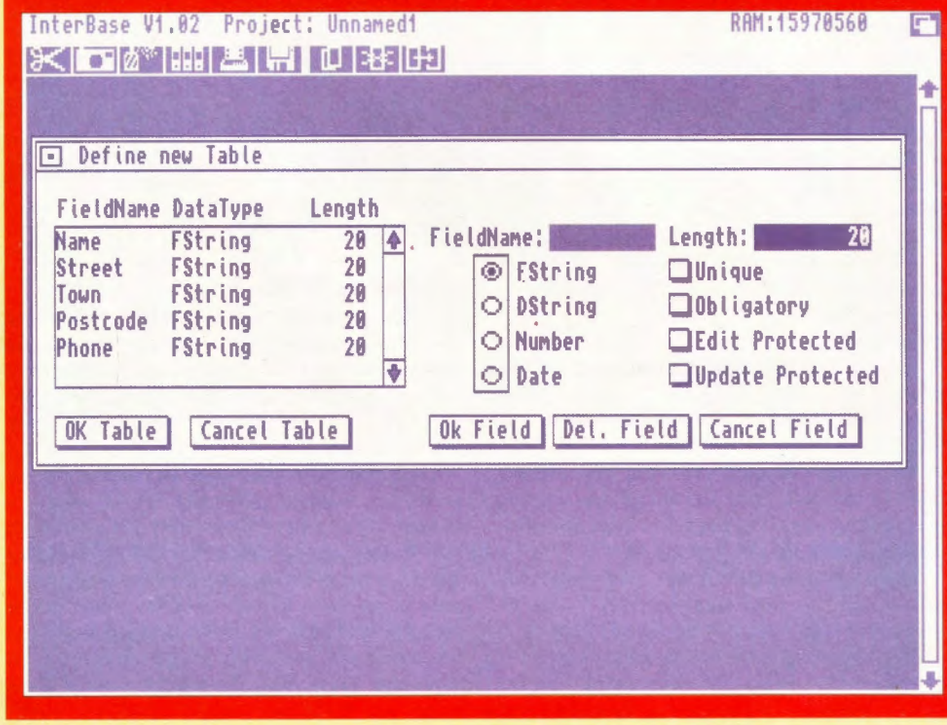
Continued overleaf ☛

INTERBASE OFFERS

If you want to take advantage of special offers involving other *InterOffice* software or getting the full manual for *InterBase*, turn to page 134

INTERBASE FIELD TYPES EXPLAINED

There are many types of different fields available in InterBase, and many error checking routines which can be performed when data is entered to avoid your data becoming riddled with mistakes.



FString **FIXED STRING.** This is an alphanumeric string which can contain any number of letters, numbers and symbols. The maximum length of the string is fixed – every record created will reserve this amount of space for that field. This type of field makes database operations faster, but uses more memory and space.

DString **DYNAMIC STRING.** This is the same as the above, but there is no fixed limit to the length. This makes it more flexible when entering data and more frugal with memory.

Number **NUMERIC.** Numeric data is basically a number. This can range anywhere from -10 E + 308 to 10E + 308 and may be entered in normal or exponential notation.

Date **DATE.** A date anywhere between 1st January 0AD to the same date in the year 57888354 AD is allowed.

Unique **UNIQUE.** Any data entered into this field must be unique – it cannot already exist in this field in another record.

Obligatory **OBLIGATORY.** This field must contain some information. This would be usefully applied to a membership number.

Edit Protected **EDIT PROTECTED.** Once entered, this field cannot be edited by *InterBase*'s edit record function. Be careful when using this.

Update Protected **UPDATE PROTECTED.** The contents of this field will not be updated by *InterBase*'s update function.

GETTING STARTE

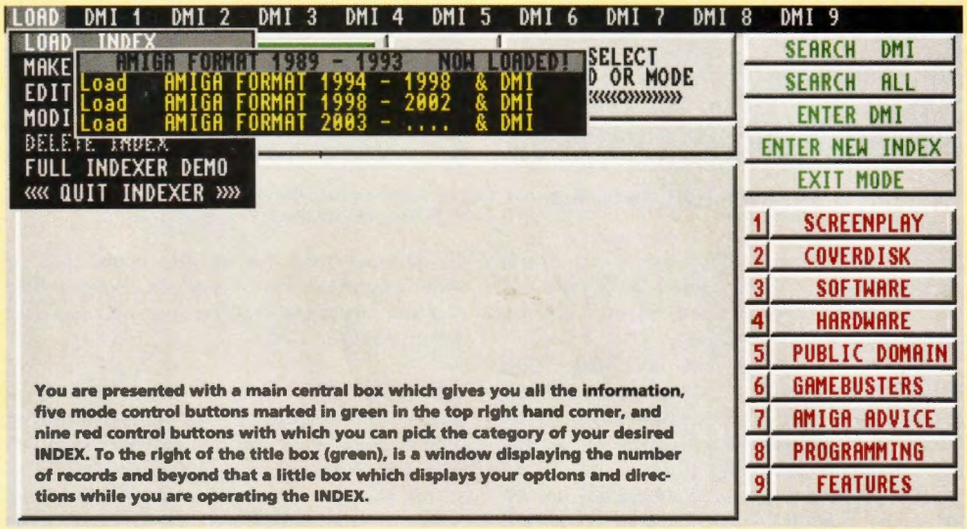
STARTING OFF

Double click on the Indexer icon and off you go. When the intro screen has cleared you should select "Load Index > Amiga Format 1989-93" and wait while the records have loaded in.

THIS SPECIAL EDITION AMIGA FORMAT INDEX allows you to Index your copies of *Amiga Format* for years to come. We have included over 1300 references to items in the past issues of *Amiga Format* to get you started with your own FORMAT INDEX. In the main, we have made general indices such as Deluxe Paint and Game Cheats, but have left it to you to make more specific indices to suit your own requirements.

You will find a number of indices installed. The first covers past issues and you can add your own items to this, and the others have been left clear for you to begin and customise for your future use. You will therefore have to devise your own new categories (see below).

There are two control modes for the program – you are always either searching or entering. You can work in either of these two modes, and get in or out of them by clicking on the button EXIT MODE.



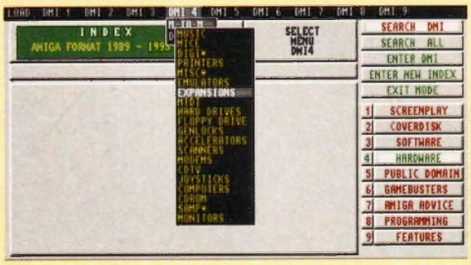
You are presented with a main central box which gives you all the information, five mode control buttons marked in green in the top right hand corner, and nine red control buttons with which you can pick the category of your desired INDEX. To the right of the title box (green), is a window displaying the number of records and beyond that a little box which displays your options and directions while you are operating the INDEX.

SEARCHING

Within the SEARCH mode there are two ways of finding items:

SEARCH DMI or SEARCH ALL

To use the DYNAMIC MENU INDEX click on SEARCH DMI then click on the Category button that interests you. You will now be told to choose an item from the menu of that category. Go up to the appropriate menu which will now be in operation and choose your desired subject. For example, if you were looking for a particular Coverdisk utility, then you would select Coverdisks from the DMI bar and then use the menu to select



By searching using the DMI you can quickly access data grouped in many sub-categories.

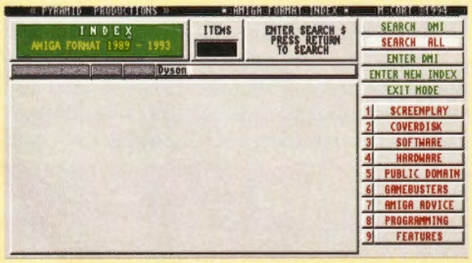
Utilities. The list of all Coverdisk utilities would then be displayed. Sometimes this can produce a very long list, but you can use the more specific search mode to find one particular item.

Whilst in SEARCH DMI you can go back up to the same Menu or change the Category by clicking the appropriate button. You can also click on SEARCH ALL to change the searching method.

SEARCH ALL

You can, of course, go straight to SEARCH ALL, by clicking on this button when you open the program. On clicking, you will be presented with four string boxes to enter a search string.

The first box is 'ghosted', as this is used for entering a new DMI. The first open box will let you enter an Issue No after which it will display all items from that particular issue. The next box lets you enter a page number, and displays all items on that page for the year. The last box allows you to enter any 33 letter string you choose, and searches all the records to see if such an item exists.



By searching all the entries for a specific string, you can quickly pull out an entry you know exists.

You are only allowed to enter a string in one box at a time, and you must therefore click on the search box of your choice before entering.

To enter further searches just click on the desired string box and it will allow you to enter a search. If you want to pop back into using the DMI just click on SEARCH DMI after any search.

To exit you click EXIT MODE which brings you out of any searching situation.

ENTERING DATA

Here again there are two methods of entering new items into indices.

ENTER DMI

If you click on the Enter DMI button you will be asked to choose a Category. Go to the Menu chosen and choose the index under which you want your new entry to be made.

The Menu will then place the DMI INDEX NAME in the first string box and all you have to do is to then enter the Issue No, Page and then your Comments. (See Comments, right.)

When you are satisfied with your entry (you can click any box to change your entry) press F1 and your new reference will be saved forever.

When entering items, it is faster to enter them in chronological order. This is because if they are out of sequence the program has to spend time sorting them and inserting them into the right place in the files. If you wish, you can now choose a new category or an index from the same menu in the same way as you searched above to write your next entry.

Alternatively, by clicking on the Enter New DMI Index control button you are asked in which category your new index will be listed. Click on your choice and you are presented with the first string box open to enter in the new name.

There is only one discipline you have to observe in making entries and that is DMI indices cannot start with a number. For example, A600 is absolutely OK. Whereas if you entered 600A you might get some peculiar results when searching. You can click back on ENTER DMI within this entry mode.

To cease entering click EXIT MODE.



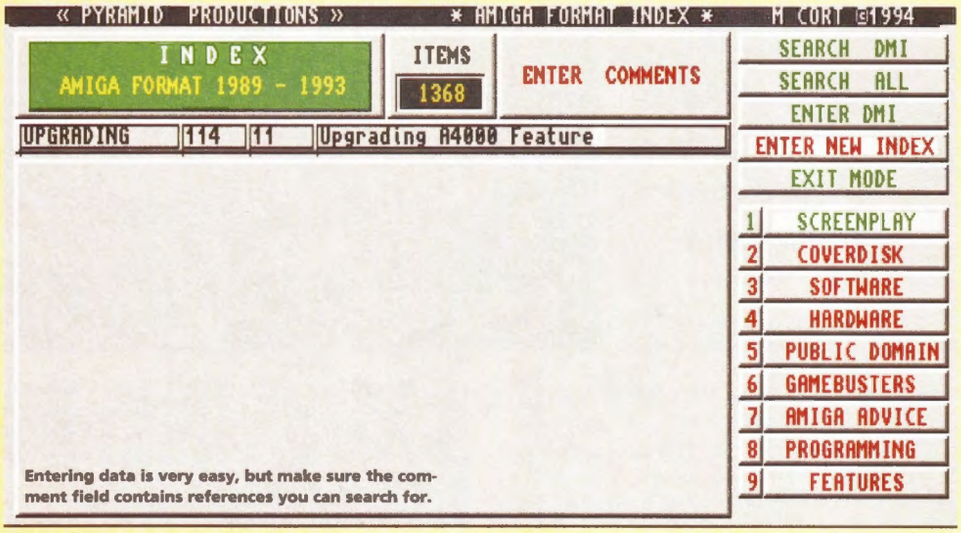
***Indexer* allows you to change the names of the categories to suit your needs.**

COMMENTS

When entering COMMENTS in a new item, you can become quite creative in the structure of your index. When the program searches a DMI it will not only search the INDEX name, but it will also find any mention of that index in the COMMENTS column.

It is therefore redundant to enter under an index, for example called REVIEW, a record in COMMENTS which states REVIEW DELUXE PAINT. Just write in DELUXE PAINT, and if after this you write in capital letters ANIM- or any other code, if you have already an index called ANIM- then the DMI while searching under that particular topic will also include this record. It is important when using this facility to write these

D WITH INDEXER



Entering data is very easy, but make sure the comment field contains references you can search for.

codes in CAPITAL letters. You can add further indices to your choice and will. For example DSK1* to add to all items on the first Coverdisk then DSK2* , and so on.

This facility is of great value when you are not quite sure which index to put a new item in. This is the spectacular part of the INDEX in that it can cross-reference records under many different subjects. For example, a Music Coverdisk would appear under Music as well as Coverdisks.

You will note that we have made these type of DMI indices as code words (WB-, ART-, EDU-, PC*, and so on) we have put such things as a star or dash in these codes as just putting the letters alone can mean part words are found. For example, if you were searching for ART, you might find lots of references to ARTicle.

CHANGING AN ITEM

Having found the item you require, scroll down to it with the cursor keys until it is highlighted, then all you simply do is press F5 and this record will be inserted in the string boxes.

Click on the box you wish to alter, then make the changes, then press Return and follow the instructions in the box that appears.

DELETING AN ITEM

As before, find the item in the list and scroll down using the cursor keys until it is highlighted. This time you should press DEL and your offending item has gone forever.

PRINTING

THE INDEXER has been created for the purpose of saving paper in the home, so you will be prompted first if you really do want to print an Index. On pressing F10, you will be asked to switch on your printer, after which you will press [RTN]. There are no fancy printing facilities involved here, this is just a direct dump of the items you have listed at the particular time.

NOTE: If a system requester appears which says "Printer not switched on", switch it on then click CANCEL, then 'left Amiga/N' to bring you back to the INDEXER screen.

DEMO

This version of *Indexer* is tailored specifically to be a companion to your collection of *Amiga Formats*, but of course you could use an indexing program for all sorts of things. Check out the other demos from the project menu

Should you find this *Amiga Format* INDEXER useful then you can obtain the, *Full Family Indexer v.2* from Pyramid Productions (see ad on page 156).

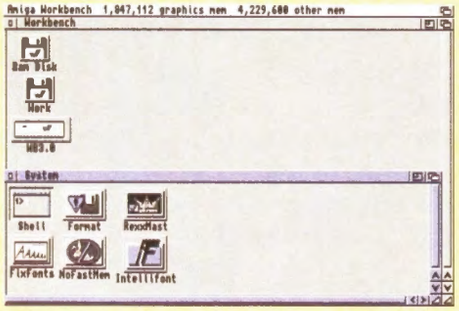
BACKING UP YOUR DISK

Copying your Coverdisk is simple. Just follow this easy process...

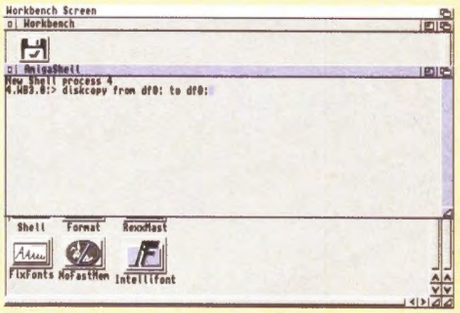
DISK NOT WORKING

We give birth to a truck load of disks every month, so you can imagine a few will turn out bad. Sad, but true. So if you are the unfortunate parent of a problem disk, send it back, including an SAE for a free replacement to:

Amiga Format May Disk
Discopy Labs Ltd
PO Box 21, Daventry, NN11 5BU

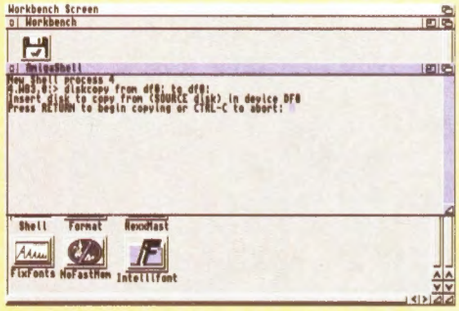


1 Boot up with your Workbench disk, and find the icon called Shell, which should be in your system drawer. Double-click on this to go into the Shell.

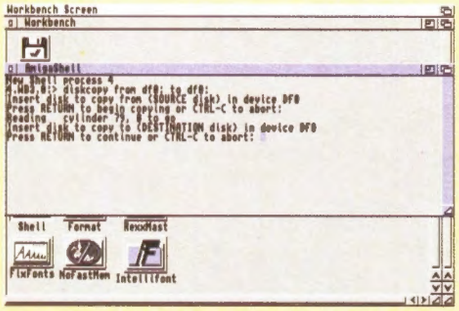


2 Type in the following line exactly as it appears here, taking care to put the spaces in the correct places:

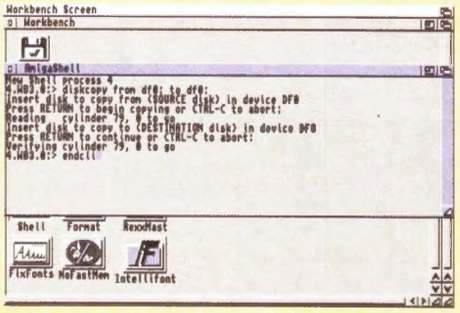
```
DISKCOPY FROM DF0: TO DF0:
```



3 When you are asked for the source disk, insert the Coverdisk and press Return. All of the information on this disk will then be copied from the disk into memory.



4 Once it has read the info, it will ask for the destination disk. Insert the disk you want to copy to and press Return. All information on this disk will be destroyed.



5 On an unexpanded machine, the Amiga may ask for the source disk again, as it copies in chunks. Finally, type Endcli to close down the Shell. Your copy is complete.

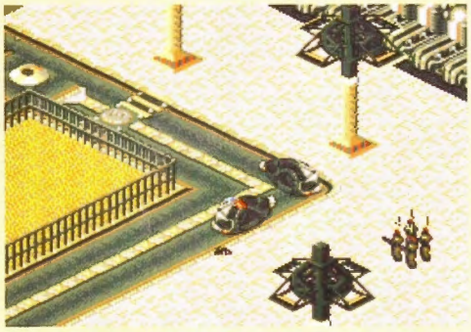


SYNDICATE

Save our Julie from a fate worse than death in this exclusive preview of Bullfrog's Syndicate: American Revolt missions disk.

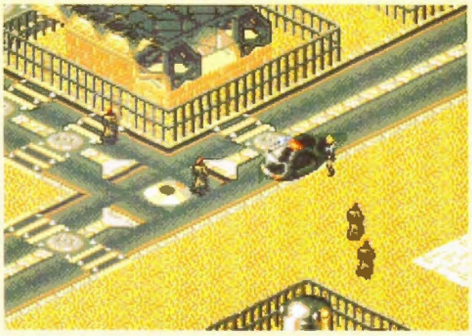


This *Syndicate* missions disk is a real challenge – but the rewards are worth it.



THAT'S RIGHT SECRET agent and journalist Julie Tolley's cover has been blown while investigating President Clinton's underpants collection in the Rocky Mountains. Your team of four agents are sent in to act as a human shields and smuggle Julie out of the area before the enemy forces can get their grubby mitts on her.

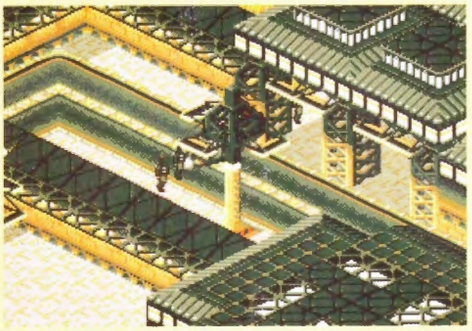




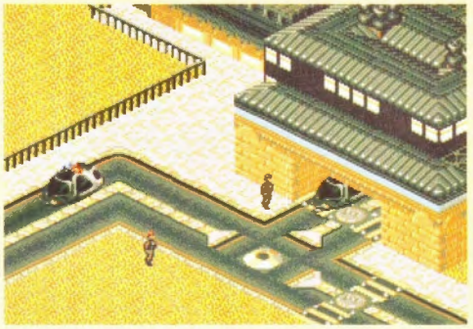
Secret agent Julie Tolley panics and makes a desperate escape bid while an overwhelming force of enemy agents zeroes in on your team.

You may have conquered the world in the original *Syndicate*, but the extremely violent *American Revolt* puts your whole empire in jeopardy.

1 **You start off in the south-east corner of the city with a car in front of you. The first thing to do is power-up your weapons, then get one man to steal the car and dump it in the middle of the highway causing a road-block which forces the police car containing Julie to stop. Now make all your agents head towards the building to the west, drawing fire from the enemy troops away from the two cars. Destroy all the agents and collect their weapons, if necessary.**



2 **The next threat comes from the north where another squad of enemy agents has set up a roadblock. Move your car a little further up the road and attack from a distance using Gauss Guns or Lasers, ensuring Julie doesn't get caught in the crossfire, then close in to mop up any remnants.**



3 **By now the police are aware of your presence and set up roadblocks as you approach. Luckily they're not too difficult to destroy, but more enemy agents are in the vicinity and another pitched battle ensues. Again keep Julie as far away from the action as possible.**



4 **Julie's destination is the farmhouse to the extreme west. Sweep the surrounding area to ensure there are no enemy agents in the vicinity before letting Julie leave her car and enter the building.**

CALEPHAR

In this game, one minute you are thinking about a frolic with Virtual Valerie, the next you are hustled into a poorly-armed spaceship and sent on a do-or-die mission against waves of alien nasties. What a life!

***Calephar* is a vertically-scrolling shoot-em-up from Belgian newcomers Future Software and it's a cracker. This one level demo places you at the start of the full game, then hurls lots of extra-terrestrial metal at you. The controls are simplicity itself. Move the joystick left to go left, right to go, right and up or down to move forward and back. Pressing the fire button unleashes a hail of bullets in the general direction of your assailants and pressing the spacebar detonates a baddie-blasting smart bomb. Naturally, there are all kinds of power-ups and bonuses for you to collect including three-way forward fire and heaps of extra points.**

The key to getting these goodies is by shooting the smaller aliens which accompany the main formation. That's about all you need to know, so get blasting!



With three lives and three smart bombs disposing those alien scumbags should present no problem.

HELP NEEDED!

Future Software are currently looking for a UK distributor if anyone is interested in selling/marketing *Calephar* or their puzzle game *Brain Drain* in the UK call Nichole Coesel on 010 329 236 2725 or write to: Future Software, E Seghersplein 23, 9000 Ghent, Belgium.

TFX

REVIEWS

PC PLAYER ★★★★★

PC ACTION 90%

PC ZONE CLASSIC 90%

PC REVIEW 9/10

PC HOME 91%



"It's more than a straight flight sim:, D.I.D. have emulated multi-million dollar flight simulators. When you play TFX the first thing that hits you is the detail of the landscape... over seven million square km appears on screen, with hills, roads and mountains all in the right place." THE EDGE

"The graphic detail is quite superb, with stunning visuals and strong sense of image, TFX is quite often like watching a movie... when I first saw TFX my jaw dropped so far it took me 15 minutes to find it again! It's fast, good looking and fun." PC REVIEW







Tactical Fighter Experiment... the only choice worth making where state of the art flight simulation is concerned.

Take control of one of three of the finest aircraft money can buy:

Eurofighter 2000

Lockheed F-22

Lockheed F-117 Stealth Fighter

TFX... a simulation at the cutting edge of aerial combat enhanced by unprecedented in-depth research and authentic flight detail.

Take on the missions... fight for peace.

PC & COMPATIBLES · PC CD-ROM · AMIGA 1200 · CD32

DIGITAL IMAGE DESIGN

ocean®

DIGITAL IMAGE DESIGN

OCEAN SOFTWARE LIMITED · 2 CASTLE STREET · CASTLEFIELD · MANCHESTER · M3 4LZ · TELEPHONE: 061 832 6633 · FAX: 061 834 0650

FIRST COMPUTER CENTRE (LEEDS) Tel: 0532 319444

"VOTED BEST DEALER" CU AMIGA JAN 93

FIRST COMPUTER CENTRE

OPEN 7 DAYS A WEEK

OPEN MON - SAT.....9.30AM-5.30PM
SUNDAY OPENING.....11.00AM-3.00PM
THURSDAY NIGHT LATE...9.30AM-7.30PM
OPEN HALF DAY MOST BANK HOLIDAYS

TELEPHONE LEEDS

24 HOUR MAIL ORDER SERVICE 6 LINES!

0532 319444
FAX: 0532 319191

SHOWROOM ADDRESS :
DEPT. AF, UNIT 3, ARMLEY PARK COURT, OFF CECIL ST, STANNINGLEY RD, LEEDS, LS12 2AE

HOW TO ORDER

Order by telephone quoting your credit card number. Please make cheques payable to the:
"FIRST COMPUTER CENTRE."
In any correspondence please quote a phone number & post code. Do not forget to include the delivery tariff. Allow 5 working days for cheque clearance.

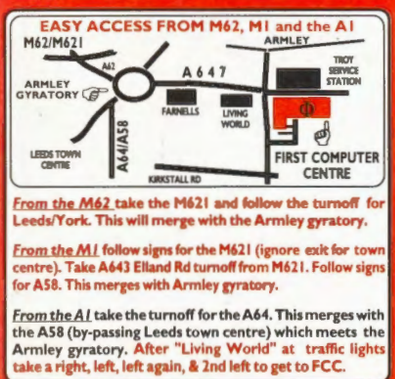
- All prices include VAT
- Finance available, phone for details
- Large showroom with free parking
- Overseas orders taken
- Educational orders welcome

UK MAINLAND DELIVERY TARIFFS

- Standard Delivery.....£1.50
- Guaranteed 2 to 3 day (week days) Delivery.....£2.95
- Guaranteed Next Day (week days) Delivery.....£4.95

AMIGA REPAIR CENTRE

We offer a FREE quotation on your Amiga or any peripheral (monitors, printers etc). A delivery tariff of just £5.00 is charged or alternatively you can visit our showroom. We can also arrange a courier pickup at an additional cost of £11.00.



From the M62 take the M621 and follow the turnoff for Leeds/York. This will merge with the Armley gyratory.

From the M1 follow signs for the M621 (ignore exit for town centre). Take A643 Elland Rd turnoff from M621. Follow signs for A58. This merges with Armley gyratory.

From the A1 take the turnoff for the A64. This merges with the A58 (by-passing Leeds town centre) which meets the Armley gyratory. After "Living World" at traffic lights take a right, left, left again, & 2nd left to get to FCC.

We recommend you confirm prices before placing an order. E&OE.

AMERICAN EXPRESS · Access · VISA · SWITCH · MasterCard · EUROCARD

2% surcharge on AMEX

CD ROM Drives

Internal SCSI CD-ROM drives for the A1500/2000/4000 (with suitable SCSI interface). All drives include driver software & will read both CDTV / CD32 & PC ISO 9600 standard disks. External kits for A3000 also available

NEC Multispin 2XI Internal **£194.99**
•265Ms Access time •355KB transfer rate

TEAC CD-50 Internal **£339.99**
(Amiga 1500/2000 compatible only)
•320Ms Access time •300KB transfer rate

TOSHIBA XM3401 Internal
•200Ms Access time •330KB transfer rate
£321.99

TOSHIBA XM4101
•385Ms Access time •300KB transfer rate
Internal.£219.99 External.£314.99

GVP A4008 SCSI controller..£122.99

The AMIGA A1200

A1200 Standard pack only £259.99
without games software

Computer Combat pack only £334.99!
with Total Carnage, Brian the Lion, Zool 2, Wordworth 2, Print Manager, Day by Day, Personal Paint 4

RACE & CHASE pack only £289.99!
with Nigel Mansell F1 and Trolls!

DESKTOP DYNAMITE pack
with Wordworth 2 AGA, Print Manager, DPaint AGA, Dennis and Oscar
only £329.99

HARD DRIVE VERSIONS

	STD pack	R&C pack	D/D pack
64Mb	£419.99	£439.99	£489.99
85Mb	£479.99	£489.99	£537.99
127Mb	£499.99	£519.99	£564.99
209Mb	£569.99	£589.99	£629.99

THE CHAOS PACK!

- CHAOS ENGINE
- NICK FALDO CHAMPIONSHIP GOLF
- PINBALL FANTASIES
- SYNDICATE

only £29.99 or £19.99 with any AMIGA!

The AMIGA 4000

A4000/030, 80 Mb HD	£1009.99
A4000/030,130 Mb HD	£1114.99
A4000/030,214 Mb HD*	£1174.99
A4000/030,540 Mb HD*	£1469.99
A4000/40	
A4000/040LC,120 Mb HD*	£1569.99
A4000/040LC,214 Mb HD	£1614.99
A4000/040LC,540 Mb HD*	£1859.99
A4000/40 SCSI Tower	
A4000/040TW,214 Mb HD*	£1959.99
A4000/040TW,525 Mb HD*	£2254.99
A4000/040TW,1GIG HD*	£2549.99

All the above examples come with 6 Mb of RAM as Standard
*The hard drive only is not covered by on site warranty

All Amiga's come with Workbench, mouse & 12 month warranty. The A1200 & A4000 come with 12 months on site warranty All 1200's also come with a built in Integral hard disk option.

A600 & 1200's 2.5" HD kits

*Just Add £10.00 for fitting

60Mb...*£134.99	120Mb...*£219.99
80Mb...*£194.99	250Mb...*£309.99

3.5" H/drive upgrade kit no HD only £22.99

PRIMA A1200 REAL TIME CLOCK

Date & time stamp files. Fits directly onto motherboard with no soldering

check for compatibility **only £13.99!**

AMIGA CD32 4 Game PACK

based on the 68020, the CD32 features AA chip set, A4 size footprint, 2Mb RAM, 128K flash memory, built in WB & the ability to play normal audio CD's
inc Oscar, Wing Commander, Dangerous Street & Digger

only £279.99

Spectactular Voyage Pack.£289.99
includes Microcosm and Chaos Engine

Full Motion Video Module
Transforms the standard CD-32 into a powerful multimedia unit **£193.99**

CD32 Software

Fire Force	£21.99	Trivial Pursuit	£21.99
Lotus Turbo Trilogy	£21.99	Liberation	£24.99
Town with no Name	£21.99	Seek & Destroy	£19.99
7 Gates of Jambala	£21.99	Deep Core	£18.99
Chambers of Shaolin	£18.99	Zool	£21.99
Laberynth of Time	£20.99	Sensible Soccer	£19.49
Dangerous Streets	£21.99	Pirates Gold	£21.99
Whales Voyage	£21.99	Alfred Chicken	£21.99
Nigel Mansell WC	£21.99	Morph	£21.99

CD Rom Amiga A570

Turns your Amiga 500 into a CDTV. Includes Fred Fish CDPD disk & Sim City **only £98.99!**

PRINTERS

All our printers are UK spec, come with ribbon/toner, printer drivers (if available), paper & cables!!

Canon

Canon BJ10sx.....£184.99
Laser quality output. Large buffer

Canon BJ200.....£231.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder

Canon BJ230.....£321.99
wide carriage version of above

Canon BJ300.....£419.99
Desktop bubble jet with laser quality

Canon BJ330.....£464.99
Wide carriage version of the BJ300

Canon BJC600 Colour.....£532.99
new bubble jet from Canon

BJ10 Autosheetfeeder.....£49.99

NEW LOW PRICES

CITIZEN COMPUTER PRINTERS

Citizen printers have a 2 year guarantee

New! ABC Colour printer.....£154.99
simple (as easy as ABC) to use 24 pin printer. Comes as standard with 50 sheet Auto sheet feeder. Tractor feed optional at £27.99
only £139.99 if bought without the colour option

Swift 90 Colour.....£156.99
Excellent value 9 pin colour. Highly recommended

Swift 200 Colour.....£181.99
Same out put as the 240 but with less facilities

Swift 240 Colour.....£218.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.

Projet II.....£254.99
new inkjet printer with built in auto sheet feeder

Swift Auto Sheet feeder.....£79.99

HEWLETT PACKARD

HP 310 Portable.....£229.99

NEW! HP 520 mono.....£249.99

HP 500 Colour.....£344.99

NEW! HP 560 Colour.....£484.99
even faster than the old HP550C!!

All HP printers come with a 3 year warranty

NEW LOW STAR PRICES

THE STAR COMPUTER PRINTERS

Star LC100 colour.....£119.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ

Star LC24-100 Col.....£126.99

Star LC24-30 Col.....£199.99
complete with automatic sheet feeder, 192 cps draft

Star LC24-300 Col.....£249.99
24 pin quality, 264 cps draft, 80 cps LQ, 39K buffer expandible to 48K, 16 fonts and quiet mode.

Star LC24-200 colour.....£219.99
Colour version with 30K buffer expandable to 62K

Star SJ48 Bubble jet.....£209.99
Laser quality, ultra quiet, Epson compatible & portable

NEW! Star SJ144 Colour Thermal
Stunning affordable colour printer. 3 PPM, low running costs
only £349.99

Star SJ48 Autosheet feeder only £49.99

Univedrsal Printer Stand.....only £4.99

SUPRA MODEMS

SupraFAXModem 288
NEW Super fast! 28,800 bps + 14,400 Fax
Phone for more details **only £299.99**

SupraFAXModem 144LC
V.32 bis (14400 baud !)
Low cost version of the classic V32Bis Fax modem. Features as below but class 1 fax only and LED display
only £159.99

SupraFAXModem V.32bis
This modem has full 14400 baud. includes V.32bis, V.32, V.22bis, V22, V21, MNP2-5, V.42, V42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free modem comms (not Fax)s/w & cable
only £209.99

♦

SupraFAX Plus.....£119.99
Even faster than the standard 2400 from Supra with auto dial & auto receive. 9600 bps Hayes comp. V22Bis, V42 Bis, MNP 2-5 & auto adjust to maximise transmission speeds. Includes free modem comms (not Fax) s/w & cable.

♦

Supra 2400.....£64.99
Get on line using this great value fast modem with auto dial & receive. 2400 baud Hayes comp, V22 BIS. Includes free modem comms s/w & cable!!

Supra modems are not BABT approved, however they perform as well & often out perform BABT approved modems. Supra Modems have a 5 year limited warranty

US Robotics

WE ARE PREFERRED USR DEALERS

Sportster 2496 +Fax	£145.99
Sportster 14400 Fax	£189.99
WorldPort 14400 +Fax	£251.99
Courier HST (16.8)	£469.99
Courier V32bis Terbo +Fax	£449.99
Courier HST/Dual 16.8 Fax	£486.99
Courier HST/Dual 16.8 Terbo Fax	£556.99

If you thought V32bis was fast try the terbo! They come with a 5 year warranty & are BABT Approved!

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead*

Sharp TV/Monitor £184.99
includes remote control, stereo sound

Microvitec 14" Multisync
1 year warranty **£399.99**
*free cable for A4000 only. A1200 cable £6.99 extra

NEW! Microvitec Autoscan 1438
.28 dpi, 15/38 KHz, all Amiga modes, AGA comp. no audio, tilt & swivell stand.
now only £289.99

Commodore 1084S....£199.99

Commodore 1940.....£284.99

Commodore 1942.....£349.99

PRINTER CONSUMABLES

RIBBONS

Citizen Swift mono ribbon	£4.99
Citizen Swift Colour ribbon	£13.99
Star LC10/100 mono	£3.69
Star LC200 mono	£4.99
Star LC10/100 colour	£7.99
Star LC200 colour	£12.99
Star LC24-30 mono	£8.99
Star LC24-30/200 Colour	£11.99
Re-Ink Spray for mono ribbons	£11.99

COVERS

Star LC10/20 cover	£4.99
Citizen Swift/ABC	£5.99
HP 500/550/510	£5.99
Star LC100/200	£5.99
Star LC24-300/30	£5.99

PAPER

prices apply only when ordered with printer or purchased direct from the showroom

Fanfold (tractor feed)	500 sheets	£4.99
Fanfold (tractor feed)	1000 sheets	£8.99
Fanfold (tractor feed)	2000 sheets	£17.99
Single sheet	500 sheets	£4.99
Single sheet	1000 sheets	£8.99
Single sheet	2000 sheets	£17.99

Delivery for 2000 sheets £5.00 when purchased without printer

PREMIER Ink Cartridge Refills

Save a fortune in running costs with your ink/bubble jet. Compatible with the HP500/550, Deskjet Plus, Canon BJ10/20/80/130/200/300/330, Star SJ48, Citizen Projet and many others. Full range of colours available.

Single refills (22ml)	£6.99
Twin refills (44ml)	£12.99
Three colour kit (66ml)	£19.99
Full colour kit (88ml)	£27.99
Bulk refills (125ml)	£24.99

Cartridges

Canon BJ10 cartridge	£18.99
Double life 500 cartridges	£24.99
HP550/500 Colour cartridge	£24.99
Star SJ48 cartridge	£18.99
Star SJ144 cartridge (pack of 3)	£42.99
Star SJ144 mono cartridges (3 pack)	£21.99
Star SJ144 colour cartridges (3 pack)	£21.99

Miscellaneous

Printer Switch Box 2 way	£12.99
Printer Switch Box 3 way	£17.99
Printer Stands (Universal)	£7.99
3 Metre printer cable	£6.99
5 Metre printer cable	£8.99
10 metre printer cable	£12.99

PRIMA A500 & A600 RAM

3 YEAR WARRANTY!!

A500 512k RAM expansion (no clock).£19.99

A500 Plus 1 Mb RAM expansion.....£34.99

A600 1 Mb RAM expansion (with clock).....£39.99

32 BIT RAM (for A4000 etc)

1 Mb SIMM.....£39.99
2 Mb SIMM.....£95.99
4 Mb SIMM.....£152.99
8 Mb SIMM £309.99

RAM & CUSTOM CHIPS

SPEED	PLCC	PGA
25 Mhz	£53.99	£69.99
33 Mhz	£71.99	£9199
50 Mhz	N/A	£137.99

1mb by 8/9 SIMMS (1 Mb).....£34.99
4 Mb by 9 SIMMS (4 Mb).....£144.99
1 Mb by 4 DRAMS(1Mb).....£39.99
1 Mb by 4 ZIPS(1/2 Mb).....£22.99
256 by 4 ZIPS.....(each)£5.49
256 by 4 DRAM (DILs).....(each)£5.49
DKB 1202 A1200 RAM board.....£84.99
takes 2 32 bit SIMMs. Has an optional FPU. See above for prices
Kickstart 1.3.....£19.99
Kickstart 2.04.....£24.99
Kickstart 2.05 (for use in A600)...£26.99
Fatter Agnes 8372A.....£26.99
Super Denise.....£18.99
6571-0326 Keyboard controller.£13.99
CIA 8520A I/O controller.....£8.99

AMIGA 1200 RAM

The HAWK CO-PROCESSOR & RAM

Realise the full potential of your A1200 with this trapdoor expansion. inc real time clock

1 MB RAM.....£98.99
2 MB RAM.....£134.99
4 MB RAM.....£198.99
8 MB RAM.....£394.99
1 MB & 20 MHz CO PRO....£147.99
2 MB & 33 MHz CO PRO....£198.99
4 MB & 40 MHz CO PRO....£294.99
8 MB & 40 MHz CO PRO....£494.99
FULL 2 YEAR WARRANTY

SUPRA A500 RAM

Simply the best! Fits onto the side expansion port
Auto configures with no software patching.

8Mb pop to 2 Mb.....£159.99
8Mb pop to 4 Mb.....£214.99
8Mb pop to 8 Mb.....£319.99
8Mb pop to 2 Mb for 2000/1500 range..£149.99

GVP PRODUCTS

A1200 Products

33 Mhz 68882 for A1200 SCSI/RAM.....£77.99
External SCSI kit SCSI/RAM.....£47.99
NEW! A1230 MK II Accelerator Board

Speed	RAM	FPU	Cost
40	0	0	£244.99
40	4	0	£437.99
40	4	40	£535.99
40	8	0	£634.99
50	0	0	£369.99
50	4	0	£564.99
50	4	50	£664.99
50	8	0	£759.99

A1500/2000/4000 Products

HC8+/0Mb drive.....£122.99
HC8+/42Mb drive.....£197.99
HD8+/120Mb drive.....£299.99
PC286 Emulator for HD8+/A530.....£99.99
G-Force 030 40 Mhz 4Mb RAM.....£599.99
Hard Drive mounting kit for G-Force.....£34.99

GVP Simms

1Mb.....£64.99
4Mb.....£194.99

1291 SCSI Module for A1200.....£79.99

Miscellaneous Hardware

Overdrive 35 External hard drive case.....£139.99
XDS Dataflyer External Hard drive kit.....£64.99
DKB Mega Chip II (2Mb chip RAM).....£169.99
gives 2 Mb of chip memory on A500/A1500/2000

SPECIAL OFFERS!

Directory Opus 4.....£45.99
Distant Suns 5.....£35.99
Deluxe Paint 4 AGA.....£49.99
Make Path for Vista.....£25.99
Pagestream 2.2 DTP.....£64.99
XCopy Pro plus hardware.....£25.99
Technosound Turbo.....£18.99
Technosound Turbo 2.....£25.99
Vista Pro 3.....£45.99
Wordworth 2 AGA with Print Mgr!.....£34.99
Workbench 2.04 software and ROM upgrade (complete with manuals)
only £49.99

◆

ROCHARD DRIVES
for the A500/A500+
takes standard IDE hard drives, expandable to 8Mb using 1Mb SIMMS
from £159.99 (40Mb)
GVP HC8+ from £199.99

◆

Mega Lo Sound.....£25.99

SCANNERS

Power Scanner V4 £119.99

With the latest version 4 s/w for bright & sharp grey scale performance. Flexible scanned image display manipulation options, plus Clean up, embolden, resize & flip.

Colour version only £239.99

EPSON GT6500 Colour Flatbed only £587.50 phone for details

Art Department Pro Scanner S/W..£109.99
compatible with Epson ES300C, ES600C, ES800C, GT6000, GT6500 & GT8000

MICE & TRACKERBALLS

Alpha Data Mega Mouse 90% rating. 290 Dpi..£12.99 or £14.99 for 400 Dpi version

DATALUX CLEAR MOUSE High quality clear 2 button mouse.....£19.99

Zydec Trackball.....£29.99

Golden Image Trackball.£37.99

DISK DRIVES

NEW! Golden Image drive with LCD track display....only £49.99



NEW! AMITEC 1 mb 3.5" drive
Features Anti Click, Anti Virus, Sony Mech, 2 year warranty
only £58.99

Cumana 3.5".....only £56.99
1 meg external drive. The best name in disc drives

A600/1200 internal drive.....£53.99
A500 internal drive.....£49.99
A4000 internal HD drive.....£99.99

PICASSO II

New generation retargetable graphics has arrived with this true 24 bit graphics board for the A2000/3000/4000.

1Mb version.....£299.99
2Mb version.....£335.99

GENLOCKS

VHS | VHSC | SVHS | SVHSC | Video 8 | Hi 8

hama ON DEMO NOW!
The Professional answer

hama 292.....£269.99
S-Video, and composite compatible

hama 290.....£674.99
S-Video, and composite mixing, plus far more

GVP Genlock.....only £289.99
features professional SVHS output

Rocgen Plus.....only £152.99
Includes dual control for overlay and keyhole effects, extra RGB pass thru. Now A1200 compatible!

Rendale 8802 FMC..only £164.99

Rocgen Rockey.....only £152.99
For creating special effects in video production with genlocks.

ROMBO PRODUCTS

VIDI 12 Real Time £134.99
Real time colour digitizing from any video source. Full AGA support

VIDI 24 Real Time £223.99
24 bit quality real time colour digitizing from any video source. Full AGA support

VIDI 12 AGA £70.99
Full support for AGA chipset. Colour images captured in less than a second, mono images in real time with any video source. Multitasking s/w, cut & paste.

VIDI 12 Sound & Vision AGA
with built in MegamixMaster £98.99

TAKE 2 £35.99
Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.

Megamix Master.....£26.99
8 bit, high spec. sampler. Special effects include echo that can be added in real time, fully multitasking & easy to use.

ACCELERATORS

MICROBOTICS

MBX 1200Z with 20 MHz FPU.....£89.99
MBX 1200Z with 50 MHz FPU.....£214.99
expandible to 8 Mb 32 Bit RAM (see RAM prices)
New M1230 for A1200 withup to 128 Mb fast RAM!
M1230 XA 33Mhz, 0Mb.....£245.99
M1230 XA 40Mhz, 0Mb.....£264.99
M1230 XA 50Mhz, 0Mb.....£334.99
VXL 30 25 Mhz (for A500).....£184.99
VXL 30 40 Mhz (for A500).....£259.99
VXL 2 Mb Ram Board (for A500).....£189.99
expandible to 8 Mb 32 Bit RAM (see RAM prices)

SUPRA 28 ACCELERATOR
for the A500/A500+& A1500/2000
28 Mhz, uses A500 side port so there is no internal fitting
only £139.99!

PRIMA ROM SHARERS

This high quality ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty

now only £17.99 or £24.99
for keyboard switchable version

ACCESSORIES

Real Time A1200 internal clock module...only £12.99
Mouse/joystick manual port switcher.....only £13.99
Computer Video Scart Switch.....only £19.99
2/3/4 way Parallel port sharers £POA
Amiga Sound Enhancer Plus by Omega Projects. Hear the Amiga's sound like you've never heard it before! £36.99
QUALITY MOUSE MATS.....£3.99
10 CAPACITY DISK BOX.....£0.99
20 CAPACITY DISK BOX.....£2.99
40 CAP LOCKABLE DISK BOX.....£3.99
100 CAP LOCKABLE DISK BOX.....£5.49
*90 CAP STACKABLE BANX BOX.....£9.99
*150 CAP STACKABLE POSSO BOX.....£17.99
*add £3.00 delivery if purchasing just one Posso or Banx box. Normal delivery when purchased with other product or when buying 2 or more.
AMIGA A500 DUST COVER.....£3.99
AMIGA 600 COVER.....£2.99
14" MONITOR DUSTCOVER.....£6.99
NEW! Keyboard Membrane Covers.....£14.95
AMIGA TO SCART CABLES.....£9.99
STD 1.8 METRE AMIGA PRINTER LEAD....£4.99
MODEM AND NULL MODEM CABLES.....£9.99
AMIGA CONTROL STATIONS
A500 or 1200 VERSION.....£36.99
A600 VERSION.....£29.99

DISKS

All disks are 100% error free guaranteed
New High density 3.5 inch bulk and branded
Please phone for best prices!

QTY	Bulk DS/DD	Branded DS/DD
10	£4.49	£5.49
30	£12.99	£14.99
50	£20.99	£22.99
100	£37.99	£42.99
200	£69.99	£79.99
500	£168.99	£190.99
1000	£324.99	£365.99

Branded disks come complete with labels
Disk Labels....500.....£6.99
Disk Labels..1000.....£9.99

SOFTWARE

BUSINESS

Maxi Plan 4.....£24.99
Mini Office.....£38.99
Money Matters.....£35.99

MISCELLANEOUS

Distant Suns 5.....£35.99
XCAD 2000.....£97.99
XCAD 3000.....£289.99

MUSIC/SOUND

Clarity 16 sampler.....£105.99
Deluxe Music Construction Set v2.....£59.99
Pro Midi Interface by Microdeal.....£24.99

Techno Sound Turbo.....£18.99
Techno Sound Turbo 2.....£25.99

PROGRAMMING

Amos Creator.....£34.99
Amos Compiler.....£21.99
Amos 3D.....£25.99
Amos Professional.....£47.99
Amos Professional Compiler.....£24.99
Blitz Basic 2.....£53.99
Devpac 3.....£50.99
Easy AMOS.....£24.99
SAS C Version 6.5.....£234.99

PUBLIC DOMAIN *Top 50 from £1.50!* (many more titles available)

Ami Base Pro v 1.8.....(PDA001) 1 disk.£1.50
Disk Salv V2.....(PDA003) 1 disk.£1.50
D-Copy V3.....(PDA004) 1 disk.£1.50
Edword Pro V4.....(PDA005) 1 disk.£1.50
Easy Calc Plus.....(PDA006) 1 disk.£1.50
Fairlight Virtual Dreams.....(PDA008) 1 disk.£1.50
Grapevine 17.....(PDA009) 3 disk.£2.75
Relokick 1.3.....(PDA011) 1 disk.£1.50
Klondyke AGA.....(PDA013) 3 disk.£2.75
Last Stand in Hoth.....(PDA014) 4 disk.£3.50
Mindwarp AGA Demo.....(PDA015) 1 disk.£1.50
Motorola invaders AGA.....(PDA016) 2 disk.£2.25
Magic Workbench Utils.....(PDA017) 1 disk.£1.50
Point of Sale Demo 1200 only...(PDA018) 1 disk.£1.50
PC Task Emulator.....(PDA019) 1 disk.£1.50
Reorg V3.1.....(PDA023) 1 disk.£1.50
Spectrum Emulator version 1.7.(PDA027) 1 disk.£1.50
Spectrum Games Disk.....(PDA028) 1 disk.£1.50
TRSI Misery Demo.....(PDA029) 1 disk.£1.50
Fit Chix.....(PDA030) 2 disk.£2.25
9 Fingers Rave Demo.....(PDA033) 2 disk.£2.25
Mean CD Machine.....(PDA036) 3 disk.£2.75
Fit Chix 2.....(PDA034) 2 disk.£2.25
The Mini AGA.....(PDA009) 1 disk.£1.50
CD Wars.....(PDA039) 1 disk.£1.50
State of the Art.....(PDA024) 1 disk.£1.50
Andys Workbench 3 Utils.....(PDA031) 1 disk.£1.50
Desert Dreams Demo.....(PDA012) 2 disk.£2.25
Origin Complex.....(PDA040) 1 disk.£1.50
Ray World AGA Demo.....(PDA041) 1 disk.£1.50
CLI/SHELL Help.....(PDA002) 1 disk.£1.50
Clipart 1 - MacArt.....(PDAC01) 1 disk.£1.50
Clipart 2 - Wildlife.....(PDAC02) 1 disk.£1.50
Clipart 3 - MacArt 2.....(PDAC03) 1 disk.£1.50
Clipart 4 - Food.....(PDAC04) 1 disk.£1.50
Clipart 5 - Food 2.....(PDAC05) 1 disk.£1.50
Clipart 6 - Smart!.....(PDAC06) 1 disk.£1.50
Clipart 7 - Xmas.....(PDAC07) 1 disk.£1.50
Clipart 8 - Comics.....(PDAC08) 1 disk.£1.50
Clipart 9 - Garfield.....(PDAC09) 1 disk.£1.50
Clipart 10 - Viz!.....(PDAC10) 1 disk.£1.50
Clipart 10 pack.....(PDAC25)10 disk£12.50
CD ROM drivers (Ami).....(PDACD1) 1 disk.£1.50
CD ROM Bonus Utils.....(PDACD2) 1 disk.£1.50
Megaball AGA.....(PDA050) 1 disk.£1.50
Revelations Slideshow.....(PDA020) 1 disk.£1.50
MiniMorph.....(PDA051) 1 disk.£1.50
Find it.....(PDA052) 1 disk.£1.50
First Fonts Disk 1.....(PDAFO1) 1 disk.£1.50
First Fonts Disk 2.....(PDAFO2) 1 disk.£1.50
First Fonts Disk 3.....(PDAFO3) 1 disk.£1.50

UTILITIES

Amiback Tools.....£39.99
Amiback Plus Tools Bundle.....£74.99
Directory Opus 4.....£45.99
GP FAX 2.3 software.....£49.99
Quarterback V6 *NEW!*.....£52.99
Latest version of this Fast & Famous hard disk backup utility.
Prima A600/1200 Hard Drive setup software. This is the best setup software on the market.....£5.99
Quarterback Tools.....£54.99
Quarterback Tools Deluxe.....£64.99
Xcopy Pro inc. hardware.....£25.99

VIDEO AND GRAPHICS

Art Department Pro 2.5.....£145.99
Art Department Scanner software.....£114.99
Brilliance Pro. paint and animation.....£119.99
Caligari 24 3D Design and animation.....£94.99
Deluxe Paint 3.....£12.99
Deluxe Paint 4 AGA.....£49.99
Make Path for Vista.....£25.99
Real 3D Classic.....£77.99
Real 3D V2.....£389.99
Scenary Animator V4 (3Mb reqired).....£49.99
Video Director.....£115.99
Video Master.....£49.99
Vista Pro 3 (4Mb required).....£45.99

WORD PROCESSING/DTP

Final Copy 2 (UK) *Release 2*.....only £66.99
built in outline fonts, full graphics import (IFF and HAM), UK thesaurus, spelling checker & much more.
Final Writer DTP *NEW!*.....£99.99
Penpal 1.4.....£29.99
Best selling feature packed word publisher with database
Pagestream 2.2 U.K. version.....£64.99
Pagestream 3 U.K. version.....£249.99
Pagesetter 3.....£42.99
Pro Page V4.....£109.99
Pro Page V4 & Pro Draw 3.....£139.99
Protext 4.3 W/P.....£39.99
Prowrite 3.3 *NEW!*.....£45.99
Wordworth 2 AGA inc Print Mgr *Special low price!* £34.99
Wordworth 3 *NEW!*.....£107.99

NEWS

Commodore's Autumn results spark new takeover speculation.

Commodore's losses for the last quarter of 1993 totalled $7.8 million (£5.5 million). The results aren't good, but as UK MD David Pleasance points out: "When you consider that the losses for the last quarter of 1992 were over $70 million (£48.6 million) it's a considerable improvement. And I firmly believe, were it not for the general softness of the industry, we would be back in profit by now".

However, Commodore were firmly predicting to be back in the black by now, and their failure to do that in the most profitable quarter of the year has shaken the resolve of some investors.

Commodore shares are not currently listed on the New York Stock Exchange, which is often a sign of a company about to change hands. But Commodore UK, in time-honoured fashion, neither confirmed or denied this. "Corporate finances are dealt with by the US, so anything we say will be irrelevant," says Pleasance. "But we have made no secret of the fact that we are looking for corporate investors."

A merger may be the only way to save the company. It has been in a negative equity situation (all the debts outweigh the value of the company) since early last year. And although Commodore have an attractive range of machines, and some very exciting technology in the pipeline, they need outside investment in order to market these machines effectively.

Whatever occurs, it is unlikely to affect the longevity of the Amiga range. With an installed user base of well over 6,000,000 in Europe, and exciting technology like the AAA chipset and the 64-bit RISC machine nearing completion, another company would inevitably take over the range even if Commodore should fail.

COMMODORE REVEAL A1200 CD-ROM DRIVE IN GERMANY



The new A1200 CD-ROM drive that *Amiga Format* demanded and which Commodore have now supplied.

Bowing to public pressure and exhibiting a certain amount of on sense, CBM have finally revealed a CD^{32}/CD-ROM solution for the A1200. Commodore in the UK had tried to scotch rumours of such a device for several months, claiming that it wouldn't be economically viable. It remains to be seen if the unit will be officially launched by Commodore in this country, or whether A1200 owners will have to rely on grey imports through third-party dealers.

● For the full story, turn to page 24.



When we Said...

That the picture on page 24 of the last issue (with the story Scan This Price) was of the Golden Image Scanner, what we meant was that it was another scanner. This photo shows the real Golden Image Scanner. The AlfaScan Plus 256 grey scale hand scanner with OCR is bundled with Migraph's *Touch Up v3.16, Merge IT* and *Junior OCR* at a special price of £135. Call 081-365 1102.

WIN £250 It's show time!

List the three companies you would most like to see exhibiting new products at the World of Amiga.

1)

2)

3)

Now list three products you would like the manufacturers to provide a Question and Answer forum on:

1)

2)

3)

And finally, in no more than 50 words, ask your own question:

Name

Address

Tel

Rules: No employee of Future Publishing or CBM may enter. The judge's decision is final. The £250 must be spent at the World of Amiga Show, and no alternative prize will be offered.

Send your entry to:

WAS Questions, Amiga Format, Future Publishing, 30 Monmouth Street, Bath, Avon BA1 2BW.

Entries must be in by 1 June 1994.

Well, it's not quite show time yet, but come October and November, there is going to be plenty for you to get excited about.

On Wednesday, October 26, the Future Computing Show takes off for five days at Earls Court 2 in London. "The show is a direct response to the industry's needs and will offer the consumer the opportunity to get hold of technology they have previously only read about," says the show's manager, Chris Down.

Backed by Future Publishing, *Amiga Format* and its sister magazines will be there in force and we'll be letting you know more details on these pages nearer the time.

November is the month for another excellent adventure... The World of Amiga Show at Wembley on 18-20th. Replacing the Amiga Format Live show, the new show has Commodore's official backing and aims to bring the full spirit of the Amiga world under one roof in a huge pre-Christmas bash.



We'll bring you more details about the show in future issues of *Amiga Format.*

Because we know it's going to be good, we're giving 10 readers the chance to win tickets to the show, and one extremely fortunate *Amiga Format* reader the chance to not only get into the show for free, but also to win £250 to spend there.

To enter, just fill in the form on the left and rush it to us at the address shown. You'll see that we ask you to pose a question about the Amiga that you would most like to see answered. The person who comes up with the most thought-provoking question will get to spend the £250, so get thinking!

AF'S NEW ED

Amiga Format editor, Marcus Dyson, has been persuaded by top Amiga games producers, Team17, to leave his large black leather swivel chair in a hi-tech office in the beautiful, beige Georgian city of Bath, to go up to the grey, grim industrial north to be a games co-ordinator.

Rumour has it that the final temptation for his move was the offer of a free copy of *Arcade Pool* [OK, Marcus, that's the last gratuitous plug you get]. "I'm really looking forward to a new challenge," says Marcus, "and playing lots of Team17 games like...[snip]"



It's goodbye from him...



...and hello from him.

Stepping into his not-inconsiderably sized shoes is Steve Jarrett. Steve started his career way back in 1987 on *ZZap!64*, and has since worked on Nintendo and Sega magazines, and at present is editor of Future's *Edge* magazine. "Moving over to the biggest and best computer magazine is a challenge I just couldn't resist," says Steve. Welcome aboard.

Holy cow!

It's a hologram

Creators of 3D images listen up. Do you fancy the chance of getting your creations preserved for ever? And having your work commissioned? And having your work put on video and distributed throughout the Amiga industry? Then The 24Bit Club have just the vehicle for you.

In association with Munday Spacial Imaging, 24Bit are putting together a 3D Holo-Art Competition and are inviting all Amiga owners who use 3D packages to enter their creations for it.

The competition is divided into three categories – Science Fiction/Fantasy, Photo Realistic and Organic/Abstract – and the winner of each will have their entry made into a hologram. However, those who aren't winners don't lose out either, because every entry will be put on to video which will promoted throughout the industry.

For a competition entry form, send a SAE to:

3D Holo-Art Competition, 24Bit Club, 6 Skirsa Square, Floor 1, Glasgow G23 5DW.

Not just another CD



Create all manner of strange effects with Almathera's *Video Creator*.

After two years of production, *Video Creator* has been launched by Almathera. Not just another CD^{32} disc, *Video Creator* enables users to put together special effects synchronised to music from any CD to create individual videos. No other equipment is needed (apart from a video player); and even with a standard CD^{32} you can create quality music videos. If you have the Full Motion Video MPEG board you can also add effects to commercial video CDs.

Video Creator includes over 1,000 images, professional effects, psychedelic colour changes and Random Raves computer-generated videos. It's on sale for £34.95 until June 1 when it goes up to £39.95. For more details call Almathera on 081-687 0040.

Games degree launched

Publishers Domark Software are one of the instigators behind a degree course aimed at wanna-be games programmers. Middlesex University is offering the two year Master of Arts (MA) course in the Design and Production of Interactive Games from September this year, with a BA degree to follow. The degree aims to introduce new talent to the games industry which is: "in danger of becoming stale and tired," according to Russell Ferrier, Domark's Development Manager.

More details are available from Professor John Lansdown, Middlesex University Faculty of Art and Design (081-362 5035).

SPONG! NOT SPONGING

You may have had some difficulty calling Spong!, the *Amiga Format* BBS. This is because Spong! was down for a number of days and also because we printed the wrong number on last month's Letters page. The correct number is: 0225 311647



Now to the point...

In last month's *AF* we reviewed Citizen's ABC printer, awarding it a high-scoring 80 per cent. However, we also said that it was a 9-pin dot matrix printer when it is, in fact, a 24-pin printer. If you need any further information, call Citizen on 0753 584111.

NEWS brief

MANUAL COMES ON-LINE

Covering subjects such as Workbench, *AmigaDOS*, and *ARexx*, The Amiga On-Line Reference Manual from First Computer Centre should be a useful tool to both Amiga beginners and experts. The manual is a collection of AmigaGuide documents covering various subjects. It retails at £17.99. Call First Computer Centre on 0532 319444.

AUTOMATIC FOR THE USERS

Commodore have installed a new automated telephone answering system to give their helpline an efficiency boost. The Interactive Voice Response system works by registering the caller's answers to a chain of questions, and by elimination the caller arrives at the solution they are looking for. Try calling it on 0345 626090.

TALENT ALERT

***Channel Z*, according to Darren Busby, is: "The world's first A1200 disk magazine". And he's looking for talented artists, musicians and programmers to produce work for future issues. Anyone who's interested should write to: Darren Busby, CZWN, 3 Edelston Road, Blackpool, Lancs FY1 3HN.**

ARE YOU A CHAMPION?

Computer Tournaments is a competitive games club offering members the opportunity to battle it out, all in the comfort of their own homes. The club also offers special discounts on games and disks. For info, send an SAE to Computer Tournaments, PO Box 3052, Milton Keynes, Bucks MK13 0QQ.

BUDGET GAMES

Everglade have A500, A500+ and A600 games all priced at £4.99 including post and packaging. For a catalogue, send an SAE to Everglade, PO Box 47, Inverness IV3 5YG, or call 0463 240168.

CHEAPER RANGE

Phoenix have slashed the prices on their Robotics modems range as follows: US Robotics Sportster 14.400, £174.99; 2496, £109.99; Courier Terbo, £449.99 and Courier HST Terbo, £594.99. Call Phoenix on 0532 350091.

FAST MOVERS

Supra have added a even faster modem to their already speedy range. The new SupraFAXModem 288 has uncompressed data speeds of 28,800 bps and a supported fax speed of 14,400 bps. It costs £284.99, and is available from First Computer Centre on 0532 319444.



THE tim Smith COLUMN

HELLO ONCE AGAIN. It appears that my column last month was received with some interest by those Amiga owners lucky (and sussed) enough to have Internet accounts. To set the record straight, there are a vast number of Amiga owners currently making use of the InfoBahn; check out comp.sys.amiga.misc or comp.sys.amiga.advocacy if you can – both of these groups are packed with committed, friendly Amiga users, and up-to-the-minute news and opinion about Commodore's currently rather 'interesting' state.

Getting access to the net isn't as difficult as you might think, I'm sure that if you zing a letter into the ever helpful Messrs Baguley and Veitch, they'll help you out.

BUT NOW ON to more pressing matters. At last the A1200 CD-ROM drive is ready, a thoroughly huge 'about time!' to that one, and it also looks as if the AAA chipset is in to beta-testing. All good stuff. The only fly in the ointment is Commodore's current financial position in the US. Having seen their shares suspended on the New York Stock Exchange, the doom merchants are smacking their lips, and preparing for the death of the Amiga and the downfall of the entire company.

Too soon people. Too soon. Looking at the situation objectively... OK, looking at it from a biased position as an Amiga lover with a little financial experience, the idea that the Amiga may meet its nemesis over the next few months is frankly absurd.

THERE IS NO way in which the Amiga architecture can be killed off. Just this week someone posted a list of famous Amiga users and uses to the Internet. These included users in Australia, Poland, the States, Sweden and more. Despite what the doomsayers would have us believe, the Mac and PC are not 'better' machines that force 'fringe' computers such as the Amiga to live on the periphery with a marginal, minimal user-base and no uses outside of the games industry.

The Amiga is widely used in business, for example there's a Polish magazine called *Amigowiec* that uses A4000s for its DTP; *Robocop*, *Duckman*, *DeepSpace Nine*, *SeaQuest* and other US TV shows and pilots use Amigas, we use Amigas! Many thanks to David Tiberio who provided the Famous Amiga list. You can get the full list from dtiberio@libserv1.ic.sunysb.edu.

Considering that to buy a basic set-up for Apple/IBM's base lever PowerPC/Mac will cost you around £1,900 (for the box, the monitor, the keyboard, enough RAM to make it worth your while and a decent-sized hard disk) and that even then you can't truly multi-task with the damned thing, puts some perspective on the competition.

THERE ARE SEVERAL companies circling over Commodore at the moment, several big names have been mooted as potential saviours, there is even a groundswell of support from the US shareholders to pile in and help out Commodore (well-meaning, but probably pointless). The Amiga will not lay down and die.

As a low-cost, high-productivity machine, the Amiga is both an elegant solution and a viable product. There is no way in which it will be left in the wilderness, so let's be positive about the situation.

Before leaving this piece, let me ensure that you are aware that while CBM might be a little shaky at the moment, Commodore UK is not in a precarious position. Commodore UK are in fact doing very nicely indeed.

Finally, if you want to contact me via EMail in order to insult me, provide some positive feedback or give me some news, my on-line addresses are: timbo@gashead.demon.co.uk. or tsmithb at CiX. I look forward to hearing from you.

THE OPINIONS EXPRESSED HERE ARE NOT NECESSARILY THOSE OF AMIGA FORMAT

GET A LIFE: play more games

The European Leisure Software Publishers Association (ELSPA) continues its battle for the hearts and minds of parents with its backing of a new report on games playing.

The report, written by Dr Julie Rutowska of Sussex University and presented to the British Psychological Society, claims that computer and video games encourage children to behave more sociably since they form the basis of friendships through competitive play.



ELSPA General Secretary Roger Bennett hits back at the bad press about video games being a bad influence for children.

"Computer and video games are the source of great fun and excitement to groups of children," says ELSPA General Secretary Roger Bennett. "Stories of loners are the exception, not the rule."

Less *is* more

If you love the look of hi-res graphics, but don't have a powerful enough Amiga to work with them, then Swerve Video Graphics may have what you need. Swerve's four-disk package includes more than 45 AGA Video/Multimedia backdrops and Pre-Defined palettes and costs £4.75. PD samples of the backdrops are also available. For more details on the full disk set, send an SAE to

Swerve Video, 99 Park Lane, Wednesbury, West Midlands WS10 9PT.

PINKIE'S LITTLE SISTER

13 year-old pop starlet Kelly Smith has been signed up by Millennium Interactive to produce the in-game music for their latest platformer, *Pinkie*. which the company hope will be as big a hit as the *James Pond* games.

Kelly, AKA Little Sister, is also releasing an "interactive" single of the *Pinkie* theme tune which enables listeners to create their own versions of the track. The *Pinkie* single is released in May through Kelly's own Message Music label. We can hardly wait.



Teenage sensation Kelly Smith follows up her Boys Company single with a specially written rendition of the Pinkie theme.

WIN! T-shirts and CDs

As *Microcosm* blasts through the charts, its makers, Psygnosis, are celebrating. And they're not leaving *Amiga Format* readers out of the picture. The launch of this new arcade odyssey is being marked by special edition packs with T-shirts and CD soundtracks, although not on the Amiga.

However, 20 lucky *AF* readers can get their hands on a T-shirt and 20 special edition CD soundtracks by answering one simple question:
Who composed the soundtrack for *Microcosm*?

A) Brian Jones B) Jimi Hendrix C) Rick Wakeman

Send your answer on the back of a postcard or sealed envelope to:
Microcosm: What a blast!, Amiga Format, Future Publishing, 30 Monmouth Street, Bath BA1 2BW.

Closing date Wednesday June 1. Usual rules apply.

MICROCOSM

THIS MONTH'S TOP 30 A500/A600

1.	(1)	Same	Cannon Fodder (Virgin)	FG95%
2.	(-)	New	Man Utd Premier League Champions (Krisalis)	81%
3.	(2)	Down	Frontier: Elite 2 (Gametek)	FG90%
4.	(12)	Up	Liberation: Captive 2 (Mindscape)	80%
5.	(3)	Down	Premier Manager 2 (Gremlin Graphics)	80%
6.	(5)	Down	The Settlers (Kompart)	FG94%
7.	(4)	Down	Skidmarks (Acid Software)	FG90%
8.	(-)	New	Beneath A Steel Sky (Virgin)	FG94%
9.	(18)	Up	Zool 2 (Gremlin Graphics)	FG93%
10.	(6)	Down	Mortal Kombat (Virgin)	74%
11.	(-)	New	Award Winners - Gold Edition (Empire)	10/10
12.	(-)	New	Championship Manager Comp (Domark)	Not Reviewed
13.	(9)	Down	Sensible Soccer 92/93 (Renegade/Mindscape)	80%
14.	(-)	New	Innocent Until Caught (Psygnosis)	67%
15.	(13)	Down	Jurassic Park (Ocean)	70%
16.	(10)	Down	Championship Manager Italia (Intelek)	85%
17.	(7)	Down	Winter Olympics (US Gold)	70%
18.	(11)	Down	The Blue and the Grey (Impressions)	52%
19.	(8)	Down	Championship Manager '93 (Domark)	82%
20.	(19)	Down	The Chaos Engine (Renegade/Mindscape)	FG90%
21.	(14)	Down	Simon the Sorcerer (Adventure Soft)	84%
22.	(15)	Down	Micro Machines (Codemasters)	FG90%
23.	(-)	Re	World Class Cricket (Audiogenic)	78%
24.	(25)	Up	European Champions (Ocean)	73%
25.	(-)	Re	Sim City Deluxe (Infogrames)	Not Reviewed
26.	(20)	Down	Lemmings 2 (Psygnosis)	FG94%
27.	(-)	Re	Combat Air Patrol (Psygnosis)	84%
28.	(21)	Down	Premier Manager (Gremlin Graphics)	87%
29.	(-)	Re	War in the Gulf (Empire)	78%
30.	(-)	Re	European Superleague (CDS)	Not Reviewed

Chart compiled by Gallup

A1200 AND CD^{32} GAMES

Top Ten A1200 Games

1.	Brutal Sports Football (Millennium)	77%
2.	Ryder Cup Golf (Ocean)	FG91%
3.	Sim Life (Mindscape)	86%
4.	Jurassic Park (Ocean)	70%
5.	Star Trek: 25th Anniversary (Interplay)	50%
6.	Civilization (Kompart)	FG95%
7.	Simon the Sorcerer (Adventure Soft)	84%
8.	Alien Breed 2 (Team 17)	80%
9.	Second Samurai (Psygnosis)	9/10
10.	Pinball Fantasies (21st Century)	80%

Top Ten CD^{32} Games

1.	Microcosm (Psygnosis)	87%
2.	Liberation: Captive 2 (Mindscape)	FG91%
3.	The Chaos Engine (Renegade/Mindscape)	FG92%
4.	Nick Faldo's Golf (Grandslam)	82%
5.	Project X/F17 Challenge (Team 17)	84%
6.	Alien Breed Special Edition/Qwak (Team 17)	86%
7.	Sensible Soccer 92/93 (Renegade)	FG93%
8.	Summer Olympix (Microvalue Flair)	46%
9.	Seek and Destroy (Mindscape)	83%
10.	The Lotus Trilogy (Gremlin Graphics)	FG90%

Chart compiled by Gallup

CHART CHAT





DJ, Rob gamesy games playing bloke spins the disks.

BLAM! *MANCHESTER UTD Premier League* shoots straight into the chart this month at number two, dislodging *Frontier* in the process. According to Gallup Krisalis's new footy game is selling so well it could easily knock *Cannon Fodder* off the top pile next month. Not 'arf!

ALSO MAKING ITS chart debut at number five is Revolution Software's brilliant graphic adventure *Beneath A Steel Sky*. Expect to see a complete solution in the Gamebusters pages of *Amiga Format* very soon.

OTHER NEW ENTRIES include *Innocent Until Caught* featuring the bawdy adventures of Jack T Ladd (which is reviewed on page 74 of this issue) and the *Award Winners Gold Edition* which includes no fewer than three fantastic *Format* Gold winning games - *Zool, Jimmy White's Whirlwind Snooker* and *Sensible Soccer*.

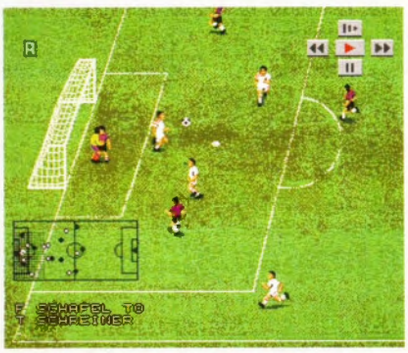
WITH THE IMMINENT arrival of *Sim City 2000*, it's no surprise to see its predecessors *Sim City Deluxe* and *Sim Life* returning in the Amiga Chart. *Graham Gooch's World Class Cricket* also makes a seasonal reappearance, though this may have more to do with England's appalling showing in the West Indies as people rush out to see if they can do any better. Incidentally, Audiogenic are promising an updated floppy version of *World Class Cricket* in the summer with a CD^{32} incarnation following close behind.

WEM-BER-LEY, WEM-BER-LEY

Sports fanatics Audiogenic Software are the latest softies to announce the release of a footy game prior to the World Cup in June.

Wembley International Soccer will be available for A1200 and CD^{32} machines only and offers both overhead and side-on views of the action. The game features 50 international teams, a two-player mode and picture-in-picture screen displays.

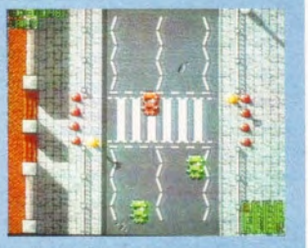
Audiogenic secured the rights to use the Wembley name after three years of negotiations with the stadium's owners and are planning a whole range of sports titles bearing the Wembley name for release later this year.



***Wembley International Soccer* is the first of what Audiogenic hopes will be a string of sports simulations bearing the Wembley name.**

TOP-DOWN RACING FEVER

Frustrated by a lack of publisher interest in their new Amiga games, top coders Arcane Software Developments (ASD) are setting up their own publishing arm – Arcane Entertainment. ASD's first solo project is a top-down racing game called *Turbo Trax*, which is being released in conjunction with Daze Marketing. The game features five different race scenarios - Forest, Desert, Urban, Indy Car and Arctic - multi-directional scrolling, computer-controlled and opponents whose driving prowess ranges from aggressive to downright destructive. *Turbo Trax* is released in May. Contact Daze on 071-328 2762.



***Turbo Trax* is the first game from ASD's new publishing house.**

COMMODO CeBIT 94

THIS WAS THE 18th time Commodore exhibited at the prestigious CeBIT show in Hannover, Germany. Back in 1976 Commodore started out with pocket calculators, in 1977 they showed the first PET, once on the computer trail the company never looked back, always having one of the most exciting stands with products to match.

At this year's press conference Commodore revealed a new policy of only showing products which are close to completion. As a result, there were no work-in-progress or vapourware announcements, although there was still plenty to get excited about.

THOSE FIGURES...

First the bad news. The figures for the financial year 92/93 are disappointing as the worldwide turnover shrunk to £407 million resulting in a £245 million loss. However, the turnover in Germany alone at £187 million confirms Germany as the most important market.

"Commodore has had high profits for far too long and got used to high expenses," said Alwin Stumpf, the boss of Commodore Germany. The losses were blamed on the recession in Europe where Commodore traditionally sold 80 per cent of its worldwide production. Other contributing factors were said to be the abandoning of their PC range - which sold well in France - and the fall of European currencies against the dollar.

On the positive side these cost-cutting measures resulted in drastic expenditure savings of over 60 per cent worldwide, including a 50 per cent staff reduction. In Germany alone the staff has shrunk from over 500 to about 50 employees today. And over the last two years the six Commodore manufacturing plants have been concentrated in one big factory in the Phillipines.

All this completes the cost-cutting phase and commences the restructuring. Commodore renegotiated conditions with its suppliers, and Stumpf singled out Motorola as being the most understanding. All this gave Commodore some freedom and made it more attractive to investors.

THE AMIGA HOLDS STRONG

The positive figures have already been recorded during the first two 93/94 quarters in Germany which, together with the UK, are the two most profitable Commodore subsidiaries. Commodore International also has £21 million in capital. During this period the Amiga was the big profit maker while the losses were mainly from the PC which, according to Stumpf, was carried by Amiga for too long.

Since their introduction a year ago, 15,000 A4000 and 115,000 A1200 machines were sold in Germany alone which resulted in many software houses returning to the Amiga. Even though at 25,000 units sold the CD^{32} is not as successful as hoped, it can claim about 50 titles which, according to Stumpf, only now begin to show the CD^{32}'s full potential with games such as *TFX* and *Microcosm*.

MPEG took off with a bang as there are already some 30 movies in the CD format. There are also more than 1,000 Karaoke titles.

Commodore are going 'back to the roots' – for now just in Germany – by licensing Commodore's name to other companies for products such as typewriters and telephones, both of which were shown.

FAREWELL C64

And some sad news. It appears the C64 will be discontinued next year. The demand is still there and Commodore can continue to sell it for between £44 and b£50 and make profit, but the 5.25-inch drive is just getting too expensive to produce. The external floppy disk drive costs more than the machine so, reluctantly, Commodore are forced to bid farewell to the beloved C64.



The AD-3000 card in operation. This is part of a Personal Animation Recorder system from DSP allowing real time video capture direct to a custom hard drive.

The Commodore peripheral that nearly everyone has been waiting for.



ROOT OF THE RUMOURS

Stumpf also cleared up some rumours such as the Sony takeover. This started when a German television interviewer suggested that the CD^{32} would be a good product for Sony. The same goes for a RISC-based Amiga.

Commodore are continually talking to people about working together, but Stumpf reiterated that the Amiga will never turn into an MS-DOS compatible. Regarding other operating systems he did not dismiss them in the long run, but added: "Unix has cost this company dearly and we are, for now, cured from this virus...".

Refusing to comment on the A5000 or the new AAA chips, Stumpf said Commodore will be showing new products before the year is out. That may mean the Autumn WOC show in Cologne, Germany, which is now awaited with even more anticipation.

HOW MANY BITS IN CeBIT?

A lot! Contrary to popular belief the largest electronic show in the world is not CES or COMDEX, but CeBIT in Hannover, Germany. Celebrating its 40th anniversary this year the show welcomed a new record of 675,000 visitors with a total of 5,733 exhibitors from 52 nations.

Spanning eight days, CeBIT is held at the legendary Hannover exhibition grounds. These grounds are so big that they have their own train station, internal bus service and - for tired journos - a fleet of complimentary journalist taxi vans.

The number of halls increases every year, 25 at last count, some of them multiple football fields in size and several floors high. CeBIT is so successful that for the duration a hotel room in Hannover can't be had for love nor money because all big companies book complete hotels for the following year before they leave.

RE AT

TAKING A STAND

The large video wall beaming out an assortment of presentations dominated the Commodore stand as well as most of Hall Seven. The stand itself was roughly divided into two parts. One side sported scores of Amiga CD^{32}s running assorted newly-released games, while the opposite side showed the A4000T and the eager awaited A1200 CD-ROM. This is also where numerous third party companies showed off their wares.

CD^{32} was presented as a 'video, music and game machine', backed up by the first public showing in Germany of the MPEG module which turns the CD^{32} into a video player. This was demonstrated with a European release of Paul MacCartney's new video *Paul Is Live - In Concert*. In addition to the usual VHS release, this video is one of the first to simultaneously come out on Compact Disc.

The MPEG module allows for up to 74 minutes of video on a CD. It conforms to the White Book standard, making Amiga CD^{32} the first to comprise all current aspects of CD-ROM technology: music, video and games.

The module, priced at around £200, slides into the back of the CD^{32} which then recognises the CD type automatically. Sporting 1.5Mb of VRAM the device uses the C-Cube chip for MPEG decoding.

Commodore's confidence in the CD^{32} was shown in a head-to-head comparison. A CD^{32}, a Sega CD and a Commodore-PC 486/33 with a CD-ROM all ran *Microcosm* with CD^{32} inching in front of the PC and leaving the Sega in the dust.

A solitary A4000T hiding under the table was quite hard to spot. A side panel made of clear plastic revealed the insides of this high-end video computer running *DOS 3.1* and *KickStart 40.70*.

The A4000T comes with a 25MHz 68040 and 6Mb of RAM expandable to 16Mb on board and 2Gb using cards. There is room for five Zorro II or III cards, two video slots, three PC/AT slots and the 200-pin processor slot. The machines comes with both IDE and SCSI-2 controllers the latter being of 16-bits wide SCSI variety.

As standard, the A4000T supports both PAL (European) and NTSC (American) video signals. The A4000 is currently getting a lot of publicity in Germany where Commodore sponsor the *SeaQuest DSV* television series. A touch-screen display demonstrated how various effects were created for the show, 40 per cent of which were done with the A4000.

Also shown was the latest Commodore bundle, Clip Maker, including an A1200, genlock and software. Aimed at the semi-professional and home user, it contains everything needed for cutting, titling, and creating various video effects. Clip Maker is available now for £720.

LET'S PARTY

Third parties also concentrated on Amiga video applications. Eureka from Holland (010 31 463 70800) presented The Communicator, a serial interface between CD^{32} and any Amiga, with MIDI thrown in for good measure. It plugs into the CD^{32}'s keyboard connector providing a through socket and making CD^{32} appear to the Amiga as an external CD-ROM. CD^{32} can then be controlled from other programs, used to play audio or MPEG tracks, and even view AGA video images.

Scala, the popular presentation program, already has an EX module for it. Priced at £100 The Communieator is available now.

Eureka also showed Afterburner, the first 50MHz 4000/30 accelerator, and Photo Lite CD, a £60 CD used to view PhotoCDs on a CD^{32} or any CD-ROM equipped A1200 or A4000.

> "Commodore's confidence in CD^{32} was shown in a head-to-head comparison with a Sega CD and a PC with CD-ROM all running *Microcosm*."

Delta Concept from Germany (010 49 2159 968830) showed a video post production editing system. *Computer Aided Video Editing* (*CAVE*) is a software/hardware interface which support Sony (Control-L), Panasonic and PC-VCR connectors. *CAVE*, priced at £220, requires at least 1Mb and Workbench 2.0. Digital Processing Systems from the US (UK number: 0252 718300) exhibited new PAL versions of their professional line up.

DR-3150 is a DSP Personal Animation Recorder card which plugs into a Zorro slot and records/plays back video in real time from a hard drive. The complementary AD-3000 card performs real time video capture storing typically between 3-5 minutes of video on a 500Mb HD. In Germany, DR-3150 goes for DM 5,750 (£2,300) and AD-3000 for DM 3,000 (£1,200).

VillageTronic from Germany (010 49 506670130) showed their legendary Picasso II graphic card. The helicopter animation demo has to be seen to be believed. The card, priced at £260, supports freely selectable Workbench resolutions of up to 1600 x 1300 pixels, comes with assorted program drivers and includes a copy of the *TVPaint Junior* painting program.

GVP from the US (0101 215 3378770) need no introduction. Exhibiting through their German representative, DTM, they presented a number of products. EGS-28/24 Spectrum is a high-performance 24-bit card going way beyond AGA. TBC+, or Time Base Corrector, is a digital video processing card including true colour digitiser. For speed freaks the Turbo+ accelerator comes in 40MHz and 50MHz versions.

Finally on a lighter note, we all know the obnoxious 'Intel inside' advertising campaign where certain computer manufacturers proclaim their inferiority by attaching the aforementioned sticker to their machines.

German Amiga and Atari fans quickly turned this around by using identically designed 'Intel OUT-side' stickers on their machines. This led to a hilarious moment when one such sticker on a A4000 was spotted by a couple of Intel 'suits'. They complained to a Commodore person at hand to the loud guffaws and general merriment among the surrounding Amiga fans which only made matters worse, or should that be funnier...

ALWIN WHO?

You may well ask, but Alwin Stumpf, the current boss of Commodore Germany, is one of the most experienced Chief Executive Officers in the industry. He made his name with the C64, by his own admission a computer still close to his heart.

However, when the Tramiel family left Commodore and bought Atari, Stumpf, like most other European Commodore chiefs, followed suit. This group defection caused one of the more acrimonious legal skirmishes between the two companies.



Stumpf was also responsible for the runaway success of the ST in Germany, but after many happy years there he parted company with the Tramiels, and Atari, in 1992. He then promptly returned to Commodore where his magic touch has already given Commodore a big lift.

Alwin Stumpf – Chief Executive Officer of Commodore in Germany.



The new TBC+ from GVP is a full digital video processing card.



This two monitor setup is GVP's total solution for video work. Hopefully they'll put the lid back on before they use it.

When Commodore launched the CDTV it looked like they were ready to lead the CD software revolution from the front. When they announced the CD32, they took that lead. But when they went on to say that an A1200 CD drive wasn't planned, even faithful advocates of the Amiga began to look at other machines. Now, in a shock move, Commodore have revealed the machine to keep the Amiga where it deserves to be – out in front! Don Maple was there to see CD1200 unveiled, Marcus Dyson examines why Commodore changed their minds...



The Amiga 1200 CD-ROM drive gives CD32 compatibilty to owners of Commodore's entry level home computer. Despite eagerly anticipating the unit, UK users will have to wait until the Autumn to get their hands on the machine

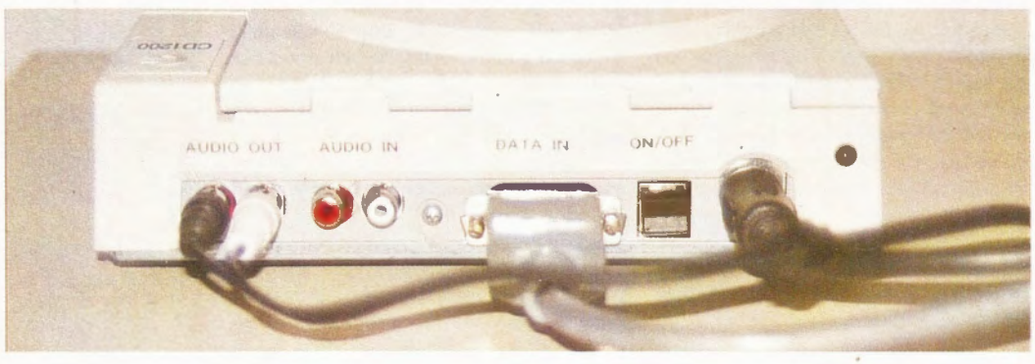
STOP THE RE WE WANT

THE BIGGEST NEWS at the CeBIT '94 show was the first public showing of the external CD-ROM drive for the A1200 which was introduced as 'the CD32 expansion for the A1200'. This was obviously a last minute decision since the press pack contained no information about it . It turns out the device shown was indeed a prototype, although the A1200 CD-ROM is expected to be in shops in Germany by the end of May at around DM 500 – which points at a £199 price in the UK.

The A1200 CD-ROM is identical in appearance to the CD32 drive except that instead of the CD32's wolf-black, it's colour-matched to the A1200. The CD1200 connects to the A1200 through the expansion port underneath the A1200. An interface module is plugged in and the CD-ROM connects to it with a cable which is threaded through the expansion port under and behind the floppy drive. The whole interface set-up is proprietary and supports the fast throughput needed to access the drive. The power to the CD-ROM comes from a separate power supply. Since the expansion slot is occupied, no turbo cards or other expansions can be plugged in.

A SIMM socket on the CD-ROM will take extra memory, most likely a 4Mb card. The drive contains the AIKIKO chip for full compatibility with the CD32. AIKIKO converts PC chunky and Amiga planar colour modes. How, or for that matter if, the MPEG module will connect to the A1200 is unclear, since its expansion slot is already occupied. It appears that 'at this time' MPEG will not be feasible although 'with constant miniaturisation' it might be possible to integrate the MPEG module in future models of the A1200. This speculation, although plausible, has not been confirmed.

Otherwise, the CD1200 drive's specs match those of the CD32. This means it's a double-speed multi-session drive. CD32 games do run on the A1200 with the CD-ROM



The back of the CD1200 reveals an Audio pass through, so that the Amiga's internal sounds can be augmented by CD soundtracks. The unit takes power directly, and has a separate on/off switch.



THE HISTORY OF AMIGA CD

AUGUST 1990 - ISSUE 13 Speculation about Commodore's rumoured CD-based Amiga CD is put to an end when the company announce the CDTV at the CES (consumer Electronics Show) in Chicago.

SEPTEMBER 1990 - ISSUE 14 Support for CD^{32} looks promising as Graham Brown-Martin, charman of Next Technology states, "Commodore has stolen a march on the rest of the industry with CDTV and has a real opportunity to become market leader."

NOVEMBER 1990 - ISSUE 16 CDTV arrives, or sort of. Commodore place 1,000 machines in UK homes to test audience response. The sales launch is planned for February 1991 and Commodore claim that 100 titles will be ready by this time. *Amiga Format* publishes an extensive feature on the titles that are ready so far.

JULY 1991 - ISSUE 24 CDTV finally arrives, months late, at a cost of £599. *Amiga Format* brings the world the first feature on the unit, and concludes that it is the quality of the software which will seal the machine's fate. Commodore promise an A500 CD-ROM drive by September.

JUNE 1992 - ISSUE 35 The A570 (still known as the A690) finally makes an appearance, price £300. *Amiga Format* secures five to give away in a competition.

FEBRUARY 1993 - ISSUE 43 As part of our Future Amigas feature, we posit the theory that Commodore are developing a CD-based games console featuring the then new AGA chipset. Our artists impression is so close to the truth that Commodore begin a worldwide investigation of their subsiduaries to discover who leaked the secret to us. in reality it was ex-MD of Commodore UK, Kelly Sumner.

SEPTEMBER 1993 - ISSUE 50 CD^{32} arrives! We publish specs and interior photographs while other magazines make do with Commodore press shots.

OCTOBER 1993 - ISSUE 51 We give away a 20-page full colour CD^{32} supplement.

MAY 1994 - ISSUE 59 We launch Amiga CD^{32} magazine.

VOLUTION TO GET ON!

attached, although some incompatibilities have been spotted. A few of the newer CD^{32} games appear to dislike the A1200's Fast RAM expansion on a PCMCIA card! Once the PCMCIA card is removed the games run without problems. This points to a possible bus contention or even a bus overload. It remains to be seen how this problem can be solved. But since PCMCIA RAM is only 16-bit, and it actually slows down an A1200, these cards are not common, and the CD1200's SIMM sockets allow for alternative memory expansion.



At CeBIT, the CD-ROM drive was controlled with what appeared to be a preliminary version of *AmigaDOS 3.1*. The new DOS has CDFileSystem, thus both CDTV and CD^{32} drives are supported.

With Commodore claiming to have a CD^{32} drive for the Amiga 4000 machines 'by the end of 94' it's only a matter of time before all Amigas can join the CD revolution. The extra expansion capability of the big box machines means that A4000 CD drives will have Full Motion Video (FMV) compatability built in.

The CD1200 got its UK debut on April 10th at the ECTS (European Computer Trade Show). It was placed in the corner of the busy Commodore suite unheralded, unattended and apparently unloved.

Commodore's UK MD David Pleasance made much of the fact that the CD1200 was not, and never would be, Full Motion Video capable. Mr Pleasance is a great advocate of FMV, and he has stated several times, including within this magazine, that he would not be happy to market a unit that was not capable of running video CDs.

It is unclear whether the decision to put CD1200 on sale in the UK is something Mr Pleasance is happy about, or whether he is working under instructions from Commodore International in the US. Whatever the case, CD1200 was not given the fanfare it deserved on its first UK airing and rather than rushing the product on to the market to meet the clamouring demands of A1200 owners, Commodore UK are giving a September on sale date.

Our readers have been inundating the office with letters demanding an A1200 CD^{32} drive since Mr Pleasance's comments in Issue 57 implied that Commodore would not be launching a non-FMV compatible unit. If the CD1200 does go on sale in Germany in May, as stated at the CeBIT show, it is very likely we will see 'grey' imports of the machine on offer in the UK very shortly afterwards.

When pushed on Commodore's secrecy about the unit, especially when it was being sought after by so many A1200 owners, Mr Pleasance would only say: "We have to have some secrets." However, he conceded: "I know many people will be very pleased to hear about the planned launch of this product".

CD1200 is the most recent, and the most eagerly-awaited, in a series of launches that establish the Amiga as the finest home computer in the world.

WHAT TO EXPECT FROM CD SOFTWARE

Marcus Dyson asks the important question: now CD1200 is here, what can we hope to run on it? Here he comes up with some very encouraging answers...

MOST OF THE software titles currently available for Amiga CD are games. There's a simple reason for this – the only successful Amiga CD machine so far has been the CD^{32}, and it is a games console.

The CD^{32} comes with neither a mouse nor a keyboard, but most non-games software needs both of those peripherals. In fact, in our sister magazine *Amiga CD^{32}*, I personally wrote a damning review of *The Games and Goodies* series of discs for claiming to be CD^{32} discs, when in fact they required both the aforementioned items of hardware. While I stick to my guns – they are useless to your average CD^{32} owner – for CD1200 users they will be superb discs.

There are a great many similar CD Public Domain software collections from *CDPD* itself through to the excellent *17-Bit Collections* compiled by Almathera. These discs, which were originally aimed at CDTV (with keyboard/mouse) owners offer a superb collection of software to CD1200 owners at the drop of a hat, and all for a bargain price. With the advent of the CD1200 we can expect to see these discs offering more Workbench 2 and 3 and AGA software.

As for applications software, there are no clear indications of what to expect. Even in the Mac and PC markets, where CD has had a bit of a head start on 'serious' machines, applications developers have still not quite figured out what to do with CD-ROM.

One clue might come from Virtual Reality Labs. The company behind *Distant Suns* (reviewed on page 117 of this issue) have released a CD-ROM version of *Vista Professional*. The disc contains not just the program itself, but also *Terraform* – a landscape sculpting package, *Makepath* – a *Vista* animation tool, and masses of DEM files. DEMs or Digital Elevation Models are data files that allow *Vista* to render not just random fractal landscapes, but scenes from the real world too. All previous versions of *Vista* have included some DEM files, but the CD version has oodles of them, even including scenes from the planet Mars and the Alps.

This process of supplying applications software on CD with support files can be expected to extend to programs such as DTP and word publishing packages, which could come complete with large font and clip art collections on disc. 3D programs could be supplied with a huge range of textures and objects. Programs could even ship with on-disc interactive tutorials.

But for now, games are the staple of the Amiga CD market, and there's nothing wrong with that. Just wait till you've tried *Skidmarks* CD^{32} with its 256-colour track and increased number of tracks and cars, or *Arcade Pool* CD with its sampled pub ambiance. The CD game playing experience really is a step further on from its floppy disk based counterpart. And we've only just begun.

At present, CD games are often just floppy ports, but as Christmas '94 approaches we can expect to see an increasing number of CD specific games. Psygnosis' *Microcosm* has shown the way, and if we get games on a graphical par with that, but with the playability of *Hired Guns*, *Skidmarks* or *Cannon Fodder* we are certainly in for a good time... no. Make that a great time!

***Microcosm* from Psygnosis: although it left something to be desired in the playability stakes, it has set the standards all other Amiga CD games have to match.**



YES, BUT IS THERE ANY SOFTWARE?

There's no denying it, CD^{32} software took a while to arrive. But now it's flowing, and it's flowing fast. There are already over 50 titles available, and some 200 more are in development. The arrival of CD1200 can only serve to increase the number of new CD titles appearing in the coming months. This list is just titles that are due to be released in the first half of this year.

OUT NOW

1	Alfred Chicken	Mindscape
2	Alien Breed SE/Qwak	Team 17
3	Arabian Nights	Krisalis
4	Brutal Football	Millennium
5	Bubba 'n' Stix	Core Design
6	Castles 2	Interplay
7	Chambers of Shaolin	Grandslam
8	Chuck Rock	Core Design
9	D/Generation	Mindscape
10	Dangerous Streets	Flair
11	Deep Core	ICE
12	Defender of the Crown 2	CBM
13	Dennis	Ocean
14	Diggers	Millennium
15	Disposable Hero	Gremlin
16	Fire Force	ICE
17	Fire & Ice	Renegade
18	Fly Harder	Krisalis
19	Global Effect	Millennium
20	Grolier's Encyclopedia	Grolier/CBM
21	Guinness Disk of Records	Guinness
22	IK+	System 3
23	Insight Technology	Optonica
24	James Pond 2: Robocod	Millennium
25	Labyrinth of Time	Electronic Arts
26	Liberation: Captive 2	Mindscape
27	Lionheart	Thalion/Extender
28	Lotus Turbo Trilogy	Gremlin
29	Microcosm	Psygnosis
30	Nick Faldo's Golf	Grandslam
31	Nigel Mansell	Gremlin
32	Ninja 3	System 3
33	Now Games	MultiMedia Machine
34	Now Games 2	MultiMedia Machine
35	Oscar	Flair
36	Overkill/Lunar-C	Mindscape
37	Pinball Fantasies	21st Century
38	Pirates Gold	Microprose
39	Prey	Almathera
40	Project X/F17 Challenge	Team 17
41	Ryder Cup Golf	Ocean
42	Seek & Destroy	Mindscape
43	Sensible Soccer	Renegade
44	Seven Gates of Jambala	Grandslam
45	Summer Olympix	Microvalue Flair
46	Super Putty	System 3
47	Trivial Pursuit	Domark
48	Trolls	Flair
49	Whales Voyage	Flair
50	Wing Commander	Electronic Arts
51	Zool	Gremlin

COMING SOON

1	Alien Breed 2	Team 17
2	American Football	Plattsoft/CBM
3	Arcade Pool/Superfrog	Team 17
4	Baldy	Creative Edge
5	Battle Chess	Interplay
6	Beavers	Grandslam
7	Brutal Soccer	Millennium
8	Bubble & Squeak	Audiogenic
9	Caesar Deluxe/Cohort 2	Software Inspiration
10	Cannon Fodder	Virgin
11	Captain Dynamo	Codemasters
12	Chaos Engine	Renegade
13	Cartoon Collection	Codemasters
14	Connoisseur Fine Art	Lacelles
15	Dark Seed	Cyberdreams UK
16	Dennis & Gnasher	Alternative
17	Desert Fighter	System 3
18	Dizzy Collection	Codemasters
19	Donk Special Edition	Supervision
20	England World Cup 94	Grandslam
21	Euro Champ Football	Ocean
22	Evasive Action	Mindscape
23	Exile	Audiogenic
24	Fire and Ice	Renegade
25	Flimbo's Quest	System 3
26	Frontier: Elite 2	Gametek
27	Fury of the Furries	Mindscape
28	Genesis (prov title)	Microvalue Flair
29	Golden Collection	Microvalue Flair
30	Gulp!	ICE
31	Gunship 2000	Microprose
32	Herewith The Clues	Domark
33	Humans 1 & 2	Gametek
34	Incoming	Millennium
35	Inferno	Ocean
36	James Pond 3	Millennium
37	Jurassic Park	Ocean
38	Legacy of Sorasil	Gremlin
39	Liverpool Football	Grandslam
40	Lost in Eden	Virgin/Cryo
41	Lost Vikings	Interplay
42	Magicland Dizzy	Codemasters
43	Man Utd Premier League	Krisalis
44	MegaRace	Mindscape/Cryo
45	Myth	System 3
46	No Second Prize	Thalion/Extender
47	On The Ball	Daze
48	Overdrive/Assassin SE	Team 17
49	Premiere	Code Design
50	Putty Squad	System 3
51	Reunion	Grandslam
52	Rise of the Robots	Mirage
53	Sabre Team	Krisalis
54	Second Samurai	Psygnosis
55	Simon the Sorcerer	Adventure Soft
56	Skeleton Krew	Core Design
57	Wembley Soccer	Audiogenic
58	Soccer Kid	Krisalis
59	Speedball 2	Renegade
60	Super Loops	Audiogenic
61	Super Methane Brothers	Thalion/Apache
62	Super Stardust	Daze
63	Surf Ninjas	Microvalue Flair
64	TFX	Ocean
65	Total Carnage	ICE
66	Tracksuit Manager 94	Alternative
67	Turrican 3	Renegade
68	Ultimate Body Blows	Team 17
69	Uridium 2	Renegade
70	Video Creator	Almathera
71	World Class Cricket	Audiogenic
72	Zool 2	Gremlin

THE MICRO ADVENTURES OF...

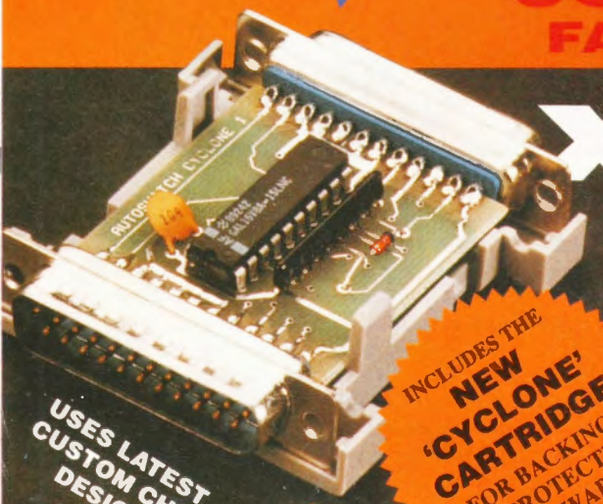
SAM IGA



"...BY THE TIME I REACHED THE SCENE, THE DISCS HAD BEEN 'RUBBED OUT'... THERE WAS ONLY ONE THING TO DO. CALL 'SIREN SOFTWARE' FOR EXTRA BACKUP!"

TELEPHONE 061-724 7572

FAX 061-724 4893



USES LATEST CUSTOM CHIP DESIGN

INCLUDES THE NEW 'CYCLONE' CARTRIDGE FOR BACKING UP PROTECTED SOFTWARE

X BACKUP PRO

X-Backup Pro is the most powerful disc backup utility available for the Amiga, BUT DON'T TAKE OUR WORD FOR IT... *CU Amiga Magazine, July 1993*

"IT'S UNBEATABLE."

'a veritable bargain at just £39.99'
Amiga Computing, September 1993

'fast, flexible and reliable'
Amiga Computing, September 1993

£39.99

+ £1 postage & packing

THIS PRODUCT MUST NOT BE USED TO INFRINGE COPYRIGHT.

Unlike other disc backup utilities, X-BACKUP PRO is totally automatic and extremely simple to use. It is fully compatible with ALL AMIGA computers.

- Will backup virtually any disc onto another disc.
- Full hard disc backup.
- File management facility.
- Optimise, formats, repairs, verifies.
- Includes the 'AUTOSWITCH' CYCLONE cartridge. Simply plugs into the external disc drive socket at the rear of the Amiga, and plug your external disc drive into the back of the CYCLONE cartridge for unbeatable disc backup power. An external disc drive is required for use with the CYCLONE cartridge. These are available from us priced £54.99.

FULL MONEY BACK GUARANTEE.
If you can find a more powerful disc backup utility, we will give you your money back.



NEW DESIGN WITH FPU OPTION

Verdict 85%

A1200 4Mb memory expansion with clock.
32 bit wide auto configuring Fastram.
Zero wait state allows the A1200 to run at full speed.
Increase the speed of the computer by 219%
Battery backed clock keeps the correct time and date even when the A1200 is switched off. New state of the art design.
Simple trapdoor installation

£179.99

SPECIAL OFFER

Deluxe disc drives
Whisper quiet. Slimline design. Suits any Amiga. Cooling vents. Sleek, high quality metal casing. Quality Sony/Citizen drive mechanism. On/Off switch and throughport at the rear of the drive. Full 880K capacity. Long reach connection cable.

CYCLONE COMPATIBLE

£54.99



HARD DISK DRIVES

40Mb	£124.99	210Mb	£339.99
60Mb	£149.99	256Mb	£379.99
85Mb	£174.99		
120Mb	£214.99	**Please phone 061 724 7572**	
170Mb	£259.99	**for prices of 20Mb drives.**	

Add £289.99 for A1200 fitted with above drives.
Our 2.5" hard drives for the Amiga A1200/A600 offer speedy access times and come complete with fitting cable, screws, full instructions. They are pre-formatted and have Workbench already installed for immediate use. Fully guaranteed for 12 months.
FREE FITTING SERVICE TO PERSONAL CALLERS.



SUPERB VALUE FOR MONEY

Order **NOW** for immediate despatch
Tel. 061 724 7572 Fax 061 724 4893
Telesales open 9am – 6pm Monday-Friday
Access/Visa accepted
Send a cheque/Postal order or credit card details to:-
Siren Software, Wilton House, Bury Rd, Radcliffe, Manchester M26 9UR England

Government, Education and PLC orders welcome.
All prices include VAT at the current rate. Postage and packing will be charged at £3.50 per order (U.K.), £7.50 Europe, £12.50 rest of world.
Please note that 5 working days must be allowed for cheque clearance. Immediate clearance on Building society cheque or Bank Draft.



IMPROVED SOUND QUALITY

Soundblaster
The SOUNDBLASTER is a 10 watt stereo amplifier that comes complete with high quality 3 way speakers, power supply and FREE STEREO HEADPHONES!
The SOUNDBLASTER adds a new dimension to games playing, imagine stunning stereo sound effects, crystal clear samples and terrific stereo tunes. The SOUNDBLASTER also boosts games playability!
The speakers are powerful 50 watt 3 way units featuring a 3" woofer, 2" honker and a 1" tweeter to provide a powerful crisp sound.

£44.99

WE'VE GOT WHAT YOU NEED

SIREN SOFTWARE

Wilton House,
Bury Rd,
Radcliffe,
Manchester
M26 9UR
England

Sending private messages should be an absolute right, but electronic snooping means your E-mail is not as safe as it should be. Chris Cowan looks at software that ensures your secrets stay that way and reveals why the FBI don't like it.


Even your E-mails could be subject to surveillance.

A SECRET *Service*

THE SECRET SEVEN used invisible writing, but if you want to guard an Amiga text file from prying eyes, you need something called *Pretty Good Privacy (PGP)*.

Pretty Good Privacy is a Public Domain public key cryptographic program that provides authentication and also secrecy by scrambling text files in an instant and which also lets you send E-mail that only the recipient can read.

PGP is available for the Amiga, UNIX machines, PCs, VMS/VAX, and Atari ST and is the standard tool on the Internet for ensuring the privacy of your E-mail.

Cryptology is the science of secure communications, which usually means secret communications. Because much of the terminology comes from the time when only written messages were being made secret, the source information, even if it is computer data, is called plaintext.

A key is used to change the plaintext into an unreadable jumble of symbols called ciphertext. The key is a rule for replacing a letter, word or phrase with another object, and the key is secret known only to the sender and receiver. This process of changing plaintext into ciphertext is called encryption or encipherment. The process of changing ciphertext back into plaintext is called decryption or decipherment.

There are two more terms that need defining: cryptography and cryptanalysis. Cryptography is the study of the theories and techniques of encrypting then decrypting information with the secret key. Cryptanalysis is the science or art of recovering information from ciphers without knowing the secret key. Cryptology is a catch-all term describing both cryptography and cryptanalysis.

Julius Caesar had one of the earliest secret codes or ciphers. In it letters of the alphabet were substituted with another letter three places along, so the letter A was replaced by D, the letter B by E, and so on.

If Julius Caesar wanted to send the following message in code the plaintext version would be:

FORGOT TO BUY AMIGA FORMAT, CAN I BORROW YOURS?

Which in ciphertext would read:

IRUJRW WR EXB DPLJD IRUPDW FDQ L ERUURZ BRXUV

In retrospect, Julius might have been better off trying to find out what Brutus was up to than borrowing *Amiga Format*. He should have taken out a subscription. But encrypting messages plays as important a part in modern industrial and political intrigue as it did in the various shenanigans of the Roman Empire. Perhaps your company has industrial secrets, or you are a member of an environmental or political group which deals with sensitive information, or it may be that you just want to keep your E-mail from prying eyes.

For many businesses being first in the marketplace means the difference between success or failure. New product information leaking out can be of great benefit to competitors, but using a security system such as *PGP* on files protects them.

Most people assume that E-mail and files stored on their computer are of no concern to anyone else. You would be wrong. A survey in *Mac World* in August 1993 said that 21 per cent of employers admitted checking on employees by looking through work files and/or E-mail. And, in January 1990, Alana Shoars, an E-mail administrator, was dismissed by Epson America shortly after complaining that the company was invading employees' privacy by monitoring their E-mail .

If you send personal E-mail it travels through a number of computers to finally be placed on someone's private machine. Any system through which the mail travels can copy the message. You ensure confidentiality by secure encryption of the contents, but who might read your E-mail?

Most invasions of privacy is casual, by crackers and system administrators dipping into your E-mail messages. But there are also professionals whose job it is to eavesdrop and to intercept communication. MI6 has allegedly read all telegrams out of Britain since the turn of the century and later when telexes appeared they were also monitored. There is no reason to believe that public computer networks are not monitored in the same way.

There was a fad at one time on the Internet to have 'spook fodder' appended to the end of postings to newsgroups. This

FBI TELEPHONY ACT

The FBI Telephony Act was first proposed in May 1992 but was subsequently defeated in Congress. The Bill, an amendment of the 1934 Communications Act, stated: 'Providers of electronic communications services and private branch exchange [PBX] operators shall provide within the United States capability and capacity for the Government to intercept wire and electronic communications when authorised by law.'

The reason behind the Bill was that the FBI had become worried they wouldn't be able to extract individual telephone calls that use digital technology from multiplexed signals on fibre optic telephone lines.

Although the bill appears to refer to digital telephony it actually applies to all forms of communication since a provider of electronic communications would include telephone companies, any business with a PBX, Bulletin Boards, Internet, cellphone and pager companies. This means voice, E-mail, faxes, and pager information is targeted.

Under the proposals manufacturers of telephone hardware have to provide some way of making tapping undetectable without a degradation of service and all at their own cost. Businesses would have to replace their PBXs with new, tappable, ones, and telephone companies would have to install new exchanges. Failure to comply would result in a $10,000/day fine.

In the US, in 1991, there were 856 phone taps, 356 by the FBI, and 500 by local police forces. There were also 7,000 incidents of law enforcement organisations being allowed access to billing information about telephone numbers dialled. Out of 138 million telephone lines in the US this means just 8,000 were tapped.

It makes you wonder why it is necessary for the whole telephone system to be changed for so few interceptions. Couldn't the FBI find another way to listen to the subjects under investigation? However, the Bill is far from a dead issue, and it is due to be reintroduced later this year.

was just a series of keywords that the National Security Archive and GCHQ would probably be looking for. The idea was that if everyone did this it would make it infeasible to monitor E-mail. An example of spook fodder could include:

—— BEGIN SPOOK FODDER——
kill, bomb, maim, clinton, major, semtex, ak-47, heathrow, heathrow, heathrow, plot, conspiracy
—— END SPOOK FODDER ——

The big weakness with spook fodder is that if the keyword is your name or E-mail ID then the Government will still be able to pick your E-mail out of the noise.

You may think that this is just a little paranoid and assume that the Government have better things to do than monitor your mail. You may argue that it is unlikely that you will answer the door one day to find a bloke from Special Branch holding a copy of an E-mail message that says John Major is dull and useless, and who asks: "What's all this then?".

You may be right, although a man in America allegedly had the Secret Service call at his door with a copy of an E-mail message he had sent suggesting that the world would be a much better place if someone killed the President .

At present the US National Information Infrastructure, or Information Superhighway is being set up, based on the latest hi-tech fibre optic communications systems. Its aim is to allow every American access to on-line information, Government databases and commercial services. There is an awareness of the need for confidentiality on this future network.

On 16 April 1993 the US National Institute of Standards and Technology (NIST) announced a proposal for an encryption standard called Skipjack or Clipper. The standard is used for non-classified communications whether they take the form of voice, facsimile, E-mail or computer files. AT&T (American Telephone and Telecommunications) have agreed to include Clipper chips in all their new secure telephone products. With the US Government and large firms like AT&T supporting it, Clipper will become a widely used, cheap standard.

However, Clipper includes a backdoor called the LEAF or Law Enforcement Access Field. This allows the police, FBI, NSA and other such organisations with a court order to get the secret key and decode whatever has been encrypted.

Some people think Clipper is a bad idea. It was designed by the NSA, so they can probably decode it and have a track record of not asking permission. Not everyone trusts the US government when it comes to privacy, primarily because of the FBI Digital Telephony Act (see the box on the facing page).

How does *PGP* compare to Clipper? A problem with Clipper is that the actual encryption method is secret and no-one is allowed to see it. This is in contrast to *PGP* which has the source code included in it so anyone can see how it works and in which people have been encouraged to try to find any weaknesses. *PGP* is widely recognised to be one of the most secure encryption systems.

A few words of warning. *PGP* is not something to mess around with if you don't know what you are at. Once you encrypt something it stays that way unless you have the secret key, so read the users' guide. Start with volume one – the Essential Topics – and continue through the Special Topics guide. Both are pretty interesting and both contain some useful information. If you have access to the Internet have a look in alt.security.pgp.

There are key servers on the Internet to which you can mail your public key. You only need to send it to one as they automatically replicate it to all the others. There are two in the UK:
pgp-public-keys@demon.co.uk and
pgp-public-keys@pgp.ox.ac.uk

PGP is the standard Internet E-mail encryption tool. It enables you to send secure E-mail and allows post to the Internet newsgroups to be authenticated because only you could have signed it. *PGP* is secure even from people with a Cray supercomputer and nothing better to do than pry, if you use the longest key length and make sure that you keep your pass phrase secret.

HOW IT WORKS

***PGP* stores the timings between keystrokes in a buffer and uses the 128-bit value for generating random session keys. This key is used in the IDEA cipher (a Swiss block cipher) to encipher the plaintext.**

IDEA is considered to be a particularly secure system because it uses a 128-bit key. The recipient's public key is used to encrypt the IDEA session key and this is sent along with the ciphertext.

For example, if Roger encrypts a message using Betty-Jo's public key he cannot decide later to decrypt it and add another paragraph, only Betty-Jo can now decrypt the message. Roger either has to create a second file and send both or edit the plaintext, encrypt that file and then send it.

When Betty-Jo receives the ciphertext she has to use her secret key to decrypt it. The secret key is stored encrypted for security reasons, a pass phrase is needed to decrypt it. That way if someone got hold of it, as long as they don't know the pass phrase, he or she would not be able to use it.

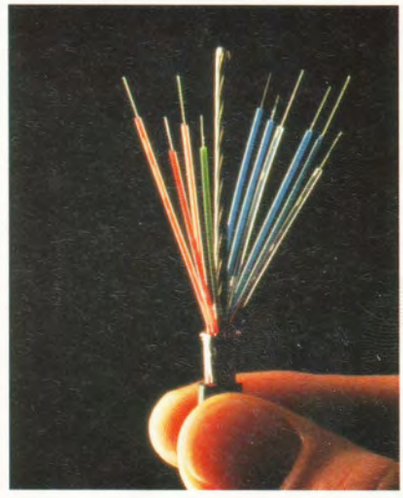
The secret key is encrypted with the IDEA cipher and when the pass phrase is entered it is put through MD5 (a message digest algorithm which generates 128 bits of data regardless of the length of the input data) to generate the IDEA key to decrypt the secret key.

MD5D is also used in *PGP* for signing plaintext. The 128-bit fingerprint of the plaintext is encrypted using the secret key to provide a 'signature' since only the owner of the secret key can encrypt the fingerprint. This is a faster method than signing the entire plaintext and provides authentication since it is not feasible to produce different plaintext that has the same fingerprint and therefore shows that the plaintext has not been tampered with.

BELOW: The Enigma machine, was used by the Germans in World War 2 to transmit orders in a supposedly unbreakable code. However, a group of thoroughly clever mathematicians lead by Alan Turing managed to crack the code, so the Allies could read the German orders within a few hours of them being transmitted.

BELOW RIGHT: The FBI want to get their hands on fibre optic communications.





HOW TO GET HOLD OF PGP

If you are into comms and would like to get hold of the Amiga version of the *PGP* program, we have made it very simple for you. All you have to do is log on to *Amiga Format*'s own BBS, Spong!, and download the archive containing the complete program and documentation.
Contact Spong! on 0225 311647.

PHOENIX COMPUTER WORLD

Free FAST! UK DELIVERY • SAME DAY DESPATCH* • All prices INC. VAT

COMPUTER WORLD-WORKING TOWARDS BRITISH STANDARD BS 5750 FOR QUALITY & SERVICE



WATCH OUT FOR THIS MONTH'S BIG PRICE REDUCTIONS!

US ROBOTICS SPORTSTER MODEM ONLY **£174.99**

SHARP SJ-144 ONLY **£359.99**

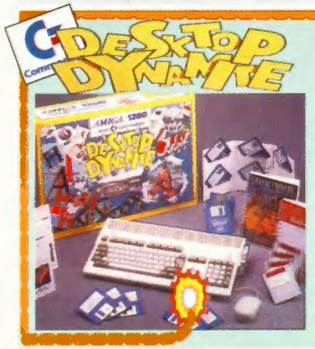
CANON BJ-200 JUST **£239.99**

PLUS MANY MORE!!

LOOK FOR THE SPECIAL REDUCED (R) SYMBOLS

Commodore SPECIALISTS

Canon · GVP · CITIZEN · HEWLETT PACKARD · Panasonic · ALPHA DATA · Star MICRONICS · LOGITECH · SONY · GVP · CITIZEN · HEWLETT PACKARD



COMPUTER WORLD PROVIDING YOU WITH THE BEST SERVICE & RANGE

THESE PACKS ARE OFFICIAL DESKTOP DYNAMITE PACKS with built-in hard drives (except base pack) and backed by an official full 1 years on-site warranty with ICL, one of the UK's leading computer maintainence contractors!

PACK INCLUDES... A1200 • Wordworth V2.1 (AGA) Amiga Format Gold • Deluxe Paint 4 (AGA) Oscar (AGA) • DENNIS (AGA) • and Digitas's print manager.

- **Base Pack(No HD) £329.99**
- **80Mb HD .. REDUCED! £479.99**
- **127Mb HD REDUCED! £527.99**
- **200Mb HD REDUCED! £574.99**
- **340Mb HD.. NEW! £719.99**

When buying any AMIGA add £19.99 and get the...

CHAOS PACK!

INCLUDES: The Chaos Engine · Nick Faldo's Championship Golf · Pinball Fantasies and Syndicate!

RRP £125.99 **Only £19.99**

A 600 THE WILD, THE WEIRD & THE WICKED

Software titles: Deluxe Paint III • Formula One Grand Prix • Putty • Pushover

£194.99

NEW COMPUTER COMBAT & INNOVATIONS

Inc. Total Carnage (AGA), Brian the Lion (AGA), Z00L 2 (AGA), Wordworth (AGA), Print Manager (by Digita) Day By Day (Filofax Organizer) Personal Paint 4.

Based on the 1200 with optional Built in hard drives (CCI packs are backed by 12 month on site warranty from ICL, one of the UK's leading computer maintenance contractors)





- **Base Pack (no HD)...£329.99**
- **80 Mb HD £479.99**
- **127 Mb HD £527.99**
- **200 Mb HD £574.99**
- **340 Mb HD £719.99**

Race in Chase

- **Base Pack** No Hard Drive **£289.99**
- **80Mb HD** REDUCED! **£432.99**
- **127Mb HD** REDUCED! **£479.99**
- **200Mb HD** **£527.99** REDUCED!
- **340Mb HD** NEW! **£672.99**

Based on the A1200 with optional built-in hard drive, Race 'n' Chase packs are backed by an official 12 month on-site warranty from ICL, one of the UK's leading computer maintenance contractors!

ALL PACKS INC. NIGEL MANSELL & TROLLS!

AMIGA 4000

The 4000-030's & 040's are powerful, packed with features and represent excellent value for money.

ALL AMIGA 4000's now come with Deluxe Paint IV (AGA) Wordworth V2 (AGA) and Wordworth Print Manager! Unbeatable value for money!

4000-030EC (desktop) 25MHz 68030 EC

HD	CHIP RAM	FAST RAM	PRICE
130Mb	1Mb	1Mb	...£979.99
130Mb	2Mb	2Mb	...£1079.99
214Mb	2Mb	4Mb	...£1179.99
540Mb	2Mb	4Mb	...£1471.99

4000-040LC (desktop) 25MHz 68040 LC

HD	CHIP RAM	FAST RAM	PRICE
214Mb	2Mb	4Mb	...£1619.99
525Mb	2Mb	4Mb	...£1864.99

4000-040TW (SCSI Tower) 25MHz 68040 TW

HD	CHIP RAM	FAST RAM	PRICE
214Mb (IDE)	2Mb	2Mb	...£1962.99
525Mb(SCSI-II)	2Mb	4Mb	....£2256.99
1Gb(SCSI-II)	2Mb	4Mb	...£2551.99

All come with a 24hour on-site-response maintenance guarantee from ICL, one of the UK's Largest computer repair contractors.

4000 ACCESSORIES

- 1Mb 32bit-SIM.....£45.99
- 2Mb 32bit-SIMMS.....£84.99
- 4Mb 32bit-SIMMS...£159.99
- 8Mb 32bit-SIMMS...£349.99
- 68882 25MHz Fpu.....£74.99
- 68882 33MHz Fpu.....£94.99
- 68882 40MHz Fpu...£124.99

A1200 HARD DRIVES UPGRADES

COMPUTER WORLD offer a FREE fitting service in store for Hard Drives to the A1200/A600. Ask for Steve or Chris

This Service is available seven days a week. Add £20 for additional warranty (only available from date of original purchase if proof of purchase is supplied). This service has already proved popular with hundreds of COMPUTER WORLD customers.

All 2.5" IDE Hard disks offer fast access time and supplied by leading companys like Western Digital/Seagate. Pack includes cable screws and software. 1yr warranty on all models!!

- **34Mb**-ideal starter size- ...£99.99
- **60Mb**..... (R) £149.99
- **85Mb**..... (R) £179.99
- **120Mb**.....£219.99
- **220Mb**..... NEW! £249.99
- **252Mb**..... NEW! £319.99

11 m/seconds access time, lightning quick

PCMCIA FAST RAM EXPANSION

- 2Mb.....£114.99
- 4Mb.....£169.99

NEW GVP A1200 ACCELERATORS NEW

GVP A1230 VERSION 2

FOR THE 1200 Runs at 40 and 50Mhz, up to 32 Mb of 60ns RAM, optional 50Mhz fpu, has a battery backed clock, has a new feature connector allowing easy addition of warrnty safe upgrades,(the first upgrade will be a SCSI controller) is also a 16-bit sound sampler, with direct to hard disk recording and video modules.

CLOCK SPEED	RAM	FPU	PRICE
40MHz	0Mb	-	....£244.99
40MHz	4Mb	-	....£439.99
40MHz	4Mb	68882	..£537.99
40MHz	8Mb	-	...£634.99
50MHz	0Mb	-	....£369.99
50MHz	4Mb	-	....£564.99
50MHz	8Mb	-	...£762.99

A1230 v.2 SCSI module £79.99

HAWK-A1200

RAM BOARD & ACCELLEREATOR

NEW

1. Battery backed clock 2. Two year warranty 3. Upgradable to 8Mb with 32-bit simms 4. Option to add f.p.u.

POSSIBLE CONFIGURATIONS

RAM	FPU	PRICE
1Mb	--	£97.99
1Mb	20MHz (68882)	£147.99
2Mb	--	£126.99
2Mb	33MHz (68882)	£194.99
4Mb	--	£194.99
4Mb	20MHz (68882)	£244.99
4Mb	40MHz (68882)	£294.99
8Mb	--	£384.99
8Mb	40MHz (68882)	£479.99

HARD DRIVES

FOR THE A500/500+

GVP IMPACT SERIES II Hard Drives, the fastest Hard Drive/Controller for the Amiga. Features Game Switch, external SCSI port, FAAASTROM SCSI Driver, GVP's custom VLSI chip and internal RAM expansion up to 8 meg! Using high spec fast-access QUANTUM Hard Drives with 2 yr. guarantee.

500/500+ HD8+

- HD8+ 42 Mb £194.99
- HD8+ 80 Mb £249.99
- HD8+ 120 Mb ...£299.99
- HD8+ 213 Mb £564.99

HD8 controller only£179.99

BOOST YOUR AMIGA'S PERFORMANCE WITH EXTRA MEMORY - £44.99 PER Mb

SHARP TV/MONITOR

1. 14" Remote Control colour T.V. + monitor. 2. Infra-red remote control. 3. On Screen display for colour and volume adjustment. 4. On/off timer, flash back feature. 5. 40 channel programme memory. 6. Connect to computer for Amiga via RGB scart socket. Scart cable included.

CW PRICE £189.99

MEMORY

A 500+1Mb.....£39.99

Expand to 2Mb using trapdoor expansion port. Boards have 2 yr replacement guarantee.

A 500

- ½ Mb inc. clock.....£29.99
- ½ Mb no clock £19.99

A 600

- PA 601-populated-1Mb.....£44.99
- PA 6020 PCMCIA cards
- 2Mb...£114.99 4Mb...£169.99

3.5" DISKS

Don't confuse these quality disks with others currently available. 3.5" 100% certified error free 70% clip. All disks inc. FREE quality labels.

10.....	£4.99	25.....	£12.99
50.....	£22.99	100.....	£39.99
200.....	£72.99	500..	£174.99
750...	£259.99	1000..	£339.99

Now in stock! TDK branded 3.5" DS DD diskettes boxed in 10's with labels. Top quality media from the experts!

10.....	£5.99	50.....	£28.99
100.....	£52.99	500..	£249.99

1000 CW Disk Labels.....£9.99

MONITORS

STOCKS GOING FAST DON'T BE DISAPPOINTED!

PHILIPS 8833 MK II COLOUR MONITOR STAR BUY

Computer World have reserved the last batch of this outstanding Philips monitor, widely regarded as the best value for money screen for the Amiga. This is positively your last chance to buy.

STOCK IS AVAILABLE 12th JUNE 1994

ORDER PROCEDURE

1. Phone telesales where your order will be logged and your details taken.
2. You will then be given a unique reservation number.
3. Your order details will be filed, BUT no money will be debited until the day of despatch.
4. We will contact you prior to despatch to confirm that your order is still required

WHAT YOU GET...

PHILIPS 8833 MKII CGA 14" Full Colour Monitor • 1 year on-site warranty • FREE connecting cable ADD £4.99 for dust cover ADD £10.00 for monitor stand.

ALL FOR....£239.99

COMMODORE 1084.....£209.99
14" Monitor Ideal for A500/500+600/1200 • 1 year warranty. Add £10.00 for monitor stand

COMMODORE 1942.....£339.99
14" Monitor Ideal for A1200/4000, AGA, 28mm Dot Pitch, Tilt 'n' swivel stand, Built-in Stereo Speakers, Works with ALL Amigas in most resolutions, 1 years warranty.

MICROVITEC

Cubscan 1440.....£404.99
14" 0.28mm Dot Pitch, CRT 15-40Khz with digital memory sizing.

Autoscan 1438.....£299.99
14", 0.28mm Dot Pitch, 15-38Khz MPR2 compliant (suitable for all Amigas) No Sound, add £29.99 for speakers

MONITOR ACCESSORIES-

- 14" dust covers.....£4.99
- 14" tilt & swivel stand.....£13.99
- Anti-glare filter screen.....£19.99
- A4 copy holder.....£12.99

MULTI-MEDIA

Computer world are a major stockist of rombo's multi-media products for the Amiga and P.C. Be assured that we offer extensive technical backup on all Rombo products and that the majority are on demo in our showroom.

Vidi Amiga 12 RT....£139.99
Real-time colour capture from any video source with AGA support ...IN STOCK NOW!

Vidi Amiga 24 RT....£214.99
24-Bit Real-time colour capture from any video source for the professional/serious user with AGA support ...IN STOCK NOW!

Vidi Amiga 12 (AGA version)
.....£71.99

Rendale Genlock 8802 FMC
IN STOCK NOW! £169.99

AMIGA CD32

SPECTACULAR VOYAGE

NOW INCLUDES SIX GAMES 1) Microcosm 2)The Chaos Engine 3)Dangerous Streets 4)Wing Commander 5) Diggers 6) Oscar

CD-32 ONLY £294.99

FEATURES: A4 size footprint, 2Mb 32-bit graphics, 128K flash memory (storing scores), built-in workbench, Plays audio CD's.

- Microcosm.....£39.99
- Unbelievable release!
- Liberation.....£29.99
- FMV Module.....£194.99

FMV FILMS-

- Top Gun.....£14.99
- Naked Gun 2½.....£19.99
- Pandora's CD - Over 500 Mb of Sound, Clip Art and Animation on one feature packed CD!
.....£4.99

3.5" DISK DRIVES

All drives feature super slim design, enable-disable switch, thru port and come with a 1 year replacement guarantee!

Amitek External Slimline Drive.....£56.99
Slimline Anticlick and virus checker I year warranty (inc. Sony Mechanism)

Amitek Internal Drive £49.99
For Amiga 500 and 500+

Disk head cleaner £3.99

JOYSTICKS

All Joysticks are fully micro-switched unless stated.

- Saitek Mega Stick.....£14.99
- Zipstick.....£14.99
- Scorpion+.....£14.99
- Scorpion Junior.....£9.99
- Competition Pro 5000...£14.99
- Competition Pro Clear...£14.99
- Competition Pro (Mini)...£18.99
- BUG (Green).....£14.99
- Konix Analogue.....£14.99
- Cruiser Black.....£11.99
- Gravis Amiga Game Pad £19.99

ACCESSORIES

FOR THE A1200

- A1200 real-time clock £13.99 incl. 1 yr warranty & rechargable battery
- A1200/600 HD prep disk £3.99
- Control Centre (Inc. FREE cables).....£36.99
- Dust Covers £5.99
- Multi-Sync Monitor adaptor cable.....£12.99

PROBABLY THE NORTH OF ENGLAND'S BEST AMIGA SUPER STORE

PROBABLY THE NORTH OF ENGLAND'S BEST AMIGA SUPER STORE

COMPUTER WORLD PRINTER CENTRE

THE NUMBER 1 CHOICE FOR VALUE & SERVICE

HEWLETT PACKARD

H.P. Colour 310.....£259.99

H.P. Mono 310.....£224.99

Inc. the official HP colour kit & mono cart.

Optional Cut Sheet Feeder for the 310.....£49.99

HP Deskjet 520 Quicker & quieter than the 510 **.....£249.99**

NEW! NEW! NEW! NEW!

HP Deskjet 560 Colour.....

£479.99



SPEC 600 x 300 dpi, 80k Buffer 3pages per min. 100 sheet feeder

HP Laserjet 4L..£602.99

SPEC 4 ppm. laser easy to install & use • no on/off switch. 1 tray 100 input 50 output. 26 scalable typeface's, Max of 2Mb.

star MICRONICS

Ask telesales about Star Prestige Coverplan

LC-100 (Col-9PIN)..... REDUCED!	£124.99
LC24-100 (Col-24PIN).... REDUCED!	£129.99
LC-24-20 II (MONO-24PIN) NEW!	£159.99
LC24-30 (Col-24PIN)... REDUCED!	£199.99
LC24-300 (Col-24PIN).... REDUCED!	£249.99
XB24-200 Col.....	£379.99
SJ48 Bubblejet.....	£219.99
LS-5 Laser... REDUCED!	£499.99

Dual Bin, 0-5 Mb GREAT VALUE!

LS-5ex Laser.....	£639.99

as above with 1Mb 600x300 dpi.

LS-5TT Laser.. REDUCED!	£684.99

as above with 2Mb

SJ-144..... REDUCED!	£359.99

A stunning thermal printer. Full 360 x 360 dpi, in both mono and colour, 3 ppm in mono, 1.4 ppm in colour. Can print up to 600cps. CPS Sheet feeder as standard, virtually portable printers, small footprint. Zoom mode to offer easy printing in A4 A5 and A6 sizes. NOW ON DEMO IN-STORE!

CITIZEN SUPER DEALER

ABC 24 — *"A printer for everyone that can be used by anyone"*

SPEC 1. 24 PIN printer 2. 80 column 3. New Citizen Easy start software 4. 192 cps draft cps letter quality 5. LQ fonts including 2 scalable. 6. 50 sheet auto feeder as standard.

ABC Mono.....£142.99

ABC Colour...£162.99

Swift 90 Colour £159.99

9 PIN printer, fast, quiet, additional fonts, 2 yr warranty & v2. driver disk

Swift 240.... R £219.99

Colour printer with 2 yr warranty & v.2. Amiga driver disk

Swift 200 Col..£189.99

Colour printer with 2 yr warranty & v.2. Amiga driver disk

Canon

MAJOR DEALER

CANON BJ 10Sx ..... R £184.99



SPEC Fast print times, more fonts, 95% Amiga Gold, inc. BJ10 Sx Driver Disk!

CANON BJC 600 ..... R £534.99

SPEC (Colour) 360 dpi New print control for non banding solids • Fast dry inks that don't blur or mix • Online Black ink for true black on same page • Prints on plain paper, OHP film special papers and envelopes • Epson/IBM emulation + Canon advanced drivers • Built in 100 sheet autofeeder • Auto cleaning.

CANON BJ 200 ..... R £239.99

SPEC 95% Amiga Gold Features include: 300 dpi. • Min 80 page Auto sheet feeder • minimum 3 pages per minute

CANON BJ 230..... R £319.99

Wide carriage version of BJ200

CANON BJ 300...£429.99

80 column bubblejet laser quality output.

CANON BJ330...£499.99

136 column bubblejet

ESSENTIAL ADD-ONS

HEWLETT PACKARD HEWLETT PACKARD

Official double life HP Black ink cartridges.....£24.99

Official double life HP Colour ink cartridges.....£29.99

Canon Canon

BJ 10 dust covers...£5.99

BJ 200 dust covers..£5.99

BJ 10 ex/sx ink cartridges £17.99

BJ 200 ink cartridges £24.99

BJ C 600 ink cartridges (each).....£9.99

Autosheet feeder £49.99

For BJ 10 ex/sx

CITIZEN CITIZEN

Printer Stand.....£7.99

Dust Cover.....£5.99

Mono Ribbon.....£5.99

Colour Ribbon....£13.99

Autosheet feeder....£79.99

star MICRONICS star MICRONICS star MICRONICS

SJ-144 CARTRIDGES

Pack of 3 Mono.....£26.99

Pack of 3 Colour.....£26.99

AUTO SHEET FEEDERS

LC20.....£57.99

LC200.....£59.99

LC24-200.....£62.99

LC24-20.....£62.99

SJ48.....£49.99

COMPUTER WORLD PRINTER PACK SUPPLIED WITH ALL PRINTERS

1) 1.8m std. printer cable. 2) 250 sheets of Top quality paper. 3) Authorised Amiga Driver disk.

PRINTER BUYERS GUIDE

When buying a printer for your system it's always wise to check the dealers credentials first.....

1. Are they OFFICIAL UK dealers?
2. Are they on demonstration in store?
3. Do they supply OFFICIAL printer drivers?
4. Do they supply everything you need for immediate operation ie printer cable, paper etc.?
5. Can the dealer supply the authorised consumables
6. Will the dealer be able to offer after sales service?

COMPUTER WORLD answer yes to all the above questions, that is why we sold thousands of printers to Amiga owners in 1993 by offering expert advice, prompt delivery along with excellent after sales support.

COMPUTER WORLD are officially supported by CITIZEN, CANON, HEWLETT PACKARD, and STAR.

LEADS & CABLES

Midi-Midi 2m..	£3.99	Disk Drive ext	£9.99
Midi-Midi 3m..	£4.99	Mod. ext....	£9.99
Midi-Midi 5m..	£5.99	Amiga-Scart...	£9.99

Mouse/Joystick ext.....	£4.99
Mouse/Joystick splitter...	£4.99
Serial/Modem cables.....	£4.99
Amiga-Multisync.....from	£9.99
Amiga-Microvitec.....	£9.99
Amiga-CPC monitor.....	£9.99
Amiga-RGB/TV.....	£9.99
SCSI Cable various.....	£9.99
Amiga-8833MkII.....	£9.99
Joystick long ext.....	£4.99
Printer 1.8m.....	£5.99
Printer 2.0m HQ.....	£7.99

MODEMS

U.S. ROBOTICS 5 YEAR WARRANTY

AUTHORISED RESELLER

MASSIVE REDUCTION! THE SPORTSTER

14,400 EXT 93% Amiga Gold Award Inc. Opticomms 2 & standard modem cable. Top rated essential purchase (and are fully BABT approved)

93% Gold Award

.....£174.99

THE SPORTSTER 2496 + FAX (Baby brother of the above) £109.99

Includes opticomms 2 software, std. modem cable. Cut down version of the above Sportster - but still fast and superb value!

WHY IS SPEED SO IMPORTANT?



Courier V32 bis+fax.£389.99

Includes opticomms 2 and std modem cable.

Courier HST Dual 16.8 +Fax ..... REDUCED! £519.99

Includes opticomms 2 and std modem cable.

Courier Terbo. REDUCED! £449.99

Includes opticomms 2 and std modem cable.

Courier HST Terbo NEW! £594.99

Inc. 5 yr. warranty opticomms 2 and std modem cable. These modems are very fast, connected to another Terbo will give you a max speed of 21.6 or 14.4 if connected to any other modem.

Approved for connection to telecommunications systems specified in the instructions for use subject to the conditions set out in them

MICE/TRACKBALLS

GOLDEN IMAGE

Mega Mouse 2.....£12.99

400 Dpi (Direct replacement for Mega Mouse 1)

Optical Mouse.....£29.99

High precision pointing device

Crystal Trackball.....£37.99

Infrared Mouse.....£47.99

Cordless and rechargeable top selling innovation.

Optical Pen Mouse...£29.99

8mm mouse Mats.....£3.99

Auto Mouse/Joystick Switch £15.99

Don't damage your Amiga's ports! This device saves wear and tear, and makes switchover *FAST*.

ACCESSORIES

TV modulator (For the A500/500+) ..... NEW! £29.99

Amiga power supply unit....£39.99

Premier Control Centre.....£34.99

For the A600,A500 and A500+

DATA SWITCHES-(25 pin D type)

2 way.....**£15.99** 3 way....**£17.99**

4 way.....**£19.99**

Connecting Cable for the above..£9.99

Action replay cartridge.....£54.99

For the A500/500+

Hi-Fi Stereo Speakers.....£39.99

Dust Cover A500/500+.....£5.99

Dust Cover A1200.....£5.99

Dust Cover A600 .....£5.99

SCANNERS

FLATBEDS

Epson scanners offer the ultimate in flexibility, technical specification and value for money. For more information call 0532-350091 and ask for the Epson info line.

GT 6500 REDUCED! £589.99

GT 6500 SCSI..£789.99

GT 8000.....£999.99

GT transparency adaptor £479.99

GT document feeder

For automated O.C.R...**£729.99**

Art Department Pro Scanner Software Compatible with GT 6500, GT 80000, 6000 and E5300C, E5600C, E5800C.....**£104.99**

SCANNERS

HAND HELD

Power Scanner 4 (mono) £119.99

With a new interface this handscanner produces 256 greyscale images on AGA machines, will scan in 64 greyscales, (non-AGA AMIGA can only display 16 colours) add colour to greyscale images or add text to scans.

Power Scanner 4 + OCR £159.99

GOLDEN IMAGE - ALFA SCAN £139.99

Scan and Save • Migraph Jnr. OCR software • 400 dpi • 256-Grayscale • Not A1200/4000 compatible.

ALFA SCAN.....£169.99

Touch up an merge it • Migraph Jnr.OCR software • 400 dpi • 256-Grayscale • 100% compatible with all Amigas.

AMIGA MUSIC

Pro-Midi 2 Interface ..... ONLY £24.99

NEWLY CONFIGURED pro quality midi interface is very flexible. It has four ports 1 in, 2 out, and 1 thru (inc. FREE midi lead)

GVP Digital Sound Studio+ £64.99

'MIRACLE' KEYBOARD REDUCED £249.99

It really does teach you how to play!!! Full size keyboard with built in MIDI interface • 100 onboard sounds with effects • ability to customise lessons by use of artificially intelligent software!!

BOOKS

We stock the best range of Bruce Smith books

Mstr. Amiga DOS 3 Ref A-Z	NEW!	£21.95
Mstr. Amiga DOS 3 tutorial	NEW!	£21.95
Assembler Insiders guide...	NEW!	£14.95
A1200 Next Steps.....	NEW!	£14.95
Little Blue Workbench.....	NEW!	£4.95
Mstr. Amiga DOS Vol 1.....		£21.95
Mstr. Amiga DOS2 Vol 2.....		£19.95
Mstr. Amiga DOS3		£19.95
Mstr. Amiga W.B. 2.....		£19.95
Mstr. Amiga Printers.....		£19.95
Mstr. Amiga System.....		£29.95
Mstr. Amiga AMOS.....		£19.95
Mstr. Amiga AREXX.....		£21.95
Mstr. Amiga Beginners.....		£19.95
A600 Insiders Guide.....		£14.95
A1200 Insiders Guide.....		£14.95

SOFTWARE

ACCOUNTING

Arena Accounts.....£82.99

Personal Finance Manager Plus £29.99

Money Matters.... NEW! £39.99

System 3E.....£54.99

Cashbook Combo.....£54.99

FRACTAL SFX & IMAGE PROCESSING

Vista Pro 3.....£49.99

Vista Lite (Cut down version uses less memory) NEW! £54.99

X-CAD 2000 .....£99.99

Video Back up £56.99

Pixel 3D Pro.....£99.99

Can Do v.2..... NEW! £99.99

Make path for Vista.....£32.99

Art Department Pro v2.5 new version.....£134.99

Art Dept Pro Conv Kit..£57.99

Deluxe Paint 4 AGA.....£69.99

Morph Plus.....£149.99

Adorage..... NEW! £69.99

Helm ..... NEW! £89.99

Montage 24.....£279.99

INTERGRATED PACKAGES

Mini Office..... NEW! £39.99

Gold Disk Office 3.....£49.99

LANGUAGES

Blitz Basic v2 ..... NEW! £56.99

Amos 3D.....£25.99

Amos Professional.....£39.99

Amos Pro Compiler £28.99

Easy Amos.....£25.99

Cygnus Ed Pro 3.5.....£74.99

Hisoft Basic.....£39.99

Hisoft Extend.....£16.99

Hisoft Dev Pac.....£59.99

Hisoft Pascal.....£64.99

Lattice C v6.5..... NEW! £269.99

WORD PROCESSING & DTP

Wordworth v3.... NEW! £89.99

Pro Text 6..... NEW! £94.99

Wordworth v2 (aga)....£44.99

Final Copy Release 2.2.£69.99

Pen Pal 1.5 .....£29.99

ideal for single disk system!

Final Writer (AGA).....£99.99

Pro-Page v4.0.....£89.99

Pagestream v2.2.....£69.99

Pagestream v3.....£279.99

Soft Faces Vol 1-4.....£59.99

Soft Clips.....£42.99

Turbo Print Pro v2.0 ..£36.99

Kindwords.....£24.99

MUSIC & SOUND

Deluxe Music Construction v2 .....£69.99

Bars & Pipes Pro v2...£224.99

Kits for Bars and Pipes (various) £39.99

Super Jam v1.1.....£79.99

The Patchmeister.....£62.99

Triple Play Plus.....£164.99

SyncPro.....£184.99

AMAS 2.....£74.99

Clarity 16.....£114.99

Quartet.....£39.99

Stereo Master.....£29.99

Megamix Master.....£29.99

Techno Snd Turbo 2 .....£36.99

The Music Librarian.....£29.99

Meglo Sound.....£29.99

UTILITIES

Video Back up £56.99

P.C. Task.....£39.99

Cross Dos v.5 (with PC emulator) £29.99

GB Route Plus.....£36.99

Directory Opus v4.0.....£49.99

Gigamem..... REDUCED! £49.99

Quarterback Tools Deluxe £98.99

Quarterback v6.... NEW! £52.99

X-Copy Professional....£29.99

VIDEO PRODUCTION & TITLING

Clarissa (AGA)..... NEW! £74.99

Pegger ..... NEW! £74.99

Adorage (AGA)..... NEW! £74.99

Big Alternative Scroller v.2 .....£59.99

Broadcast Titler 2 Hi-res £174.99

Font Pack 1 for BT2...£86.99

HOW TO ORDER

TO ORDER BY PHONE: 0532 350091

Quoting your Credit Card No.

VISA EUROCARD SWITCH Delta Electron Card Welcome MasterCard Access

For Customers not able to visit our Showroom we offer one of the fastest and most complete mail order services available.

STANDARD DELIVERY (4-5 days) FREE

Next day delivery only £6.00 • 2 day delivery £5.00

BY POST TO:

PHOENIX COMPUTER WORLD, UNIT 2, YORK TOWERS, 383 YORK ROAD, LEEDS LS9 6TA.

Please make cheques payable to Phoenix. Allow 5 working days for cheque clearance.

*Same-Day Despatch on Credit Card Orders/ bankers draft/ building society cheque/Postal orders.

FAX: (0532) 350702

HOW TO FIND US

WELL WORTH A VISIT!



FREE PARKING

800 SQ.FT. SHOWROOM

EASY ACCESS FROM M1 AND M62

OPEN 7 DAYS Sat. 9.30 am - 6.00 pm Sun. 11.00 am - 3.00 pm Thurs 'late till eight'

E&O.E.* All sales subject to our terms and conditions of business, prices can vary either up or down. Please confirm current price when ordering

THE GREAT AMIGA FORMAT VOUCHER OFFER



US Robotics Sportster 14,400 modem from Siren Software

Telephone: 061-724 7572
£100 discount

With comms becoming increasingly popular, a modem is high on every serious Amiga user's shopping list. Just think of all that lovely free software, and all that easily available information that could be at your fingertips.

There's no better modem for home use than the *Format* Gold-scoring US Robotics Sportster. It comes with a five-year warranty and BABT approval, which speak volumes for its reliability and quality. We use US Robotics modem in the *Amiga Format* office, and there's no higher recommendation than that.



Stereo Soundblaster amp and speakers from Siren Software

Telephone: 061-724 7572
£10 discount

Everyone knows that the Amiga is a great graphics workhorse, but its inherent musical capabilities are often overlooked. That may be because people usually hear the Mig through the puny cones of a 1084's speaker, or even worse, a portable TV. But it doesn't have to be that way.

Just imagine what *Skidmarks* would sound like if your Amiga had its own dedicated amplifier and 50 watt 3-way stereo speakers. Like you had a Harley in your living room. That's what! That's rock and roll! And that's what you get with Siren Software's Soundblaster.



Lightrave/Lightwave 3D from Ramiga International

Telephone: 0690 770304
£70 discount

When we reviewed this software, giving it a hugely massively large (big) 98 per cent, we said that it was expensive, but worth it. Think how much more worth it it will be if you get an equally huge £70 off the price! In the review we went on to say how it was our favourite piece of Amiga software ever, and advised the selling of vital bodily organs to raise cash to buy it. If you missed our review of it in Issue 58, get a copy now!

The amazing 3D package which created *Babylon 5* and *Seaquest DSV* is now £70 nearer your purchasing power.

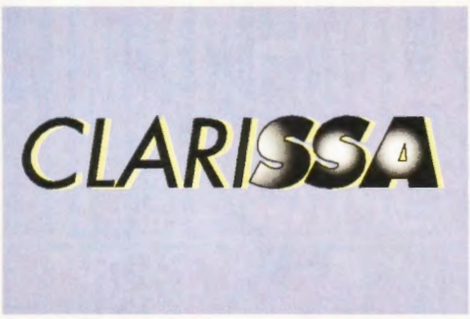


Games, from Special Reserve

Telephone: 0279 600204
10 per cent discount

Most games are usually pretty expensive. But imagine a club where for a modest membership fee you could save loads of money on all the latest games releases, and on a pretty impressive back catalogue. That would be a really special offer in its own right. But now imagine also getting 10 per cent off the price of the first game you buy from that club.

The club is Special Reserve, see their advertisement on pages 8 and 9 of this issue to discover how great their prices are. Then get yourself a membership and save pounds.



ClariSSA from Burgess Video Group

Telephone: 0874 611633
£25 discount

Putting together animations can be a long and laborious task. But with a package like *ClariSSA*, it suddenly becomes a whole lot more manageable. With the power to change pallette with every frame, a play-back rate optimised for 25 frames a second and a built-in Amiga screen grabber, *ClariSSA* is every Amiga animator's dream. Add to that the fact that it uses ProDAD's own Super Smooth Animation format to give even better results, and even I want a copy.

Put your world in motion with *ClariSSA* at this special bargain price.



Adorage from Burgess Video Group

Telephone: 0874 611633
£25 discount

The Amiga has all the equipment and software you need to próduce professional quality video work, or impressive multimedia presentations. But your work would be all the more impressive with super smooth title sequences. And that's exactly what *Adorage* delivers.

Using the same Super Smooth Animation system as *ClariSSA* (it's from the same developer – ProDAD) *Adorage* has a host of whirling and zooming effects which can be applied to text to give the most impressive titles you'll ever see. This is a great opportunity to pick it up for a song.

It's great getting new gear for your Amiga isn't it? But at this time of year, money's tight, especially if, like us, you're saving for your Summer hols. It's a long way till Christmas, so there's not much chance of getting an Amiga-related pressie either. So we've got together with some of the producers and distributors of the best Amiga gear, and organised some great money-saving offers. Marcus Dyson explains...



Vista Pro and Vista Pro Lite from Meridian

Telephone: 081-715 8866
£20 discount

This has to be one of the most fun Amiga programs there is. When we put an early version of *Vista* on our Coverdisk it was one of the most popular disks we have ever done.

This amazing fractal landscape program enables you to build your own scenery on your Amiga. Then you can animate them to create stunning fly-bys, or include them as backgrounds in your games, pictures or 3D renders.

Vista Pro requires a powerful set up, but *Vista Pro Lite* delivers most of the same features to users of standard A1200s.

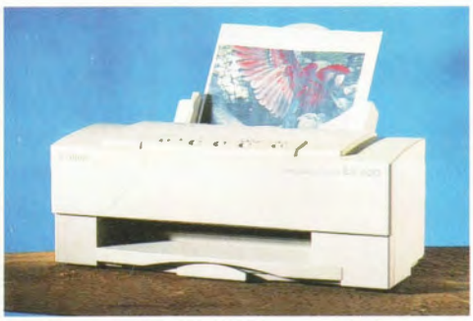


Megamouse 400 from Golden Image

Telephone: 081-365 1102
£25% discount

The Amiga mouse that comes as standard with the machine has always left something to be desired. It's much improved with the A1200, but even these rodents wear out eventually.

Whatever your reasons for needing a new mouse, you'll be shocked at the improvement from the Megamouse. Your DTP, word processing and general Workbench chores will all become easier. And your games scores will reach new records. There are few replacement mice that offer the same quality and value as the Golden Image Megamouse. A bargain with 25 per cent off!

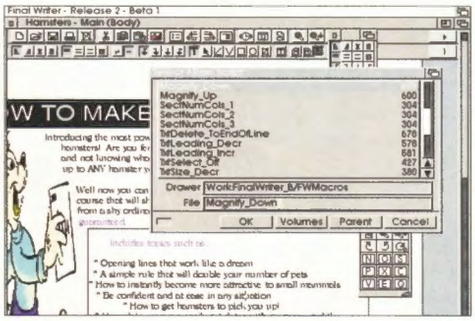


Canon BJC 600 from the Harwood Directory

Telephone: 0773 836781
£180 discount

There was a time when quality colour output from your Amiga was unaffordable. But now those days are gone. Canon produce a range of fine colour bubble jet printers which not only offer quality far beyond anything acheivable with a dot matrix printer, but they are much quieter too.

The jewel in the crown of this range of printers is the BJC-600, which offers colour at 360 dpi. Expensive, but worth it, and with £180 pounds off, it's a complete bargain. If your needs are more modest, call Harwoods to discover what else the Canon bubble jet range has to offer you.



Final Writer from Softwood

Telephone: 0773 521606
£60 discount

For years *Final Copy* and *Wordworth* have battled head to head for word processor supremecy. At present, it is *Final Writer*, the big brother of the *Final Copy* series which is in the lead by a head.

Final Writer is ideal for producing reports, theses, even novels and reference work. But its excellent graphics handling powers make it ideal for flyers and news sheets too.

Don't just sit their looking at the picture, turn to page 39 and read the review. Then get your hands on this fine, fully featured word processing package, for a mere £70.

HOW TO USE YOUR GREAT AMIGA FORMAT OFFER VOUCHERS

1 Decide what you want to buy. This is the easy part, with so many great products on offer, there simply has to be something for every Amiga enthusiast.

2 Make sure you can afford it. This may sound like obvious advice, but with such great discounts on offer it's easy to get a bit carried away and spend the gas money. Check your bank account first if you are in any doubt!

3 Refer to the suppliers advert. Check on this page, or on the voucher for details of the supplier. Most of these companies advertise regularly in *Amiga Format*. The ones who don't are software distributors, and they rely on dealers to advertise their products for them. The page numbers of the adverts in this issue are listed on this page and there is an advertisers index at the back of this issue.

4 Check out what other products the dealer has to offer, there's no point wasting a phone call (or stamp) calling him back (or writing) again when you could do it all in one call (or letter).

5 Call the dealer to check on the price and availability of the item you want. If the goods you want are in stock, you could save time (and the cost of a stamp, plus some paper and an envelope) by ordering by credit card. And remember, items bought with a credit card are often insured for a period of time (refer to card issuer's agreement).

6 If you live near to the dealer you have chosen, you might like to visit their premises and ask for a demonstration of the goods before you purchase. All the companies are Amiga specialists and will offer you any help they can with making a purchasing decision that is right for you.

7 If you don't order by credit card, write a letter ordering your product, and remember to enclose your voucher. Take a nice leisurely stroll to the post box and drop it in.

8 Sit back in your favourite comfy chair with a big mug of your favourite beverage and think of all the cash you've saved. You could always use it to take out a subscription to *Amiga Format*, the World's best, and most money-saving Amiga magazine.



And so it was that during the age of Ragnarok, Heimdall, beloved of the Gods, came to Earth from Valhalla to find the pieces of a Sacred Amulet - the power of which would banish the evil Loki from the viking lands.

It came to pass that Heimdall's quest was revealed in the mighty saga that is....

Heimdall 2

CORE DESIGN LIMITED

COMMODORE AMIGA (1 MEG ONLY)
A1200 ENHANCED VERSION
AMIGA CD32

CORE DESIGN LIMITED TRADEWINDS HOUSE 69/71A ASHBOURNE ROAD DERBY DE22 3FS TEL: (0332) 297797 FAX: (0332) 381551

WHY IS WORDWORTH THE WORLD'S NO.1 AMIGA WORD PROCESSOR





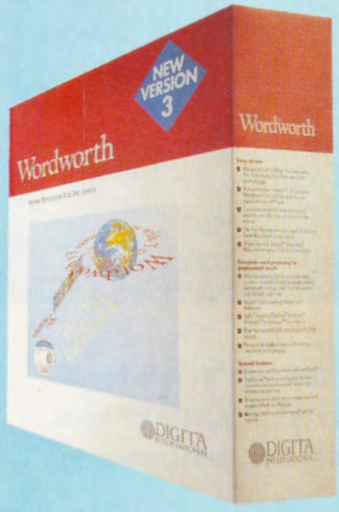
Innovative features like TextEffects.™ Type some text, set the font, colour, shadows, and then, weeeeee! Try rotate, circle, spiral, arc, star; create eye–catching effects with text.

Better by design. You can customise the toolbar by choosing from a range of large or small icons. Perform over 100 tasks by simply clicking an icon.

Thinking for you, DigiSense.™ Built–in intelligence. Like Auto Correct, which automatically corrects mistakes as you type. On–line help is always available, should you need it.

Stylish drawing tools. Now you can freely draw lines, boxes, circles, TextEffects™ and tables, straight onto the page.

Pictures and colour. Place pictures with up to 256 colours, and then size, scale and drag them as necessary (text flows around the image automatically).



Easy–to–use. With the University of Wales, Swansea, we've been studying 1,000 users working with Wordworth. We watched, we listened and we thought. The result is right before your eyes.

To find out more about the world of Wordworth and the new Wordworth 3, call 0395 270273, or write to Digita, FREEPOST, Exmouth EX8 2YZ.

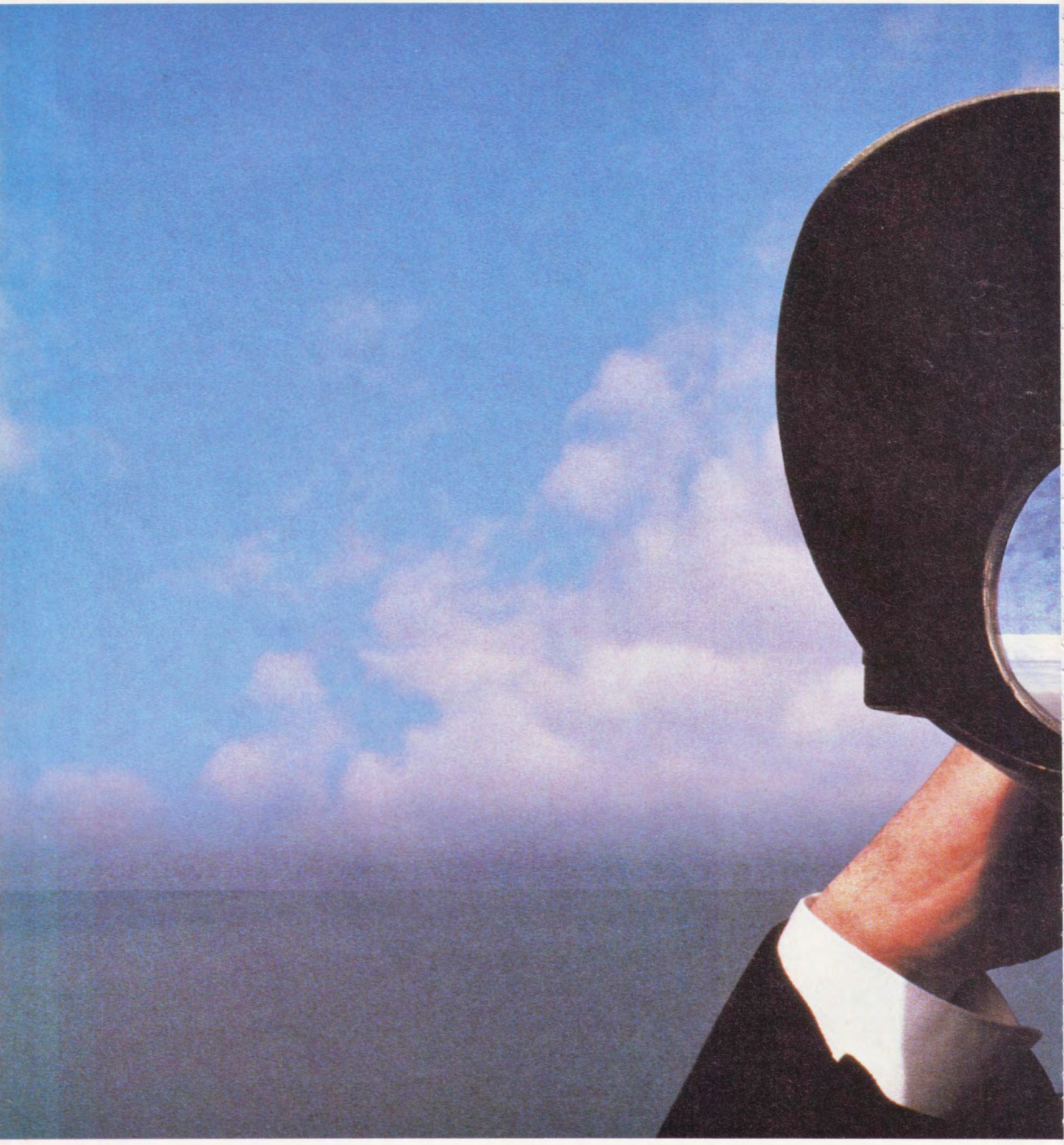
DIGITA INTERNATIONAL®

Wordworth 3

WORLD OF WORDWORTH

A MEMBER OF THE DIGITA GROUP. Digita, the Digita logo, and Wordworth are registered, and TextEffects and DigiSense are trademarks of Digita Holdings Ltd. All other trademarks used in the text of this advert are the properties of their respective companies. Whilst every care has been taken to ensure that the information provided in this advert is accurate, Digita Holdings Ltd or any associated company cannot be held liable for any errors or omissions that may have occurred. Sold subject to standard conditions of sale. E and OE.

IF YOU'RE THINKING ABOUT ENGINEERING DEGREES,



BROADEN YOUR MIND. BUT DON'T FORGET YOUR HORIZONS. IN A UNIVERSITY AND IN THE NAVY. AN L.E.A. GRANT AND A BURSARY ON TOP. THE ROYAL NAVY ENGINEERING SPONSORSHIP SCHEME AT SOUTHAMPTON. A UNIVERSITY WITH A FIRST IN ENGINEERING COURSES. A DEGREE WITH A CAREER TO FOLLOW. CONSIDER IT. BUT REMEMBER. WHO KNOWS MORE ABOUT DECIDING ON A COURSE THAN THE ROYAL NAVY?

HOW ABOUT 50° NORTH, 01° WEST?



For further information phone 0345 300123 or send the coupon to Cdr. Julian Malec OBE RN, Department (SH47919), FREEPOST 4335, Bristol BS1 3YX. No stamp needed.

NAME (MR, MS) _____ DATE OF BIRTH _____

ADDRESS _____

_____ POSTCODE _____ TELEPHONE _____

We are equal opportunities employers under the Race Relations Act and welcome enquiries from all ethnic groups.

SEE THE WORLD. DIFFERENTLY.

ROYAL NAVY

A terrible wind that robs people of speech, reason and memory.

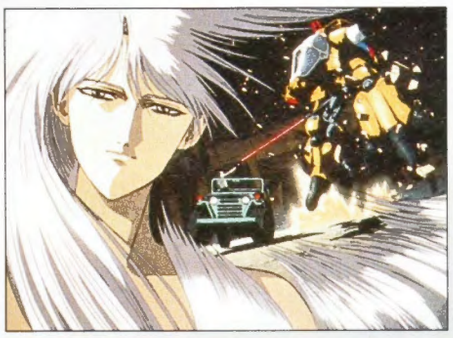
One lonely survivor of the holocaust who has to re-educate the human race.

Add the Manga effect.

And the result is
THE WIND OF AMNESIA

The Manga effect can also be seen in

THE MERMAID FOREST,



part of the Rumik World collection from one of Japan's most successful adventure writers, Rumiko Takehashi. A tale of hideous medical experiments, torture and grave-robbing.



And DANGAIOH –

A magnificent inter-stellar sci-fi animation which brilliantly portrays the battle between good and evil, in an epic adventure of mecha, androids and transformers.

EXPECT THE UNEXPECTED



Price £8.99 srp

AVAILABLE FROM

Virgin, HMV, wh SMITH, OUR PRICE, JOHN MENZIES, GAME LTD, FUTURE ZONE, WOOLWORTH, TOWER RECORDS, Forbidden Planet, BEATTIES OF LONDON, VIRTUAL REALITY and all good Video AND COMIC shops.



Price £8.99 srp



Price £12.99 srp

漫 MANGA VIDEO 画

A Division of Manga Entertainment Limited
An Island International Company

WORKING WITH WORDS

Most Amiga owners use a word processor, even if it's only to write letters to their bank manager. But the two leading packages can do much more than that. John Kennedy tells you what makes a good WP program, and sets up Wordworth 3 and Final Writer to fight it out.

BROADLY SPEAKING, THERE are four different types of word processing program: text editors, word processors, page publishers and desktop publishers. A text editor is the simplest form of getting words into a computer. The standard Commodore program is called *ED* and the chances are you've used it quite a bit already. It's not particularly fast, and it's not particularly good, but it gets the job done.

Thankfully there are many alternatives, and some won't even cost you a penny. For starters, you should always check out the Public Domain libraries which have some excellent examples of freely distributable programs.

In particular keep an eye out for *GoldEd* which can give the commerical programs a run for their money. If you do want to spend money, shop around for the best deal on the following: *Cygnus Ed Professional* (used to enter these very words), *The Edge* and *TurboText*. All are very reliable and are powerful text editors.

Programming in particular is the field where a printer isn't required, but fast and efficient text entry is essential. Quick and clever block manipulation, multiple document views and good ARexx support are essential. *Cygnus Ed* is the editor of choice, with its superfast scrolling, vertical block editing, macro support and ARexx port, it takes a lot of the hard work out of entering source code.

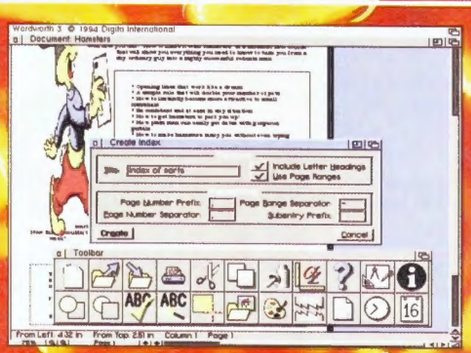
The word processor is becoming less and less popular as time goes by and computers become more powerful and graphically orientated. A word processor uses standard text on-screen, but differs from a text editor because of the inclusion of printer support, spelling checkers and text paragraph formatting.

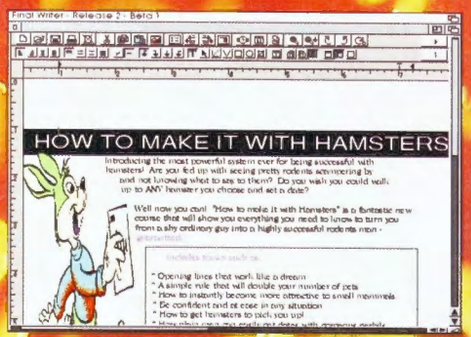
At the moment, *Protext* is the leader in the word processing field. And it is because it is available on just about every platform under the sun, from full blooded PC's to Amstrad NC200 laptops. Graphics support is neglible, but if you want a quick search and replace, with headers, footers and a thesaurus you know where to come. The only fonts supported are those your printer is capable of, which means you shouldn't expect to be able to create three-inch headlines on a bubble jet or dot matrix printer.

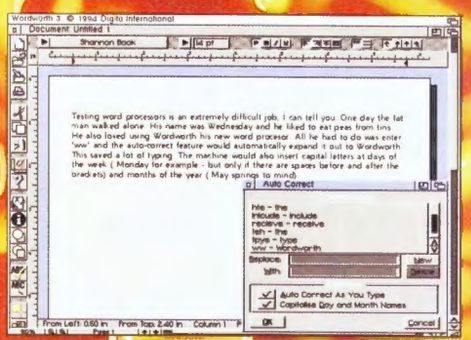
Other Amiga word processors include *Transcript*, *Kind Words*, *Final Copy* and *Pen Pal*.

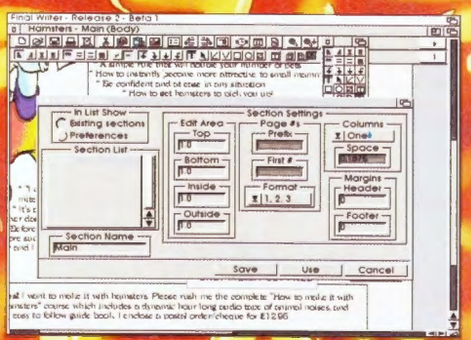
Page publishers or document publishers are definitely the new boys in town. They take a normal word processor, and add graphics and scalable font support to produce a text/graphics hybrid system.

Programs such as *Wordworth* and *Final Writer* (see reviews on page 42) take text processing right to the limit. You'll come across the term



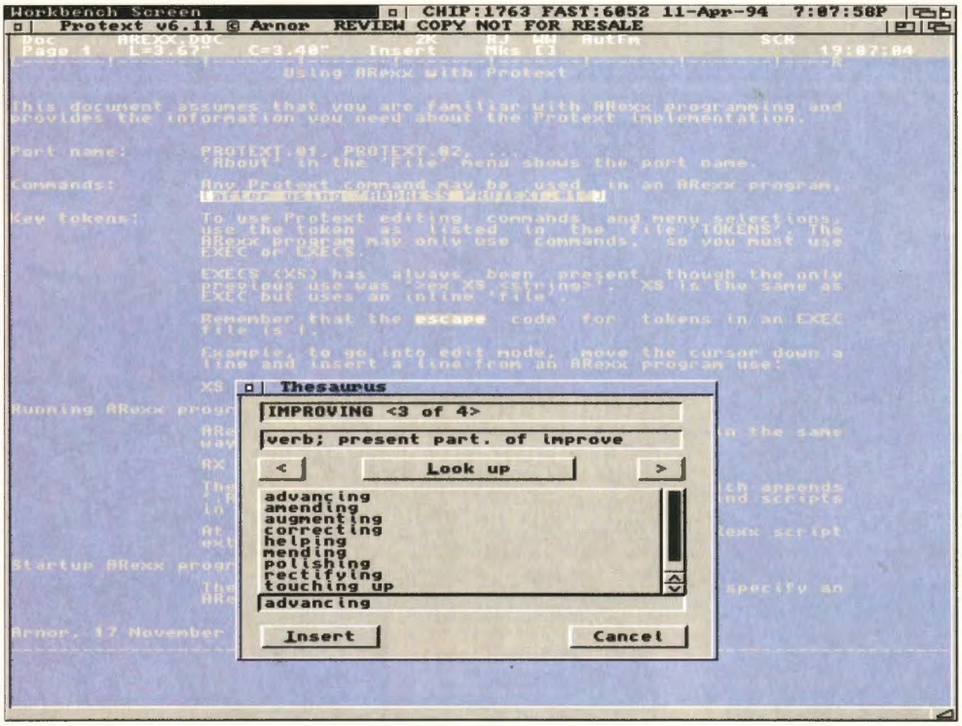






Both *Wordworth* and *Final Writer* take text processing to the limit. If you're interested in more than just writing text or code, these programs probvide a polished output much nearer to desktop publishing.

Continued overleaf ☛



Protext **certainly gets about a bit. It is probably the most widely available word processing program – there are versions for the PC, the Amstrad CPC and even for the NC200.**

WYSIWYG – What You See Is What You Get – a lot with these programs, because unlike word processors they display the text on-screen using proper typefaces, and also show pictures using HAM8 graphics if necessary.

Because displaying true fonts and pictures is quite processor intensive, they are usually a good bit slower than word processors or text editors, and require a lot of memory. It is also usually essential for you to have a hard disk, especially when a lot of pictures are involved.

Desktop publishing (DTP) packages are under severe threat from the page publishers. The lumbering DTP programs of a few years ago can't compete with the best of today's page publishers. A DTP program is used when every possible aspect of a page needs to be designed from stratch. Text must be usable in multiple typefaces, and placed anywhere on-screen in user-definable areas.

Graphics support is of paramount importance, and the output from the program must be in a form which can be handled by professional printing bureaux. The favoured DTP programs were the *Professional Page* and *PageSetter* series, but with Gold Disk's withdrawl from the Amiga market, the leading program is now *PageStream*. The latest version of *PageStream* is imminent, and looks as though it will challenge the industry standard Apple Macintosh systems.

Bargain DTP programs (such as *The Publisher*) are interesting, but page publishers such as *Final Writer* and *Wordworth* are both much better. If you are serious about DTP, you will need extra memory (10Mb would be a figure to aim for) and a hard drive. A fast processor – 68030 or better – would be a good idea as well.

The TeX system creates documents in an entirely different way from other systems. It's more like a programming language, dedicated to creating a page output and is used extensively for producing mathematical and scientific output. An Amiga TeX system is produced by Radical EyeSoftware (0101 415 3226442).

Continued on page 42 ☛

GETTING THE MOST OUT OF YOUR FONTS

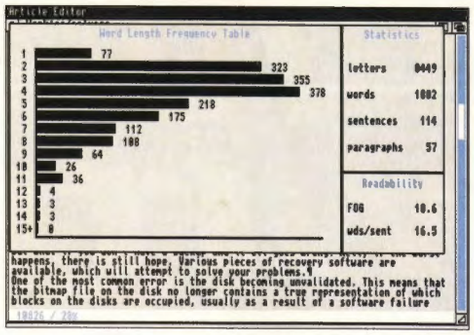
Text editors aren't bothered about fonts. Their job is to get words into the computer, and so what they look like when they are printed is irrelevant. Similarly, word processors normally only support the fonts which the printer is capable of. This makes for speedy printing of letters and reports, but not for terribly exciting output.

Unless you have a PostScript laser, most printers only have one or two typefaces built-in. Page publishers and DTP programs are designed to offer as much support for fonts and typefaces as possible. They usually come with a large collection, but they normally use a standard format which means other collections can be used as well.

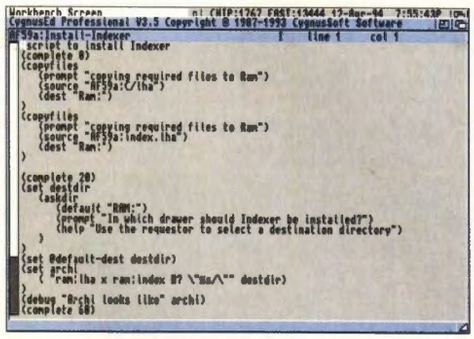
The important thing about the fonts used by these programs is that they are scalable, so even when the font is enlarged to be used as a headline, or printed on a hi-res printer, no jaggies appear. The disadvantage is that processing the size and appearance of each character can take time, but with a fast Amiga (an A1200 is OK) this process is usually not too slow to be a problem.

Amiga Format

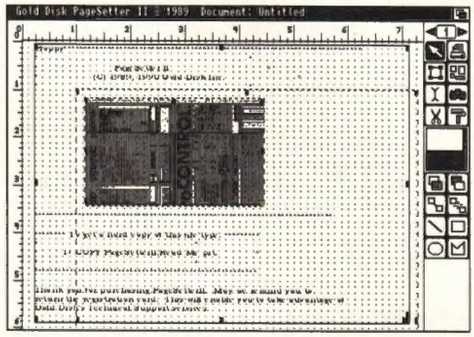
The word Amiga is in a scalable font, but the word Format uses a bitmap font. Spot the difference?



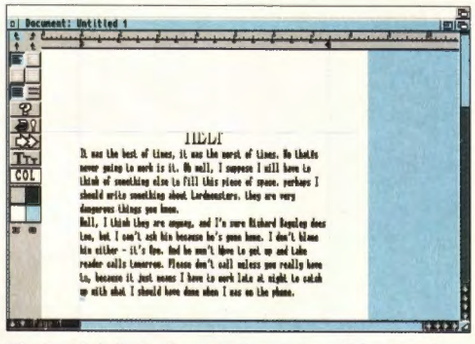
Article Editor **has no print function as it is a pre-processor for** ***ProPage*****. It does have a useful analysis mode.**



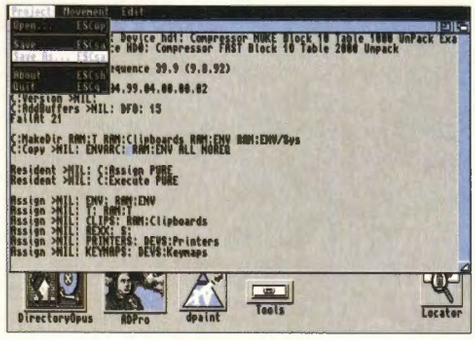
CygnusED **is the programmer's choice, mainly because it scrolls** ***really*** **fast and supports multiple documents.**



PageSetter **is a junior DTP package, which is quite adequate for most people's needs, although it's a bit slow.**



Kindwords **is basically an early version of** ***Wordworth*****. Text entry is quite slow compared to other packages.**



ED **may not be brilliant, but it is free.** ***ED*** **is run as a C command from Workbench.**

FOOTBALL TACTICIAN 2

NEW enhanced version sets even higher standards and breaks more records.

Firmly established as the definitive interactive football strategy game, *FOOTBALL TACTICIAN 2* is now available in three superb versions:
FT2 ENGLAND the original and the first ever management game where tactics and real-time match intervention are the main requirements for a successful campaign. **FT2 SCOTLAND** the first ever simulation covering the soccer scene north of the border featuring the Premier and First divisions. **FT2 ITALIA** with the fabulous serie A and serie B for the thrills, the passion and the glory of the world's most exciting league!

Three great games with the latest 93/94 stats. One soon realises that FT2 is no ordinary soccer manager. THIS is the REAL THING. You're in charge. Events on the field are the direct result of your inputs. Even when trailing badly, a match can still be retrieved and won if you make shrewd tactical interventions. There are risks involved, uncertainty and even luck. But in the end, it's all down to you! Can you rise to the challenge?
Try *FOOTBALL TACTICIAN 2* for a totally different football experience!

What makes Football Tactician 2 so special?

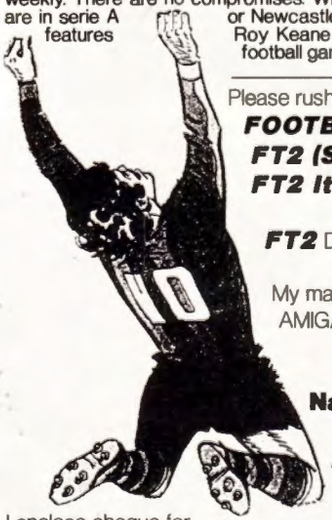
- Biggest ever multi-user system: up to 46 users (yes forty-six! who said four was the limit?) Now with new rating system reflecting managers' ability and achievements.
- First ever fully interactive management game: intervene at any time during a match to change tactics, make substitutions, adjust formation, mark players or inspect possession.
- Most accurate player definition: 30 parameters including real ages, aptitudes, skills, caps, nationalities, playing positions, fitness, morale, market valuation and performance.
- Largest results database: 21290 match results and league positions going back 20 seasons all instantly retrievable. All of which may be printed out and examined.
- Professional recording: 36 matches always recorded for full-scale replay at ANY time!
- First ever referee involvement: true to life behaviour. Beware of adopting 'rough tactics' or 'time-wasting' when Jim Parker is in charge! The message is clear: know your refs.
- Fastest ever setting-up time: initial start-up in less than two seconds, thanks to 900K of super-fast machine code. No waiting. No delays. Smoothness of action is FT2's hallmark.
- Most accurate editor: built-in intuitive editor capable of entering new players and fine tuning all parameters. It goes without saying that this is essential for the serious user.
- 16 different tactics from rough play to offside-trap, all adjustable throughout the match. You manage your side before AND during the match. No guessing. No falling asleep.
- Three levels of match reporting, from highlights only to ball-by-ball commentary.

What are the new features?

- FA Premiership and Division One permanently in memory with full interaction, promotions, transfers, European pool, play-offs, local and European Cups.
- Man of the Match. PFA Player of the Year. PFA Young Player of the Year. Footballer of the Year. Manager of the Year. Transfer deadline. Pitch invasions. Fights between players.
- Easy selection of penalty takers, free-kick takers, long throwers, wingers, captains, ball winners, playmakers, overlapping full backs, reserves, substitutes, player managers...
- Unique database-type search facility to locate any player in the league.
- Full-scale printing facilities. With 46 simultaneous users, highly suitable for Play-by-Mail.
- Intelligent behaviour of computer sides capable of changing tactics to respond to situation on the field or making substitutions based on fitness and fatigue.
  Plus mid-week transfer and fitness news from all 46 clubs.
- Thirteen different charts: top scorers, super-subs, penalty kings, hat-trick heroes, most bookings, most consistent player, most caps, etc, etc...
- Friendlies, precise transfer markets, club history, financial position and much much more!

Why is FT2 not in the shops?

The very essence of a football strategy game is its accuracy. With transfers happening every day, rules being changed and players being injured, shop games are out-of-date the moment they come out. Some publishers issue yearly revisions. That may be fine but not fine enough for us. The FT2 you buy is 100% up-to-date. We revise the program and data weekly. There are no compromises. Who wants to play a game that says that Fiorentina are in serie A or Newcastle in Division One? Who wants to play a game that features Roy Keane at Forest or Ruud Gullit still at Milan? No known football game is more up-to-date than FT2 and that's a fact!



Please rush 1 copy of

FOOTBALL TACTICIAN 2	**£22.95** ☐
FT2 (Scotland)	**£22.95** ☐
FT2 Italia *(serie A and serie B)*	**£22.95** ☐
FT2 Double Pack (tick any two)	**£29.95** ☐

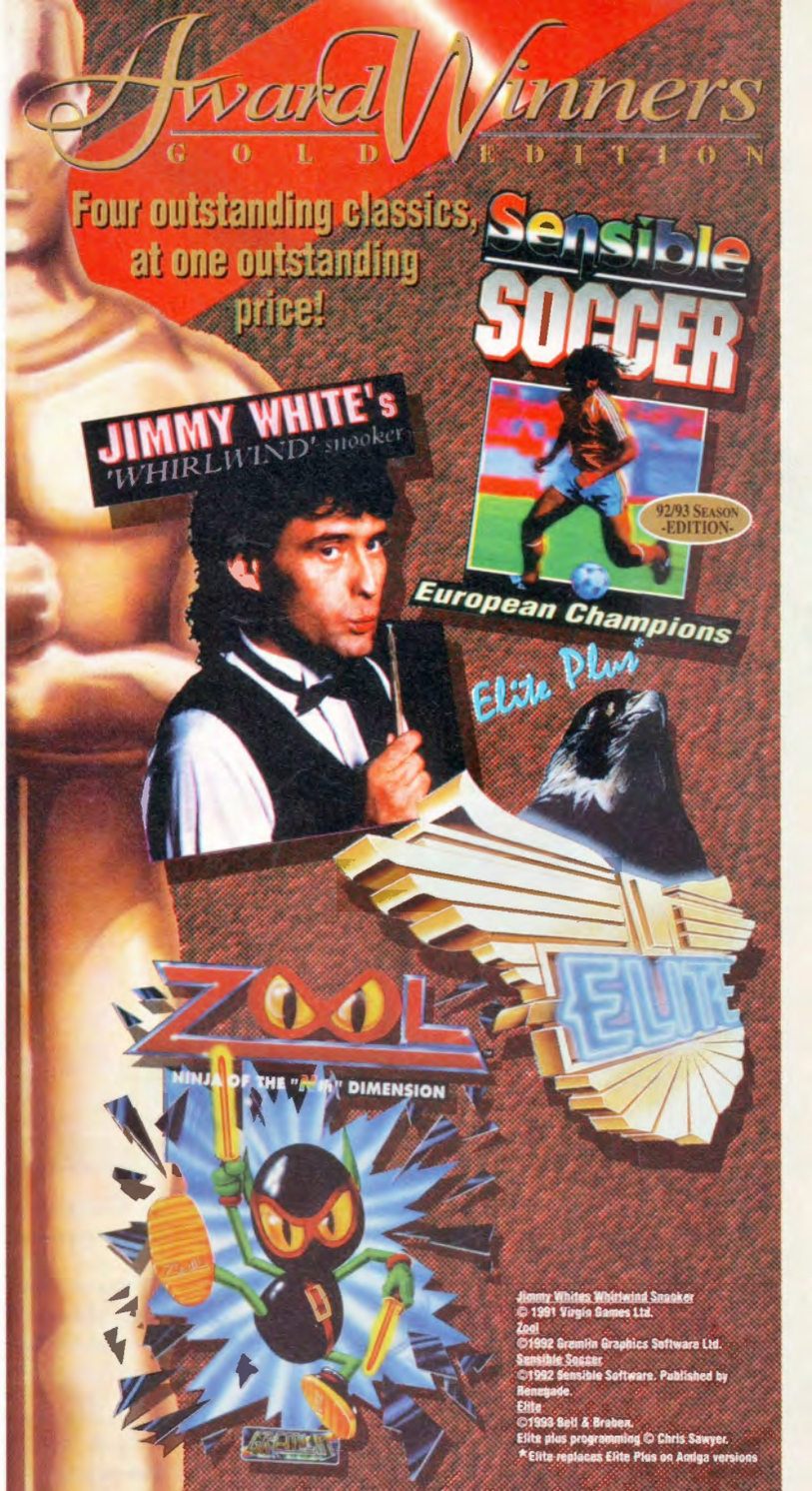
My machine is an
AMIGA A500 (one meg) ☐ A600 ☐
A1200 ☐ ATARI ST/STE ☐

Name

Address

I enclose cheque for ..... My Visa number is .....
Visa or Access orders: same-day dispatch. Overseas please add £1 p&p

TALKING BIRDS 0702 523607
5 Minster Close Rayleigh Essex SS6 8SF



SENSIBLE SOCCER
"Definitely, without the merest inkling of a suggestion of a shadow of a doubt, the best football game ever." Amiga Power - 93%

JIMMY WHITES WHIRLWIND SNOOKER
Impressive as the 3D is, it's only one aspect of a game chockfull of brilliant features. PC Review 9

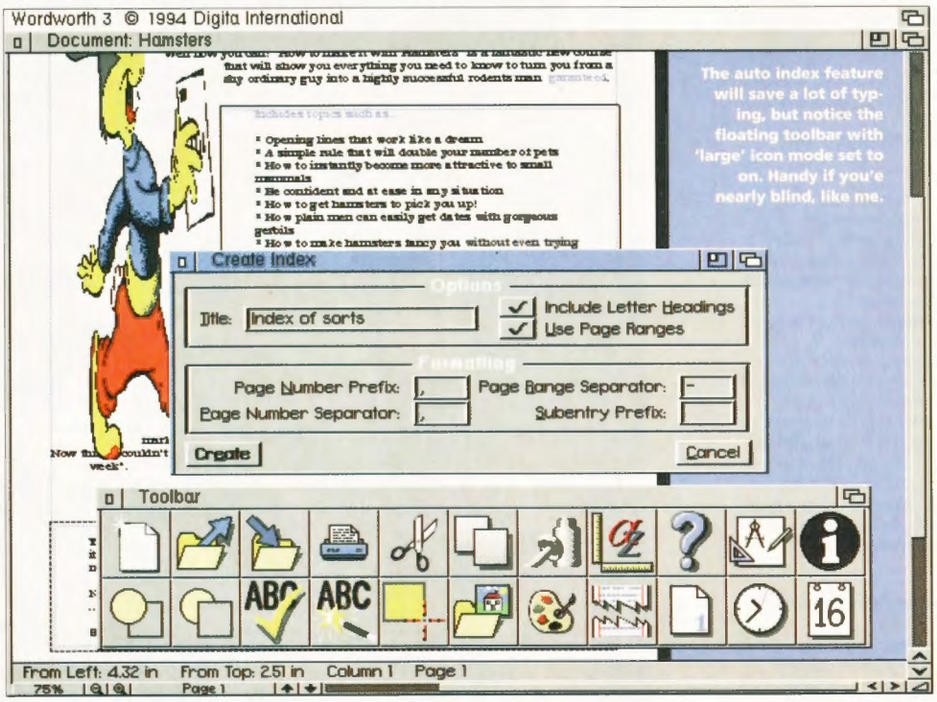
ELITE-ELITE Plus
"Quite simply the most original game-play since the birth of computer entertainment. An all time classic. PC Format.

ZOOL
"Zool conforms in every way to what you'd expect from a perfect cutesy platform game. And in doing so has become the perfect platform game... If you like all things cute and colourful, you'll love this, and if you aren't predisposed to platform games you'll still love it." Amiga Format Gold 95%

empire SOFTWARE

BATTLE OF

The two heavyweight Page Publishers – *Wordworth 3* and *Final Writer* – come face-to-face with updates and new features. As Softwood and Digita prepare to slug it out, John Kennedy acts as referee.



THE ADVENT OF the A1200 with its affordable computing power and easily expandable memory, has made some real changes possible in the word processing arena.

In the old days before graphics were invented, all the word processors we had looked like *Protext*, but with fewer pull-down menus. There was no such thing as WYSIWYG interfaces or scalable fonts, and having a spelling checker was considered the height of luxury. Now, thank goodness, we have the 68020 as a minimum entry level processor and the once gargantuan 4Mb of Fast RAM is starting to become more and more essential.

Back then, if you wanted to write a letter you used the word processor, and if you wanted to lay out something more imaginative which used different typefaces, you used a fledgling desktop publishing program and crossed your fingers.

Welcome to the 1990s, and the concept of a page publisher. Take an easy-to-use word processor, add all the power of a DTP program and shake it about. What's left after this amalgamation will either be *Wordworth* or *Final Writer* – at times it's extremely hard to tell them apart.

Both these packages have undergone recent updates to add more features and clean up some bugs. *Final Writer* is now into release two, and *Wordworth* has been upped to a rather controversial version three.

Continued overleaf ☛

FINAL WRITER RELEASE TWO

The first version of *Final Writer* was certainly good enough for a lot of Amiga users. It was stable, fast and offered enough in the way of features to worry any Digita employee.

At the time, it was easily the best Amiga publishing program around. The updated second release doesn't make any giant leaps forward, and it might take a considerable amount of use before the new features become apparent.

Probably the most useful addition is the Undo/Redo feature which can make experimenting a lot more fun. Both text edits and major document alterations can be undone with the minimum of hassle. It's still a long way from *Cygnus Ed*'s incredible command history, but it's a good start. Other improvements include an easy-to-use set of text style buttons.

***Final Writer* uses different typefaces for bold, underlined and italic text which meant a lot of hassle in previous versions, even messing with ARexx scripts. Now you only need to click a button and the new font is used automatically.**

The tool strips have been updated, and now up to three windows of tools can be left on-screen wherever they are required. If you are able to display a large screen (for example, 640 by 512 flicker-free) then having vital functions to hand is a great aid to your productivity and even better, your set up is saved with the document.

A few other options have been shifted around, but that basically is it – there are no other main changes other than Undo.

***Final Writer* is still is a very reliable program, and it is still incredibly easy to use, although it would have been good to see some *Wordworth*-style text boxes, Workbench 3.0 Datatype support and some on-line help in this updated version.**

Perhaps the 'release two' tag on *Final Writer* is hard to justify because there isn't a great deal of difference from 'release one'. It's certainly given Digita time to come back with *Wordworth 3* – and the competition is now so close that you might need to toss a coin to choose between them.

WORDWORTH V3

Unlike *Final Writer*, this new, slightly premature, version of the very popular *Wordworth* program makes some big changes over previous releases.

The entire user interface has been completely cleaned up, and is now a lot more Amiga-like and therefore easier to use. I like the use of standard file requesters, something which *Final Writer* does without, and the modeless requesters – which can float on-screen and apply to multiple objects – are really rather advanced on any computer platform.

The smart tool bar, which can be fully customised, and instant help are features which both beginners and experts will appreciate.

The only problem with *Wordworth* version was the incredibly slow printing speeds, but this seems to have been improved. Certainly printing the same page at high resolution on an Olivetti JP150 bubblejet from both programs led to times which were within two per cent of each other.

I like the way in which the screen mode can be changed at any time (and doesn't require quitting and restarting like *Final Writer*), and the Workbench App Icon where text can be dropped is good to see.

Theoretically, *Wordworth* can be used on a floppy disk-only system. However, it does require a second drive and at least seven disks to juggle with. Frankly, previous versions of *Wordworth* have done more to boost sales of hard drives that anything else, so you would have to be extremely patient to use it on a floppy-only system.

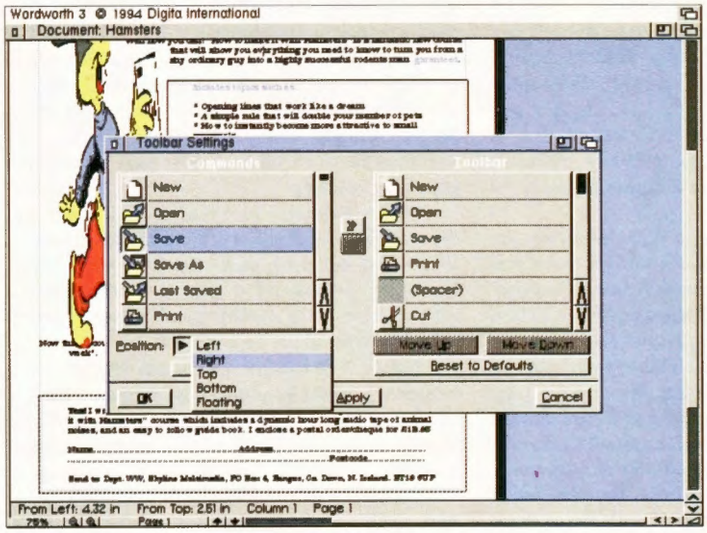
A lot has been written about *Wordworth* and the bugs that have been rumoured to have set-up several colonies within its code. I'm happy to say that I've been using the latest version I could get from Digita, and so far it has crashed twice.

The first time was when I accidentally loaded a *Final Writer* document into it – so it was probably disgust that did it. And the second time I was multitasking it with *Final Writer*, *Cygnus Ed*, *DirectoryOpus* and a comms program, so I'm not sure who to blame.

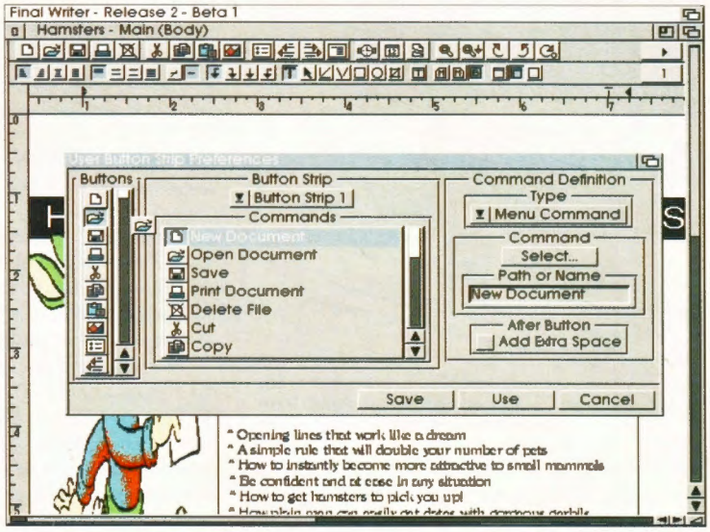
Certainly Digita have been a little bit naughty in expecting customers to beta test their software, but the bug hunt is now drawing to a close. By the time you read this most, if not all, of the bugs should have been exterminated – which will leave one of the most advanced pieces of software the Amiga has ever seen.

● **See the box headed All Tuned Up on page 45 for more details.**

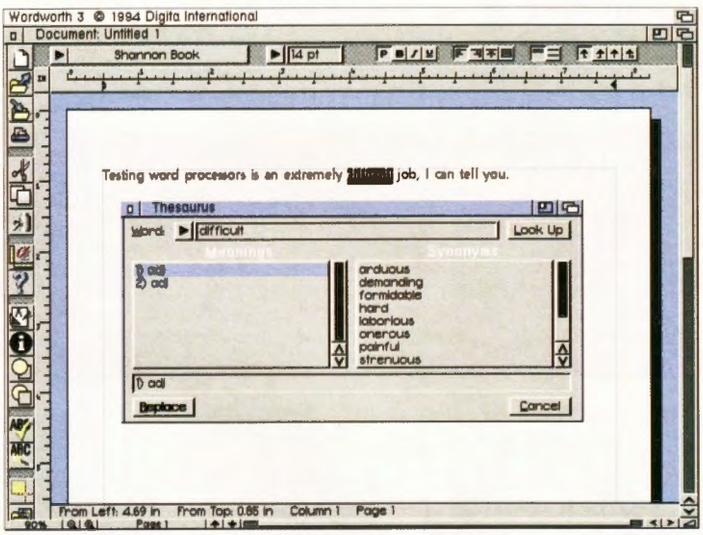
THE GIANTS



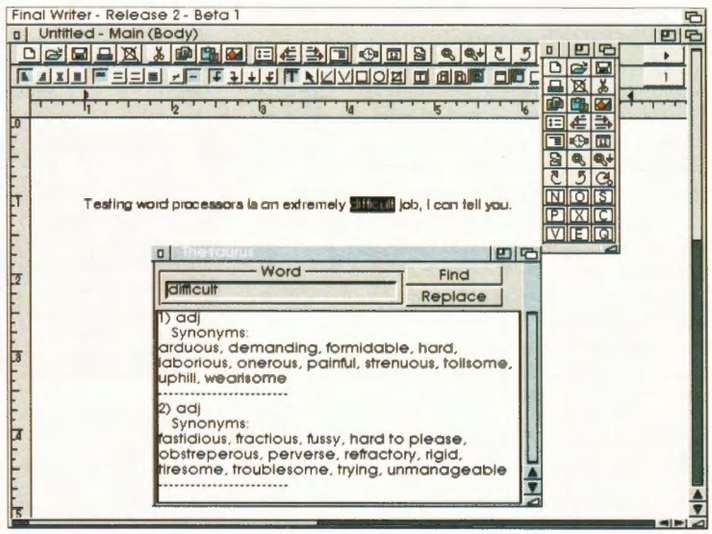
***Wordworth*'s toolbar can contain exactly the tools you want to put in it, and can be placed at the edge of the screen, or it can float anywhere you put it.**



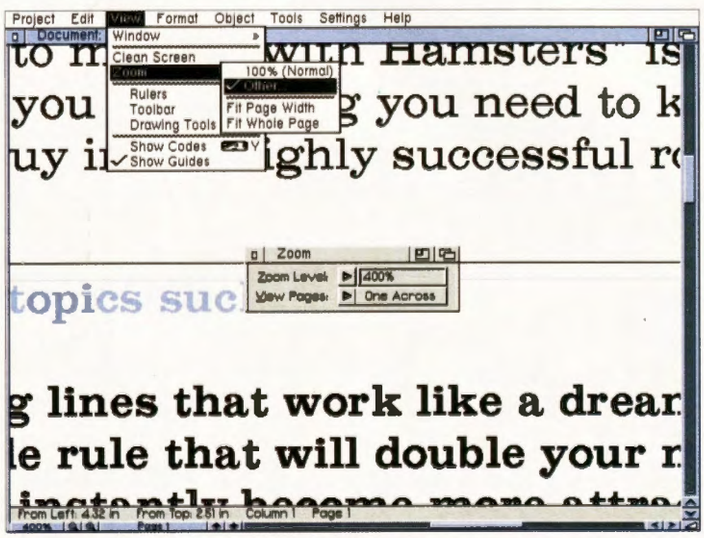
As with *Wordworth*, *Final Writer*'s tool panel is totally user-definable. Simply drag and drop the tools you want.



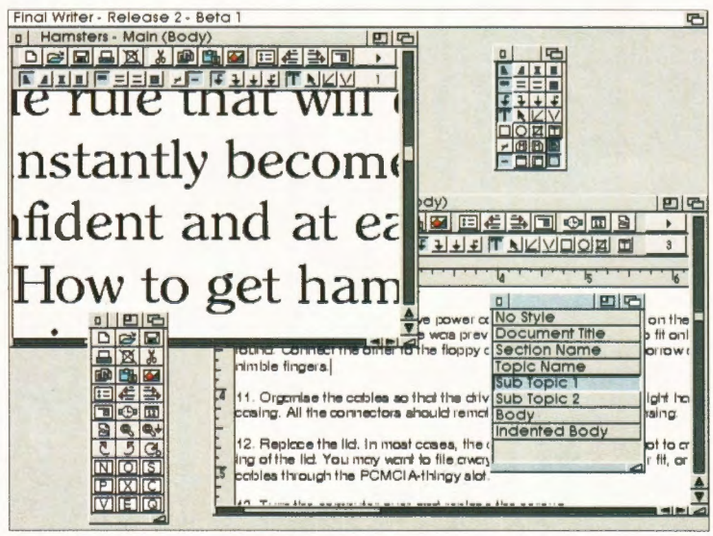
Spelling checkers are extremely old hat now. The very least you can expect is a good thesaurus. Notice the 'user-friendly' icon-based tool bars all around the screen.



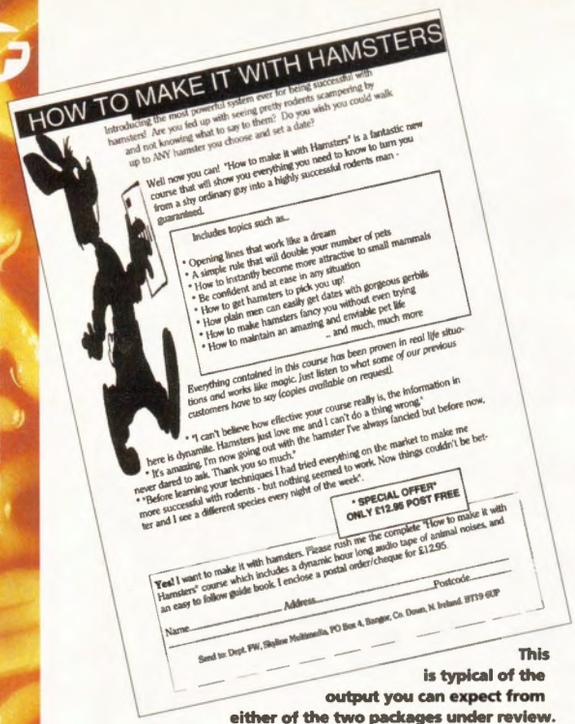
The *Final Writer* thesaurus came up with exactly the same suggestions, but laid them out slightly better.



This level of magnification is possibly over the top, but you can certainly keep a good look out for jaggies. (There aren't any – the fonts are all scalable.)



Each document is a separate window, which can be moved and scaled. Notice the three tool palettes floating around.


HOW TO MAKE IT WITH HAMSTERS

Introducing the most powerful system ever for being successful with hamsters! Are you fed up with seeing pretty rodents scampering by and not knowing what to say to them? Do you wish you could walk up to ANY hamster you choose and set a date?

Well now you can! "How to make it with Hamsters" is a fantastic new course that will show you everything you need to know to turn you from a shy ordinary guy into a highly successful rodents man - guaranteed.

Includes topics such as...

* Opening lines that work like a dream
* A simple rule that will double your number of pets
* How to instantly become more attractive to small mammals
* How to instantly become more attractive to small mammals
* Be confident and at ease in any situation
* How to get hamsters to pick you up!
* How to get hamsters to pick you up!
* How plain men can easily get dates with gorgeous gerbils
* How plain men can easily get dates with gorgeous gerbils
* How to make hamsters fancy you without even trying
* How to make hamsters fancy you without even trying
* How to maintain an amazing and enviable pet life
* How to maintain an amazing and enviable pet life

...and much, much more

Everything contained in this course has been proven in real life situations and works like magic. Just listen to what some of our previous customers have to say (copies available on request).

here is dynamite. Hamsters just love me and I can't do a thing wrong."
never dared to ask. Thank you so much."
* "Before learning your techniques I had tried everything on the market to make me more successful with rodents - but nothing seemed to work. Now things couldn't be better and I see a different species every night of the week".

* SPECIAL OFFER* ONLY £12.95 POST FREE

Yes! I want to make it with hamsters. Please rush me the complete "How to make it with Hamsters" course which includes a dynamic hour long audio tape of animal noises, and an easy to follow guide book. I enclose a postal order/cheque for £12.95.

Name.....Address.....Postcode.....

Send to: Dept. PW, Skyline Multimedia, PO Box 4, Bangor, Co. Down, N. Ireland. BT19 6LP

This is typical of the output you can expect from either of the two packages under review.

The heart of any word processor, DTP package or page publisher is the ability to enter text, quickly and without undue problems. Loading up the program and hammering out the words is easy. Both default to a sensible opening page, but *Wordworth* seems to lag behind *Final Writer* ever-so-slightly in the typing speeds.

It's not that *Wordworth* misses characters or anything, rather that the feedback is a little slow. For this reason I would rather enter text in *Final Writer* – it's only a small thing I know, but to be honest this is the sort of detail we'll need to go into to be able to tell these programs apart.

Both programs have excellent spelling checking facilities, and the thesauruses on both are practically identical. *Wordworth* tries to get a few extra Brownie points by introducing us to *DigiSense* which keeps a look out for words to substitute. It's not a real-time spelling checker in that if you keep spelling a word wrongly, you will need to manually enter it into the DigiSense database along with the correct spelling.

In fact, it's not a spelling checker at all, because the most common use would probably be to save typing. For example, I could set it up so that every time I entered 'ww' it was replaced by 'Wordworth'. Handy, but not an earthshattering breakthrough in artificial intelligence.

Highlighting words and sentences in both programs is quite straightforward – double click on the word and it's done. If you click again *Wordworth* highlights the entire line, which is useful, but *Final Writer* goes one better with a shift-click to highlight an entire block of text – including text scattered over different pages.

Cutting and pasting is done by using the usual Amiga key combinations, but for some reason *Wordworth*, unlike *Final Writer*, doesn't support the Amiga clipboard, which means you can't cut a section and paste it into, say, *Cygnus Ed*.

Now, this sounds a daft thing to want to do in the first place, but it's actually very handy. Take my How To Make It With Hamsters page (above left) for example: at one stage I wanted to insert a few hundred words of previously written material. Unfortunately, neither program has an Insert Extra Text feature, but at least with *Final Writer* I could cut the text with *Cygnus Ed* and then paste it into the document.

This slightly more Amiga-friendly approach of *Final Writer* further extends to an ARexx port (hurray!), although surprisingly it's *Wordworth* which offers the on-line AmigaGuide help.

Creating larger documents, a book or report for example, unearths many hidden chores. At the very least a table of contents should be placed at the front of the work, and a full index at the back, and *Wordworth* includes the features to help you do this. All you have to do is click on a word, select a menu option and it will be included in the automatically generated index. The same method is used to create the contents.

Final Writer goes a lot further. It enables you to split the document into completely different sections and automatically puts the section title in the list of contents. Using the section headings, it's also possible to create an outline page to help you plan your writing.

Where *Wordworth* calls it a day with the index, *Final Writer* also provides a table of illustrations, a section on endnotes and a bibliography section. From the experience I gained writing even a rather short and shabby thesis, these features would have saved me days of work.

Not so long ago the way to tell the difference between a desktop publishing program from a word processor was the DTP program's ability to handle graphics. Now that has changed, and any good WP is expected to deal sensibly with images.

I tested both programs with many IFF image files, some of which make use of the new AGA modes and some of which don't. Both programs worked well, but *Wordworth* wouldn't play with 24-bit images. Converting them to 256 colours or HAM8 seemed to get round the problem, but it's an odd omission. It does support TIFF, GIF, PCX and several other file formats, though.

HARDWARE REQUIREMENTS

***Final Writer* and *Wordworth* are not small programs. Both require Workbench 2, and at least 2Mb of RAM. If you plan to use pictures, you will soon need more memory, so think hard about getting an extra 4Mb card if you have an unexpanded A1200. *Final Writer* doesn't pretend that you can run it from a floppy, but *Wordworth* claims two floppy drives will do the trick: they will, but you might go mad in the process.**

To make the most of these programs, you will need an A1200 or A4000, each with at least 4Mb of Fast RAM and a hard drive. Using an expanded (but 68000-based) A500 or A2000 is not recommended. You have been warned!

HOW THEY COMPARE

	WORDWORTH	FINAL WRITER
HARDWARE		
Min memory required	2Mb	2Mb
Hard drive required?	No	Yes
(The recommended system for both programs will have 2Mb Chip RAM, 4Mb Fast RAM, a hard drive and a 68020 or better processor.)		
FONTS		
Printer fonts?	Yes	No
Scalable fonts?	Yes	Yes
Fonts supplied	50 Agfa compugraphic	100
(All these fonts include bold and italic versions of the same typeface.)		
GRAPHICS		
AGA graphics?	Yes	Yes
24-bit graphics?	No	Yes
Scalable clipart?	Yes – CGM format	Yes – EPS format
Text wrap?	Yes	Yes
Text over graphics?	Yes	Yes
Drawing tools?	Yes	Yes
Dashed/dotted lines?	Yes	No
DOCUMENT FEATURES		
Multiple columns?	Yes	Yes
Multiple pages display?	Yes – side by side	Yes – vertically
Headers/footers?	Yes	Yes
Sections?	No	Yes
Contents table?	Yes	Yes
Index?	Yes	Yes
Bibliography?	No	Yes
Endnotes?	Yes	Yes
Outline?	No	Yes
Table of illustrations?	No	Yes
Sort text?	Yes	Yes
Bookmarks?	Yes	No
Tables	Yes	No
Master Pages	Yes	Yes (multiple)
Text boxes	Yes	No – one line only
GENERAL		
Zoom feature?	Yes	Yes
Spelling checker?	Yes	Yes
Thesaurus?	Yes	Yes
(Both use Collins Proximity with supplements, and 862,000 synonym file.)		
Hyphenation?	Yes	Yes
Style tags?	No	Yes

Both programs ignore the Workbench 3.0 Datatypes system, which is a pity because pictures stored in all the other great file formats could then have been loaded. Once loaded, pictures can be moved around and re-sized, and text can either be overlaid or asked to flow gently around.

Final Writer seemed slightly better at flowing text, and *Wordworth* needed a slight hand here and there for best results. One big advantage *Wordworth* has over *Final Writer* is the ability to enclose different sections of text in separate boxes. This is really getting into the realms of DTP, but it makes laying out complicated pages so much easier.

For example, in the Hamsters page (opposite) the list of features was included as a box. With *Wordworth* the box was defined, given a visible boundary and the text entered directly into it. The finished box, and the text inside it, could be moved around the screen with ease.

Using *Final Writer* meant positioning the boxed text as part of the main body copy with lots of tabs and spaces, and then drawing a simple graphic box around it.

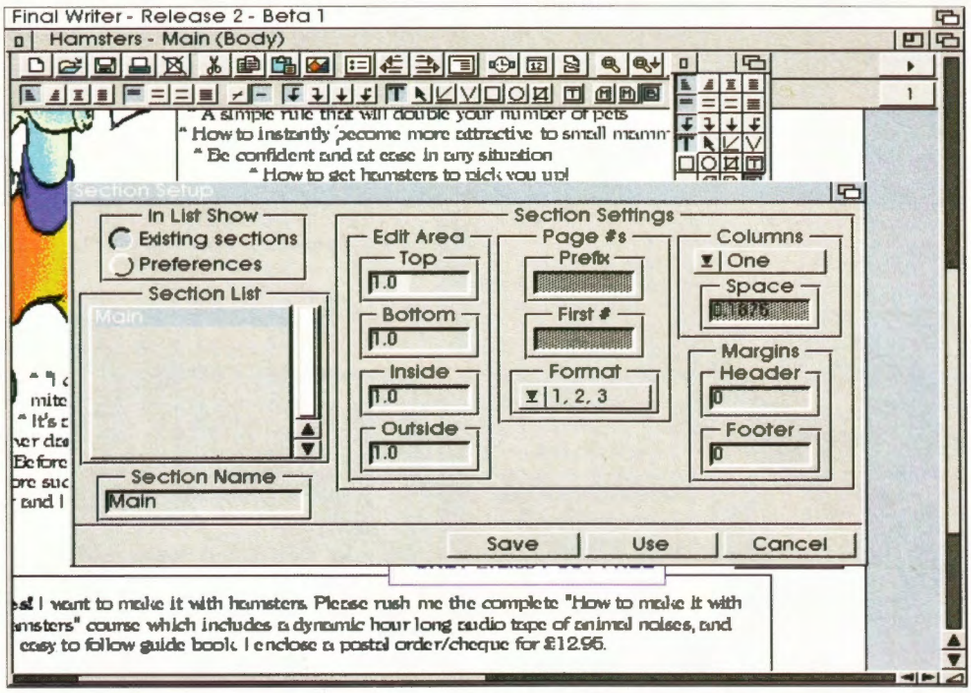
All boxes in *Final Writer* documents must be done in this way, even if it means defining the boxes on several master pages so they can't be changed on normal pages. It is possible to define a text block which consists of a single line of text which can be manipulated extensively, but it is only a single line, so use is limited to headlines and so on. That said, being able to stretch and squeeze headline text so easily is something missing from many DTP programs.

The *Wordworth* text boxes are not only useful, but have some extremely powerful options. You've no doubt seen the spirally, coloured text in the advertisements. Text effects are created as special page objects. They are a bit gimmicky, but are useful for corporate logos and such.

Choosing between these programs is a difficult task, because they are both so good. The extra document features of *Final Writer* would lead me to recommend it for long reports and books, although it can still handle graphics extremely well. The addition of the text boxes and effects to *Wordworth* make it extremely easy to produce more desktop publishing-oriented documents but again, like *Final Writer*, it will do just about everything you could expect.

The final decision could easily depend on whether you are upgrading a previous version, in which case you won't be disappointed no matter which program you get.

If I was starting from scratch, and was forced at gun point to decide between the two packages, I'd go for *Final Writer* over *Wordworth*. Both are superb examples of Amiga software, and both will impress you immensely.



One area in which *Final Writer* differs from *Wordworth* is with sections – they make keeping track of large documents very easy.

ALL TUNED UP

Digita have released *Wordworth 3.0a* – a technical update to correct the compatibility problems, fix bugs, improve operating speed and generally 'tune up' *Wordworth 3.0*.

Version 3.0a also has some new features:

DRAG AND DROP: this significantly speeds up text layout and editing, but can be turned off if desired.

EXPORT FILTERS: because of *Wordworth*'s modular construction, the import and export capabilities can continually be extended. Version 3.0a will also have RTF and *WordPerfect* export filters.

The new version is free to all registered users, contact Digita on 0395 270273 for more information.

Auto-save feature?	Yes	Yes
Macros?	No	Yes
Mail merging?	Yes	Yes
Full Undo?	Yes	Yes
Background printing?	No	Yes

AMIGA FEATURES

Runs under AGA modes?	Yes =>256 colours	Yes =>256 colours
Style guide compliant?	Yes	Yes
Standard file requestor?	Yes	No
ARexx port?	No	Yes
Datatypes?	No	No
On-line help?	Yes	No
Clipboard support?	No	Yes

AVAILABILITY

Wordworth: Digital International Limited, Tel: 0395 270273

Final Writer: SoftWood Products, Tel: 0773 836781

PRICES

RRP	£149.99	£129.95
Upgrade from...		
Wordworth	£49.99	£75
Final Writer	£59.99	£7.95*
***Final Copy**	-	£50
PenPal	-	£75
ANY other Word Processor	£59.99	£85 (even a magazine coverdisk)

(*If bought before 1st March, free if bought after this date)

RATINGS

Ease of use	●●●●●	●●●●●
Speed	●●●●	●●●●
Manual	●●●●●	●●●●●
Accessibility	●●●●	●●●●
Features	●●●●	●●●●●
Value	●●●●	●●●●●

VERDICT

WORDWORTH: 92%

An excellent program, developed from two highly successful forerunners. The current version is still not 100 per cent bug-free, which is going to cause unnecessary problems for Digita. It's still one of the best ever Amiga programs.

FINAL WRITER: 94%

The text handling, graphics support and well designed user-interface makes Final Writer a word processing package the Amiga community as a whole can be proud of.

CALCULUS
COMPUTER STORES

Amiga CD32 Spectacular Voyage Pack



Full Motion Video Expandable

It's just not possible to capture the superb quality of the new Amiga CD32 from an advertisement fortunately there's a Calculus Store close to you. So why not call in and ask for a demonstration and experience tomorrows technology today.

AMIGA CD32 Comes with 2 GREAT GAMES
Microcosm and Chaos Engine and whilst stocks last FREE Oscar, Diggers, Wing Commander and Dangerous Streets

£279.99

Top CD32 Hip Hot Titles

Microcosm	£44.99
Bubba 'n' Stix	£29.99
Nick Faldo Golf	£34.99
Liberation AGA	£34.99
Nigel Mansells World Championship AGA	£29.99
Pinball fantasies AGA	£32.99
Castles II AGA	£29.99
Whales Voyage AGA	£29.99
Overkill - Lunar' C AGA	£29.99
Zool AGA	£29.99
Mean Arenas AGA	£29.99
Sensible Soccer AGA	£24.99
DeepCore AGA	£25.99

More titles arriving daily

SPRING CLEARANCE SALE

A601 Amiga 0.5 Meg Expansion Card
£19.99

Award Winners Software Pack
(A500 / A600) * Populous * Pipemania * Kick Off * Space Ace
£9.99

Amiga Challenge Software Pack
* International Sports Challenge * Paradroid 90 * Cool Croc Twins
£10.99

Amiga Zap Sac for Kids at Skool
(Free Zappo T - Shirt)
£9.99

ZAPPO EXTERNAL FLOPPY DRIVE

New Low Low Price



Top quality external drive for all Amigas
"Quality 9 out of 10 exceptional value for money" *Amiga Computing*
Zappo External Floppy Drive Review. (compatible with all Amigas)

CALCULUS PRICE **£54.99** ~~£59.99~~
12 Months Warranty

Desktop Dynamite Elite Pack

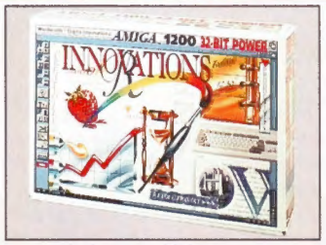
NEW LOWPRICE!!



£324.99

NEW PACK

Amiga 1200 Combat /Innovations Pack



The Amazing **Amiga 1200** bundled together with this mind blowing Software
FREE

* Wordworth AGA * Print Manager
* Personal Paint V4
* Day by Day * Total Carnage * Brian the Lion
* Zool 2

PLUS 2 great games
* Batman Returns
* Frontier Elite II

~~£349.99~~

£329.99

NEW LOW PRICE!!!

Amiga 1200 Elite Pack

The Great New Desktop Dynamite Pack now includes Batman Returns and Frontier Elite II. The power of the Amiga 1200 is unleashed with this great new pack. Specially re written AGA software takes full advantage of the 1200 AA Chipsets graphic capability.

* Wordworth AGA * Digita Print Manager
* Oscar AGA * Deluxe Paint IV AGA

PLUS 2 great games
* Batman Returns AGA Straight from the hit movie
* Frontier Elite II AGA Battle across a Galaxy of different worlds



BATMAN RETURNS

NEW GAME
An exciting program, the first free film simulation vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style.
£29.99 FREE

FRONTIER ELITE II

NEW GAME
You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. The goals to aim for are endless, the game is completely open ended.
£29.99 FREE



MICROVITEC PRO GRAPHIC MULTI SYNC AMIGA MONITOR

JUST ARRIVED!!





The new Amiga Multi Sync Amiga Colour Monitor from Microvitec. High quality 0.28dp and total MPR-II compliance.

Complete with External Stereo Speakers

12 Months Warranty **£329.99**

AMIGA 600
With a 30 Mb Hard Drive
Complete with Wang At Home Cover

PRICE CRASH



A genuinally unrepeatable deal combining an Amiga 600, 30 Mb Hard Drive and a fantastic range of games and utility software.

Trivial Pursuits -The Classic Quiz
EPIC - Science fiction Adventure
MYTH -Question the judgement of the Gods
ROME -Capture the purple Robe of the Imperial Roman Empire
AD 92 -Role playing adventure

AMIGA TEXT
A powerful word processing package simple to use but highly sophisticated you'll be amazed at your professional results

DELUXE PAINT III
Movie quality animations at the press of a key, 3D perspectives and a complete set of paint tools

CALCULUS PRICE **£229.99** ~~£369.99~~

SAVE £140

FOR DETAILS OF YOUR LOCAL CALCULUS STORE

CALCULUS
COMPUTER STORES

NEW LOW PRICE-WHILST STOCKS LAST!

Panasonic KXP - 4400



NEW Ultra - Compact LED Page Printer

Announcing the **Panasonic KX - P 4400** LED Page printer, the printer that fits virtually anywhere. Ultra small foot print (12.7cm X 38.1cm ex trays) and under 6.5 kg, this printer travels with you.

* 4 pages per minute of crisp, 300 dpi laser quality output.
* 100 sheet, multi purpose paper tray (A4, letter, legal and executive)
* 28 internal bitmapped fonts
* HP laserjet series IIP
* 1 Mb Ram expandible to 5 Mb
* 1600 copies per toner.
* 1 Year On - Site warranty

£479.99



Pictured above is the KXP 2023. The KXP - 1150 is cosmetically very similar.

Panasonic KXP - 1150

This quality 9 - pin mono dot matrix printer represents excellent value for money.

* **9 - pin narrow carriage**
* **7 fonts**
* **3.5" setup disk + windows 3.1 driver**
* **240 CPS, 38 CPS NLQ**
* **Paper Parking**
* **1 Year Warranty**

~~£163~~

SAVE £43

CALCULUS PRICE **£119.99**

Panasonic KXP - 2023

The new KXP 2023with 24 - pin diamond shaped printhead incorporates the latest in ergonomic design, with emphasis on the user friendly features which include a help disk, easy to use front control panel and paper setting facility.

~~£217~~

CALCULUS PRICE **£149.99**

SAVE £67

* **Quiet Printing** 46.5 dBa standard mode 43.5 dBa Super quiet mode (most matrix printers are typically in excess of 60 dBa
* **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ
* **4 Resident Fonts** Courier, prestige, Bold PS and Script
* **2 Paper Paths** Rear and Top
* **On screen setup disk** Including printer driver for Windows 3.1
* **1 Year Warranty** For total peace of mind.

Buy this superb printer for £149.99 and whilst stocks last we will send you a voucher for a free auto cut sheet feeder. **Worth a further £89**

Calculus and ICL *in Partnership*

When the time comes that you just have to fit a Hard Drive to your Amiga 1200 or 600 it is important that your Amiga is handled by the **EXPERTS.**

ICL are a giant International Computer Manufacturing and Repair Company and have been chosen by Commodore as their authorised warranty company for Amiga product.

Through Calculus the Nationwide resources of ICL will guarantee that your Amiga is treated with the care and expertise that it deserves.

But that is just the beginning, your new Hard Drive will be given a full 12 Months At Home Warranty cover. Yes, if there is a warranty problem we will come to your home to fix it.

Of course what's the point of having at Home cover on your Hard Drive and not on your Amiga. So as part of the deal ICL will add a further 12 months at Home cover to your Amiga Completely **FREE**

Door to Door 85 Mb Hard Drive Enhancement Service £219.99
Door to Door 120 Mb Hard Drive Enhancement Service £279.99
Door to Door 170 Mb Hard Drive Enhancement Service £319.99

Complete with 12 Months At Home Service through ICL

* Amiga 1200 must be in full working order

PANASONIC AND CALCULUS THE WINNING TEAM!!

CALL AMIGA FREEPHONE 0800 444220 FOR YOUR FREE AMIGA PRINT DRIVERS.

PANASONIC KX - P2123

Voted the Best Selling Dot Matrix Colour Printer



WITH WORDWORTH AGA

The Ultimate word / document processor for the full range of Amiga Computers. Wordworths graphical nature makes producing documents faster and easier, with enhanced fonts, Collins Spellchecker and Thesaurus.

Wordworth's capacity for documents is limited only by the size of your disk drive and the amount of memory available in your Amiga.

FEATURES INCLUDE

The high performance KX - P2123 24 - pin quiet printer offers leading edge quiet printing technology at an affordable price.

* **Fast Printing Speeds** - 192 CPS draft, 64 CPS LQ and 32 CP SLQ.
* **Quiet Printing** - Super quiet 43.5 - 46 dBa sound level (most matrix printers are typically in excess of 60 dBa)
* **Colour Printing** - 7 Colour palette (blue, red, green, yellow, violet, magenta and black).
* **7 Resident Fonts** - Over 152,000 typestyles using Super LQ, Courier, Prestige, Bold PS, Roman, Script and Sans Serif.
* **24 - Pin Diamond Shaped Printhead** - High performance and high quality output.
* **1 Year Warranty** - For total peace of mind.

FREE DUSTCOVER

NEW LOWPRICE!! **£195.00** SAVE £25

You might be the fortunate owner of a Desktop Dynamite Pack and already have a Wordworth Package or maybe the idea of word processing isn't for you. Once again Calculus have the solution with the alternative of two great games. How's that for **ADDED VALUE?**



ALTERNATIVE TO WORDWORTH



BATMAN RETURNS

NEW GAME

An exciting program, the first free film simulation vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style.

WORTH £29.99

FRONTIER ELITE II

NEW GAME

You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. The goals to aim for are endless, the game is completely open ended.

WORTH £29.99

CHESHIRE

CALCULUS COMPUTERS
85 Witton Street Northwich
TEL 0606 47883

CALCULUS COMPUTERS
52 The Mall Golden Square Warrington
TEL 0925 575055

CALCULUS COMPUTERS
59 George Street Altrincham
TEL 061 9297433

STAFFORDSHIRE

CALCULUS COMPUTERS
Unit 30 Octagon Centre Burton-on-Trent
TEL 0283 517505

CALCULUS COMPUTERS
Unit 34 Ankerside Shopping Centre
TamworthTEL 0827 67776

GREATER MANCHESTER

CALCULUS COMPUTERS
18a The Galleries Shopping Centre
Market Street Wigan TEL 0942 323913

YORKSHIRE

CALCULUS COMPUTERS
67 The Moor Sheffield
TEL 0742 721192

CALCULUS COMPUTERS
11 Albion Arcade Bond Street
Centre Leeds TEL 0532 454098

HUMBERSIDE

CALCULUS COMPUTERS
Unit 11 Lower Ground 11 Princes
Quay Hull TEL 0482 585100

WEST MIDLANDS

CALCULUS COMPUTERS
48 Park Mall Saddlers Centre
Walsall TEL 0922 21700

CALCULUS COMPUTERS
80 The Parade Sutton Coldfield
TEL 021 355 4839

CALCULUS COMPUTERS
Unit 24 Orchard Walk West
Orchard Shopping Centre
Coventry TEL 0203 520778

LEICESTERSHIRE

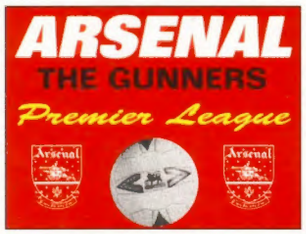
MAYS COMPUTERS
57 Church Gate Leicester
TEL 0533 516789

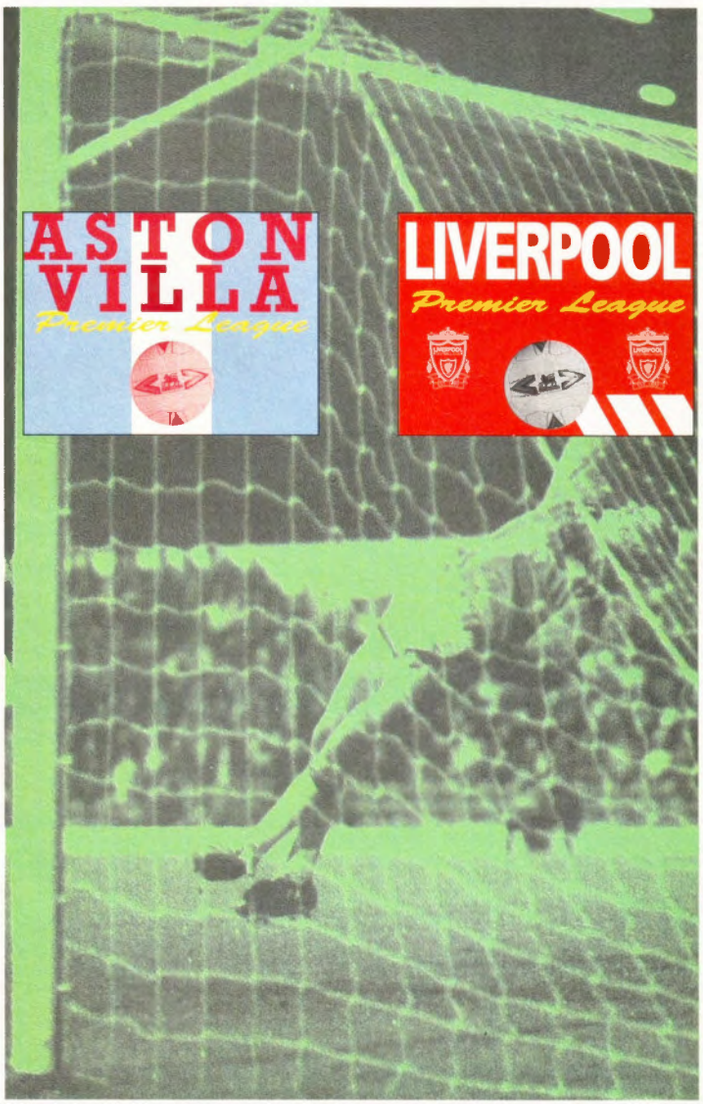
...Central Database Number 0543 418666...

CALCULUS

You can tell a real supporter by his mouse mat.







For just £6.99 there's a brand new way to show how much you support your team.

Mouse mats

Choose from our selection of today's top premiership clubs.

Each mat is specially designed with your club's name and crest on a non-slip surface that's bonded to heavy duty black sponge rubber.
Most importantly your club's badge is sealed beneath our tough polycarbonate coating so it won't mark, scratch or fade and wipes clean at the touch of a cloth.
In fact it will last a lifetime, just like your support.

"Footie Mats". Only from The Logic Shop.

❒ARSENAL ❒ASTON VILLA ❒BLACKBURN ROVERS ❒CHELSEA ❒COVENTRY CITY ❒CRYSTAL PALACE ❒EVERTON
❒IPSWICH TOWN ❒LEEDS UTD. ❒LIVERPOOL ❒MANCHESTER CITY ❒NORWICH CITY ❒OLDHAM ATHLETIC ❒Q. P. R.
❒SHEFFIELD UTD. ❒SHEFFIELD WED. ❒SOUTHAMPTON ❒SWINDON TOWN ❒WEST HAM UTD. ❒WIMBLEDON ❒CELTIC ❒RANGERS

Tick your choice on the list above and return this coupon with your payment to the address below.
Allow 28 days for delivery. Prices include post and packing.

Name: _____

Address: _____

Postcode: _____ Day Tel: _____

I wish to pay by: VISA ❒ ACCESS ❒

__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/ Credit card no. Expiry date __/__/__/__

Cheques / Postal orders should be made payable to: The Logic Shop.

THE LOGIC SHOP
5 LYNTON PARADE
CHESHUNT HERTS
EN8 8LF 0992 625323

SCREEN PLAY

TRUST US...

Every month, *Amiga Format* brings you the best in game reviews. We are committed to telling you exactly what is right or wrong with the game, and we don't pull our punches.

Once, we were all punters too, and all of us have had a nasty experience with duff games at some time.

We don't want that to happen to you, so every game we receive has a whole host of tests to pass before it gets our ultimate accolade – the *Amiga Format* Gold.

We stick to four golden rules:

a) If a game isn't finished, then we won't review it.

b) If it's poor-quality, then we will say so, no matter what the softies think of us.

c) We have never, and will never, review a game 'on-site'.

d) If we are forced to take sides, it will always be your side we take. Trust us, and we'll look after you.

IN THIS ISSUE...

Next Big Thing	p51
Coming Attractions	p52
BlueByte feature	p56
K240	p60
Rugby League Coach	p62
Syndicate upgrade offer	p64
Arcade Pool	p65
Mr Nutz	p68
Darkmere	p70
Total Carnage	p72
Innocent Until Caught	p74
Apocalypse	p78
Wrecked	p79
3D Blockout	p79
CD32 round-up	p85

(Amiga Sports: Football, Fury of the Furries, Global Effect, The Chaos Engine, Lotus Trilogy, Disposable Hero, Brutal Football, Project-X/F17 Challenge, Alien Breed Special Edition/Qwak)

Re-releases	p90

(Wing Commander, Team 17 Collection Vol 1, John Madden's Football, Wizkid, A-Train, Lethal Weapon, Zool 2 AGA)

Gamebusters	p93
Helping Hand	p98

IT'S GOT BALLS!

Is Arcade Pool the best game of the year? **See page 65**

INTRODUCING OUR PANEL OF GAME REVIEWERS...

ROB MEAD



Day trips over to Germany and an hour off every lunchtime. Some guys have all the luck. The Beer Thief is a man with a mission. No, not to drink an unfeasible amount of lager; rather to complete the extra *Syndicate* missions before he goes *Nutz*.

STEVE BRADLEY



Arcade Pool has arrived and Leeds have actually won a game. A broad grin and a pint of Samuel Smiths later, Leeds have lost and Dyson has beaten him at *Arcade Pool*. When your smiling, when your smiling, the whole world smiles with...

ANDY HUTCH...

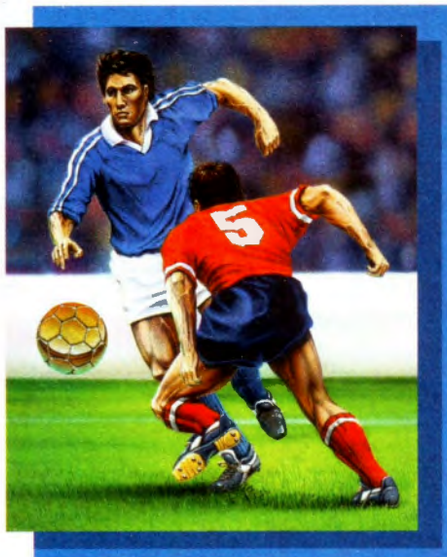


Well it's his own fault for having such a long surname. Anyway, young Hutchinson has spent many fruitful hours on another planet with *K240*, despite slight misgivings at the short title. "Now if only they could\ have called it *K240 Hutchin*... doh".

MARCUS DYSON



Never was genius so, erm flawed. No that's wrong – spectacularly unflawed. That's it. Never was genius so spectacularly unflawed. Not that Dyson has actually reviewed any games this month, it's just that genius must be recognised. Right?



SIERRA SOCCER
World Challenge Edition

THE BEST OF SOCCER ON AMIGA!

Amigas, Soccer and Sierra have come together in a dynamic coktail of excitement and entertainment to bring you a whole new ball game!

World teams, whose players each have six defined abilities, play incredibly realistic football matches on your screen. Dribbling, after-touch, heading, slide-tackling and the most amazing shots await all who dare pitch their skills in this World Challenge arena.

Do you have the skill to win the Cup ? Play it. Be overawed. Then play it again, and again...

Features:

- 1 to 8 players
- Adjustable game duration of 2 to 20 minutes
- Over 500 team members, each with own ability levels
- 26 of the World's top teams
- Option to create over 40 new teams
- In-game substitution and formation changes
- VCR replay includes slow-motion and freeze-frame
- Digital sound effects and speech
- Over 4000 animated player images
- Penalty shoot-outs
- Ref, linesmen, physiotherapists and stretcher teams
- And much, much more...!

COMPATIBLE WITH ALL AMIGAS INCLUDING A500, A600, A1200.

A Dynamix Production







The legendary King's Quest VI

HERE AT LAST FOR THE AMIGA!



In this timeless tale, you help the shipwrecked Prince Alexander make his way across a series of mysterious islands in search of a princess in peril. You'll need all your wits and imagination to overcome the gauntlet of baffling puzzles and fanstastic creatures that block you on your quest. Every choice you make can affect your future options and the attitudes of the many characters you'll encounter. Depending on your skill and the paths you follow, your adventure can end in many different ways....

Features:

- More puzzles and a greater variety of challenges than any King's Quest episode.
- The biggest adventure game ever seen on the Amiga! Endless hours of gameplay guaranteed!
- Game fully adapted for the Amiga, offering exceptionally fluid animations.
- Beautiful graphics in 256 colours or 32 colours.
- Multiple paths: your choices determine the story's ending.
- 40% of the game is fully optional. An adventure so vast, you may never see it all!
- Very user-friendly point-and-click interface.
- Special music adapted for the Amiga.

2 versions available :

- *256 colours : compatible with A1200 and A4000.*
- *32 colours : compatible with all Amigas including A500, A600, A1200.*







A SIERRA Production

SIERRA®

Sierra On-Line • 4 Brewery Court • Theale • Reading • Berks • RG7 5AJ • CUSTOMER SUPPORT Tel.: (0) 734 303171

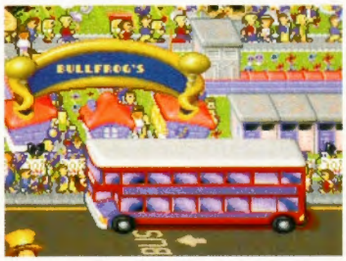
® and/or TM designate trademarks of, or licensed to Sierra On-Line, Inc. All rights reserved.



WHITE KNUCKLE RIDERS



Don't waste your dosh on rain-soaked excursions to the funfair, take a leaf out of the Bullfrog's book and create your own theme park instead. Rob Mead is your guide.



A bus full of day-trippers craving for candy floss and white knuckle rides pulls up outside your theme park.

Who can forget their first ride on a roller-coaster? Your pulse starts to race as the car is winched to the top, and then whoosh! It shoots over the edge and screams around the narrow-gauge rails of a twisting track, leaving your lunch somewhere at the beginning.

Well now you can create your own fairground attractions in *Theme Park*, Bullfrog's latest and greatest god game. The plot is simple. A rich and eccentric aunt dies leaving you piles of dough to spend on building the world's biggest and most profitable theme park. Unfortunately, you have 40 rivals all trying to do exactly the some and you have to use all your skills as park manager to outwit them all.

Theme Park operates on two levels. On the surface, it's a cutesy, cartoon game which enables you to create your own pleasure park with rides, shops and people in silly costumes, but underneath it's a highly-accurate and detailed business simulation including marketing, economics and wage negotiation.

Creating the perfect theme park involves a considerable number of different elements – for a start you have to choose and landscape your park's location, build a selection of up to 32 different rides (six of which can be designed by you) and hire staff to cope with the overwhelming influx of day-trippers.

Naturally you need plenty of picnic areas, trees and fast-food shops to keep your visitors happy and toilets are essential so they don't have to pop home on the first bus to go to the loo!

Park and ride

One of the most remarkable aspects of *Theme Park* is that each visitor has his or her own personality which affects how much they enjoy the events you lay on for them. They can also communicate their feelings to other visitors – they tell each other about new attractions, but can also start moaning if they have to queue too long or feel hungry.

Crucial to your visitors' well-being is safety. Spend too little on maintenance and your rides rapidly start to deteriorate causing accidents, breakdowns and more frustrated queues. You can even make your park's patrons ill by placing fast-food joints too close to the more exciting attractions.

As with any theme park, getting an equitable balance between excitement and safety is one of the hardest things to accomplish. Spend too much on fast, exciting rides and your park is filled with bike-riding thugs intent on mugging and vandalising; make it too safe and it gets clogged with old people who just stand about whinging all the time.

Like Blue Byte's *The Settlers*, *Theme Park* takes a highly complex and involving subject and dresses it up with cutesy graphics and absorbing gameplay.

It's certainly one of the most original games we've seen for a long time and, for some, it's certain to become a way of life. *Theme Park* AGA is released in June through Electronic Arts with A500/A600 versions available a month later. The price is yet to be announced.



You want to fill your theme park with smiling people. If you don't keep them happy they start complaining.



The rollercoaster looks like fun, but don't tempt the punters with fast-food before they get on board.



Soon your theme park will be packed full of people, but make sure you get a good cross-section, or you'll run the risk of attracting young thugs or old grumpy people.



The world of theme parks is ready for you to explore in the Bullfrog's latest game.



Build plenty of fast-food joints to keep the punters happy, but don't put them too close to the rollercoaster rides.



The business simulation side of *Theme Park* involves negotiating wages and making marketing decisions.

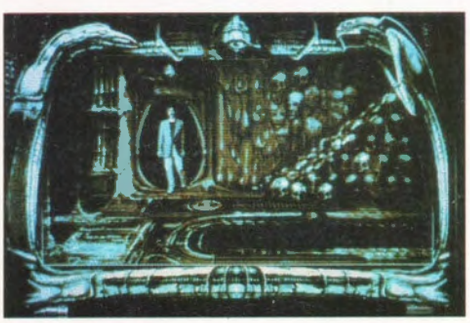
COMING AT

Tanks, boats and a whole bunch of fiendish alien nasties are forming an orderly queue outside the Coming Attractions door this month. Rob Mead dons his commissionaire's outfit and charges them all five pence to get in.

STAY INFORMED!

Our up-to-the-minute listing of forthcoming releases

MAY		
Battletoads	Mindscape	Warty beat-em-up gets mid-price release
Big Sea	Krisalis	It's big and it's got quite a lot of water in it
Champ Mgr - End of Season	Domark	Footy management game update
Crash Dummies	Virgin	Less side-impact protection than a Volvo ad
Dennis and Gnasher	Alternative	Comic stars in their own graphic adventure
Detroit	Impressions	Build you own car empire in this strategy sim
Dreamweb	Empire	Violent top-down cyberpunk adventure
Ferrari Race of Champions	System 3	Impress the girls with your big red GTO
Flight of the Amazon Queen	Renegade	Atmospheric graphic adventure from Oz
Frontier: Elite 2 CD^{32}	Gametek	Gigantic space adventure from David Braben
Heimdall 2 CD^{32}	Core Design	Isometric role-playing game from Core
Humans 1 & 2 CD^{32}	Gametek	Two prehistoric games on one CD
Impossible Mission 2025	MicroProse	90s version of Laser Squad classic
James Pond 3	Millennium	The slippery hero's best platformer yet?
King's Table	Gametek	Legend of Ragnarok in board game drama
On the Ball	Ascon/Daze	Footy management game from Germany
Pinkie	Millennium	He's cute, he's cuddly and he's, er, pink
Putty Squad AGA, CD^{32}	System 3	Mutant offspring of platformer *Super Putty*
Rings of Medusa	Krisalis	Uh oh! Scary haircut alert
Rugby League Manager	Alternative	Full-price rugby game from budget specialists
Sensible Soccer Inter'l Ed.	Renegade	Stop gap World Cup cash-in from Sensible
Super Stardust CD^{32}	Bloodhouse/Daze	Enhanced *Asteroids*-style shooter
Theme Park AGA	Electronic Arts	Bullfrog's god-game
Turbo Trax	ASD/Daze	Top-down five-level racing game
Uridium 2 CD32	Renegade	Graftgold's horizontally-scrolling shoot-em-up
Wembley Inter'l Soccer	Audiogenic	Slick footy game from sports sim specialists
JUNE		
Black Gold	Krisalis	Something to do with oil prospecting, perhaps?
Brutal Soccer	Millennium	More blood and guts than Milwall away
Diggers CD^{32}	Millennium	Toby Simpson's puzzler leaves bundle
England World Cup 94	Grandslam	England get to the States after all
Evasive Action	Mindscape	Arcade flight sim with *TFX*-ish graphics
Formula One (TBC)	Krisalis	Fast and furious racing action
Kick Off 3	Anco/Imagineer	Dino Dini's influence isonly in the title
Legacy of Sorasil CD^{32}	Gremlin	*Dungeons 'n' Dragons* style isometric scroller
Overlord/D-Day	Virgin	Relive the glory days of the Second World War
Rise of the Robots	Mirage	Futuristic beat-em-up with space age graphics
TFX	Ocean	Police the world's trouble spots in this flight sim
Tracksuit Manager '94	Alternative	Footy management antics from Alternative
Wembley Inter'l Rugby	Audiogenic	World's first arcade rugby game, allegedly
World Cup USA '94	US Gold	Officially licensed arcade soccer game
JULY		
Litil Divil	Gremlin	Hilarious cartoon adventure with a lazy hero
Top Gear 2 AGA	Gremlin	Racing thrills from the creators of *Lotus*
Universe	Core Design	Atmospheric sci-fi graphic adventure



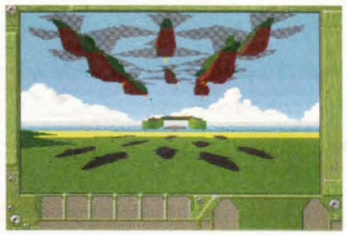
DARK SEED

HR Giger's chillingly grisly graphic adventure *Dark Seed* slimes its way on to the CD^{32} in June, price £29.99. More details from Cyberdreams on 071-328 3267.

BATTLE ISLE 2



Blue Byte's *Battle Isle 2* promises to be even bigger and better than the original game.



***Battle Isle 2* includes a Campaign section with 20 different combat scenarios.**

German programmers Blue Byte have announced details of their forthcoming sequel to the highly-successful *Battle Isle* (*AF*29, 90 per cent) war game.

Battle Isle 2 again follows the eternal futuristic conflict between the Drullic Empire and TITAN-NET and features the same hex map-based movement system. However there are significant changes.

Firstly the game now incorporates extended 3D battle sequences with ray-traced animations of all the vehicles used in battle. The animations are used to show the effects of clashes between rival units and look extremely impressive. It's just like being on a real battleground.

The next significant advance is the multi-player option which enables up to seven human and/or computer-controlled players to play against each other. There's also a Campaign section featuring 20 scenarios.

The hex mapping system has also been greatly improved. The controls have been simplified, the amount of detail extended and the actual hexes themselves have been made less intrusive. *Battle Isle*'s original split-screen has been replaced with a single-screen mode so you can move and attack in one turn.

The gameplay has also been tweaked. Your units now depend on a constant supply of fuel and ammunition, so guarding the supply lines becomes crucial.

Another factor affecting the gameplay is that veteran units can suddenly be recalled and replaced by inexperienced ones, causing the course of a battle to change. Units also have limited radar range, so spying on enemy positions is more problematic and the results of your strategy less predictable.

Battle Isle 2 goes on sale in September, price to be announced, for AGA machines only. A hard drive will probably be essential. Contact Kompart on 0438 840004.

● **Blue Byte feature page 56.**

KINGS QUEST 6

Sierra's re-entry into the Amiga market continues apace with the release of a new graphic adventure from *Beneath A Steel Sky* creators Revolution Software.



Poor Prince Alexander has suffered a tropical storm too many and ended up on a deserted beach. The search for Princess Cassima is on.

***Kings Quest 6* follows the fortunes of Prince Alexander as he sets off in search of his missing Princess Cassima who's been forced into a loveless marriage by the evil Vizier. The action takes place over six different islands called the Green Isles and involves many treacherous sub-plots and brain-teasing puzzles which you have to work your way through. However, because the game follows a non-linear format, there is more than one way to complete it successfully.**

***Kings Quest 6* is available now, price £34.99. Keep an eye out for the review in the next issue of *Amiga Format* or give Sierra a ring on 0734 303322 for further details.**

TRACTIONS

UFO: ENEMY UNKNOWN



The aliens have turned nasty and it's up to you to save the world in *UFO: Enemy Unknown*.



Based on the classic *Laser Squad*, *UFO: Enemy Unknown* puts you in charge of the XComm unit.

MicroProse have teamed up with developers Mythos Games to produce the long-awaited sequel to *Laser Squad* (*AF5*, FG93 per cent).

UFO: Enemy Unknown takes *Laser Squad's* tactical shoot-em-up element, gives it a different isometric viewpoint and adds a healthy dose of strategy to the mix.

It's 1999 and inhabitants of the planet Earth are reporting increased sightings of spacecraft. Attempts to communicate with the aliens are met with murder, terrorism and the slaughter of livestock.

There's only one solution: a special fighting unit called XComm is established to combat the alien invasion, and you are placed in control.

UFO Enemy Unknown's strategy element revolves around the control of XComm bases which are scattered across a fully-working model of the Earth. You have to try to combat the alien threat in each sector while marvelling at the textured terrain and night/day sequences.

The game also features a random mission generator so you can defeat the aliens in one part of the world only for trouble to flare up somewhere else. The tactical section of the game has an arcade feel as you guide a squad of soldiers across an isometric landscape on a series of seek-and-destroy missions.

UFO: Enemy Unknown is out in June, price £34.99. Call Microprose on 0454 326532 for details.

ZODIAC TIMEWARP

Forget everything you know about the 20th Century. According to Core Design the colour TV and microwaves are a figment of the imagination. Even by 1999, the most advanced piece of military kit will be a turbo-prop fighter plane called the Banshee.

***Banshee* is a vertically-scrolling, top-down shoot-em-up featuring six levels of blasting action, a wide variety of special weapons and a two-player mode. You play a fearless pilot sent on a suicidal mission against Blardax Maldrear, evil ruler of the Styx Republic and brains behind a plague of nuclear machines and genetic mutations. *Banshee* is available for the A1200 and CD^{32} only from June, price to be announced.**

Also coming soon is *Dragonstone*, an isometric RPG which bears more than a passing resemblance to Core's *Darkmere* which is reviewed on page 70 of this issue. Although both games have been developed by the same programming team and feature macho sword-wielding heroes, Core assure us the similarities are only skin deep. *Darkstone* features plenty of taxing puzzles, six massive levels and dozens of characters for you to meet as you traverse the gameworld battling the Agon hordes and evil powers that threaten to engulf your world. More details on both *Banshee* and *Dragonstone* can be obtained from Core Design on 0332 297797.



At the beginning of *Dragonstone* you meet a wise old witch who sends you on a quest to defeat the malevolent dragontime.



Square-jawed hero Sven Svardensvart takes on the might of the Styxian Empire in Core Design's top-down shoot-em-up *Banshee*.

IT WAS 50 YEARS AGO...

Impressions' are commemorating the 50th anniversary of D-Day with a new wargame utilising their famed Micro Miniatures battle system. *D-Day: The Beginning Of The End* enables you to attack or defend Hitler's Fortress Europe. With a wealth of historical detail and virtually identical gameplay to the recently-released American Civil War sim *Blue and the Grey* (*AF*57, 52 per cent), *D-Day* promises to be an absorbing game. It is released in June, price £34.99.

July sees the release of another Impressions game, *Lords Of The Realm*, based on the Norman invasion in 1066. You are in control of the social, economic and military welfare of a county while furthering your ambition to be the new king of England. Game features include digitised video sequences and modem-play settings. For more information on both games call Impressions on 071-351 2133.



Design and build your own mediaeval fortress then defend it from attack in Impressions' strategy sim *Lords Of The Realm*.



You are in charge of a county in *Lords Of The Realm*, but you have designs on the throne.



The *Dizzy CD Collection* features 10 eggy arcade games including *Fantasy Land Dizzy* and *Kwik Snax*. Available June, price £21.99 from Codemasters, 0926 814132.



The world's oldest superhero makes a surprise appearance on the CD^{32} this Summer in *Captain Dynamo*. Price £14.99 from Codemasters 0926 814132.

GRAFTGOLD JOINS WORLD CUP FRENZY

Top Amiga developers Graftgold have succumbed to the footymania sweeping the nation and developed their own 11-a-side game for Empire Software.

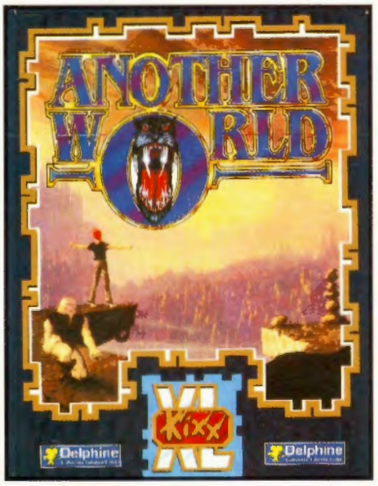
***Empire Soccer '94* features 32 national sides, multi-player options and three different game styles including a full World Cup tournament. Each team in *Empire Soccer* has six super powers which give them temporary superiority over their opponents. Super Barge, for example, gives you the ability to knock down any other player for 10 seconds. Another nice touch is the ability to knock down the ref and foul players while he's not looking, and use the goalie to stick balls into the net.**



The goalie takes a nap while Maradona charges up the centre and deposits the ball neatly in the onion bag.

games that stretch you



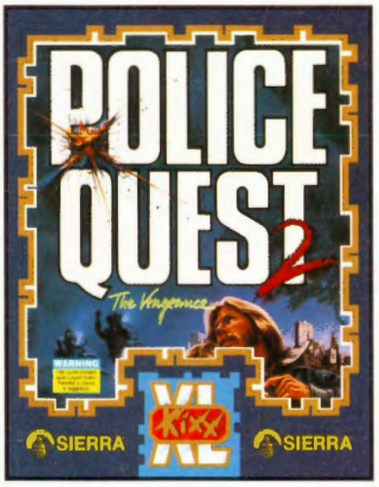


£14.99

Atari ST, CBM Amiga, PC & Compatibles 3.5"

"Another World is a superb product, extremely classy and very very playable"

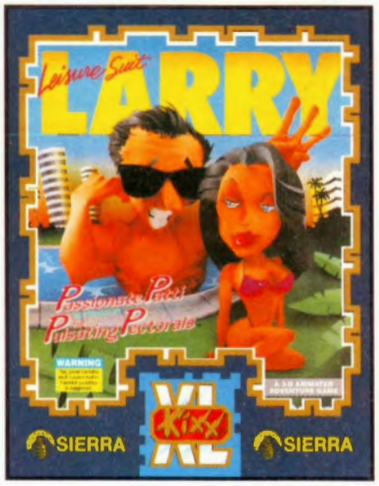
THE ONE 93%



£14.99

Atari ST, CBM Amiga, PC & Compatibles 3.5"

"Graphically the game is faultless...very compulsive and addictive" *YOUR AMIGA*



£14.99 *Amiga £16.99

Atari ST, CBM Amiga, PC & Compatibles 3.5"

"The graphics on this Sierra adventure are brilliant" *AMIGA ACTION*



£12.99

Atari ST, CBM Amiga, PC & Compatibles 3.5"

" Great graphics and gameplay...buy it!"

AMIGA FORCE

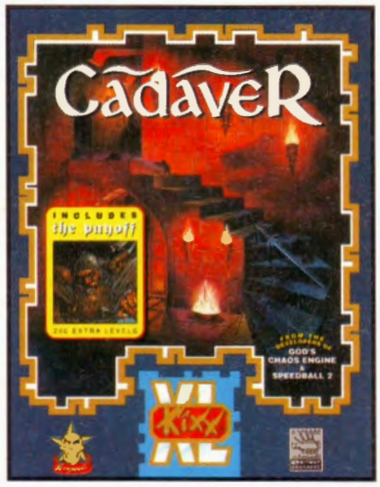


£14.99

Atari ST/STE, CBM Amiga PC & Compatibles 3.5"

certainly the best fighting game on Amiga"

AMIGA FORMAT 87%



£14.99

Atari ST, CBM Amiga, PC & Compatibles 3.5"

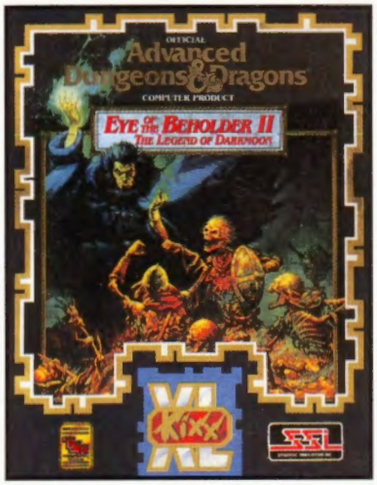
"A classic game that is a worthy addition to anyone's collection" *AMIGA ACTION 84%*

OTHER titles on the LOOSE

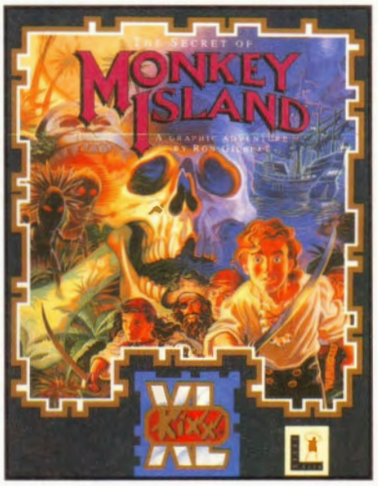
THEIR FINEST MISSIONS
VOLUME ONE

are gonna 'til you Squeak

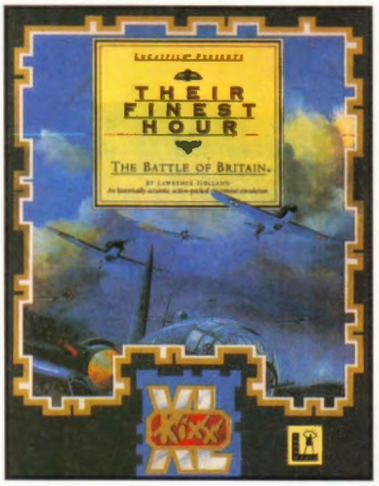




£16.99
CBM Amiga, PC & Compatibles 3.5"
"This will make even the most anti of anti RPGers eat their hats" *PC FORMAT 89%*



£16.99
Atari ST, CBM Amiga, PC & Compatibles 3.5"
"A total entertainment packed, relaxed, funny, fresh" *AMIGA FORMAT 92%*



£16.99
Atari ST, CBM Amiga, PC & Compatibles 3.5"
"Their Finest Hour is a great game, it captures the real flavour of World War II dogfighting" *AMIGA FORMAT 90%*



£14.99
C64 disk, Atari ST, CBM Amiga, PC & Compatibles 3.5"
"A must for all sports simulation fans" *C&VG*

For top quality games that'll stretch ***you*** not your budget, click onto KIXX XL.
Featuring the world's most highly acclaimed publishers, our vast range is packed with every gaming genre, from graphic adventures and role-playing titles to flight and sport simulations.
KIXX XL. With these prices, there's no limit to the fun.

Quality & CHOICE... Make the ConneXion

XL-03

To receive your copy of the KIXX XL catalogue, please complete this coupon and send it along with a s.a.e to the address below:

Name: .....

Address: ..... Postcode: .....

Date of Birth: .....

Format: C64 cass/C64 disk/Atari ST/CBM Amiga/PC 3.5"
(Delete as appropriate)

KIXX XL

KIXX, 1-4 Cuckoo Wharf, Lichfield Road, Birmingham B6 7SS. Tel: 021 606 1800 Fax: 021 606 1824.

All trademarks are acknowledged as the property of their respective owners.









With five Format Gold games in the last three years Blue Byte must be doing something right. Rob Mead wings his way over to Germany to discover the secret of their success...



VORSPRUNG DURCH AMIGA

David Braben, Andy Braybrook, and the Bitmap Brothers. These people are well-known for producing some of the best games ever to appear on the Amiga.

Now it's time to add another name to that role of honour – Blue Byte, the 20-strong band of developers from Dusseldorf who have thrilled with games like *Battle Isle*, *History Line* and *The Settlers*.

Formed just six years ago, Blue Byte have emerged as one of the top development and publishing houses in Europe with a string of *Format* Gold-winning titles to their credit and a range of ambitious projects in the pipeline. Their biggest success is cutesy god-game *The Settlers* which has sold more than 50,000 copies on the Amiga since the end of 1993.

Managing director Thomas Hertzler set up Blue Byte with his partner Lothar Schmitt after leaving Rainbow Arts in 1988. Their first game was *Great Courts*, a tennis sim which was a massive worldwide hit.

"Lothar and I were naive in the way we believed we could do better than everyone else in Germany. We found it was not that easy, but after a year we had our first release, *Great Courts*, which sold over 300,000 copies on six formats including Spectrum and C64."

Flushed with their initial success Thomas and Lothar began work on their first *Format* Gold winner *Battle Isle*. Despite the addition of two freelance programmers and a graphic artist, the new project took over 18 months to develop and failed to do as well as *Great Courts* when it was released throughout Eurape in 1991.

More control

Thomas blamed their former distribution company, UBI Soft. "We thought *Bottle Isle* was a good game, so what was the problem? Then we found out we had to have more control over the marketing if we wanted to have a massive hit. *Great Courts* was completely different. Everyone knows tennis and you don't have to

WORLD DOMINATION ENTERPRISES

There are very few games which can claim to have pushed back the boundaries of their genre, but every one of Blue Byte's major releases has done just that, making them landmarks in the history of Amiga games.



Battle Isle

Released: 1991. Reviewed *AF*29, FG90%

For years war gaming on the Amiga was dominated by stuffy, text-heavy adventures which only military purists found any pleasure in. *Battle Isle* changed all that. Instantly accessible with great-looking graphics, *Battle Isle* offered bags of playability and addiction while enabling you to concentrate on your game strategy instead of getting bogged down in superficial detail. The game was followed by a Scenario disk (Reviewed AF37, 72%) and an update called *Battle Isle '93* (Reviewed AF48, 81%).



Apidya

Released 1992. Reviewed *AF*35, FG90%

Blue Byte's sole excursion into arcade territory finds you in control of a venom-spewing wasp which has to fly through wave after wave of killer bees, fleas and butterflies. This unusual and colourful horizontally-scrolling shoot-em-up certainly has its weird moments, but it's also very fast, very addictive and very playable. Despite receiving tremendous reviews from the Amiga press, *Apidya* sold poorly and Blue Byte decided to concentrate on strategy and role-playing games from then on.





Top left: Blue Byte's motley team of workers in celebratory move. They've just moved into plush new offices in Mulheim, just outside Dusseldorf.

Top right: Amiga programmer Rainer Reber has been working on *Battle Isle 2* for about two months. We should see it in September.

Bottom right: Blue Byte MD Thomas Hertzler has a passion for loud shirts and fast cars, but agonises over the violence contained in some computer games.

Bottom left: Their biggest musical exports may have been Nena and Kraftwerk, but the Germans can still put together a kicking Wagnerian tune when it suits them.

do a lot of advertising for it. If the game is good it will sell even without advertising, even without good reviews, but if you hove a completely new product no-one knows, you have to go directly to the press and show them. All these things which UBI Soft never did because we were only one of many affiliate labels."

Thomas's frustration with UBI Soft lead to Blue Byte taking a far more active role in the marketing and publishing of their own games. *Battle Isle*'s lengthy gestation period also meant the company used the same game engine for their next major release *History Line 1914-1918*, a strategy sim which dealt with Germany's calamitous involvement in the First World War.

"We weren't very sure about the German reaction because we were dealing with a very difficult issue and what we found was that it was completely understood by the Germans and by everyone else in Europe. No-one said this is a war-game, we don't want to remember this time because the Germans started the war. It proved a German software house can do a war-game with a historical background."

To further distance themselves from any accusations of "war-mongering", Blue Byte established links with leading German universities in an attempt to understand the effects of violence in games on games players. "We care a lot about these problems," says Thomas.

This concern for their image has led Blue Byte to cultivate a European, not German, attitude towards the games they publish. Thomas argues it shouldn't be immediately obvious when you pick up a Blue Byte game that you're playing something from Germany – it should be as relevant to someone from Britain or France as it should be to someone from the Bundesrepublik. The other central tenet of Blue Byte's philosophy is that their games should be fun, easy-to-use and as accessible as possible.

" Blue Byte's philosophy is that games should be fun, easy-to-use and as accessible as possible. "

Supply and demand

This certainly worked in the case of *The Settlers* which marries the cute and colourful lives of a bunch of simple medieval folk with the rigours of a supply and demand economy.

"You can't make a good seller just with good advertising. You have to think what makes people play, what do people think if they play, what makes a good control system. Everything started with jump-and-run and shoot-em-up. There were many graphically good games, but the controls were very bad. Now five, six, seven years later the question is: what makes a game good? What makes it playable?" says Thomas.

Small Japanese

This praiseworthy obsession with quality software is replicated throughout the company. No-one has a monopoly of ideas and anyone at any stage is encouraged feed changes and improvements into a game's development.

This also means that people don't get pigeonholed into one aspect of a games development: "We are not small Japanese guys working on a production line," says Thomas with a grin.

This is surely the key to Blue Byte's success. Their games are geared towards a diverse international audience and they have a highly-motivated and tightly-knit workforce devoted to producing quality software.

So what can we expect next from the Blue Byte team? They are currently warking on a *Battle Isle* sequel due for release in September and a role-playing game from the creators of *Ambermoon* jokingly referred to as *DDT*.

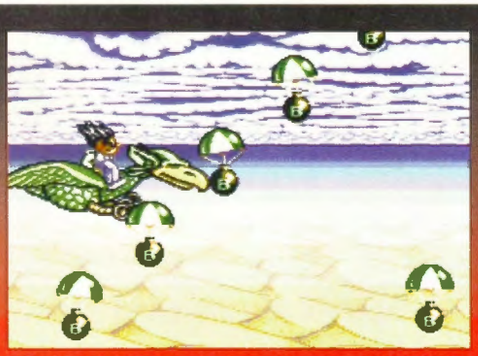
The eagerly-awaited new version of *Battle Isle* promises to be Blue Byte's best Amiga offering yet, which is really saying something given their track record. It will feature a completely redesigned game engine, rendered 3D combat sequences and a multi-player option.



History Line 1914-1918

Released 1993. Reviewed *AF43*, FG94%

Based on the *Battle Isle* game engine, *History Line* tackles the controversial subject of the Great War with a wealth of historical detail, improved graphics and juicy animated sequences. The futuristic conflicts of *Battle Isle* have been replaced with historically accurate battles, weapons and people. From building and defending trenches to controlling your supply lines, *History Line* is a chillingly realistic retelling of one of the world's bloodiest conflicts and is a damn fine war game to boot.



Yo! Joe!

Released 1993. Reviewed *AF50*, FG91%

Programmed for Japanese publishers Hudson Soft, *Yo! Joe!* doesn't readily fit in to the Blue Byte scheme of things. This platform games features all the usual running, jumping and killing baddies malarkey, but does it with considerable aplomb. What really sets *Yo! Joe!* apart are the huge, gorgeously-designed levels, its sheer addictiveness and high fun content. It's not as fast or, for that matter, as furious as many similar games, but its high degree of polish means that there are few better platformers.



The Settlers

Released 1993. Reviewed *AF54*, FG94%

Only Blue Byte could take the theories of economics and turn it into an exciting and rewarding god game. At one level *The Settlers* is a cutesy version of *Populous* – it's about building social structures, employing workers and doing battle with rival civilisations. At another level, it's all about managing an efficient supply and demand economy where each sector of the society is dependent on another. As soon as you see wonderful graphics and cute animations it's love at first sight. One of the best god games ever.

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30, MONDAY TO SATURDAY, (10-4.30PM SUNDAYS

Hobbyte

COMPUTING
ESTABLISHED 9 YEARS

10 MARKET PLACE
ST ALBANS HERTS AL3 5DG
TEL: (0727) 856005/841396

WARNING

Due to the exchange rate, or manufacturer's changes or due to current RAM shortage, some prices may alter, either up or down, during the several weeks between going to press and the end of the month of issue. We would ask that prices be confirmed by telephone before ordering.

HOW TO USE THIS AD

Exclusively from Hobbyte, you can choose your own Amiga and software combination and still benefit from the huge savings only available from package deals.
Want an A600 pack for small children? No problem!
A professional pack for music or programming? It's up to you!

CD PHOTO/GRAPHICS PACK FOR A4000

Take high quality images from CD (CDTV, CD32 or your own photographs processed onto KodakTM Photo CD) and input them for manipulation into any DTP or Art package in any IFF file format. Software provides full image processing and output support for 24-bit display cards such as Picasso, Retina, Picollo, Opal Vision, etc.

DTP YOUR OWN PHOTOS

System includes: Toshiba CD ROM drive, SCSI II control and software £594.90

or when purchased at the same time as A4000 ..... £569.90

Amiga 4000 memory	4MB SIMM	£159.99
Display Cards	Picasso 2MB	£309.90
	Retina 4MB	£459.90
Image Processing s/w	Art Dept Pro 2.5	£129.00
	Image FX	£179.90
Photo-Realistic Printing	Primera Colour Printer with 100 Print Pack	£899.90

OLD AMIGA TRADE-IN*

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/1200/4000/CD32 or even a PC.

After trade-in, equipment is checked and refurbished by our engineers and is then offered at bargain prices, complete with 3 months warranty.

A500s FROM £139
A1500s FROM £199

A600 SD/HD	from 159	HDs + Controllers	from 179
A3000s	from 499	GVP HD8 40/52	209/229
CDTV	179	XT/AT BBoard	50/91
A590 20/40MB	129/159		

OTHER ACCESSORIES - PLEASE ASK.
*Acceptance of pre-V2 machines may be limited

A500/600

REFURBISHED UNITS ONLY AVAILABLE

	INCLUDED AS STANDARD	ALONE £	HDS + STARTER £	WARRANTY	EXTRAS
A500+ CARTOON CLASSICS	Captain Planet, Lemmings, The Simpsons, DPaint III*	194.99	209.99	12 months return to base	Extra 1MB £35
A600 SD WILD, WEIRD AND WICKED	Silly Putty, F1 Grand Prix, Pushover, Deluxe Paint III*, 700 clip art set	194.99	209.99	12 months at home	Extra 1MB £30 • 2MB PCMCIA £169 Remember £45
A600 HD 85 EPIC	Epic, Rome, Myth, Trivial Pursuit, Amiga Text, Deluxe Paint III*, 700 clip art set	334.99	349.99		

Return to base HD versions are SD units fitted with top quality 3rd party drives and come with install disc + full documentation. *DPIII needs 2MB for animation on HD models.

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- Multi-million company with 10 years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays PLUS December late nights on Thursdays (St Albans only) for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branch
- Same day despatch for most orders received by 5.30 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Pre-despatch testing on Amiga systems
- Free 30 day courier collection and delivery of NEW replacement.(except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service
- BFPO and export welcome

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MOD, educational establishments etc. We are pleased to be placed on tender lists.
This expertise is available to all our customers.

A4000/ 30 & 40

A4000/30: AGA Chip Set + 68030 processor, 68882 25/50 MHz co-processor option, 256,000 colours from 16.6M, scan doubling for flicker free display, Mouse, Amiga 3.5"/1.76 MB 3.5" drive, Hard Drive as below, Amiga DOS 3.0 system and utilities.

A4000/40LC: Desktop as above, but featuring the blistering 68040 processor, with full floating point facilities.

A4000/40TW: Tower with full 040/FPW/MMU processor with SCSI-II & IDE 1/Faces. All above, full UK models with next day on-site

WITH FREE DPAINT IV AGA, Wordsworth 2 AGA + DIGITA PRINT MANAGER

WARRANTY UPGRADES:
Same As Wordsworth 2 £39.99
3yr Ext. Warranty £99.99

HD SIZE MB	A4000/30 1+1MB SUBTRACT £60	A4000/30 2+2MB STANDARD VERSION	A4000/30 2+4MB SUPER EXP. VERSION	A4000/40LC /40TW 2+4MB	A4000/40LC /40TW 2+4MB
80	WARNING - 1 + 1MB A4000s will not run most serious AGA s/w packages. If required, subtract £70 from 2 + 2MB prices	989	-	-	
120/130		1059		1589	
214		-		1699	
240/260		1089		-	
340		1189		-	
520/540		1389		2089	2159
1GB		-		-	2579
2GB		-		-	3249 SCSI-II

ADD £80 • ADD £80 • ADD £80 2+4 MB version comes with 2MB 32 bit RAM + one 4MB chip of fast RAM, for on-board expansion to 16MB.

PRICE CHANGES TELEPHONE FOR INFO

EXTRAS
Extra 2MB for 2+2 versions £99 • Extra 4MB for 2+4 versions £159 • 68882 copros - see "Expansion" (across) • 128MB SCSI Optical Drive for backups £599 • Hobbyte Autoscan 1438 monitor recommended £290

SEE 'EXPANSION' SECTION OPPOSITE
+ PHOTO GRAPHICS PACK SEE TOP LEFT

CD32 CONSOLE SPECIAL

Choose any* 3 CD discs (see software section) for **£59.90** *up to £34.99 RRP each

CD32 SOFTWARE

Over 75 titles specially written for the CD32 should be in stock (phone for list), inc. Syndicate, Zool 2, Jurassic Park, Chaos Engine, many of which include a full CD music track alongside the game. About half of existing CDTV titles are compatible. CD32 will also play normal music CDs and CD+G discs

CD32 Standard warranty is 12 months return to base.
12 months on-site warranty £39.99
Extra 2yrs on-site warranty £69.99

CD32 Console (with Oscar AGA, Wing Commander, Dangerous Streets, Diggers +Joypad FREE)
£279
Now with CHAOS ENGINE and MICROCOSM

CD32 + FMV Card as above
£425

AVAILABLE NOW!
Full Motion Video module for CD32 (with Free Music Video Disc) £189.99

COMING SOON
Floppy drive, Keyboard, Mouse CD32 for A1200

A1200

WITH ANY COMPUTER
CHAOS ENGINE, SYNDICATE, PINBALL FANTASIES, NICK FALDO'S CHALLENGE GOLF
ADD £17.99
OR LEMMINGS, SIMPSONS, CAPTAIN PLANET, PLUS D PAINT III
ADD £14.95

2MB Single Drive	269
+20MB HD	359
+60MB HD	419
+80MB HD	429
+120MB HD	479
+200MB HD	529
+340MB HD	679
Extra 4MB + clock fitted	ADD £200

**CBM APPROVED HARD DRIVES
Full legal installation/utility disc and documentation and come with CBM on-site warranty service.

DON'T FORGET YOUR STARTER PACK! ADD £15 (SEE VALUE PACKS BELOW)

SPECIAL
Citizen ABC 24 pin colour printer with sheetfeeder and Starter Pack .....ONLY £170

NIGEL MANSELL AGA, TROLLS AGA AND COMPILATION PACK
3 Top games
ADD £9.99

DESKTOP DYNAMITE PACK PLUS 2 HOT LIST TITLES
ADD £44

KIND WORDS 3
ADD £9.99

WORKS PLATINUM
ADD £19.99

NEW COMBAT/ INNOVATIONS PACK
ADD £44

HOBBYTE VALUE PACKS

Hobbyte are famous for their packs, allowing you to choose what you want, whilst still benefitting from package deal savings.
Remember, a bargain is only a bargain when you like what you get! So, if you aren't Wild, Weird or Wicked, Sleepwalker sends you to sleep, Space Ace leaves you feeeling empty and Paradroid does worse, if Basic basically isn't you, exercise your options and get real value for money from Hobbyte

TRAMPY'S AND NODDY'S PACK

Fun and educational for 2 to 11 years (Some help may be required)

SPECIAL WITH AMIGA £39 — ALONE £59

Noddy's Playtime OR Big Adventure OR Merlins Maths	8 magical learning games at 3 levels, PLUS Junior Art pack, keyboard overlay and map
	6 National Curriculum oriented games, stage 2, 7 to 11
The Shoe People OR Fun School 2	6 games with Trampy and friends, 6 years and under.
	The "Fun School" suite have won every award going. 5/6 wonderful animated games. 3 to 11 years, specify age.
Fun School 3 or 4 OR ADI Jnr Reading OR Counting	The loveable extra terrestrial entertains 4 - 7 year olds and helps towards achieving National Curriculum levels 1, 2+ 3
Deluxe Paint II + 700 Clip Art pics	Pics inc. children, Fairytale + Legend characters, Sport, Cartoons, etc.
Hobbyte Primary Educational PD Pack	Containing 10 fun while you learn games
Hobbyte 30 Easy Children's Games Pack	Simple games, or those with very easy levels. Even the youngest will be able to use some of these

SERIOUS USER'S PACK

Interested in music, programming and graphics? Then this pack is for you!

WITH AMIGA £39 — ALONE £49

Easy Amos	THE programming language. Wonderful manual is simple and entertaining - ideal for complete novices
OR AMOS Professional ADD £10 for this option	97% AF rating - the second highest rating EVER given. Learn to professionally create your own games, utilities. Loads of sample progs included
Hobbyte AMOS PD Greats	Dozens of utilities, Protracker music modules, example programmes that no AMOS programmer would be without.
Deluxe Paint III, plus 700 Clip Art pics	Create your own designs to incorporate into your AMOS progs
MIDI Recording Studio & MIDI Interface	If you have a MIDI instrument, this is everything you need to compose and edit your music
OR AmigaVision	Powerful presentation and production tool

STARTER PACK

A must for new users! All you need in one value pack

WITH AMIGA £15 — ALONE £25

10 blank discs	Make working copies of Workbench and other original applications discs as soon as you get them
Virus Killer	Check discs regularly, especially if sharing with friends
Mouse mat Plus Microswitched Joystick, 80 cap. lockable disc box, Dust Cover	Helps prevent dirt/dust collecting on mouse contacts

HOT BUG GAMES PACK

The top-selling Hobbyte Hot Lot pack now includes the ultimate joystick !!!

WITH AMIGA £44 — ALONE £59

"THE BUG"	The only joystick ever to be given a Gold rating 92% AF, positive single-handed action, small and lovely!
10 "Hot List" Games The GREATEST!	See listing to the right for current HOT LIST, or phone for latest changes. Children's games available.
80 Prog. Hobbyte PD Greats Pack II 10 blank discs, mouse mat, 80 capacity lockable disc box, plus dust cover	Includes top games like Battlecars, Star Trek, Computer Conflict, Megaball, dozens of arcade classics, board classics and 'shoot-em-ups', Utilities, Word Processor, Spreadsheet, Database + Desktop Publisher and the ultimate virus killers - a must for every Amiga owner!

DESKTOP DYNAMITE EXTRA

Wordsworth 2 AGA.
Deluxe Paint IV AGA
Digita Print Manager
Dennis the Menace AGA
Oscar AGA
Trolls AGA
PLUS
2 'Hot List' titles
YOUR CHOICE - SEE ACROSS

SPECIAL WITH AMIGA £44 — ALONE £59

Wordsworth + Deluxe Paint IV are top packages in their fields, EACH with RRP's almost twice the total pack price. Together they can produce high quality documents including graphics in up to 256,000 colours

THE HOT LIST

GREAT individually packaged games, BETTER THAN THE REST !!
(previous RRPs up to £39.99 each)
ANY 10 £29.99
Or see packs across

Thunderbirds (7yrs+) ‡ - 92% AF
Silly Putty - 90%+ lots of mags
Elf/Toki/Puzznic (counts as 2) ‡
Paperboy II ‡
Die Hard 2
Colossus Chess @
Challenge Golf
Battleships classic board game
Groeme Souness Soccer
Neighbours
Frankenstein ‡ @
Captain Planet
Silkworm Helicopter @ 93% CU
Tag Team Wrestling
Edd the Duck ‡
Stack Up ‡
Lemmings 92% AF
Round the Bend ‡
Fist Fighter
Sporting Triangles
World Cricket
Bart Simpson
Spiderman/Cptn America ‡ @
Arcade Trivia
Xenon - C+VG Game of the Month
Blade Warrior - A Power, AF, AAction superb reviews
Arnie
AWARD WINNERS
Space Ace, Kick Off, PipeMania, Populuos (counts as 2)

‡ PARTICULARLY SUITABLE FOR CHILDREN (MAY NEED HELP) @ NOT A1200 COMPATIBLE TITLES MAY VARY

KIND WORDS 3 ADD £9.99 — WORKS PLATINUM ADD £19.99 — NEW COMBAT/INNOVATIONS PACK ADD £44

*DPIII needs 2MB for animation on HD models.

• AMIGA SPECIALISTS • STAR GOLD DEALER • CDTV CENTRE • PHILIPS APPOINTED DEALER •

MONITORS/ACCESSORIES

CBM 1084SD 1084/1085 + leads 194.90
CBM 1942 dual sync .28 dpi AGA monitor + speakers 339.90

MICROVITEC AUTOSCAN 1438 14" .28dp low radiation 15-40kHz for 1200/4000, infinately variable scan rates between 15KHz (default on boot-up) and 40 KHz for all AGA modes in this range.
With tilt and swivwl stand. 294.90
Microvitec Cub-scan 1440 14" .28dpi (with full screen control) 399.90
Microvitec Cub-scan .28dpi for 1200/4000 as above, but 20" 1039.99
Microvitec Cub-scan .1782, 17", .27dpi, 29-82 KHz horiz. scan 889.99
Adaptor for A1200/Microvitec (not required for 4000) 19.99
Panasonic 1537 31-62kHz 14" 519.90
Philips Brilliance 2110 21" 1790.90
Zy-Fi Speakers 37.90
Zy-Fi Pro Speakers 57.90

FLOPPY DRIVES

Zappo 3.5 external drive, daisychain + on/off 48.50
NEW AMITEK (Sony) 31/2" Ext. Drive anti-click/anti-virus 56.50
PC 880B with anti click + Blitz back up and virus protector, Cyclone compatible. 75.99
Dual drive as PC 880B 124.99
High density 1.76MB ext. drive for any Amiga (WB 2) 88.50
High density 1.76MB ext. drive for any Amiga (WB 2) + 10 HD Discs 94.95
HD internal floppy for500/600/1200 ..... 84.90
A500 replacement internal floppy 39.99
A600/1200 replacement internal floppy 39.99

HARD DRIVES/ACCELERATORS

1500/2000

GVP HC8/80MB 239.99
GVP HC8/120MB 289.99
GVP HC8/170MB 319.99
GVP HC8/270MB 379.99
G Force 030 40MHZ 4MB 564.99
G Force 040 33MHZ 4MB 999.99
Extra 2MB for above ..... POA
Trifecta SCSI 80MB HD 234.90

3000/4000

Fastlane SCSI II controller for 4000 ..... 299.90
DKB 4098I SCSI II 269.99
128MB int. SCSI optical drive 599.90
128MB discs for above 34.95
A4000 80MB 119.99
A4000 130MB 179.99
A4000 170MB 199.99
A4000 260MB 239.99
A4000 340MB 299.99
A4000 540MB 599.99
128 SCSI opticaldrive for backups 619.90
Self fitting - fitting by our engineers ADD £15

500

A530 1MB 40MB 392.00
A530 1MB 80MB 489.00
A530 1MB 120MB 589.99
A530 1MB 213MB 693.99
A530 68882 ..... 218.99
Microbotics VXL30 25MHz 219.99
VXL 30 40MHz 339.99
GVP HD8 80MB 249.99
GVP HD8 120MB 299.99
GVP HD8 170MB 329.99
GVP HD8 270MB 389.99
SOME HD8 REFURBS AVAILABLE ..... FROM £169

A590 20MB 139.90
A500 Internal 20MB HD 184.99
A500 Internal 60MB HD 249.99
A500 Internal 80MB HD 279.99
A500 Internal 120MB HD 339.99
Trifecta SCSI 80MB HD 289.99
A570 for 2.04 1MB 500 + **FREE** Fred Fish & Hutchinsons Encyclopaedia 98.90

A600/1200

GVP M1230 II 40MHz 239.90
GVP M1230 II 40MHz 4MB 439.99
GVP M1230 II 50MHz 4MB +MMU 559.99

A600/1200 HD UPGRADES

	SELF FITTING* (on-site invalidated)	CBM APPROVED FITTING** (with on-site)
20MB	89.99	-
60MB	149.99	199.00
80/85MB	169.99	234.00
120/127MB	219.99	274.00
170MB	254.99	314.00
240/250MB	329.00	499.00
INTERNAL CLOCK		POA

*with cable & disc ADD £14.99 for Hobbyte fitting
**Including FREE courier collection & delivery

1200 OVERDRIVE EXTERNAL HDs

Overdrive 35 NO HD 139.50
Overdrive 35 80MB HD 237.50
Overdrive 35 120/130MB HD 297.50
Overdrive 35 220/260MB HD 337.50
Overdrive 35 340MB HD 417.50
Overdrive 35 540MB HD ..... POA

AMIGA 24 BIT HARDWARE

TOASTER COMING SOON!
DCTV 376.99
GVP IV + VIU-S 965.99
GVP IV + VIU-CT 1255.99
Impact Vision 24 ..... POA

HARLEQUIN 32 BIT FRAMEMAKER BOARD

- **16.7 million colour** photo realistic display • **real time 24 bit animation**
- **Optional Alpha Channel** - superimpose high quality graphics onto live signal, or smoothly blend paint images • **Optional Double Buffering** - 2, 24 bit displays instantly available

SUPPORTS: TV Paint, Vlab, Caligari, Sympatica, Ad Pro, Real 3D + others

H1500 1.5MB £929
H2000 2MB + Alpha £999
H3000 3MB +D/Buffer £1099
H4000 4MB + Alpha +D/Buffer £1279
Genlock £199

*SPECIAL £400 OFF
*H2000 Plus £1479
*H4000 Plus £1149
+ HiRaiX for real time adjustment of colour, gamma, etc.

AMIGA NETWORKING PHONE!

PICASSO 24 BIT GRAPHICS CARD + FREE TV PAINT JUNIOR **£324.99**

PICCOLO 24 BIT GRAPHICS CARD
16.7 million colours, on-board blitter, 1MB exp to 2MB video RAM, fully programmable resolution, double buffering + multiple screen + AREXX. support. Supports leading graphics packages/applications. With FREE TV Paint Jnr **£379.99**

RAINBOW III 24 BIT GRAPHICS CARD + VIDEO CONTROLLER **£1489.99**
Similar to Piccolo but with 4MB video RAM, programmable resolution to 1600 x 1280, built -in video controller inc. 110MHz clock. With FREE TV Paint Jnr.

PEGGY MPEG VIDEO CARD **£479.99**
Take 24 bit animations from disc or other storage devices and replay in real-time through the Amiga! Use integrated genlock to overlay Amiga graphics for sophisticated fitting and special effects, to produce stunning promotional/training videos, or games with live video footage. Near SVHS quality, 16.7M colours, MPEG tools + library functions, 25 frames/sec playback.
YC Output module for Peggy £129.99
MPeg encoder option for Peggy £349.99

OPAL VISION (for 3000/4000)
24 bit board v2+ Opal Paint, Opal Presents, Opal Hotkey, Opal AnimMATE ..£339.99
IF YOU HAVE PURCHASED OPALVISION, YOU MAY HAVE RECEIVED VOUCHERS AGAINST THE FOLLOWING NEW PRODUCTS., WHICH WILL BE ACCEPTED BY HOBBYTE IN PART PAYMENT
Video Processor for Opal Vision WITH VOUCHERS 647.99
Video Suite for Opal Vision WITH VOUCHERS 647.99
Scan Rate Converter for OpalVision WITH VOUCHERS 647.99
Retina 24 bit graphics card + 1MB + VD Paint 329.00
Retina 24 bit graphics card + 2MB + VD Paint 395.00
Retina 24 bit graphics card + 4MB + VD Paint 489.00
V lab 24 bit real time digitiser 1200/600/500 ext ..... FREE 334.99
V lab 24 bit real time digitiser 1500/3000/4000 int ..... V lab Promo available with Harlequin (see above) 289.99
V Lab 4000/3000 int SVHS 334.99

EMULATION

G Gate 386sx 25MHz ..... POA
GVP 40/4 for 1500 ..... 945.99
AT Once 214.99
386/486 Bridgeboard ..... POA
Emplant Deluxe 389.90

SCANNERS & DIGITISERS

Epson GT 6500, 600dpi 24 bit A4 inc. ASDG Scan s/w + cable 679.00
Epson GT 8000,800dpi 24 bit A4 inc. ASDG Scan s/w + cable 889.90
Transparency Adaptor for above 499.00
Power Hand Scanner, 400 dpi, 64 Greyscale, V3 Powerscan software 98.90
Power Hand Scanner 4 256 Greyscale + s/w 118.99
OCR software for Power Scanner 48.50
Power Colour Hand Scanner V4 238.49
Sharp JX 100 A6 Scanner + scanlab s/w up to 18 bit 469.99
Summa Sketch II A4 with s/w/A3 Tablet Digitiser ..... 359.99/.....529.99

GENLOCKS/MODEMS

Rendale 8802 (1200 compat) 139.99
Rendale 8802 FMC 159.95
Rendale 8802 SUHS ("Fred") 249.99
Rendale 8806 ..... 469.99
Hama Genlock 292 ..... 283.90
Hama Genlock S290 ..... 689.99
GVP G-Lock 283.90
Rocgen+ 1200 compat 138.50
Rocgen Rockey 289.99
Rocgen +Rockey Bundle ..419.99
Supra 2400 Modem 78.95
Supra Fax Modem 148.90

ACCESSORIES & DISCS

A500/600/1200 printer centre..28.99
A500/1200 control centre 34.90
A600 control centre 27.90
Brickette CDTV Joystick adapt. ..39.99
10 Blank DS/DD discs in box 4.99
10 Blank DS/HD discs 6.99
A520 Modulator 29.99
Amitec Modulator 34.99
Alien/Batman/T2 Joystick 10.99
Bug Joystick 11.99
CDTV Keyboard 54.99
50 Blank DS/DD discs 17.99
50 Blank DS/HD discs 27.99
Disc Expander 34.90

EXPANSION

A500 512k Ram Exp+Clock 21.99
A500+ 1MB exp 29.99
A500+ 2MB, exp. to 8MB 149.99
A601 ..... 37.99
A600/1200 2MB exp (card) 115.99
A600/1200 4MB exp (card) 169.99
CDTV 1MB exp + Super Agnus 157.99
A500 Rom Sharer 1.3 ..... 37.95
A500 Rom Sharer 2.04 ..... 38.95
A600 Rom Sharer + 1.3 ..... 49.95
A2065 Ethernet Card 229.95
PC 1208 bare + clock 65.90
PC 1208 2MB ..... FPUs - SEE ACROSS 137.90
PC 1208 4MB 197.90
PC 1208 8MB 396.90

MBX 1200 bare 64.90
MBX 1200 2MB ..... FPUs - SEE BELOW 134.90
MBX 1200 4MB 194.90
MBX 1200 8MB 379.90
Amitech Hawk + clock 2MB 133.50
Amitech Hawk + clock 4MB 193.50
Amitech Hawk + clock 8MB 396.50
see below for FPU's
68882 25MHz + crystal 79.90
68882 33MHz + crystal 95.00
68882 40MHz + crystal 129.00
68882 50MHz + crystal 159.90
CBM 2.1 upgrade kit 74.99
Chip fitting and board upgrade avail., by our qualified engineers ..... POA

PRINTERS

2YR WARRANTY WITH CITIZEN

	ALONE	WITH STARTER PACK
Citizen 120+D	111.99	
Star LC 100 9 pin col	113.90	
Citizen 90 mono*	131.49	
Citizen 90 colour*	149.99	
Star LC200 col	178.49	
Star LC 24-20 II	144.99	
Star LC 24-100 24 pin	119.90	
Star LC 24-200	179.99	
Star LC 24-200 col	199.49	
Panasonic KXP 2123 col	179.49	
Epson LQ 100	147.99	
Epson LQ 150 colour	209.99	
Epson LQ 570	231.99	
Epson LQ 870	439.90	
Epson LQ 1170	507.90	
Citizen ABC Mono	143.99	
Citizen ABC colour +s/Tract	159.99	
Citizen S200 24*	184.99	
Citizen S200 24 col*	199.99	
Citizen S240*	224.99	
Citizen S240C col*	239.99	
Citizen S24x col*	325.90	
Star LC24 - 30 Col	188.90	
Star LC24 - 300 Col	229.90	
Citizen col Note. Printer III	269.90	

ADD £12.99

UNBELIEVABLE INKJET PRICES!!

	ALONE	WITH STARTER PACK
HP Deskjet 310	299.90	
HP Deskjet 310 colour	259.90	
Epson Stylus 300	214.49	
Epson Stylus 800	224.99	
Epson Stylus 1000	409.99	
Citizen Projet II	228.90	
HP Deskjet 520	239.99	
HP Deskjet 500col§	319.99	
HP DESKJET 550C§	419.99	
HP Deskjet 560C	459.50	
HP Deskjet 1200C	1149.99	
Canon BJ10SX Port	184.50	
Canon BJ 200	244.99	
Canon BJ 230 A3	329.99	
Canon BJ 330 A3	492.99	
Canon BJ 300	384.99	
Canon BJC 600 Col	519.50	
Canon BJC 800	1426.99	
Star SJ 48	191.99	
Star SJ 144	346.49	
OKI OL 400e LASER	489.90	
Panasonic KXP 4410	489.90	
Panasonic KXP 4430	639.90	
Epson EPL 5200	512.90	
Star LS 5 laser	469.90	
HP Laserjet 4L	579.99	
HP Laserjet 4 MP	1227.99	
Star LS 5ex 5ppm 2 bin	629.90	
Sharp JX 9500 9ppm	599.50	

ADD £12.99

Starter pack: 500 Sheets A4 paper, Amiga to printer lead, Universal Printer Stand & Driver* with Print Manager
§Studio driver/Utility (WB 2 & above) highly recommended ADD £39.95 .....

PRIMERA COLOUR PRINTER...£639.90

If you've admired the saturated colours of the Mitsubishi and other thermal wax printers at exhibians, but couldn't afford the £4000+ price tag, the Fargo Primera is the printer you're looking for. Less than a third of the price of the nearest rival,
Primera offers: • Photo-quality, rich bright colours • Up to 4 times faster than ink jet • Cost per page less than ink jet. • A4, transparencies + T-shirt transfer paper printing
COMPLETE WITH AMIGA DRIVER (WINDOWS OR MAC DRIVER IF PREFERRED) AND AMIGA LEAD £689.00
PHOTO REALISTIC KIT (10 PRINTS) £189.00
PHOTO REALISTIC REFILL KIT (100 PRINTS) £249.00
PHONE FOR PRINT SAMPLES
FULL RANGE OF CONSUMABLES AVAILABLE

SOFTWARE

GRAPHICS/CAD

Aladin 4D 213.99
AmigaVision 17.90
Art Expression AGA 134.90
Art Dept. Pro 2.5 ..... 129.90
AdPro Prof Conversion 48.99
AdProControl 54.90
ASDG Scanner Controller ..119.00
Brilliance 133.90
Caligari 24 ..... 94.90
Caligari Broadcast 3 ..... 396.90
Cine Morph 29.99
Clarissa 74.90
Deluxe Paint IV 53.99
Deluxe Paint AGA 59.90
Disney Animation 56.90
Distant Suns 49.49
Essence 44.50
Expert Draw 39.90
Gallery 39.49
Helm 89.90
Image FX V1.5 ..... 187.90
Imagine v2 ..... 149.99
Image Master AGA 139.90
IntroCAD Plus 46.99
Light Wave[3] AF GOLD 769.90
Morph + ... 138.99
Pixel 3D Pro 59.90
ProDraw 3 ..... 59.90
Real 3D Classic 78.90
Real 3D v2 ..... 374.50
Scala HT100 ..... 49.99
Scala Pro MM211 ..... 132.90
Scala Echo EE100 (Video Editor For Scala 300) 132.90
Scala Pro MM300 ..... 294.90
Sculpt Anim.4D 198.99
Spectra Colour 57.99

SYMPATICA II
Video Timelapse VTL PLUS FREE creates stunning timelapse sequences - flowers opening, clouds, with sophisticated light/ motion etc., record trigger inc. deck h/ware 329.99
Software only 189.99
Take 2 ..... 32.99
TV Paint 24 V2.0 ..... 169.90

Vista Pro Lite (2MB) 42.49
Vista Pro 3.1 (6MB) 49.99
Vista Makepath 24.99
X CAD 2000 ..... 79.99
X CAD 3000 ..... 229.95
X CAD 2 to 3 upgrade 194.99

VIDEO PROD/ TITLING

A Video + TV Paint V2 ..... 588.90
Adorage II 68.50
AmigaVision 17.90
Broadcast Titler High Res ..138.90
NEW-Broadcast Titler AGA
Super High res 139.90
Broad T Font Enhancer ..... POA
Broad T Font Pack ..... POA
Frame Machine 329.90
Imagemaster AGA 159.99
Montage 24 AGA ..... POA
Morph+ 138.99
Pro Video Plus 137.99
Scenery Anim 4 ..... 48.90
Scroller II 59.99
TV Record 189.99
TV Show Pro 51.39
TV Text Pro 79.50
Video Studio 3 ..... 115.95
Video Director 118.90
Video Effects 3D ..... POA
Video Master 49.49
Vidi Amiga 12 V2 ..... 64.99

VIDI SOUND & VISION
Vidi Amiga 12 with Megamix Master 94.99
Vidi 12 Real Time 134.50
Vidi 24 Real Time 219.99

EDUCATIONAL

Any Fun School 3 or4 ..... 15.99
"New" ADI GCSE 26.99
Any other ADI 16.99
Merlin's Maths 16.99
Paint & Create 16.99
Spelling Fair 16.99
Any Noddy 16.99
See also software packs

UTILITIES/LANGUAGES

AMAX II Plus 249.99
Ami back + A Tools 59.99
Amos 3D 21.49
Amos the Creator 30.95
Amos Compiler 19.49
Amos Prof. 32.99
Amos Prof. Compiler 24.99
Easy Amos 22.49
Blitz Basic 2 ..... 48.90
CanDo 2.5 ..... 93.50
Cross Dos v5 ..... 29.75
CygnusEd Pro 3.5 ..... 69.75
Directory Opus 4 ..... 43.90
GB Route + ... 32.50
Gigamem 47.50
SAS/Lattice C V6.5 ..... 229.99
Quarter back V6 ..... 48.50
Quarter back Tools Deluxe 59.99

PEGGER -
Vital for graphics-users! 79.95
Fully integrated JPEG utility gives enormous hard disc space savings - 100MB of framestores will compress to under 10MB. 'Snoop' gives JPEG capability to programmes that don't otherwise support JPEG, such as DPAINT IV AGA, so they can load + save JPEG files.
Amiga DOS 2 and 3 compatible AREXX, 24 bit IFF, DCTV, Toaster and Ham 8 Support.
Fast, seamless background operation
True Print 24 ..... 47.90

VIDEO TAPE BACKUP UTILITY £57.50
Backup upto 120MB onto one 3 hour tape
Xcopy Pro 31.50

APPLICATION

Arena Accounts 82.50
Excellence 3 ..... 89.90
Final Copy V2 ..... 63.99
Final Writer 99.90
Hone Accounts 2 ..... 48.90
Kind Words III 17.90
Maxiplan Plus v4 ..... 17.90
Mini Office 37.49
Money Matters 35.49
Pagestream 2.22 ..... 62.90
Pagestream v3 ..... 219.90

AF GOLD WINNER

Pagesetter 3 AGA 41.90
Pen Pal 1.5 ..... 28.50
Pers Finance Man + ... 29.50
Professional Page 4.1 AGA RATED as the current top DTP package by the independant magazines, 94% AF 119.49
SPECIAL ProPage 4 & ProDraw 3 -professional illustrator's Both for ONLY £159.99
Proper Grammer 35.90
Protext 6 ..... 109.50
Publisher 17.90
Saxon Publisher 177.95
Superbase Personel 4 ..... 78.90
Superbase Pro 4 V1.3 ..... 214.99
Typesmith 118.90
Wordsworth AGA 44.90
Wordsworth 3 ..... 64.49
Works Platinum 38.99

MUSIC

AD 10 12 Studio 16 Sampler 349.95
Audio Engineer +2 ..... 159.99
Audio Master 4 ..... 41.49
Bars & Pipes 2 ..... 225.90
Clarity Sampler 124.99
Deluxe Music Const II 67.90
GVP DSS 8-PLUS 64.90
Megalosound sampler 23.90
Midi Interface 19.95
Miracle K'board/Tutor 277.99
Rombo Megamix Mstr 26.50
(see offer with Vidi 12)
Superjam 82.90
Technosound Turbo 2 ..... 25.50

LEISURE TOP SELLERS

Alien Breed II AGA 22.90
AVBB Harrier Assault 27.49
Battle Chess 14.99
Blade of Destiny 24.49
Body Blows Galactic AGA 23.90
B17 Flying Fortress 22.99
Campaign 22.99
Championship Manager 16.49
Elite II 22.90
Epic *9.99
F1 Grand Prix *24.99
Gunship 2000 ..... 24.99
History Line 21.69
Indiana Jones 23.99
Lemmings 2 ..... 18.90
Monkey Island II 23.99
Putty *12.99
Robocod AGA 15.69
Sensible Soccer 15.95
Streetfighter II 17.49
THUNDERBIRDS!! 12.99
Their Finest Hour 5.99
Trvial Pursuit *9.99
Wing Commander 19.49
*Price applies only with Amiga hardware purchase

CDTV/CD[32] DISCS

SPECIAL - ANY 3* 59.90
Loads available - Phone - inc.
Arabian Nights 11.90
Battlestorm 21.90
Case/Cautious Condor 27.90
Castles 2 ..... 21.90
•Cinderella 29.90
DGeneration 21.90
Deep Core 21.90
•Fantastic Voyage 27.90
James Pond 2 ..... 23.50
Jurassic Park 27.99
•Lemmings 8.40
Lotus Turbo Trilogy 27.90
Luna'c/Overkill 21.90
NASA Heroic Age 17.40
NOW Games 1 ..... 16.49
NOW Games 2 ..... 16.49
Microcosm 32.90
•Pandora 2,000 Clip Art & 99 Sounds 4.79
•Scarry Poems/Rotten Kids 32.50
Sensible Soccer NAGA 18.90
Super Putty AGA 11.90
•Tale of Benjamin Bunny 32.50
Whales Voyage 21.90
Winter Super Sports 21.90
Zool II 21.90

• Also CDTV compatible
*up to 34.99 RRP

NO DEPOSIT CREDIT AVAILABLE (subject to status), 27.8% APR, written details on application. All major debit cards accepted, no surcharges.

NOTE SEE WARNING TOP LH PAGE

ORDERING:

TELESALES NO: 0727 856005 FAX: 0727 834944

Same day despatch for debit or credit card orders placed before 5pm subject to availability. Alternatively send cheque, postal order, bankers draft or official order (PLCs, Education and Government bodies only) to; Dept AF, Hobbyte Computer Centre, 10 Market Place, St. Albans, Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering. Additional services and different packages may be offered in our showrooms, and prices may vary from Mail Order prices. Personal callers are asked to quote this ad to ensure Mail Order packages are offered.

DELIVERY CHARGES: UK MAINLAND (NOT HIGHLANDS)

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire

IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:

Saturday deliveries	Normal rate plus £15
Am next day	Normal rate plus £8

NO DEPOSIT CREDIT FACILITIES
Credit terms at 27.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

• HP AUTHORISED DEALER • CITIZEN DEALER PLUS • Amiga prices, except where stated are inc. VAT. E&OE

TELE-ORDER (0727) 856005 FAX: (0727) 834944

K240

Visit off-world colonies, make your home on an asteroid, do battle with horrific alien entities, make money. Oh, to be back on Uncle Cyril's farm in Devon...



It is early days for your base asteroid. Already in place is the life support unit (green), storage silos (blue/green), mines (blue/yellow) and solar panels (red/white).



Three or four days later and the rock is looking a bit crowded. The ship on the left is the company's ore transporter, the one on the right is your transporter.



Now we've got a security centre, missile defences, resiblocks (where the workers live), solar generators... and we're off to colonise a new asteroid.

What's the name of that empire again? Oh yes, the Terran Empire. There are so many around these days that you simply lose track. Anyway, the Terran Empire is expanding so quickly that minor wars (just a pathetic 15 million dead) look set to bring the great dynasty to its knees.

And then (as luck would have it), a group of explorers that everyone had forgotten about, arrives home and tells of ore-rich hunks of rock in the next-door galaxy.



Obviously, every budding entrepreneur in the Empire grabs a shovel and a warp-capable space ship and clears off to go prospecting. But wait, it seems that these deserted-looking asteroids are actually home to an alien race. And they are not too happy about all these Terrans turning the old homestead asteroids into Swiss cheese.

K240 is a strategy-cum-god game in the mould of *Millennium*, *Dune 2* and *Mega-Lo-Mania*. You are an independent prospector with a team of die-hard labourers. Your job is to mine lots of ore, expand as far through the belt as you can and to keep the poor old disenfranchised aliens at bay.

Mine, all mine

You start the game with a likely-looking asteroid from which you start building your commonwealth. The view which you will see the most is your asteroid in all its rather quaint and rocky glory.

The game is played via a series of pop-up menus which appear whenever you click your right mouse button. At the beginning you have to start mining – in order to bring in the credits necessary to build on other lumps of rock. To this end you plonk a few mines down on the surface, followed by a storage facility, a solar generator and a sensor array (which is like a radar, detecting other likely-looking asteroids and any aliens in the neighbourhood).

To get anything done you have to allocate funds. Your pool of cash can be invested in construction, vehicles, intelligence or missiles. Obviously the more money you inject into an endeavour, the quicker everything will get done. However, just as you think everything is going swimmingly, along come the first problems. But this wouldn't be much of a game if everything was easy-peasy-lemon-squeezy.

Fuelling the problem

The initial challenge is going to be managing your base asteroid. You'll need plenty of generators to power all your installations. These cost money and take up valuable space on the rock. Then there's the threat of contamination. This can be dealt with by building a decontamination filter (surprise) which costs money and draws power.

Out in space they get up to all sorts of jiggery-pokery. For instance while you are not looking, the employees are likely to dip their collective fingers into the till and rob a few credits off you. The way around this is to build a security centre. From this building, men in shiny black uniforms will 'discipline' your loyal



To keep aliens at bay and to colonise other asteroids, you are going to need a fleet of ships. This is the building screen on which you equip your fine vessels.



This is Kate Adie, for the BBC, live from the Magdalen Cloud Sector Four. *(Parp.)*

employees. But those same employees need good living conditions in which to procreate. So you will have to build nice living quarters. It just never ends.

Then there are those aliens whose world you've toddled into to plunder. Needless to say they are not too chuffed at your arrival and will do plenty to arrest your progress.

Fleeting moments

The solution, of course, is to build yourself a fleet of ships to do battle with them. These fleets need commanding. Oh, and let's not forget the other asteroids which have a habit of colliding with your colonies. Dear me, it's a lot of grief.

All the problems which beset your colony are actually the really fun bit of *K240*. It's all very well having a laugh building things in space, but it's the crisis management which will make or break you. As in life, so in art, and it is always best to plan ahead.

" While you're not looking, the employees are likely to dip their collective fingers into the till and rob a few credits "

The game is very well designed and I especially compliment Gremlin on the manual. This includes a tutorial which leads you through the basics of the game – so much more preferable to being dumped into the game with nothing but a list of key commands and a few illustrations of aliens.



Lots of time has been spent on making the gameplay fluid. After just an hour of play I was zipping between all the menus, allocating funds, building armadas and desperately trying to avoid all those other ram-raiding asteroids – a process which is helped by the kaleidoscopic graphics. I particularly enjoyed the Sci-Tek catalogue, an on-line database from which you can purchase blueprints to build really splendid gadgets.

The spooky atmosphere is helped greatly by the Amiga which warns you of threats but which doesn't give much advice. The spy satellites are funky, too. Dispatch one to an enemy asteroid and it transmits video pictures showing what the aliens are up to.

Giving you what you want

Recently programmers seem to have hit upon what it takes to hold a player's interest. You need more than a bit of parallax scrolling and a few stickers in the box – what's required is a decent learning curve which eases you gently into the game and a healthy dose of that mystical quality called 'playability'.

The three games I mentioned earlier are all playable and are all lot of fun. *K240* (despite its rather naff name) is up there with them.

Although I must say that I find the ethics of the game a bit dubious – why do we always have to blow seven shades of *merde* out of the poor blighters?

Anyway, I am running low on juice, money, living space, spaceships and patience, so back to the game. Can anyone lend me a few thousand credits and a seismic penetrator?

Andy Hutchinson



Those dirty, conniving, sons of bitches. Turn your back for five minutes and some git will dip his fingers into the petty cash box. Time for a bit of (ahem) security.



The status screen lets you know exactly how you're doing. The population are happy, but we could do with a bit more power. Time for some new generators.



Spend money on engineering and you can build almost any type of structure.



Your base might look good in that light, but it's certainly not comfortable.

K240



PROGRAMMERS
Graeme Ing, Pete Daniels

PUBLISHER
Gremlin 0742 753423

PRICE
£29.99

RELEASED
Out now





GRAPHICS
1 2 3 4 5 6 7 8 9 10

Very colourful and spacey-looking, although the screen can become confusing.

SOUND
1 2 3 4 5 6 7 8 9 10

Nice samples and a techno-style intro track, but play it with the sound down and the hi-fi on.

ADDICTION
1 2 3 4 5 6 7 8 9 10

Build your first mining colony, win your first battle, steer your first asteroid and you're hooked.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10

It's difficult to click on the right building in the heat of a crisis. Larger graphics would help.

VERDICT

" *K240* is an addictive space exploration game which gets so involved that you will want to hire somebody else to play for you, while you watch from a safe distance. "

84%

RUGBY LEAGUE COACH



Everything you could possibly want to know about the world of Rugby League can be accessed from your desk.



It's a tough old sport and your skills are tested to the limit when you have to reshuffle your pack due to injuries.



The nerves always tend to jangle on match days. The scores are relayed to you as and when they happen.

Aaannnd it's an up and uuuunnder. Seventies armchair Rugby League fans will no doubt be familiar with Eddie Waring's famous catchphrase. Eddie was the voice of rugby's superior code and one of televisions' finest commentators.

Misty-eyed reminiscences aside, if it seems odd that a sport played primarily in Yorkshire, Lancashire and Cumberland should appear as an Amiga management simulation then check out the technical advisors on the game: Celtic manager Lou Macari and Sheffield United's Dave 'Harry' Bassett. I'm confused?

Gritty Northern realism

Audiogenic have taken a bold step in developing a Rugby League game. Sports management sims generally sell well, but Rugby League? Despite Eddie's stirling efforts to take the game to the man on the Clapham omnibus, it remains a marginal sport. And northern too. But hey, if you're from south of Doncaster, read on. Please.

League is the professional code, 13-a-side and rough as houses. These lads don't wear bright helmuts like them from t'other side of the Pond. No sir, tha gets blood on tha boots in League.

Your job is to take the helm at mythical Yorkshire club Thorne and lead them out of Third Division wilderness. And if you're successful, you might get offered the job at Wigan. Ultimately, your ambition is to lead out the national team.

Thankfully, *Rugby League Coach* doesn't take itself too seriously. Audiogenic have found a happy medium between providing statistical information and an amusing and user-friendly interface. You can have a cup of tea, sort through your mail, read the sports page of the Gazette, or check out the players training schedules, swot up on Sunday's opponents and buy and sell a couple of players. And the best thing is, it's fully interactive.

There you are, sitting at your desk, watching the players train through the window when suddenly the phone rings and it's the boss of Batley wanting to buy your best player. Or more ominously, it could be the chairman ringing to give you a vote of confidence.

Happy hooker

Crucial aspects of management are the careful buying and selling of players and organising training schedules. Varied training keeps players' enthusiasm going. But if this wasn't enough, there is the financial side to keep an eye on, and as in real life, you're always overdrawn.

The matches themselves are a series of comments which tell you who has scored and whether the try was converted. And it's quite effective – you hear the crowd roar and then hope that Thorne have 'gone over' (as we say in Rugby League).

Monday's Gazette has all the results, league tables and match reports, but if you've suffered a reverse, you may want to avoid it.

Rugby League Coach doesn't get bogged down by statistics – as the sporting cliche goes, there is no substitute for experience. Playing the game couldn't be simpler, but playing it well takes practice. And who knows, with a bit of luck you could reach the dizzy heights of Great Britain coach Mal Reilly. Hey Mal, where's our bloody piano?

Stephen Bradley



The Gazette keeps you informed of what's happening at other clubs. Hopefully, you won't need to read the situations vacant column.



Picking the team for Saturday afternoon is the most important job of the week. The right team could lead to the League and Cup double. Or you could get the sack.

RL COACH



PROGRAMMERS
Anglosoft Visual Systems

PUBLISHER
Audiogenic 081-424 2244

PRICE
£29.99

RELEASED
Out soon



NEEDS 1 MEG

GRAPHICS
1 2 3 4 5 6 7 8 9 10
Not a great deal to see but the interface is well laid out and it has a pleasant cartoon feel.

SOUND
1 2 3 4 5 6 7 8 9 10
The crowd noise is rather good during the matches and the telephone sounds great.

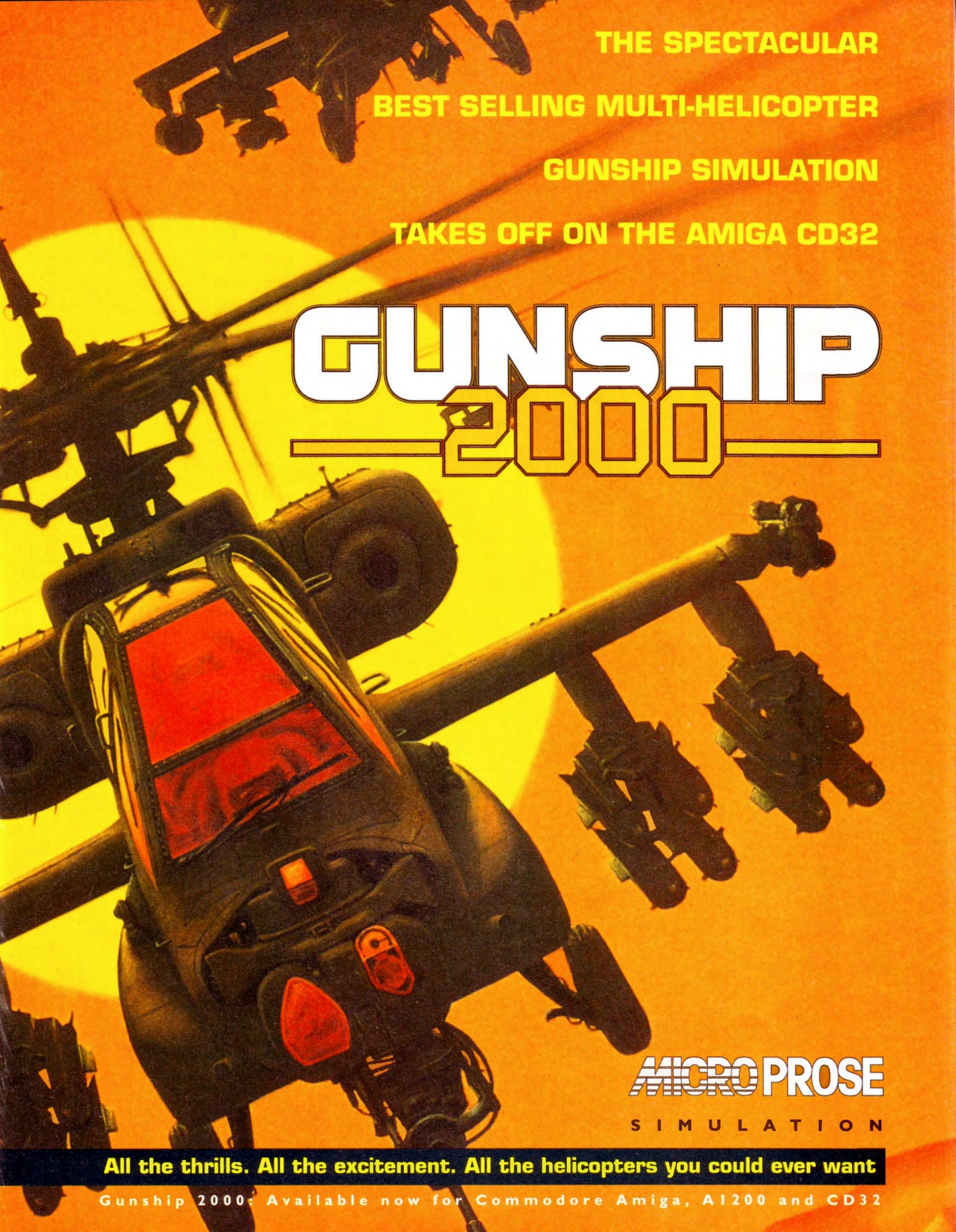
ADDICTION
1 2 3 4 5 6 7 8 9 10
Fun and difficult to put down. You get really annoyed if no-one rings you for a few days.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
One of the most enjoyable sports management sims. Could see you bleary-eyed for weeks.

VERDICT

" An enjoyable and playable sports management sim which is both quirky and serious about Rugby League. And now the joke about giving it a 'try'. Hurrah! "

82%

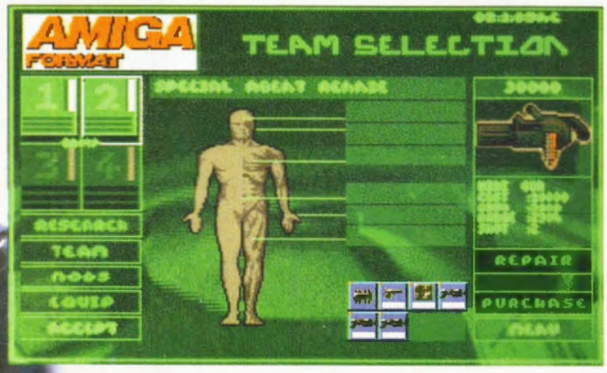

THE SPECTACULAR
BEST SELLING MULTI-HELICOPTER
GUNSHIP SIMULATION
TAKES OFF ON THE AMIGA CD32
GUNSHIP 2000
MICROPROSE
SIMULATION
All the thrills. All the excitement. All the helicopters you could ever want
Gunship 2000: Available now for Commodore Amiga, A1200 and CD32

SYNDICATE

AMERICAN REVOLT MISSIONS DISK

Amiga Format, the world's best Amiga magazine, has teamed up with those wonderful people at Bullfrog to bring you an earth-shattering exclusive...

You struggled to take control of the Americas first time around, but now the natives are rebelling against the living conditions imposed by your regime. The stakes are high – if the people of North and South America regain their independence your status as Syndicate executive and controller of the Earth is in jeopardy. You have to win back the Americas.



This add-on disk contains 21 new missions against fearsome opponents – the American agents are twice as fast as their predecessors and shoot without hesitation. Your success against such overwhelming odds requires deft selection of weaponry and every ounce of skill you picked up from the original game.

Syndicate: American Revolt is available exclusively through *Amiga Format* for the bargain price of £12.99. You cannot buy this missions disk in the shops or from any other magazine. What are you waiting for? Just fill in the form on this page and send your payment to the address shown to experience the ultimate *Syndicate* challenge.

YES!

Please rush me a Syndicate: American Revolt missions disk

Please send me_____ copies of the Syndicate missions disk at £12.99 each.

Name _____

Address _____

_____

_____

Post code _____

Method of payment, please tick

Access ☐ Visa ☐ Cheque ☐ Postal Order ☐

Card no. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

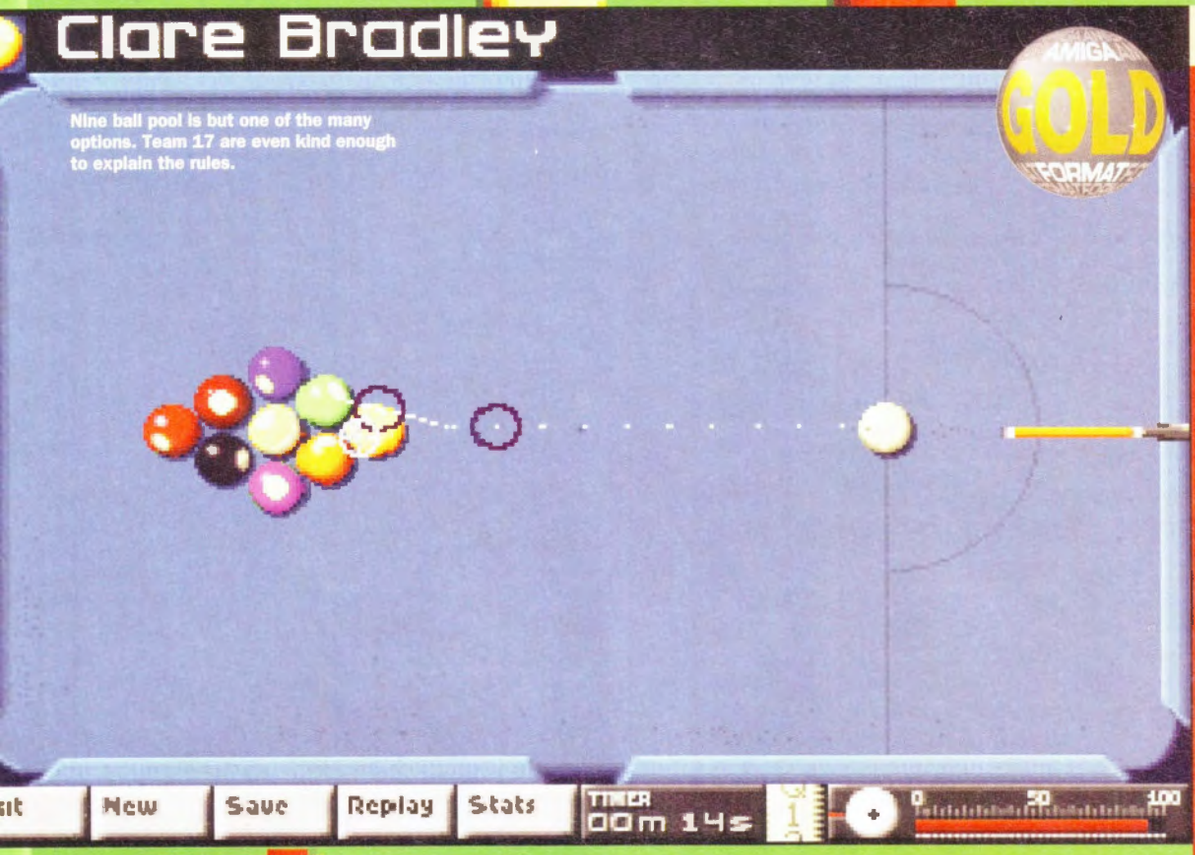
Expiry date ☐☐ ☐☐

Make cheques payable to Future Publishing Ltd.

Send this form to: Future Publishing, Syndicate Missions Disk, FREEPOST, Cary Court, Somerton, Somerset TA11 7BR. **AMFSD**

BULLFROG PRODUCTIONS LTD

Clare Bradley



Nine ball pool is but one of the many options. Team 17 are even kind enough to explain the rules.

ARCADE POOL

There's a bloody slope on this table. You rubbed the chalk off my tip when I wasn't looking. Someone walked in my line of vision.

There are few things in life worse than losing at pool. Maybe when that bloke in the film *Scum* puts the pool ball in the sock, whacks everyone and exclaims, "I'm the Daddy now," it's a tad worse. But not much.

This game is driving me up the wall. Here I am trying to write a review and I'm desperate to beat my pitiful time of three minutes 11 seconds at Speed Pool. The idea is simple. Pot all the balls as fast as you can. In practice it's darned frustrating. You try and roll the balls over the pockets, then you give up and blast them around in the vain hope you can fluke one.

Am I going on a bit? Sorry.

Time for another quick game of Speed Pool. Back in three minutes and 10 seconds or less. I hope. Nope, well over five minutes I'm afraid.

Not that Speed Pool is the only option. There are various versions of US and UK pool as well as Survivor where you get three lives and must pot a ball on every visit to the table. Miss and you lose a life - it's splendid. There's also a Trickshot section where you can attempt Virgoian feats.

Up to eight can play and there are single match and tournament options - the interface is superbly set out and it takes about half a minute to get the hang of it.

Oh, by the way, my best Speed Pool time is now one minute and 57 seconds - cue loud applause while I breathe on my fingernails and polish them on my collar.

This game is incredibly addictive. It's not as realistic as *Archer Maclean's Pool* but hey, it's an arcade game so monkeys to it. I defy anyone to play one game and walk away from the machine. Go out and get a copy. Now.

Stephen Bradley



Survivor on the brown baize is quite splendid. I spent two days solid playing it much to the consternation of Jones the Prod Ed.



Arcade Pool has an excellent interface which takes seconds to get to grips with. Once you hit that button, you're hooked.

ARCADE POOL



PROGRAMMERS
Mario Savoia

PUBLISHER
Team 17 0924 291867

PRICE
£9.99

RELEASED
Out soon



GRAPHICS
1 2 3 4 5 6 7 8 9 10
Simple, but effective. You can even see the shine on the balls. And four baize colours too.

SOUND
1 2 3 4 5 6 7 8 9 10
Perfectly adequate clacking effects. The music is a rip off of the old *Pot Black* theme. Great.

ADDICTION
1 2 3 4 5 6 7 8 9 10
Marcus, go away from my desk. I need to do some work. All right, best of five then.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
Easy control system and no messing about. My fave game of the year so far.

VERDICT

"*Arcade Pool* is so good it could have been called Sensible Pool. If there's a more playable new game released in '94 for under a tenner then I'll, I'll, I'll go to the pub. Buy it."

94%

PSD

THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

DISKOVERY

TEL: 0274 880066

UNBELIEVABLE GIVEAWAY

1. BUY 10 PD DISKS & GET FREE 10 CAP BOX WORTH £1.99
2. BUY 15 PD DISKS & GET A FREE MOUSE HOUSE WORTH £2.50
3. BUY 20 PD DISKS & GET A FREE MOUSE MAT WORTH £2.99
4. BUY 25 PD DISKS & GET A FREE DUST COVER WORTH £3.99*
5. BUY 35 PD DISKS & GET A FREE JOYSTICK WORTH £6.99
6. BUY 50 PD DISKS & GET 10 FREE PD DISKS WORTH £9.90

* DUST COVERS TO FIT A500/A600 & A1200 ONLY, ONLY 1 FREE GIFT PER ORDER

CENTRAL LICENCEWARE

EST 1991

DEMOS

D1....Mental Hangover
D2....Intercepter Demo
D4....Wild Copper
D10...17Bit Music Demos
D11...World Demos 21
D13...Total Remix Demo
D14/15...Predators(2)
D20/21...Red Sector(2)
D24/25...New Tek Reel3(2)
D26...Total Remix 2 Demo
D27...T.V. Theme
D30...Epic Demo
D34...P.D. Collection
D36...Virtual Worlds
D37...Vectra Sinking Demo
D38...TFF Demo Voyage
D40...Safy Demo
D59...Video Effects 3D
D64...Cult Vector Dance 2
D68...Phenomena Demo
D70...Amos 3D Demo
D74...A Trip To Mars
D76...A2000 GenlockDemo
D81/82...Budbrain 1 (2)
D83...Budbrain 2
D85...Crionics Neverwhere
D87...pirhana demo
D101..Alcatraz M/Demo 3
D102..A Chaplin Demo
D103..Total Destruction
D105..Mr B Demo Comp 4
D106..Walter S.T. Demos
D111..Defcon 1
D117..Aurora M/Demo
D118..Cult M/Demo 2
D125..Precise Demo
D133..Fasination
D136..Goldfire Megademo
D137/138..So What-(2)
D139..Devils"No Reality"
D144..The Silents "Ice"
D145..Crystal Symphonies
D148..Ray Of Hope 2
D149..No Brain No Pain
D158/159.Cyborg Demo(2)
D195..Coaxial Comp
D197..MC Disk 1 Coma
D199..End Of Century 1999
D206..Dreamers 3
D208..Avengers M/Demo
D216/217..Bass o Matic (2)
D218..Disorder Demo
D219..Tuff Enuff
D225..Cool Fridge Demo
D226..Hardcrack M/Demo
D233..Hypnautic Hammer
D235..Six Of One Demo
D238..Planetside
D239..Lemmings Revenge
D240..Total Respray
D243..Budbrain 3
D244..Phenomena Inerspace
D245..Total Retrial
D247..Pulling The Trigger
D253..CES Demos
D256..Total Recount
D257..Total Rebate
D262..Spasmolytic
D264..D-Mob M/Demo
D267..Sun Connection 2
D270..Kefrons The Wall
D271..Timex Hydra
D272..Electric Demos 1
D274..Defpackers Demo
D276..Cave La Weird
D279..Iraqui Demo
D280/281..Delerious (2)
D307..L.S.D. Demo
D312..Devils Colours
D314..Trakmo
D315..The Groove Ramjam
D325/326..Real Empathy(2)
D328/329..Red Dwarf (2)
D330..Darkness M/Demo
D332..Melted Experience
D333-337..Odyssey (5)
D340..Watchman Demo
D341..Anarchy Smoker Co
D342..Ed 209 The Revenge
D343/344..Hardwired (2)
D346..Wildfire M/Demo
D347..Mindwarp M/Demo
D348/349..Skizzo Demo(2)
D350-352..Treacle Team(3)
D358..Mr Men Stories
D359..Seeing Is Believing
D360..State Of The Art
D361..Mayday Resistance
D362/363..Jesus On E's (2)
D364..Fish Tank
D365..Optimum Pressure
D366..Mind Riot
D367..InThe Can Demo
D368..Dynamic Illusions
D369..Piece Of Mind
D370..3D Demo 2
D371..Lethal Exit
D376..World of Commodore
D377...Claustraphobia
D380...Hoover Demo
D381...The Trip
D382/3...Project Techno (2)
D384...Interspace
D386...Mindwarp (AGA)
D387...Panta Rhei (AGA)
D388...Hysteria
D393-5...Grapevine 15 (3)
D396-8...Grapevine 16 (3)
D399-401...Grapevine 17 (3)
D402...In The Kitchen

UTILITIES

U1....Games Music Creator
U21...The Comms Disk
U32...Modem Utils
U34...Red Devils Utlis 1
U35...Soundtracker Special
U38...Paint,Music,Media
U39...Card Designer
U41...Red Devils Utils 4
U43...Future Composer
U44...Kefrons Makeboot
U45...P.E Giant Utils 168
U47...Label Designer
U49...Ultimate Icon Disk
U50...Power Comp Utils
U51...Jazz Bench
U55...Visicalc
U57...Quickbench
U59...Font Designer
U60...D-Paint Fonts 1
U61...D-Paint Fonts 2
U62...Med 3.20
U63...Direct Anim Creator
U64...Crossword Designer
U66...CLI Help + Others
U67...S/Tracker Mega
U68...Ultimate Boots 1
U69...Ultimate Boots 2
U73...Powerlogo
U74...M-Cad
U75...Journal Home Acc's
U76...Home Utilities
U77...Electrocad
U78...Ami Base
U81...Bootbench V2.0
U82...Slideshow Maker
U83...Catalog Workshop 1
U84...Catalog Workshop 2
U87...Hard Disk Utils
U89-94...Amateur Radio (6)
U95...C-Light + Others
U96...GFX Utils 1
U100...Ham Lab
U101...Sid V2.0
U108...A-Gene
U113...Midi Utilities
U118/119...Video Utils (2)
U132...GFX Utils 2
U133/134...North C (2)
U136...CrossDoss (demo)
U138...Squid Squad Utils
U139...Terminalities V1.0
U140...Squash 1 (2.04 only)
U141...Squash 2 (2.04 only)
U142...Text Plus 3
U144...Dennis Samples 1
U145...Digital Intro Design
U146...Viz Clip Art
U147...Spectrum Emulator
U151...Slipstream V/Killers
U152...Red Devils Utils 6
U154...Amigafox W/P
U155...P.D Utils Docs Disk
U163...Quickbench + (2.04)
U164...Rim Database
U166...Dennis's Hack Disk
U167...Demolisher Utils
U168...Home Business 3
U172...Squelch (1.3 only)
U176...GFX Utils 3
U177...Star Charts
U179-180...Dice (2)
U181...Celtic Demo Maker
U186-206...Track Ins 10-30
U207...Icon Collection 1
U208...Dave Jones Fonts 1
U211...Chemesthetics
U212...Animated Pointers
U213...Desk Top Publisher
U215...Messy Sid 2
U216...Master V/Killer 2.2
U218...Data Base Wizard
U223...Ten Pin Data Base
U224...Q-Base Data Base
U226...Games Solutions 1
U231...D-Paint Fonts 3
U235...Ami Cash V1
U238...Iconmania
U240...Icon Editor
U252...Opticomms 2.0
U254...New Superkillers 2
U255...Protracker v2.0
U256...Atari ST Emulator
U258...D-Copy 3
U262...PC Emulator
U273...Vidi Fonts 1
U274...Illinoi Labels
U275...600 Business letters
U279...Invoice Printer
U283...Headline Fonts
U289...Amos Updater
U290...Kickstart 2.0
U293...Black Tiger Utils 2
U294...Text Engine V4.0
U296...Ultimate Disk Crea
U297...10 PD Copiers
U298...Protracker V3.0
U299...Address Print V3.1
U303...Game Tamer
U308...Music Base V1
U309...PP Minicrunch
U311...Vmorph V2.30
U313...Pro Astrology
U314...Pools Wizard Jr
U319...Lister V2.1
U320...Garden Designer
U327...Bezier Surf
U329...Music Engine V3.4
U330...Starview
U331...X-Beat Pro
U332...Superview V2.4

GAMES

G1...Return To Earth
G2...Games comp 5
G3...Dizzy Lizzy
G4...Scum Haters
G5...Parachute Joust
G6...Frantic Freddie
G8...Twintris
G9...Psuedo Cop
G10...Drip
G11...Bug Bash
G12...Asteroids
G13...LLamatron
G14...Escape From Jovi
G15...Moria Adventure
G16...Ground Attack
G17...Megaball
G18...Insiders Club
G19...Various Adventures
G20...Battleforce
G22...Dragon Cave
G24...Rings Of Zon
G25...Mayhem
G26...Mechflight
G27...The Tennis Game
G28...Flaschbier
G29...Buck Rogers
G30...Greyslayer
G31...7-Tiles
G32...Mega Comp 1
G33-34...Star Trek 1 (2)
G35-37...Star Trek 2 (3)
G38-39...Mechforce (2)
G40...Klondyke
G42...Car
G43...Games Comp 2
G44...S.E.U.C.K. Games
G45...Sacc Games Comp
G46...Games Comp 3
G48...Rays Game Disk
G49...Games Comp 4
G50...Games Comp 6
G51-52...Trucking (2)
G53...Jetpac
G55...Quick And Silva
G56...Miniblast
G57...Lamer Game
G58...Games comp 7
G59...Games comp 8
G60...Pom Pom Gunner
G61...Caverunner
G62...Crystal Caverns
G63...Intact
G64...Eternal Rome
G65...Lemmingoids
G66...DownHill Challenge
G67...Lame ST Ports
G68...Paranoid
G69...Puggles
G70...Chainsaw Death
G71...Pirate Pete's Treasure
G72...Serene 2
G73...Castles
G74...Dynamite Dick
G75...Card Games 1
G76...Wizzy's Quest
G77...Growth
G78...Skate
G79...Atic Atac
G80...Napoleonic Sim
G81...Project 1
G82...Lazer Zone
G83...Lemmings Pack
G84...Star Trek S.E.UP
G85...Letrix
G87...Matched Pairs
G89...Snake Pit
G90...Zeus
G92...Blizzard
G93...The Maze Game
G94...Subculture
G95...Hollywood Trivia
G97...Shootout
G99...Holy Grail Adventure
G100...Amos Coindrop
G101...Classic Comp 1
G102...Card Games 2
G103...Super Skoda Chall
G104...Grand Prix Sim
G106...Computer Conflict 2
G107...Mission X Raid 2
G108...NU Game
G110...Tricky + The Turn
G111...Marble Slide
G112...Games Comp 10
G113...Black Jack Lab
G114...Dungeon Of Madroj
G115...Amiga Columns
G116...Robocop In Iraq
G117...Mutant Camels
G120-122...Warlock (3)
G124...Bart Simpson
G126...Air Ace 2
G127...Breakout Con Kit
G128...Pipeline
G129...Dung Of Doridian
G132...Peters Quest
G133...Star Trek 3
G134...Piperider
G139...Door To Door
G143...Solid Quad
G144...Omega Race
G145...Mission X Raid 3
G146...Trek 73
G147...Wack In Wonderland
G148...Squats Revenge
G149...Sky Fight
G150...Wet Beaver
G151...Airmania
G152...Wizard World
G154...Totally Frantic Quiz
G155...Chess V2.0
G156...Smash Telly
G159...Billy The Dragon
G160...I-Ching
G161...E-Type
G162...TomCat
G163...Sea Lance
G164...Dizzy Diamonds
G165...No Mans Land
G166...Word Square Solver
G167...Cross Fire
G168...Wastelands
G170...Space Blitz
G171...Crazy Sue
G172...Make A Break
G173...Squamble
G174...F-1 Challenge
G175...Othello
G178...Evil Dead Game
G179...Trainset
G180-181...P Comps 1+2
G182...Diplomacy
G183...Tractor Beam
G184...Motor Duel
G185...Game Boy Tetris 2
G186...Water Works
G187...Act Of War
G188...Mutants Games
G189-193...Timelords 1-5
G194...Nirvana
G195-196...Neighbours (2)
G197...Ameoba Invaders
G198...Game Boy Tetris 1
G199...Tetren
G200...Battlecars 2
G201...Dr Mario
G204...Ashido
G205...Cheats Disk 2
G206...Cheats Disk 3
G208...Airport
G209...F.R.A.C.
G210...The Golden Fleece
G211...Legend of Lothian
G212-214...Timelords 6-8
G215...Amos Games 1
G216...Super Sid
G217...Light Bikes
G218...Relayer
G219...Air Hockey
G220...Amos Child Quiz
G221...Texas Chainsaw
G222...Roulette
G223...Premier Pics
G224...Thrust Duel
G225...Wibble Giddy
G226...Super Pong
G227...Fruit Salad
G228...Brainbow
G229...Jeopard
G230...Space Invasion
G231...Karate Worm
G232...Super League Manager
G233...PD City Comp 1
G234...Colour Changes
G235...Battle Of Britain
G236...Super Twintri
G237...Castle
G238...Numtris (+ Only)
G239...Kung Fu Charles
G242...Micro Market
G243...Bload Runner

SLIDES

S1...Ham Pics Show 1
S4...Madonna slides
S5...Moviestar slides
S6...Party Disaster
S8...Immaculate Collection
S9...Simpsons Slides
S10-11...Channel 42 (2)
S12...Bruce Lee Slides
S14...Adams Family
S15...Viz Mag Slides
S17...Docklands Jarre
S18...Dr Who Demo
S20...Nasa Slides
S22-24...WWF Slides (3)
S27...Demons Slides
S28...Total Recall
S29...Joe's Slides
S30...Ham Pics Show 2
S32...Neighbours Slides
S33...Roger Dean slides
S34...Iron Maiden Slides
S35-36...Tobias Richter (2)
S38...Basket case 2
S39...Eces Slides
S40...Fraxion Devine 2
S41...Fraxion Devine 1
S42...Golems Gate Slides
S43...Chainsaw Slippers
S44...Cry For Dawn
S45...Forgotton Realms (2)
S47...Kick Off 3 Slides
S48...PD Slideshow
S49-52...Terminator (4)
S53...Robocop 2 Slides
S54...Trackmaster Slides
S55...Forgotton Realms 2
S56...Garfield Slides
S57...Pawnbroker Slides
S58...Hellraiser Slides
S59...Night Breed Slides
S60...Raytracing
S61...Horror Slides
S70...Muscle Mania
S71...Creature Comforts
S72...The Wonder Years
S73...Watership Down
S75...Ferrari 348 Pics
S76...Belinda Carlisle
S77...Cher Slides
S79...Freddies Dead
S80...Wendy James Slides
S81...The Invisible World
S82-83...Terminator 2 (2)
S84...Fantasy Pics
S85...Gulf War Slides
S86...Magical Pics
S88...Gulf War Tribute
S89-90...S/Thing Fishy (2)
S91...Eldorado Slides

ANIMS

A1...Probe Sequence
A2...Ghost Pool
A3...Jogger + Magician 1
A4...Gymnast Demo
A5...Fractal Flight
A6...Basketball Demo
A8...Walker Demo
A9...Magician 2
A10...Pugs In Space
A11...Luxor Teenager
A13...Juggler Demo
A16...Cool Cougar
A17...Mono Cycle Anim
A18...Robocop Anim
A20...Mayhem On Wheels
A21...Jugette 2
A22...Shuttlecock Anim
A23...T-Pot Anim
A27...Fleet Manouvre
A28...Billiard Anim
A29...E/Prise Leaves Dock
A30...Starwars 2 Anim
A31...Star Trek Anim
A32...Fraxion revenge
A34...Madonna Anim
A35...Stealthy Anims 2
A36...Raiders Of The L/Ark
A37...Bugs Bunny Show
A38...Iraq V's UK Anim
A39...Mike Tyson anim
A42...Walker 2
A43...Walker 3
A45-46...Light Cycle (2)
A47...Exploding Head
A48...Police Car Chase
A49...Top Gun Demo
A50...Animators Demo
A51...5 Ways To Kill a Mole
A52...Another 5 Ways
A53...Batman The movie
A54...3D Spaceship
A55...Mr Potato Head
A59...Low Level Flight
A63...Amy V's Walker
A64...Real Pinball Anim
A66...Porky Pig Anim
A67...Adventures Of Chuck
A70-71...Max Overdrive (2)
A73...Spaceshuttle Anim
A74...Ghostbusters + Horse
A76...Alarm Anim
A77...Flight Anim
A78...Piano Anim
A79...Dart Anim
A80...Bad Bird Anim
A81...Holiday Anim
A82...Fillet The Fish
A85...Miners Anim
A86...Pocket Watch Anim
A90-93...The Movies 2 (4)
A95...My TinToy
A96...T-Pot 2 Anim
A99...Terminator 3
A100...Dolphin Dreams
A101/102...Thunderbirds (2)
A103...History of Amy
A104...Pogo Anim (2 Meg)

EDUCATION

E1....Education Pack 1
E2....Education Pack 2
E3....Education Pack 3
E4....Education Pack 4
E5....Education Pack 5
E6....Education Pack 6
E7....Educational Worlds 1
E8....Educational Games
E9....Math Drill
E10...Amiga Function Com
E11...Devware Ed Comp
E12...Simon Says + S Maths
E13...Kids Paint
E14...Storyland 2
E15...Colour It
E16...Colour The Alphabet
E17...D.T.P. For Children
E18...Algebra
E19...Amosagram
E20...Animal Land!
E21...Animal Sounds
E22...Military War Sounds
E23...Vehicles Sounds
E24/25...Read & Learn 1 (2)
E26...Junior Maths

BOULDERDASH COLLECTION 1-8

10 DISKS PER PACK FULL OF ROCKFORD STYLE GAMES COLLECT THE DIAMONDS, WATCH OUT FOR THE ROCKS. 8 PACKS ALL £10.50 ea pack

CLR LICENCEWARE

EDUCATION

CLE01 **DINOSAURS** Learn all about certain types of Dinosaurs Le Jurassic, Triassic and Creataceous. 2 disks £4.50
CLE02 **GEOLOGY** Want to know all about the Volcanos and their substances then try this. 2 disks £4.50
CLE03 **SOLAR SYSTEM** Know more about the Solar system with info on Planets etc with pictures. 3 disks £5.50.
CLE04 **COLOURING PAD** A unique colouring book to keep the kids amused for hours. 1 disk £3.50.
CLE05 **A CHORD** Learn to play the guitar by listening to nearly every single chord available. 1 disk £3.50.
CLE06 **MATHS INSTRUCTOR** Get through the GCSE's with this Maths instructor. Trig, Quadratic, Area etc. 1 disk £3.50.
CLE07 **FRESHWATER FISHING** Think you know all about fishing? Try this. 2 disks £4.50.
CLE08 **NIGHT SKY** Look at the stars, planets etc from anywhere and click on an object for info. 1 disk £3.50.
CLE09 **WORDS + LADDERS** A word spelling game for 1 or 2 players. 1 disk £3.50.
CLE10 **BASICALLY AMIGA** Get to know your Amiga to the full 3 disks £5.50.
CLE11 **LETS LEARN V1.1** Learn sums, tunes codes etc on this learning aid. Age range from 5-7. 1 disk £3.50.
CLE12 **ALPHABET TEACH** Try to spell what you see on the screen. 1 disk £3.50.
CLE13 **HOME BREW** With recipes to instructions on fermenting etc. Learn how to make home made wine. 1 disk £3.50.
CLE14 **ECOLOGY** Learn more about Ecology with this brill program. 3 disks £5.50
CLE15 **FAST FRET** Learn scales on the guitar and become as good as the best (with sound!). 1 disk £3.50
CLE16 **KINGS AND QUEENS** Find out all the Monarchy's history with this program (with pictures). 2 disks £4.50
CLE17 **THINGAMAJIG** Brill puzzle type education program. 1 disk £3.50
CLE18 **WORK AND PLAY** 3 educational programs to help children learn easily. 1 disk £3.50.
CLE19 **PLAY IT SAFE** This will teach children what safety is inside and outside. 1 disk £3.50.
CLE20 **BIG TOP FUN** Another 4 programs to help the children. 1 disk £3.50
CLE21 **JIGMANIA** 2 jigsaw type educational programs on this disk. 1 disk £3.50.
CLE22 **CHESS TEACHER** Learn how to play chess the easy way with this teaching aid. 1 disk £3.50.
CLE23 **MIND YOUR LANGUAGE** Like a dictionary this explains word meanings but samplified. 1 disk £3.50
CLE24 **SPEED READING** Learn the art of fast reading if you have problems. 3 disks £5.50.
CLE25 **CHORD COACH V3.1** Learn how to play different chords on the piano. 1 disk £3.50.
CLE26 **SNAP** Match silhouettes with the colour pictures on screen. Age 3+ 1 disk £3.50.
CLE27 **C.A.T.T.** A complete Tarot card translater for the phychics among us. 3 disks £5.50.
CLE28 **FUN WITH CUBBY** 8 programmes to help the children learn with fun. 1 disk £3.50.
CLE29 **PREHISTORIC FUN** Learn about the dinosaurs with 4 great games. 1 disk £3.50
CLE30 **PEG A PICTURE** Draw pictures with either pegs or shapes, excellent for children. 1 disk £3.50.
CLE31 **UNDERSTANDING AMOS 2** Having problems learning Amos, not anymore with this program. 2 disks £4.50
CLE33 **MESSERSCHMITT BF109** Learn about different parts of this plane with graphics. 2 disks £4.50
CLE34 **YOUR FIRST PONY** What to look for and how to look after your first pony (book). 2 disks £4.50
CLE35 **TC SOLAR SYSTEM 2** Sequel to ses 1, superb 3 disks £5.50
CLE36 **THE TIME MACHINE** Teaches kids to tell time. 2 disks £4.50
CLE37 **DISCOVERY AMERICA** Learn all about colonisation of U.S.A. 1 disk £3.50
CLE38 **HOME INVENTIONS** First in the quest for knowledge series, this picture book deals with inventions since 1750. 2 disks £4.50
CLE39 **MY LITTLE ARTIST** Superb colouring book for children with features for disabled needs as well. Needs 1 meg chip ram . 2 disks £4.50

UTILITIES

CLU01 **VIDEO TITLER** Make your videos look professional, scrollers etc. 1 disk £3.50.
CLU02 **FISH INDEXER** A full database of the Fred Fish library. 1 disk £3.50.
CLU03 **TYPING TUTOR** Typing can be no longer a problem with this. 1 disk £3.50
CLU04 **A-GRAPH** Create pie charts and bar graphs with ease. 1 disk £3.50
CLU05 **SAS MENU MAKER** Make menus to suit you. 1 disk £3.50.
CLU07 **PHILO** An easy to use but powerful database system. 1 disk £3.50.
CLU08 **WORD FINDER** Solve the crosswords easily. 2 disks £4.50.
CLU09 **PLAY AND RAVE** 2 A music module linker to create music. 2 disks £4.50.
CLU10 **POWER ACCOUNTS** Keep accounts of your expenditure with password function. 1 disk £3.50
CLU11 **CALC V1.3** An excellent spreadsheet for those cross calculations. 1 disk £3.50.
CLU12 **VIRTUAL WINDOWS 1** A collection of utilities like address book, notepad, software cats etc. 1 disk £3.50.
CLU13 **DATOS** Easy to use yet very powerful database. 1 disk £3.50.
CLU14 **STOCK CONTROLLER** Keep up to date with your stock control 1 disk £3.50.
CLU15 **EPOCH** Very powerful calendar utility 1 disk £3.50.
CLU16 **CROSS STITCH** Useful needlework utility. 1 disk £3.50.
CLU17 **LC10 FONTS** Different fonts for your LC10 Printer. 1 disk £3.50.
CLU18 **LC200 FONTS** Different fonts for your LC200 Printer. 1 disk £3.50.
CLU19 **LC24FONTS** Different fonts for your LC24 Printer. 1 disk £3.50.
CLU20 **CANON BJ10 FONTS** Different fonts for your BJ10 Bubblejet printer. 1 disk £3.50.
CLU21 **INVOICE MASTER** Sort your invoices out easily with this one. 1 disk £3.50.
CLU22 **H.D.M. v1.1** A hard drive multitasking menu system. 1 disk £3.50.
CLU23 **F-15 ANIMBRUSHES** Anim brushes for use with paint packages. 1 disk £3.50.
CLU24 **RED LOTUS ANIMBRUSHES** More anim brushes for paint packages. 1 disk £3.50.
CLU25 **STAR FIGHTER ANIMBRUSHES** Even more anim brushes for paint packages. 2 disks £4.50.
CLU26 **STAR VOYAGER ANIMBRUSHES** Yet more animbrushes for paint packages. 3 disks £5.50.
CLU27 **IMAGEBASE** A very powerful image database to store pictures text and sound. 1 disk £3.50.

GAMES

CLG01 **NORRIS** A very addictive game set in the medieval era. 1 disk £3.50
CLG02 **DARK THINGS** A brilliant platform scrolly game. 1 disk £3.50
CLG03 **PHASE 2** An excellent doeways scoll shoot em up game. 1 disk £3.50.
CLG04 **X-SYSTEM** A very addictive game with the usual end of level monster. 1 disk £3.50.
CLG05 **TRUCKING ON** Try and manage your own truck fleet, excellent. 2 disks £4.50.
CLG06 **OBLITERATION** Another fast shoot em up type game 1 disk £3.50 (Not pbm compat).
CLG08 **DRAGON TILES** Old Japanese type mahjong style game. 1 disk £3.50.
CLG09 **MOTOR DUEL** Drive a 3D car shooting and racing with opponents. 1 disk £3.50.
CLG10 **FUTURE SHOCK** A case of getting the bat through the maze. 1 disk £3.50.
CLG11 **ALL GUNS BLAZING** Car game for 2 players with the overhead view theme. 1 disk £3.50.
CLG12 **BULLDOZER BOB** Wipe out the screens of coloured blocks. 1 disk £3.50.
CLG13 **PARADOX** A puzzle game to test those powers of solving. 1 disk £3.50.
CLG14 **SONIC SMARTIEHEAD** Another platform style game. 1 disk £3.50.
CLG15 **SPLODGE THE REVENGE** Another platform game with puzzles to solve. 1 disk £3.50.
CLG17 **IMBRIUM DAY OF RECKONING** One of those graphic adventure type games, excellent! 1 disk £3.50.
CLG18 **SKAN 29** Brill platformer with 220 levels and end of level monsters. 1 disk £3.50
CLG19 **STELLAR ESCAPE** Vertical scrolling shoot em up game. 3 disks £5.50.
CLG20 **JUNGLE BUNGLE** A mouse icon driven adventure that will have you playing for hours. 1 disk £3.50
CLG21 **FLOWER POWER** Try and grow flowers before the bugs eat them. 1 disk £3.50.
CLG22 **STOCKING FILLERS** 3 games all with Christmas themes. 1 disk £3.50
CLG23 **MARVIN THE MARTIAN** A massive maze type game where you collect things to stay alive. 1 disk £3.50.
CLG24 **EASY MONEY** Excellent fruit machine (not plus compat). 1 disk £3.50.
CLG25 **WHITE RABBITS** Another puzzle type game. 1 disk £3.50.
CLG26 **MONSTER ISLAND** A strategy type adventure along the lines of Dungeons and Dragons. 1 disk £3.50
CLG28 **THE RIFT** Excellent platform adventure along the lines of Turrican. 1 disk £3.50.
CLG29 **BILLY BALL** Guide Billy through 5 worlds of mazes. Excellent game. 1 disk £3.50.
CLG30 **CAPTAIN K** Collect flowers and kill baddies to move to next level. Good fun! 1 disk £3.50.
CLG31 **DIRTY RACKETS 3** Tennis platform game! 1 disk £3.50

ASSASSINS 1 TO 142 NOW IN

DON'T FORGET TO CLAIM YOUR FREE GIFT – WHILE STOCKS LAST

RAVE & TECHNO PACK 1
ORDER NO: PO1
DANCE IN STYLE WITH ALL THE LATEST RAVE & TECHNO SOUNDS ON THE AMIGA
10 DISKS FOR ONLY £10.50 + P&P

RAVE & TECHNO PACK 2
ORDER NO: PO11
YET MORE OF YOUR FAVOURITE DANCE TRACKS TO KEEP YOU RAVING
10 DISKS FOR ONLY £10.50 + P&P

EDUCATION PACK
ORDER NO: PO2
LEARN LANGUAGES, PLAY GAMES, WATCH DEMOS, PAINT PICTURES ETC. AGE RANGE 5-ADULT
15 DISKS FOR ONLY £15.50 + P&P

CLIP ART PACK
ORDER NO: PO3
WITH 100s OF PICTURES TO CHOOSE FROM, THIS IS A MUST FOR ALL YOU D-PAINT AND DTP ENTHUSIASTS
15 DISKS FOR ONLY £15.50 + P&P

BUSINESS PACK 1
ORDER NO: PO4
WHETHER IT'S JUST TYPING A LETTER OR KEEPING A RECORD OF YOUR FINANCES, THIS IS A DEFINITE MUST
10 DISKS FOR ONLY £10.50 + P&P

BUSINESS PACK 2
ORDER NO: PO10
EVEN MORE UTILITIES TO KEEP YOUR RECORDS RUNNING SMOOTH
10 DISKS FOR ONLY £10.50 + P&P

STAR TREK PACK
ORDER NO: PO8
THIS IS FOR ALL YOU STAR TREK FANS. CONTAINS STAR TREK GAMES 1 & 2 + OTHER ANIMATIONS ETC
10 DISKS FOR ONLY £10.50 + P&P

CARD GAMES PACK
ORDER NO: PO9
CAN'T FIND THOSE CARDS, FEAR NOT, ALL YOUR FAVOURITE CARD GAMES ARE AT HAND IN THIS PACK
10 DISKS FOR ONLY £10.50 + P&P

SPECTRUM EMULATOR
ORDER NO: PO7
THE NEW 1.7 EMULATOR WITH FOUR GAMES DISKS. 66 GAMES IN ALL, A MUST FOR ANY COLLECTION
6 DISKS FOR ONLY £6.25 + P&P

ASSASSINS PACKS £1.50 EACH

10 DISKS	£10.50+p&p
30 DISKS	£28.50+p&p
40 DISKS	£34.50+p&p
54 DISKS	£43.50+p&p
70 DISKS	£58.00+p&p
ALL 116	£95.00+p&p

ACCESSORIES

MOUSE HOUSE	£2.50
MOUSE MAT	£2.80
AMIGA MOUSE	£14.99
10 CAP BOX	£1.99
A500 COVER	£3.99
A600 COVER	£3.99
A1200 COVER	£3.99
3.5 DSDD DISKS	£0.69
MONITOR STAND	£10.99

HOW TO ORDER

All you need to do is put the numbers of the disks required and send it to the address below along with a cheque or PO made payable to *DISKOVERY*
Please don't forget to include the correct postage to ensure speedy delivery

PRICES

PUBLIC DOMAIN	POSTAGE
1-9 ... £1.50 each	Europe PO ... 60p
10-20 ... £1.25 each	Accessor ies ... 90p
20+ ... £0.99 each	World PO ... £1.50
	Accessor ies £1.90

A1200 DEGRADER NOW IN ONLY £1.50 each MOST DISKS WILL WORK NOW

SEND YOUR ORDER TO...

WE ACCEPT ALL MAJOR CREDIT CARDS

WOT NO SWITCH NO!

DISKOVERY, DEPT (AC), 108 THE AVENUE, CLAYTON, BRADFORD, W YORKS BD14 6SJ

DIRECT SOFTWARE

DEPT AMFBDO5SC Unit 3, Cross Keys
Shopping Mall, St Neots, Cambridgeshire
PE19 2AU
TELEPHONE ORDER LINE: 0908 379550
FAX: 0908 277142

ORDER HOTLINE
0908 379550

BLANK DISKS

ALL OUR DISKS COME WITH A 100% ONE FOR ONE GUARANTEE

RECYCLED COVER DISKS		DS/DD		DS/HD	
50	£10.99	50	£16.00	50	£22.00
100	£20.00	100	£30.00	100	£40.00
250	£45.00	250	£70.00	250	£90.00
500	£85.00	500	£135.00	500	£170.00
1000	£150.00	1000	£255.00	1000	£320.00

All our disks include FREE labels

We will not be beaten on price!

Please make cheques and P.O payable to:-
DIRECT SOFTWARE, DEPARTMENT AMFBDO5SC UNIT 3, CROSSKEYS SHOPPING MALL, ST NEOTS, CAMBRIDGESHIRE PE19 2AU.

UK MAINLAND - DELIVERY FREE

OTHER AREAS - PRICES ON APPLICATION

All parcels are sent out by recorded delivery. All items subject to availability. All prices subject to change without notice. E&OE. Please allow for cheque clearance.

Please charge my Access/Visa No: Expiry Date: □□/□□

ORDER FORM

CUSTOMER NUMBER

Please supply me with the following for

Computer.....

TITLES

POST + PACKAGING	
TOTAL	

DATE:

NAME:

ADDRESS:

POST CODE:

TEL:

AMIGA FORMAT MAY 94

SPRITE X3

The ultimate image editor for your AMOS games!

Sprite X 3 is the latest development of the popular Sprite X series of Bob/Sprite/Icon editors for AMOS, by the programmers who brought you the TOME Map Editor Series, Shadow Software.

Sprite X 3 employs the latest in AMOS technology to bring you fast and easy image grabbing and editing, including a fully automatic image grabber, detailed and easy to follow manual, comprehensive editing tools and an incredibly user friendly interface that only 3 years of development and testing can give you!

Sprite X3 can edit bobs, icons, sprites, screens and even Workbench Icons, up to 1023x1023 pixels in size! It will work, multi-tasking, alongside your favourite graphics packages, and pictures can be rapidly imported via an automatic Ramdisk loader.

Eleven banks of Images can be held in memory at once, and images can be swapped and copied between banks, using Sprite X 3's **built in bank arranger.**

The Grabber X 3 utility, built into the program, is the most powerful image grabber ever. It has several different modes of grabbing, from simple co-ordinate grabs to **Full Auto Grab,** where the program will automatically detect the sprites on a picture, and then cut them out perfectly, even automatically hot spotting them! **This utility alone will save you hours when creating game graphics!**

Now being used by the top AMOS programmers including Aaron Fothergill, Len Tucker and Phil South, **Sprite X 3 is a must for your AMOS system.**

AVAILABLE NOW, £29-99 FROM:

INDI SOFTWARE LTD
92 HIGH STREET
JOHNSTONE
PA5 8SD
TEL/FAX 0505 336611

Trade Enquiries Welcome



- BE CAPELLO
- BUY BAGGIO
- BUILD THE GREATEST TEAM IN THE WORLD

CHAMPIONSHIP MANAGER ITALIA







- This detailed simulation of both Serie-A and Serie-B of the Italian Football League, includes all the correct rules of Italian football, featuring the correct play-off systems and 2 points for a win .
- All major competitions including the Italian Cup, European Cup, Cup Winners Cup, UEFA Cup, and Anglo-Italian Cup are fully implemented.
- Full details on all players in Serie-A and Serie-B including full career histories and accurate ratings for passing and tackling. Additional information is provided by Italian researcher Giancarlo Rinaldi, and World Soccer Magazine.
- Details on players in Serie-C. Pool of the world's best foreign players.
- Realistic transfer system which conforms to the Italian method.
- All aspects of the game adjusted to suit Italian football for example the use of five possible substitutes in matches.
- Includes all the features of our best selling Championship Manager '93 published by Domark Software Ltd.
- Game runs over 40% faster than the original Champ Man '93.
- Comes fully packaged, including comprehensive manual, which includes a unique guide to Italian lower division players.

AVAILABLE EXCLUSIVELY FROM INTELEK AT THE UNBEATABLE PRICE OF £17.00

NAME

ADDRESS

POSTCODE PHONE

ITEM PRICE

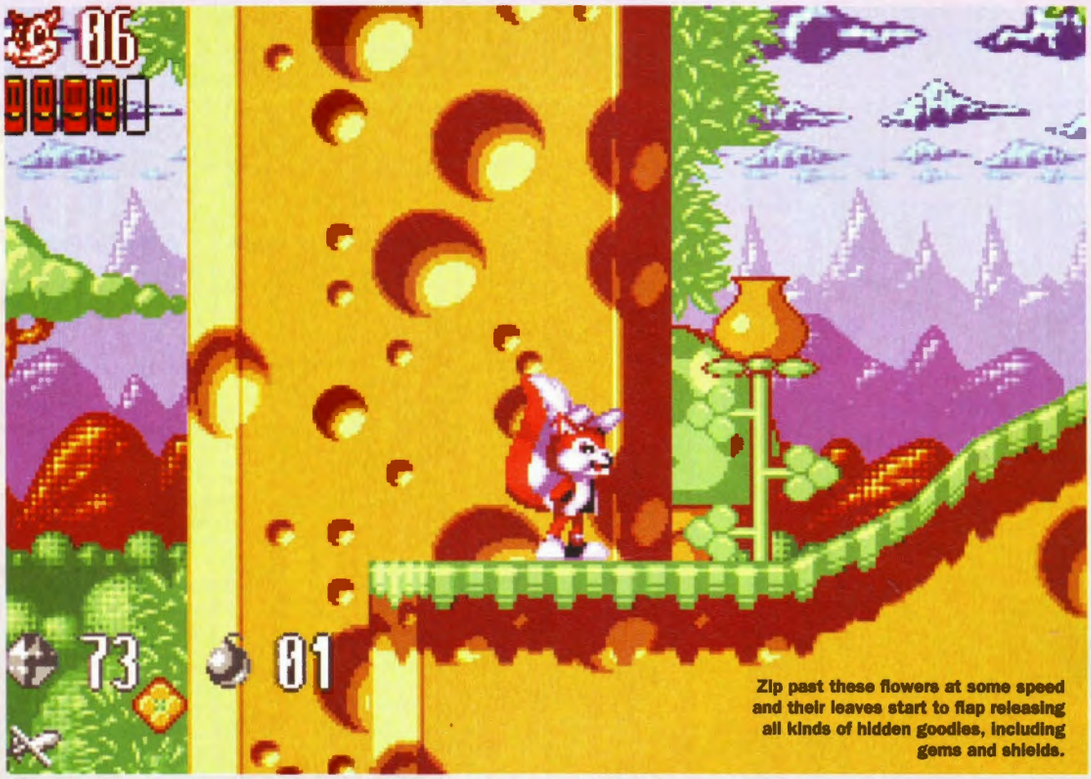
MACHINE

AMIGA FORMAT

Make cheques or postal orders payable to:
INTELEK PO BOX 1738, BOURNEMOUTH BH4 8YN

Price includes post and packaging £17.00. Please allow 28 days for delivery.

INTELEK



Zip past these flowers at some speed and their leaves start to flap releasing all kinds of hidden goodies, including gems and shields.

MR NUTZ

There's nothing left but chickens, apparently. Yup, the little cluckers have invented colour TVs, racing cars and stereos and developed a system of battery farming where human beings lay little ovoid shapes all day.

But, boy, when things go wrong, they really go wrong. The inhabitants of planet Capon (or something) have run out of coffee after a bad harvest and, such is their craving for caffeine, they turn against the squirrels from Planet Peanut.

Sureally strange

This isn't a surrealist fantasy or even the latest animé adventure, but Ocean's new platform game *Mr Nutz*. You play the squirrel superhero of the title whose task is to explore Planet Peanut, collecting goodies and banishing the fowl ones. The action takes place over four themed worlds – Nature, Underground, Water and Inca. Each world contains a number of chicken bases which have to be closed down. Access to each base is via a map screen which contains a network of paths, often leading to chests of treasure and other characters who can help you.

Each world is also made up of different islands so occasionally Nutz has to sail from one to another on his raft or use the Peanut teleport system. There are two types of platform level in the game. The chicken bases are the most important and are marked with a red pennant on the map screen. The blue pennant levels are less crucial, but are a valuable source of the goodies you need to defeat the chickens and gain access to the bonus sections.



The Warp Zone is one of three bonus sections filled with gems and other goodies. It looks a bit like *Bob's Bad Day*.



Mr Nutz reaches for the packet of nuclear Paxo hidden in his utility belt.



Our hero takes a breather and admires the impressive parallax scrolling.

It all bears more than a passing resemblance to Sega's *Sonic*, with the levels' sweeping curves and the way Nutz turns into a ball of fur when he speeds up. The map section is reminiscent of *Super Mario*.

Sadly, this doesn't mean *Mr Nutz* is any good. Even during the opening levels, it's easy to lose hit-points and lives because you have to stamp on baddies to kill them. Why can't Nutz lob acorns at them?

Size does matter

The map and platform sections also jar. Wandering around the map soon gets tedious, especially when you have to retrace your steps because teleports have been knocked out. The map's small size also makes it hard on your eyes.

Saving the game is a nightmare too. You have to go to certain teleports armed with a star which is only awarded when you collect 99 gems. Because you need stars to find bonus sections, it's easy to die and be sent back to the beginning of the game.

Mr Nutz isn't all bad. The scrolling is smooth, the sprites are cutely animated and the controls are slick. It's all just a little uninspiring and its high frustration factor is going to have you throwing your Amiga out the window in despair.

Rob Mead

MR NUTZ



PROGRAMMERS
The Neon Team

PUBLISHER
Ocean 061-832 6633

PRICE
£25.99

RELEASED
Out now



GRAPHICS
1 2 3 4 5 6 7 8 9 10
This cutesy game bears more than a passing resemblance to Sega's *Sonic the Hedgehog*.

SOUND
1 2 3 4 5 6 7 8 9 10
The usual Bontempi nonsense plus nondescript sound effects and annoying squirrel samples.

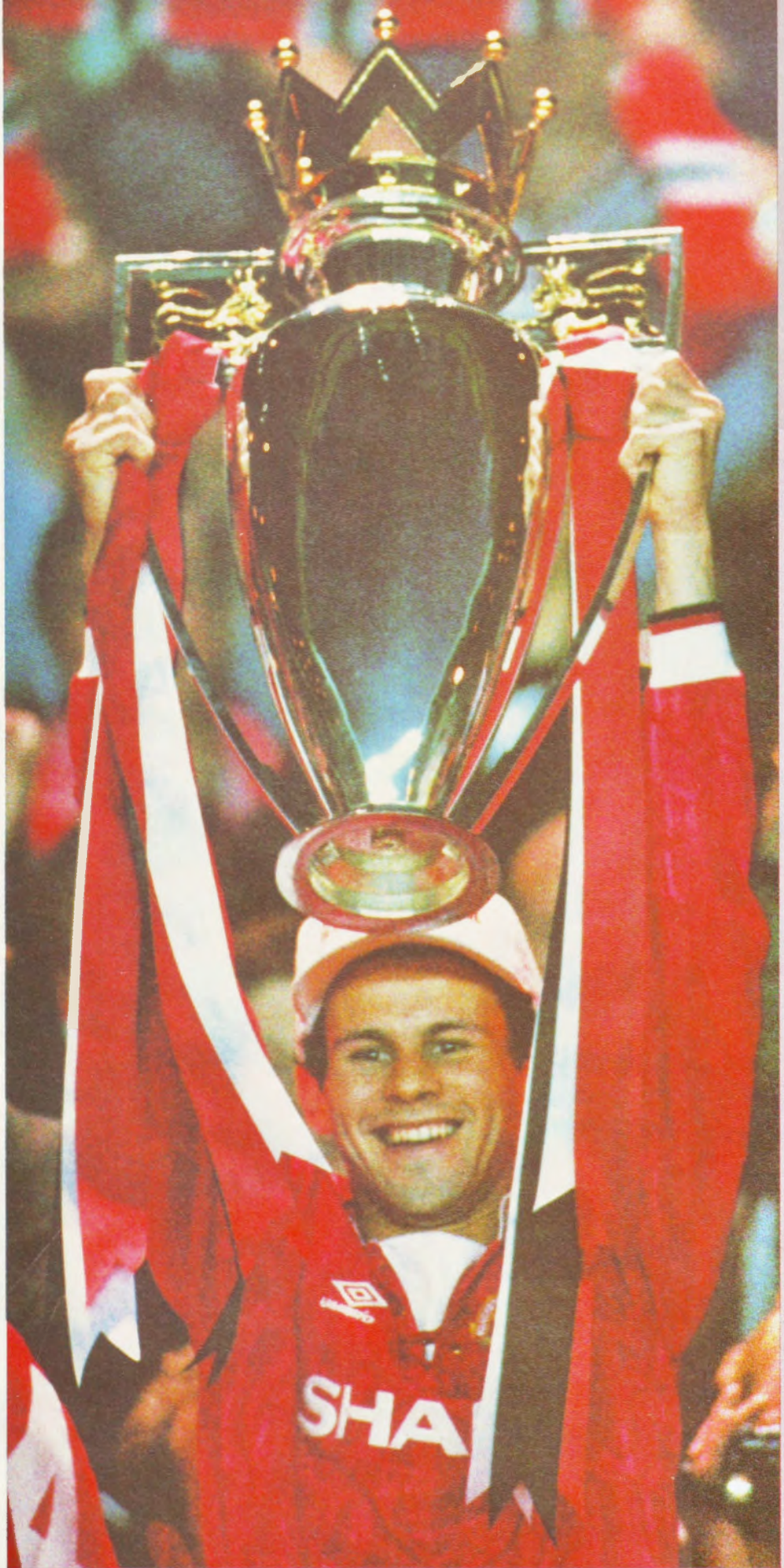
ADDICTION
1 2 3 4 5 6 7 8 9 10
It's frustrating, but *Mr Nutz* manages to sink its teeth into your gameplaying soul.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
Four huge worlds, bonus sections and a giant map should keep you enthralled for hours.

VERDICT

"This competent platformer is let down by a complete lack of originality and a very high frustration level. *Mr Nutz* tries so hard to be *Sonic* that it hurts."

71%







Manchester
UNITED

Manchester United won the first Premier League competition and look set to win the second. Whilst the Manchester United team have practised their skills on the training ground, Krisalis' top team of programmers have toiled to perfect a football simulation which will give the player a more realistic reproduction of the football season together with its injuries, suspensions, tactics and careful foreward planning that could dictate the success or failure of your chosen team before you have even picked up your joystick and pressed a fire button in anger.

• Tacti-Grid™. An advanced form of strategic control allowing complex formation design and individual player match tactics. • Up to 4 human players can take control of any Premier League, Endsleigh League or GM Conference club. • Play full and accurate seasons which include league, F.A. Cup, League Cup and Charity Shield, relegation, promotian, play-aff and friendly matches. Alternatively create custom league and cup competitions, or play one-off matches. • Varying injury types and severities, yellow and red cards, disciplinary points and variable suspensions. • Selectable home, away or third strip. • A host of statistic charts and graphs including all league tables, fixture lists, cup draws, team and divisional top scorers, manager and team performance, injury type and duratian and disciplinary records. • Over 2500 players all with accurate skin tones and hair colours and 10 different varying skill abilities. • Arcade section includes ultra-quick gameplay, passing, shooting, heading, diving headers, deflections, variable pitch conditions, advanced computer player intelligence, extra time, injury time and penalty shoot-outs. • Latest Premier League rules including squad numbering, substitute goalkeepers and pass back rule. • Advanced replay mode with slow motion, freeze frame, and reverse comero angle features.

The most accurate and comprehensive football simulation ever created.

Premier
LEAGUE
CHAMPIONS

Amiga 500/Plus • Amiga 600
Amiga 1200 • CD32 • PC3.5 • PC CD ROM

KRISALIS SOFTWARE LTD.



Welcome to the eerie, spooky land of *Darkmere*. Foul deeds are taking place in this once beautiful village, nestling on the banks of the River Ouse. Dare you wander about vaguely, pop in to the plethora of antique shops and buy a couple of knick-knacks for the sideboard at home? Just don't buy any horse brasses!

DARKMERE

The orcs are rampant, the barbarians lack job satisfaction and an evil incarnation has cast an air of doom over your land. It's time to reach for your book of happy spells...



Hidden secrets lie within plain-looking barrels. This one's got beer in it. Burp!



Visit the Blacksmith for a chat and a cup of tea and go robbing for him.



Bump into an orc and you'll have to battle your way out with more than talk.

They have a rough old time of it in enchanted lands. One minute they're happily brewing potions, laughing with the fairies (like you do), and polishing their sacred orbs and the next minute some evil force toddles into town and the village elder asks for volunteers to embark on a dangerous quest of good versus evil. And we think we've got it tough with the Council Tax.

Such is the fate that has befallen the Kingdom of the Elven King Gildorn. He meets a nice lost elf, falls in love with her and then just as they're picking curtains for the Elven castle, she ups sticks and naffs off.

The King (no, not Elvis), isn't too chuffed about this because they'd found some nice flowery ready-mades and so he goes off to look for her. There's no sign of Her Majesty, but he does chance upon his newborn son who, mysteriously, has been left in the middle of the forest.

Anyway, the kid grows up to be dead hard (don't they always) and the King mourns his missing missus and doesn't notice the barbarians, orcs, Council Tax collectors and other miscreants who flock to his kingdom and hang their battle axes and clipboards above the fireplace.

Getting into prince

Eventually Kingy comes to his senses, realises that his happy kingdom looks more like Bosnia than DisneyWorld and sends his son off to sort it all out with only a glowing sword and a crystal for company. And guess what? You're the king's son – Ebryn. Welcome ladies and gentlemen to the odd world of the role-playing game.

Darkmere is the latest in a long line of isometric RPGs. You control Ebryn with a joystick and you've got to wander around the village, the forest and the orc caverns. Your progress depends on three things:



In days of old, when men were bold and women wore large bras, a naughty dragon stole some beer and set alight some cars. Lords and ladies, I thank you.



Hello Sailor. Fancy a good time? I've got Sky, a CD³², brilliant jigsaws, a jacuzzi, the complete works of Boris Yeltsin and some very fine cheese. Or you would you prefer a plain old-fashioned...? *(Snip! – Ed).*

combat with weirdies, problem solving and mapping.

If you prefer a nice linear game in which the only choice offered is whether to get the laser or the smart bomb, stop reading now. However if your IQ is larger than your shoe size then the odds are that you will enjoy the mental challenge of *Darkmere*.

Ebryn starts off in a little room on West Wall Street. This is a good time to acclimatise to the various menu options. By clicking Fire you're presented with a drop-down menu. This displays options such as: search, examine, take, drink, smell or question, although these are dependent on who or what is in the room with you.

In the start location there are human bones, a key, beer bottles, a barrel and a stocky chap. You can take the beer, drink it and feel woozy, grab the key and have a chat with the bloke. It's easy to tell if the person you're questioning is going to be of any use – the number of topic options will be larger.

Been there, bashed that

This kind of game hasn't changed a lot since Ultimate started creating them in the early Eighties. All right so the graphics have improved and games are Amiga user-friendly now, but essentially it's the same old thing time and time again. You plod around a fantasy world, bashing in orcs and collecting treasure. So the only really valid question is: how well designed are the puzzles?

I'm happy to say that the problems in *Darkmere* are well conceived and logical. An initial search of the city will eventually bring you to the Blacksmith's shop. He'll ask you to steal some iron ingots for him from people's houses. This will lead you on a search of the village and lots of encounters with orcs, demons and deadly rats. You're warned about danger by your sword which lights up like a lightsabre when there's summat nasty around the corner.

I would strongly advise you to map the zones. This not only makes navigating around the village easier, but also helps in working out the problems. Fortunately Core supplied *AF* with maps of the game and judging from the size of them I reckon it will take you a good week of solid playing just to visit all the places in the village.

The isometric design works well, although combat can be frustrating, because unless you line yourself up correctly you will be slashing thin air and it only takes a few hits to deplete your energy. I often found myself legging it from dangerous beasties before they gave me the inevitable kicking.

Darkmere isn't linear (that's a good thing), it has a simple drop-down menu system (that's good and bad) and some frustrating action sections (that's bad). If you're desperate for a fix of fantasy land then buy *Darkmere* tomorrow. It isn't up to the standards of American games, but its tight design, atmospheric graphics, spooky sound and naff plot make it a must-buy for all you goblin fanciers.

Andy Hutchinson AF



It's a long, long road, with many a winding turn, that leads us who knows where, who knows when. So you should have brought an *OS Trailfinder* with you, silly.



Obvious captions would include: He who lives by the sword...; He's got a fair point...; Lying down on the job again...

DARKMERE



PROGRAMMERS
Core Design

PUBLISHER
Core 0332 297797

PRICE
£29.99

RELEASED
Out now



GRAPHICS
1 2 3 4 5 6 7 8 9 10
Wonderfully detailed locations with better wood-effects than MFI, but some dodgy animation.

SOUND
1 2 3 4 5 6 7 8 9 10
Spooky tunes and tasty spot effects. The orc death sound is particularly groovy.

ADDICTION
1 2 3 4 5 6 7 8 9 10
You can wander around any of the locations on each level, and solve puzzles at the same time.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
Well designed drop-down menus. Aimed, not completely successfully, at games players.

VERDICT

"*Darkmere* is a funky role-playing game with some decidedly odd characters, some good spot effects and a familiar naff plot. Play before you buy."

80%



Death is more of a certainty than a probability, and these mad axe mutants ensure that this is the outcome every single time.

TOTAL CARNAGE



Lager. It's as good a word to start as any. Anyway, the redoubtable General Akhboob has been up to some devilish tricks involving goo. Yes, goo. If it had been *Playdoh* then the problems would have been minimal at worst.

But the goo has produced some wild mutant creations (didn't *Playdoh* smell just smashing?) and as the Western world isn't yet receptive to the idea of mutants wandering about, you have been given the task of taking the General to erm, task.

Call yourself Captain Carnage, and if a mate wants a game then he or she can be Major Mayhem. How nice. "Gentlemen, we have ourselves a situation here," is the sort of thing one of these characters might espouse if this were a film.

However, it is but a viewed-from-above shoot-em-up and the chaps cannot talk. Shame really. At least then they could moan about the difficulty, neigh, almost impossibility of their task, at the standard of gameplay, and the way they walk around like Mr Humphreys from *Are You Being Served*. If they walked like Mrs Slocombe the fiends would run far their dear lives.

In one-player mode it becomes apparent that *Total Carnage* could have been named *Mission Impossible*. No sooner have you pressed finger to trigger, than you find yourself immediately surrounded by mutant soldiers.

Imagine, if you will, a fight where the combatants are a Dr Marten boot (cherry red, 21 lace holes) and an earwig. The Dr Marten boot wins every time.

Two-player mode is a tad more enjoyable – you live for at least, oh, a couple of minutes before the mutants pulverise you. There are two difficulty modes – very hard and bleedin' impossible.

Power-ups abound. They include enhanced weaponry, extra lives and bonus gems. And by jove you need them. Also, there are folk scattered around who require rescuing although it remains unclear as to why blonde women in bikinis are in the Kookistan desert. Perhaps they are friendly mutants.

Unfortunately, good games require more than big guns and blondes. *Total Carnage* is not a good game. It's a poor game. Why it's A1200-only is a mystery. The graphics are of Armitage Shanks standard and the scrolling is equally poor.

Controlling your pugnacious pal is hugely difficult (the CD^{32} joypad works best for me) and you get trapped, shot and squashed at will. At 30 nicker it's outrageously costly.

Total Carnage is not devoid of amusement and the disk accessing screen is splendid. A huge, muscular Rambo-type figure stands proud while politely requesting that you 'Please wait'. Hurrah! If you want a decent two-player shoot-em-up get *The Chaos Engine* instead.

Stephen Bradley

TOTAL CARNAGE



PROGRAMMERS
Simon Fox, Keith Weatherly

PUBLISHER
ICE 0453 756993

PRICE
£29.99

RELEASED
Out now

GRAPHICS
1 2 3 4 5 6 7 8 9 10
Oh what visual delight doth the AGA chip bring. Not in *Total Carnage*, though.

SOUND
1 2 3 4 5 6 7 8 9 10
You can't go wrong with a few bangs and crashes and the odd plaintive cry of 'Total Carnage'.

ADDICTION
1 2 3 4 5 6 7 8 9 10
In two-player mode, you can enjoy this up to a point. If it's raining and there's nowt on TV.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
It's far too difficult, and not made any easier by the awful sprite control.

VERDICT

"Imagine something disappointing and multiply it by 19. *Total Carnage* is incredibly tough, even on the easy option, the graphics are poor and the 30 quid tag is simply not justified."

43%



If you want a load of easy points, use your bog standard rifle on the tanks and you're guaranteed about 20,000.



Sometimes when he has a rare day off from Noel's House Party, Mr Blobby terrorises folk in his tank.

PROFESSIONAL FOOTBALL MASTERS 4 VERSION

Quite simply the best Football management game for your computer. We have served thousands of satisfied customers during our 4 years of trading. Over 10,000 man hours (during 5 years) has been dedicated to the production of this constantly improving game. It is one of the most realistic and accurate representations of a professional football managers annual challenge to tactically out wit and conquer every opponent.

Managers : 1 to 4 Human players, Ratings, Performance statistics, sack and offers. 3 Difficulty levels, Manager of the month and season awarded, Pools, Pick any team in any division to begin with.

League & Cup : Premier 22 teams, Division 1,2 & 3 have 24 teams, Play-offs, Tables. 7 Cup competitions with precise rules (2 legs, extra time, away goal rule, seeded draws, European Cup tables, 5 subs, non-domestic player restrictions etc.), Finalist route to glory.

Games : Yearly fixture/previous list, Week fixtures/results, Results from previous meeting with opponent (goes back up to 6 seasons).

Players : Real life statistics reflecting the start of 93/94 season with real positions, height, age. Live transfer market, Contract & wage negotiations, Preferred foot (left/right/both), Loans, Injuries, Training, Special talents, Trainees, Goalkeepers (separate skill categories), Defenders, Midfielders, Attackers & Utility, Retirements, Foreign transfers, Unhappy players, Top 10 Hot shots.

Team : Training, Tactics (15 different styles), Aggression, Formation allows specific player field settings (Left winger, Sweeper etc.).

Club : Sponsorship, Ground improvements, View opponent, Finances

The Match : Real time scoreboard reporting goals & injuries yellow/red cards, Sound effects, Interventions permitted at any time to change tactics, formations and make subs. Physical graphical penalty participation (optional). Over 80 different referees.

Other : Fast load/save, Printer access, 20 Options to set various game preferences, Instruction book, Easy to play, Technical support.

Plus : Over 100 other meticulous refinements impossible to list here.

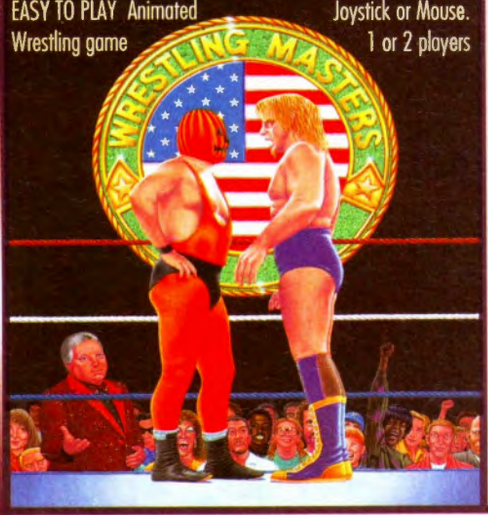
Editor : Allows you to amend various items in saved games. £12 Extra

Scottish : Dedicated version details available upon request.



EASY TO PLAY Animated Wrestling game

Joystick or Mouse. 1 or 2 players



CRICKET MASTERS

This is a purely managerial cricket manager game that concentrates on strategy and includes plenty of relevant statistics. The game has been designed and developed by a true fan of the sport. It replicates everything that a real manager has to contend with and it's a totally unique production that anyone with an interest in Cricket should experience.

A summary of the main features is shown below:-

- AXA EQUITY & LAW 18 league county teams, 50 overs per game.
- 4 Cup competitions including Benson & Hedges, Nat West.
- 20 different match umpires with accurate names and strictness.
- Accurate player details Surname, height and age.
- 27 different player attributes. Most skills have a direct impact on the effectiveness of each individuals actions during a simulated match.
- Easy player selection. All game text is clearly presented.
- Batting and bowling averages. Top batting and bowling tables.
- 3 Different training intensities to boost batting, bowling or fielding.
- Weather, pitch and light often make an impact on ground condition.
- Full match highlights let you watch the action ball by ball with full graphics and/or realistic sampled sound effects for significant events (Fours, Umpire decisions, etc.). Interventions are permitted at any time to change batting tactics or fielding placings.



- 3 Batting/Bowling classifications (Normal, Attack and Defend).
- Choice of 15 different field placings.
- Full scorecard results with best batting and bowling figures.
- Other staff (Physio, Groundkeeper, Scout) can be hired and fired .
- Annual league fixtures listing. Current week and last league results.
- View current cup competition draws and historic records.
- Real time transfer market. Player contract and wage negotiations.
- Sponsors, Printer access, Finances, Poor ground fines, Manager rating.
- 15 Options to alter game preferences, Load/Save game.
- Instruction book with plenty of examples.
- Plus many more fine details that we are unable to list here.

STABLE MASTERS V2

This game has been designed to be as close to real racing as possible. Five years of development by a clever racing expert has led to the second revision of this Flat Horse Racing Simulation.

Up to 4 players can participate as Owner Trainers with the primary objective of becoming the top rated trainer, in respect of prize money won, at the end of each racing season (March to November). There are up to 35 other intelligently controlled computer trainers to compete against and compare your personal performance.

To achieve this aim you must discover a potential champion and train them so that they become capable of competing well and winning any of the 47 big prize money races (Handicap and Group). eg. The Derby

To give you an idea of the tools provided in this game to assist you reaching your objective we have listed the main features below:-

- 250 horses each with over 60 independent variables.
- 26 different race courses (2 all weather), real life characteristics mirroring the diversity of racecourses in the UK (descriptions provided).



- 20 Jockeys who vary in ability and booking fees, Orders & Feedback.
- Formbook and Win Summary Cards cover the previous 200 races.
- Animated race display or just the result. View Declaration List for races.
- Very informative report by Head stable lad. Tipsters. Bookmakers.
- Racecards similar to racing press. Real life. Handicaps & Race Types.
- Viruses, Injuries & Vets. Load/Save game. Many other items included.

Version 1 is available upon request (Simple training & betting) @ £15.

ORACLE

You could have won £44,836 with this HORSE TIPSTER Utility

Open National Tipping Competition 1991 : Organised by Racecall, regulated by the Tote, this program achieved joint second. This led to a serious approach from a well known natianal book maker. Rejected in favour of supporting the public.

Winnings Statistics : 104 wins out of 166, as from 2/6 to 1/9/93.

Formula : This program tells you exactly what to do. You are NOT permitted to amend our system unlike so many other similar programs. How confident con you be in something that invites amendments!

Research & Development : Three years full time race analysis and experimentation to refine and test the prediction system.

Inside Knowledge : Plenty of unique hints from contacts in the know.

User Friendly : No racing knowledge required, easy to use, tutorial book.

Restricted Sales : As soon as our programs predictions have a prolific impact on the betting odds we will stop accepting new buyers.

Monthly Updates : Highly recommended option. If any update fails to break even we'll send the next one free of charge. From £25.

Price Increase : Highly likely. Buy now before success forces increase.

World Cup Cricket Masters

A fantastic graphical and/or tactical representation of Cricket that has been completely written by a traditional fan. You can physically participate with batting and/or bowling or leave it to the computer to automatically handle. See full feature list below :-



GAME OPTIONS
- 1 Day limited overs or test.
- White or coloured clothing.
- Three Cricket grounds.
- Load/Save game. Skill levels.
- Computer/Human players.

ANIMATED ACTION
- Sound Commentary.
- Umpire signals.
- All the strokes cut, pull, drive, etc.
- Appeals, dropped catches, run outs.
- Bouncers, wides and no balls.

STATISTICS
- Scorecard & bowling analysis.
- Weather and ground reports
- Wagon Wheel
- Manhatton Chart.

PLAYER VARIETY
- Rated on 8 adjustable factors.
- Left and right handed players.
- Range of batting types.
- Editor to amend game stats.
- Bowler types include seam, swing, change and both types of spin with 8 speed levels.

FRIENDLY CONTROLS
- Icon driven with point & click.
- Large 3D scrolling screen covering the entire playing area.
- Mouse controls bowler's line, length, direction field settings.
- Joystick control of batsmon's attack level, strokes and running between wickets.

VARIABLE CONDITIONS
- Surface and pace of pitch
- Rain, bad light, cloud cover, temperature and humidity.

24 HOUR CREDIT CARD HOT-LINE

VISA (0702) 600557 MasterCard

48 HOUR DISPATCH
CHEQUE PAYMENTS

If you have a guarantee cheque card or credit card please write its number on the reverse of your cheque, doing so will ensure dispatch within 48 hours of receipt.

OUR ADDRESS

ESP Software DEPT. A F
320 Southchurch Road,
Southend-on-Sea,
Essex SS1 2ND. England.
TEL. (0702) 600557
FAX. (0702) 613747

MAIL ORDERS

All the programs detailed in this advert are only available by direct mail.

COMPUTER: ST 512K S/S	ST 512K D/S	ST 1MB	AMIGA 1MB	P.C.	DESCRIPTION	A F	PRICE	TOTAL
					Professional Football Masters V4		24.95	
					P.F.M. Editor V4		12.00	
					Stable Masters V2		24.95	
					Oracle Horse Tipster (RRP £99.95)		75.00	
					Cricket Masters		24.95	
					World Cup Cricket Masters		24.95	
					Wrestling Masters		19.95	
CREDIT CARD NUMBER & EXPIRY					E.& O. E.		GRAND TOTAL	

NAME _____ TELEPHONE _____

ADDRESS _____

_____ POSTCODE _____

This is Jack's local. There's karaoke on Tuesday and the Sunday evening quiz is very popular.



INNOCENT UNTIL CAUGHT

Is the bawdy world of Jack T Ladd a graphic thriller, or is it just a sad variation on the Carry On theme? We reveal all.

There was a time when all graphic adventures were measured against the incredibly high standards of the *Monkey Island* games. Now *Beneath A Steel Sky* has set new standards, so how does *Innocent Until Caught* compare? What can it offer that we haven't seen before?

Initial impressions are that it's as dull as a scene from *LA Law* and, as you find out more about your in-game persona, it emerges that the scenario has all the puerile humour of Benny Hill woven into a futuristic Film-Noiresque setting. The result? Virtual Pornography, CensoRound and more double entendres than on a camping trip with Julian Clary.

The protagonist, Jack T Ladd (ho!, ho!), is so utterly unlikable that after a few seconds you really can't be bothered to help him at all. Don't read his introduction to the game before slapping home Disk One because it will just make you sympathise with his enemies.

It's the pathetic jokes that hit you first with quips such as: "A glass of Gary's Gutrot coming up...in more ways than one!". Mmmm. Then there are those double entendres.

Brothel creep

Much of the action at the beginning takes place in a bordello where, no matter how you try to dictate the conversation, the Ladd chimes in with pleas for a free appointment. *Innocent Until Caught* is definitely one to keep away from the children if you want to avoid some very awkward questions over dinner.

OK, so Jack may not approach things in quite the same way as you or I, but then we're not on the run from the Interstellar Revenue Decimation Service who would as soon confiscate your manhood as see you in credit.

Innocent Until Caught gives you 28 days to help Jack get back into the black. It's a case, as usual, of collecting objects which help you progress through a

Jack makes small talk with a scarlet lady. She's the one on the left, wearing the scarlet dress.



Can these bikers impart some vital information to Jack to help him on his travels through *Innocent Until Caught*? Best walk up and ask them Jack.



JACK T LADD'S GUIDE TO LIFE, THE UNIVERSE AND EVERYTHING

Innocent's hero is a master thief, bar-room philosopher and all-round wit. Here's what he has to say on some of the major issues of the day:

DRINKING

"Never challenge a bartender on a Federation Starship to a game of 'I bet you don't know how to make a Legspreader Surprise.' He'll have you unconscious before you can say 'Iyz bett uyz dontt gnaw hoooow tooooo mak er..."

PETS

"The hamsters you sold him were, in fact, a box of wigs for people with small heads."

CUSTOMS

"Most people look (and feel) guilty when passing through customs, and end up getting their most intimate articles of clothing searched for an ounce of Gerbil Nuts."

LAW AND ORDER

"If a policeman isn't corrupt, he's stupid. If he isn't stupid, he isn't a policeman."

CULTURE

"If governments displayed great works of art in pig sheds no-one would ever bother to steal them."

INSANITY

"Madness isn't genetically transmitted. At least that's what my friend Dinky the green goblin says."

THE INTERSTELLAR REVENUE DECIMATION SERVICE (IRDS)

"They will tax anything that moves, and if it doesn't move they'll slap an Immobility Tax on it."

vast number of screens. The satisfaction of completing a task that suddenly reveals a whole new, sumptuously-decorated area is immense, but you have to ask yourself if you can bear the monotony of plodding your little character back and forth until he makes a connection that bears fruit.

Games like this certainly aren't action-packed, and what they lack in adrenalin they should make up for in intrigue. *Innocent Until Caught* isn't helped in this respect by a sluggish control system that discourages you from exploring. The cursor moves jerkily across the screen making it difficult to manipulate, although being able to scroll through each option, rather than click on a panel, makes things o lot easier.

"Keep it away from the children if you want to avoid some awkward questions."

Explosive climax

Don't forget there are those disk-swapping sessions from hell to be endured unless you have a hard drive. All right, so games of this type aren't renowned for speed of access, but this one is an awesome size. If you haven't got a hard drive then don't buy it. You'll end up destroying your equipment in fury, and probably develop arthritis in your wrist.

The overall atmosphere of *Innocent Until Caught* is uncomfortable. Neither Jack nor any of the people he encounters are really convincing and the game meanders from one situation to the next without an overall storyline.

Although you are assured of an explosive climax, the initial sub-plots of retrieving items for various denizens fail to hold your interest. And despite the size of the game there is surprisingly little flexibility in the route to success or failure. Talking to characters produces the same results no matter how sarcastically you approach people. When there aren't many ways to go in a game like this, the computer becomes nothing more than a glorified adventure book. Take away that sexy artwork and you would have no use for the medium.

Thankfully, *Innocent Until Caught* is well drawn. It's not in the same class as *Beneath A Steel Sky*, but it is suitably futuristic and slick. The sound stumbles along a little, but a sexy soundtrack is hardly essential to a graphic adventure. The game's real flaw is that it is so difficult. Rather than gently introducing you to the techniques of exploring you are thrown in at the deep end, and for all its atmosphere, *Innocent Until Caught* remains inaccessible.

The problem is compounded by a twisted design logic that allows you to stumble across someone else's passport in the first five minutes of the game, and to use it to prove your own identity later on (eh?).

You can call hulking sailors fat and they simply agree, and despite your reputation as a master thief you can't lift things from a certain pawnbroker's shop because doing so gives you a guilty conscience.

For a fan of the genre, *Innocent Until Caught* is an attractive sci-fi variation on the *Monkey Island* theme. There is plenty of exploring to be done, but enduring its feeble humour is like having your ribs broken rather than tickled.

It's a competent but narrow venture into the world of role-playing. The selling point is the massive number of locations and encounters across several planets. Not bad, but *Innocent* lacks the innovation needed to put it on the map.

Rob Mead



When Jack has a family get-together is it called a night out with the Ladds?



A sluggish control system makes moving around more difficult than it should be.



Ladies of easy virtue and houses of ill repute set the tone for Jack T Ladd's less than Innocent adventures. Now, where do I get my Luncheon Vouchers?

INNOCENT UNTIL CAUGHT



PROGRAMMERS
Divide By Zero

PUBLISHER
Psygnosis 051-709 5755

PRICE
£34.99

RELEASED
Out now





GRAPHICS
1 2 3 4 5 6 7 8 9 10
This is the game's strongest point. Some of the graphics are real gems.

SOUND
1 2 3 4 5 6 7 8 9 10
Adequate for the style. But it lacks those neat little touches which make all the difference.

ADDICTION
1 2 3 4 5 6 7 8 9 10
Fails to engage you quickly enough, although it gets more interesting with persistence.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
Despite the awkward controls Jack T Ladd's jaunt could be rewarding for the very curious.

VERDICT

"*Innocent* is a big disappointment. Its dodgy controls and puerile humour are infuriating. Even some seriously gorgeous graphics cannot raise the game above being second-rate"

67%

DON'T BUY AN UNTIL YOU'VE

FROM THE MAKERS OF AMIGA FORMAT

ARCHER MACLEAN PRESENTS POOL

THIS MONTH IN AMIGA POWER, WE BRING YOU...

QUESTIONS...

"After all, some of our favourite games are cute platform games, so why should we hate most of them so?"



– Stuart Campbell doesn't get off to the best of starts with the brand new cute platform game *Brian the Lion* from Psygnosis.

QUESTIONS...

"Look, we're meant to be caught up in some perilous quest to rescue a princess or something, and the game stops to tell us what sort of wood the legs of a table are made from. Why?"



– Jonathan Davies (almost) loses his cool as he examines Core's infuriatingly pedantic *Darkmere*.

DON'T BUY AN AMIGA GAME

AM P

A MAGAZINE WITH ATTITUDE

THE ALL-T

YOURS WITH ISSUE 37 OF AMIGA POWER

4 GAMES ON THIS DISK

THE BEST PD GAMES EVER!

disk 37

Here you'll find the following games from our top 100:

LLAMATRON With the ultimate beast of burden.

ASTEROIDS Fragmentary fun at the galaxy's edge.

PONG Two bats. And a ball. And it's great!

DEFENDER Oi, aliens, leave our kids alone!

AMIGA POWER

YOURS WITH ISSUE 37 OF AMIGA POWER

4 GAMES ON THIS DISK

disk 37

MORE OF THE BEST PD GAMES EVER!

The fun continues:

MONACO The utterly classic racing game.

SOKO BAN Epic crate-shunting action. Unmissable!

BANSHEE When you see how great our demo of *Banshee* is, the last thing you'll want to do is, er, wait. (A1200 only.)

ADVANCED LAWNMOWER SIMULATOR (Sorry.)

AMIGA POWER

AMIGA GAME READ THIS!



ON SALE NOW!



QUESTIONS...

"You know those supposedly sexy shots that the controller opts to change to, the ones where you're right down on the touchline with the footballer?"



– Steve McGill tempts fate in his review of Core's *Heimdall 2*.

QUESTIONS...

"If the enemy have got so many planes constantly in the air, why on earth don't they just bomb me into oblivion?"



– As does Cam Winstanley when he subjects 3D shoot-'em-up/adventure *Armour-Geddon 2* to his scrutity.

AMIGA POWER

It's always been the world's *best* Amiga games magazine. And now it's the world's *biggest-selling* Amiga games magazine. As well.

APOCALYPSE



The jungle scenes feature dense forest, glittering waterfalls and the chirrup of insects.



Round and round the rotor blades go, adjust your seat belt and check your rear-view mirror and before you know it...



...you're flying happily along in your smart little chopper with hardly a care in the world. Apart from that large gun.

Yes, it's time to flush your conscience down the pan of sin once again and slaughter a few more digital men.

Shoot 'em, strafe 'em, singe 'em with jets of flame, fire your rockets at them, drop mines in their path, or land on them with your big, heavy chopper – you know the score. Actually, helicopter shoot-em-up *Apocalypse* makes the genre more involving than usual, and to play it well, you have to have a plan.

At some point or another we've all been so hacked off by *Defender* that only one thing eased the frustration – killing the good guys for a change. This was all very well when the good guys were just blobs, but *Apocalypse* encourages a more humane approach because when one of your men takes a hit, he stays agonisingly wounded in the field, so you are a scum-sucking git if you don't rush paramedics to the scene.



Pick up your wounded comrades and rush them to the field hospital.

Each level of *Apocalypse* takes you to a different part of enemy territory where the good guys are being held captive. As you take out various buildings, either enemy troops or your own GIs flock from the ruins. If the former emerge then you blow them away. If it's the latter, you pick up survivors and take them back to your local headquarters or to the nearby field hospital.

Rumble in the jungle

Be warned that *Apocalypse* is not in the slightest bit easy – particularly after level two where there seems to be a constant hail of bullets heading your way. Counter this establishing air supremacy. After that, you can search thoroughly for escapees without losing your rotorblades.

The arsenal of weaponry includes rockets and heat-seeking missiles, and there are more tactical modes of offence available such as flamethrowers for totalling enemy dwellings and mines which can be dropped to protect your boys on the ground. Unless there is an incredible amount going on at once, things rarely slow down in *Apocalypse*. Your chopper swings about with the greatest of ease and you can control the precise direction of fire.

The jungle atmosphere is pretty authentic with dense forest, glittering waterfalls and the chirrup of insects through tropical mists. On a later level, enemy stockades are replaced by the turrets of a huge ship and its this variety in the environments, and neat touches such as tiny stretcher bearers clambering aboard, keep you hooked.

But above all, *Apocalypse* is very involving. It's an impressive blend of shoot-em-up action and mild strategy. Easy to get in to but a real challenge once you are there.

Rob Mead AF



This is you. Shame about the haircut.

APOCALYPSE



PROGRAMMERS
Miracle

PUBLISHER
Virgin 081-960 2255

PRICE
£25.99

RELEASED
Out now

NEEDS 1 MEG

GRAPHICS
1 2 3 4 5 6 7 8 9 10
In the main, the huge backdrops move fluidly. Cute animation touches abound.

SOUND
1 2 3 4 5 6 7 8 9 10
Satisfying chopper-like revs and good jungle flavour add to the game's atmosphere.

ADDICTION
1 2 3 4 5 6 7 8 9 10
It's hard, but frustration keeps you coming back. Those enemy buildings are begging to be hit.

PLAYABILITY
1 2 3 4 5 6 7 8 9 10
Very accessible. You can get into the action straight away. *Apocalypse* is a high flyer.

VERDICT

"The sort of game you'd happily tackle with a stack of 10 pence pieces. *Apocalypse* is a sexy, rip-roaring, shoot-em-up with a strong element of tactical awareness. Very good."

86%

WRECKED

A PSYCHEDELIC ADVENTURE



Having just dropped a tab, the screen displays funny floaty things. Coooo

As a regular abuser of nefarious substances I was looking forward to playing this game! Then I learnt it was released by an organisation called Health Wise and my excitement went out the window.

So I read the flimsy card wallet it came in and thought that this could be a good game. Kids take drugs, (I'm sorry folks, but it's a sad fact of a rapidly deteriorating society) and marrying an important issue with a medium all youngsters indulge in to teach them the evils is a good idea.

But it's crap. *Wrecked* is a platformer that not only falls down on appalling gameplay, but also on the superficial information it gives about each type of drug and their effects. You are Jo, a hopeless junkie, trying to get to the exit of each level. You have the choice of taking, stashing or getting info on the drugs hanging around. The only joy I had was when out of sheer frustration I took a cocktail of dope, acid and alcohol. The screen started to change... Whoooo! I'm feeling giddy. What's that pink elephant doing there?

Frank Bartucca

WRECKED

PROGRAMMERS
KKOS

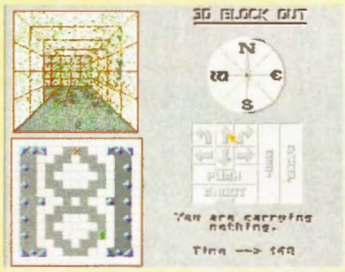
PUBLISHER
Health Wise
051-709 5505

PRICE
£29.99

RELEASED
Out now

25%

3D BLOCK OUT



A force appears in front of me, or has someone just sneezed in my face?

As twilight nears and the owls begin to howl, I sit alone in a dark room lit only by a flickering screen... But enough of my uneventful social life, I decide to play a game – *3D Block Out*. Here we go.

You are Aramir a good wizard banished to a world of no return... battling against a warlock called Lothas. Sounds promising. The credits roll, the menu fades out and I'm in. In where? I don't know, and after about five minutes I don't really care. It's a maze of some sort. I can see an exit but there are blocks obstructing the path. What are these funny things with electricity coming out of them? Oh, they're generators. A couple of blasts of magic hand power later and I'm through and I disappear.

Then I turn off the machine and decide to go for a walk instead, it's a lot better for you and not as dull, not in beautiful Bath, anyway.

Add *3D Block Outs'* clunky sound and slow, tedious gameplay and you've got a game that will either send you to sleep or at least encourage you to get off your bum and do something else.

Frank Bartucca

3D BLOCK OUT

PROGRAMMERS
Ben Abbott, Lawrence Owen

PUBLISHER
Flexiware 0865 873625

PRICE
£6.99

RELEASED
Out now



40%

european computer user

PHONE 0480 498889
Fax: 0480 496379
Open 5 days a week 9am - 7pm



MANCHESTER UNITED PREMIER LEAGUE CHAMPIONS
GAME OF THE MONTH
£17.99

CD32 TITLES

ALIEN BREED/QWAK	16.99
ARABIAN KNIGHTS	10.99
BRUTAL SPORTS FOOTBALL	19.99
•CANNON FODDER	CALL
CAPTIVE 2 - LIBERATION	19.99
CHAOS ENGINE	19.99
ELITE 2 - FRONTIER	19.99
FIRE FORCE	20.99
+FLY HARDER	9.99
GLOBAL EFFECT	19.99
+INT. KARATE PLUS	9.99
LABYRINTH	9.99
LOTUS TRILOGY	19.99
MICROCOSM	31.99
NICK FALDO'S GOLF	22.99
PINBALL FANTASIES	19.99
PIRATES GOLD	19.99
PROJECT X/F17 CHALLENGE	16.99
PSYCHO KILLER	20.99
RYDER CUP	19.99
SEEK'N'DESTROY	17.99
SENSIBLE SOCCER	17.99
+SUPER PUTTY	9.99
TOTAL CARNAGE	21.99
TRIVIAL PURSUIT	20.99
ULTIMATE BODY BLOWS	20.99
WHALES VOYAGE	19.99
ZOOL	17.99

MEMBER OF DIRECT MARKETING ASSOCIATION

AMIGA TITLES

•CLAWS	14.99
COLONELS BEQUEST	9.99
CRASH DUMMIES	15.99
•CYBERPUNK	CALL
•CYBERSPACE	22.99
DARKMERE	19.99
DARKSEED	19.99
•DIGGERS	17.99
DUNE	9.99
DUNE 2	18.99
DUNGEON MASTER/CHAOS	17.99
•ELFMANIA	16.99
•EMPIRE SOCCER	CALL
EUROPEAN CHAMPIONS	16.99
EYE OF THE BEHOLDER	11.99
FLASHBACK	20.99
FRONTIER - ELITE 2	18.99
FURY OF THE FURRIES	19.99
INDY JONES FATE OF ATLANTIS	24.99
INNOCENT UNTIL CAUGHT	23.99
JET STRIKE	15.99
JIMMY WHITES SNOOKER	9.99
JOHN MADDEN (AMERICAN) FOOTBALL	10.99
•K240	19.99
KINGMAKER	24.99
•KINGS QUEST 6	28.99
LAMBORGHINI	16.99
LEGACY OF SORASIL	17.99
LEMMINGS 2 - THE TRIBES	15.99
LIBERATION - CAPTIVE 2	19.99
LOST VIKINGS	20.99
LURE OF THE TEMPTRESS	9.99
MICRO MACHINES	16.99
•MIG 29 - SUPER FULCRUM	9.99
MONKEY ISLAND 1	12.99
MONOPOLY	19.99
MR.NUTZ	17.99
NAUGHTY ONES	16.99
NODDY'S BIG ADVENTURE	16.99
PERHILLION	17.99
•PINKIE	16.99
POLICE QUEST 2	9.99
POPULOUS 2	19.99
QUEST FOR GLORY 2	13.99
REACH FOR THE SKIES	19.99
•RISE OF THE ROBOTS	CALL
•ROBINSONS REQUIEM	19.99
ROBOCOD - JAMES POND 2	8.99
•SLEEPWALKER	9.99
SIM CITY CLASSIC	9.99
SIM CITY DE-LUXE	17.99
SIMON THE SORCERER	26.99
SKIDMARKS	17.99
SOCCER KID	16.99
SPACE HULK	19.99
SPACE LEGENDS	19.99
STARDUST	10.99
STREETFIGHTER 2	10.99
SYNDICATE	21.99
TEAM 17 COLLECTION (SUPERFROG, OVERKILL/BODY BLOWS)	19.99
THE BLUE & THE GREY	22.99
•THEME PARK	CALL
THE SETTLERS	24.99
TORNADO	20.99
TOTAL CARNAGE	16.99
•TRACKSUIT MANAGER 94	17.99
•TWILIGHT 2000	22.99
UFO - ENEMY UNKNOWN	22.99
•ULTIMATE PINBALL	20.99
UMS COMPILATION	30.99
•UNIVERSE	CALL
URIDIUM 2	16.99
WEIRD DREAMS	7.99
WING COMMANDER	9.99
•WORLD CUP USA 94	CALL

LIMITED VERY SPECIAL OFFERS

+CHAMPIONSHIP MANAGER 92/93	11.99
+CHAOS ENGINE	11.99
+COOLWORLD	9.99
+DISPOSABLE HERO	12.99
+DREAM TEAM	13.99
+F117A NIGHTHAWK	18.99
+F1 (DOMARK)	11.99
+GOAL	14.99
+HIRED GUNS	16.99
+HISTORYLINE	18.99
+LEGEND OF VALOUR	11.99
+LIONHEART	14.99
+LOTUS TRILOGY	11.99
+METAL MUTANT	4.99
+NICKY 2	12.99
+PREMIER MANAGER	9.99
+PREMIER MANAGER 2	11.99
+PRIME MOVER	12.99
+PUSHOVER	8.99
+RAILROAD TYCOON	9.99
+SECOND SAMURAI	16.99
+SENSIBLE SOCCER	13.99
+SHADOWORLDS	10.99
+SIM LIFE	11.99
+THEATRE OF DEATH	13.99
+XMAS LEMMINGS	10.99
+ZOOL	10.99
+ZOOL 2	15.99

JOYSTICKS

MAVERICK	7.99
THE BUG	10.99
SPEEDKING AUTOFIRE	8.99

5 INTELLIGENT STRATEGY GAMES	8.99
ADI GCSE SOFTWARE	22.99
ALIEN BREED 2	17.99
ARCADE POOL	7.99
AMBERSTAR	17.99
APOCALYPSE	15.99
A-TRAIN	12.99
•BATTLE ISLE 2	CALL
BENEATH THE STEEL SKY	20.99
BLACK CRYPT	9.99
BRIAN THE LION	17.99
BRUTAL SPORTS FOOTBALL	15.99
CADAVER/PAY OFF	9.99
CAMPAIGN 2:GLOBAL CONFLICT	22.99
CANNON FODDER	18.99
CHAMPIONSHIP MANAGER ITALIA	16.99
CHESSMASTER 2175	8.99
CIVILIZATION	22.99

All items are subject to availability. Prices can be subject to change. E & O E.

Post and packing: UK = 75p per item 2nd Class; £1.50 per item 1st Class; £2.00 per item 1st Class Recorded. E.E.C. = £3.00 per item; Non-E.E.C. = £6.00 per item; Swift Air E.E.C. = £5.75 per item; Swift Air Non E.E.C. = £9.00 per item Next Day Courier = £5.00 per consignment (Up to 5kg. Deliveries Mon-Fri Only) Titles marked with a • may not be released at time of going to press. Please telephone for availability and a full copy of our terms and conditions. Titles marked with a + are available at the price shown while stocks last.

VISA MasterCard

OPEN ALL DAY SATURDAY

NAME
ADDRESS
POSTCODE PHONE
ITEM PRICE
ITEM PRICE
ITEM PRICE
POSTAGE
TOTAL
(Please indicate whether you require Disk or CD-ROM)
Visa / Mastercard / Switch Number:
Switch Issue No: Card Expiry Date:
SIGNATURE:

Make cheques payable to: **European Computer User** & send to: **Units A2/A3 Edison Road St. Ives, Huntingdon**

AMIGA FORMAT MAY 94

BUDGET for the BEST on your PC & AMIGA!

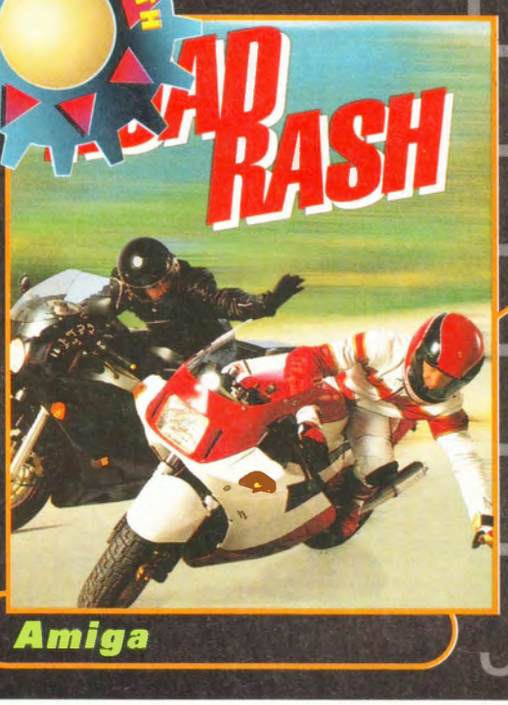


Atari ST·Amiga·PC



"...the most complete athletics simulation of all time. Excellent."
AMIGA ACTION 90%

GAME OF THE MONTH



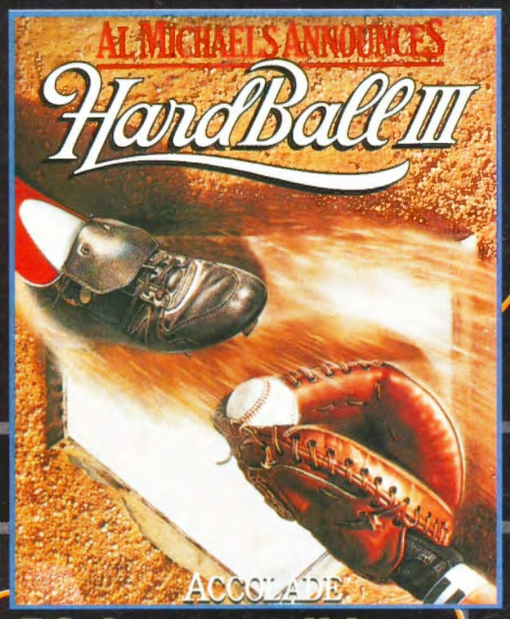
Amiga



"You'
back
time
is a m
GAM
91%

Jar

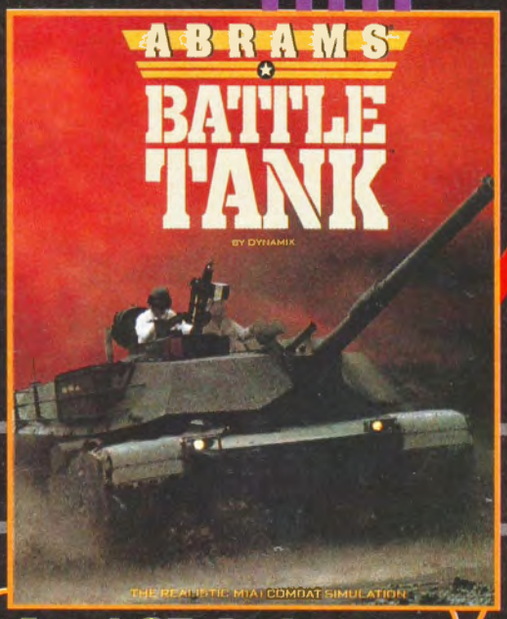
Electronic Megastore - Wellingborough, Antics - Swindon, A - Z Leisure - Northampton, Northampto
Darlington, Marcliff Comp - Sunderland, Topsoft - Darlington, Topsoft - Stockton, AJM - Monton, Mighty
Sea, Computer Games - Brierly Hill, Telegames - Dumfries, Mr Disk - Queensway, Bus Info Systems -
Barkman Computers - Kingston, Computer Software Co - Manchester, Bytes & PC - East Sussex,
Invicta Software - Tunbridge Wells, Battlepower - Camberley, MaidtapeComputers - Bracknell, Vudata
Silica Systems - Ipswich, Microtronics - Tamworth, Computacenta - Derby, Model Shop - Stro
F1 Return - Lowestoft, Hobbyte - Luton, Tavistock Video - Bedford, 1st Compute - St Neots, Auditions -
Bits 'N' Bytes - Dundee, Holburn Software - Aberdeen, Ultima - Guildford, Antics - Guildford, Software
Superstores - St Helens, Software Superstores - Bolton, Software Superstores - Hanley, Antics - Wo
Fosters - Lichfield, Knight Games - Bridgenorth, Gainsborough Software - Gainsborough, Software Box
Datagem (High Holborn) - London, Datagem (Pitfield St) - London, Games Buster - Aldridge,
City Computers - Lancaster, Pulse Computing - Christchurch, House of Fun - Torquay, Antics - Plymou
Game Zone - Blandford, Tomorrows World - Hull, Computer & Game Centre - Scarbo





"A well-executed, state-of-the-art sports simulation. Offers all the whiz bang technologies that make gaming such a joy."
STRATEGY PLUS

PC & compatibles



Atari ST·Amiga





"...ll be coming ...time and ...again... this ...ust buy."
...ESMASTER

GAME OF THE MONTH



Amiga·PC



"...plays well... go buy it!"
PC REVIEW



n Computer & Games - Northampton, Mays - Leicester, Softly - Becklow Gate, Performance Comp - y Micros - Fallowfield, Computerware - Eastbourne, K-Computers - Stirling, Computerware - Bexhill on Haverford West, Comtazia - Merry Hill, Virgin - Birmingham, Computa Store - Belfast, Gizmo - Halifax, C & N Cycles - East Grinstead, Weldon Enterprises - Ashford, Westman Computers - Gravesend, - Ashton U Lyne, Omega Projects - Leigh, Sapphire Software - Hastings, Ultima Retail - Southampton, ud, Software Emporium - Norwich, Computer Plus - Kings Lynn, Just The Games - Dunstable, - Kettering, Kerrison Toys - Norwich, Computer Plus - Isle of Wight, Softville - Havant, Chips - Newport, Superstores - Stockport, Software Superstores - Warrington, Software Superstores - Wigan, Software orcester, Computer Crazy - Bilbrook, 'M' Micro Computers - Hull, Horsforth Comp Centre - Horsforth, - Poole, Gamer - Brighton, Worthing C.C., Micro Centre - Doncaster, Computers Galore - Dewsbury, RJ Computers - Bristol, Antics - Bristol, Coventry C.C. - Coventry, Capri Marketing - Marlow, th, Gameland - Basingstoke, Disk Box - Chatham, Micro Centre - Portsmouth, Powerhouse - Plymouth, rough, Soft Centre - Cwmbran, SGM Electronics - Wigan, Seventh Heaven - Wisbech.





AMIGA CD32

A GREAT NEW MAGAZINE FROM THE MAKERS OF AMIGA FORMAT

You've bought a CD32?
Then you know it's a great machine already. What you perhaps don't realise, is the amount of games **software** on its way for this extraordinary machine.

Or what it is these **games** can really do.

Some time early in April there will be a **magazine** on sale, which will enable you not only to read about these games, but also to play them. We're packing at least **20 demos** and a fistful of games on to a disc that's equivalent to **700 floppy disks!**

Talking big numbers, that's **650 megabytes** of sheer interactive entertainment and around 100 great pages of CD32 news, features, previews and reviews!

It's from the makers of **Amiga Format**, so you know you're in good hands.

Can YOU win the World Cup?

THE DESIGNERS OF THE WORLD'S LARGEST & MOST SUCCESSFUL SOCCER PLAY-BY-MAIL GAME PRESENT THE COMPUTER VERSION OF



SOCCER STAR WORLD CUP Edition



THE ULTIMATE WORLD CUP SIMULATION

PLAY THE WORLD CUP COMPETITION

Fully correct player details from every competing country. Play in a world league or create your own player / sides to play in which ever tornament you like. With full editing facility!

FULL MATCH ARCADE SECTION

boasting player after-touch, superb responsive player control, huge positional / tactical possibilities available right down to your subs! EVERY player from EVERY team is different with all skill ratings shown!

EVERY SIDE CAN BE HUMAN OR COMPUTER CONTROLLED!

Full match statistics giving massive detail from play percentage down to how many good or bad passes a particular player has made.

EXPERIENCE ALL THE THRILLS OF WORLD COMPETITION!

EXTRA-TIME, PENALTY SHOOT-OUTS ALL CATERED FOR.

ALL RESULTS SHOWN IN DETAIL.

in the most versatile and comprehensive game of its kind!!! (with vast range of shots / crosses / set pieces / player control)



SPECIAL OFFER

DISCOUNT PRICE OF £24.95

APPLICABLE ONLY WHEN REPLYING VIA THIS ADVERT!

FREE

MEMBERSHIP TO SOCCERSTAR PBM (Worth £5)

SOCCER STAR WORLD CUP Edition

AVAILABLE FOR:

AMIGA 500, 500+, 600, 1200

PLEASE STATE MODEL WHEN ORDERING!

MAIL ORDER FORM

Name .....

Address .....

.....

Postcode ..... Computer Model .....

Daytime Phone No. .....

I enclose cheque/P.O to the value of £24.95 MADE PAYABLE TO **SOCCERSTAR** (Name & address on back of cheque please).

I wish to pay by Access/Visa. My number is

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Signature ..... Exp date .....

Send to: SOCCERSTAR, 9 Trent Drive, Hucknall, Nottingham NG15 6GR

MAIL ORDER FORM

24 HOUR CREDIT CARD HOTLINE: (0602) 642188



Steve Bradley revels in the latest batch of CD32 releases, shooting it out with *The Chaos Engine*, going all cute and cuddly over *Qwak*, roaring around the office with *Lotus Trilogy* and getting offensive with *Sports Football*. Strange chap.

GOT AN AMIGA CD32? THEN YOU

AMIGA CD32

NEED TO GET THIS...

The makers of *Amiga Format* have created the finest magazine and disc package for CD32 users.
ON SALE VERY SOON!

THE CHAOS ENGINE

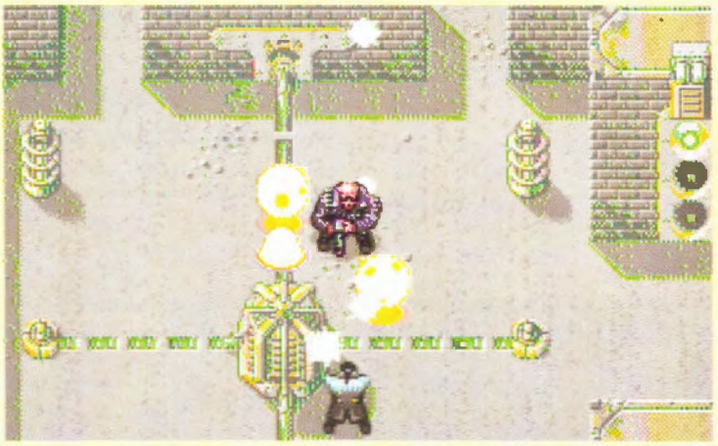
Renegade ■ 071-481 9214 ■ £24.99 ■ Out now

Baron Fortesque was one heck of a clever chap. Last century, he built a machine which turned ordinary blokes, who probably went to work on the Clapham Omnibus into armour-plated killing machines. No doubt he would be flooded with freelance work these days. There are six of these fine fellows out there prepared to do or die in the World of Chaos and os luck would have it, you can be one of them. And your friend too. Or your Mum.

As almost-isometric-3D-shoot-em-ups-with-puzzle-solving elements go, *The Chaos Engine* is in the A stream. The six characters all have their peculiar strengths and weaknesses – the Preacher is quick and smart but low on stamina, whereas the Thug (hurrah) is slow and stupid but ploughs on regardless. The puzzles ensure that despite the outward appearance of an out-and-out shoot-em-up, there is always an element of strategy involved. Written by the Bitmap Brothers, *The Chaos Engine* is an incredibly polished and extremely absorbing game. It's easy to get into, but difficult to put down, it's simple to control, but not so easy to do well with.



It all seems so simple: march around shooting the things that get in your way and solving the occasional puzzle. But *The Chaos Engine* is a compelling game.



The various characters have different attributes. Some move faster or fire harder than others, but there's no easy option, you just have to keep playing to get good at it.

There are four graphic worlds to tackle (making a total of 16 levels in all) and they all look superb. The sound effects and sampling are excellent as well. But playability is the key to a great game and this is something that *The Chaos Engine* has by the truckload.

Before you start playing, be warned: this game could easily lose you a day.

92%

AMIGA CD32 SPORTS FOOTBALL

Commodore 0628 770088
■ £29.99 ■ Out now

Not real football but American Football. And the first on CD32. A slightly upgraded CDTV title, *Sports Football* has three play options: Arcade (you play the CD32 or a pal), Coach (you set the moves and the Amiga does the rest) and Commissioner (sit back with beer and watch).

There are loads of preset moves and television commentators wax lyrical about the action – adds atmosphere apparently. It looks pretty good, plays OK and despite being a bit tough, it's actually rather good, if frustrating fun. Not quite *John Madden* but heck, if you've got a CD32 and you like American Football this is the only option.

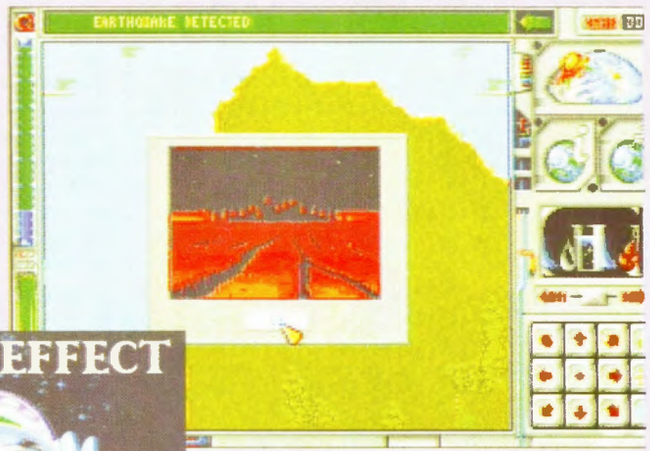
75%

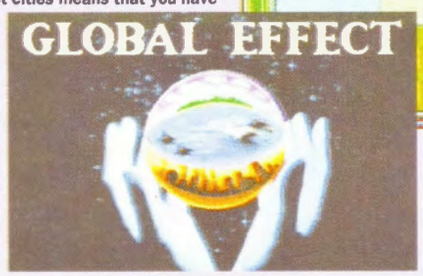
GLOBAL EFFECT

Millenium 0223 844894 ■ £29.99
■ Out now

Are you worried about the weather, about polar ice caps melting and the imminent possibility of the disappearance of Grimsby? Or does the price of strong lager play on your mind? *Global Effect* offers you the chance to save a damaged world or build yourself a new one. And if waging war is your cup of tea, then you can do that too. Power and responsibility are the qualities needed to be a good God.

But building vast cities means that you have to then power them, provide sewers, reservoirs and all the other bits and pieces that the population need. And if the balance is wrong, the place falls around your ears. Getting such a balance is difficult, particularly for the beginner and this makes *Global Effect* a rather frustrating exercise to begin with. But the attention to detail is excellent, the control system is certainly manageable and for those with a warm feeling for the globe (and the patience of Job), *Global Effect* could well prove a rewarding experience.





ABOVE: What's that creeping up the seismograph? Natural disasters abound in *Global Effect*.

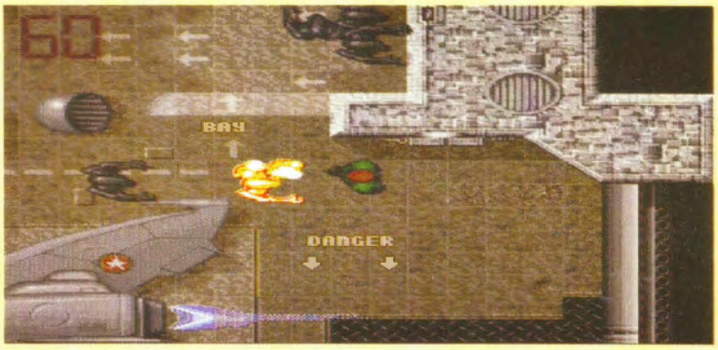
LEFT: The planet is under your custodianship, so make sure you build plenty of toilets.

74%

ALIEN BREED SPECIAL EDITION/QWAK

Team 17 0924 291867 ■ £24.99 ■ Out now

ALIEN BREED SPECIAL EDITION



Hurtle about shooting things in a desperate bid to save the human race before teatime in Team 17's space shoot-em-up, *Alien Breed Special Edition*.

If aliens didn't breed they'd be pretty thin on the ground. Unfortunately, these ones have taken it upon themselves to inhabit a spacecraft. Armed with a machine gun your task is to stop the aliens breeding ("But we were only necking"). And if you like, you can take a friend along with you to help out.

As top-down shoot-em-ups go, they rarely come better than this and as you rush along corridors exterminating the courting fiends, picking up credits and keys, you can only be thankful that this mission has befallen you. Best in two- player mode.

QWAK



Doctors have never figured highly in platform games. And *Qwak* is no different, instead plumping for a duck. Nice duck though.

A total of 80 levels, end of level guardians, eggstra screens (oeuf!) and a host of baddies play a large part in *Qwak*. It's ridiculously cute, colourful and playable but don't let that put you off. You despatch the baddies with eggs and although it isn't the most innovative of fare, it's darned fun. And it looks a bit like *Bubble Bobble*, which certainly isn't a bad thing.

Best of all, there is a simultaneous two-player mode so after calling a halt to the alien business you can pretend to be a duck and collect daisies with a pal. Hurrah! An odd couple, but excellent value for just a pony.

86%

***Qwak* is eggsellent if you like duck-inspired platform games.**

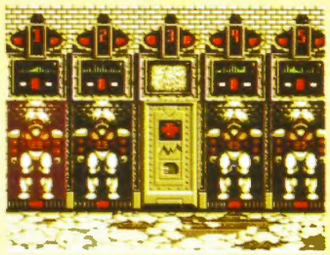
BRUTAL FOOTBALL

Millenium 0223 844894 ■ £29.99 ■ Out now

A sideways-scrolling orgy of tongue-in-cheek, bone-crunching, limb-tearing violence, *Brutal Football* is one heck of a rumble.

The idea is to score more goals than your opponent. And if you inflict some damage upon them along the way then hey, so much the better. Pick-ups abound – the hare is useful, it gives you a Linford Christieian (can you say that?) turn of pace.

The scrolling is a tad jerky, and it can be difficult to follow the ball at times but it's great fun, particularly when you get to stab your opponent with a large sword.



They look mean, and they are. There's little evidence of fair play in *Brutal Football*.

And turning your opponents into ice cubes is jolly good fun. Unfortunately, the in-game music is rather too intrusive and although you can turn it off, it keeps on coming back every few seconds. Go away.

81%



***Brutal Football* may lack the ball control of *Sensible Soccer*, but you can dismember your opponents in several interesting ways.**



DISPOSABLE HERO

Gremlin 0742 753423 ■ £29.99 ■

It's not exactly a title to inspire confidence – do you really want to be a hero if you're disposable? Hey, I'm perfectly happy to be a living coward if it's all the same with you.

Anyway, where were we? Oh computer games, that's it. *Disposable Hero* is a traditional style space shoot-em-up except it's a bit posher than the rest. You can even dock off at factories to get extra bits for your ship to help you defeat the fiendishly fearsome end of level baddies.

It looks fantastic, much prettier than *Defender* but by heck it's difficult. And with all the spectacular scenery you occasionally lose your way, crashing into

FURY OF THE FURRIES

Mindscape 0444 246333 ■ £29.99 ■ Out now

Angry, small, hairy balls with eyes are perhaps not the most obvious of protagonists in a computer game. But this platform puzzler defiantly incorporates these little fellers. Their objective is to complete loads of levels loosely related to a ridiculous plot which has got something to do with rebel Tinies, and a planet of terror. For those who like this sort of challenge, this is ideal, for there are piles of levels (and secret ones, too).



Guide your little chaps over a veritable multitude of levels in *Fury Of The Furries*.

LOTUS TRILOGY

Gremlin 0742 753423 ■ £29.99 ■ Out now

It should have been called *Fiesta Trilogy*, but no, they have to use these fancy Dan Lotuses. Anyway, a collection of the three games it is and jolly good fun they are, particularly in two-player mode.

Racing against *Amiga Format* designer Bart Bartucca, I enjoyed some hair-raising moments, arrived a good four seconds in front in the final race and was robbed of certain victory by some biased bloke in the computer. But I'm not bitter. Much. There are absolutely loads of tracks to choose from, some rank bad weather to contend with and obstacles aplenty ensure a rough ride. Many feel that *Lotus II* is the best of the lot, but me, I like the third one. A most excellent collection.



If you get this far you'll probably be at least 70. We cheated.



Race against the clock to make it to the check point on time. If you dally on the way or stop for a picnic, you're out.



Choosing a car is difficult. Always ask if road tax is included and check how long the MOT runs for.



Gorgeous graphics and demanding gameplay make *D-Hero* pretty tough.

stuff you thought you could fly over. Double drat. But fans of the genre should be able to get their teeth into it. I still prefer *Project-X*.

90%

70%



PROJECT-X/ F17 CHALLENGE

Team 17 0924 291867 ■ £24.99 ■ Out now



Project-X: an alien-blastin', sharp-shootin' romp.

PROJECT-X

"Die, die evil aliens," we cry somewhat over-exuberantly upon loading up *Project-X*. The object of the Project object is stark and simple: just shoot everything that moves and some things that don't and collect as many power-ups as possible.

No, you don't have to ponder any strategic elements, ar worry about the destruction of the galaxy, just kill the foreigners. The action flows fast and furious and the more accurate you are, the better your weapons become. Entertaining and incredibly playable.

Visit strange new worlds, discover new people and fire laser death bolts at them in *Project-X*.



Once you have sorted out which attributes are best suited for different situations, *Fury Of The Furries* becomes an absorbing and challenging platform puzzler.

There is a puzzle element that *makes Fury Of The Furries* seem vaguely reminiscent of *Lemmings*. You are allotted a Furry which can transform itself into four different varieties, each of which has different abilities and talents. The best one is the rope-throwing greenish one, but the yellow one can throw fireballs, the blue one swims underwater and the red one eats its way through rocks.

The graphics are cute, the sound is hair-tearingly annoying but the control system will make you swear at your Granny. However, the content is quite addictive. *Fury Of The Furries* is involving, and the puzzles taxing. Recommended fare for patient, platform puzzler fans.

80%

F17 CHALLENGE

Driving motor vehicles 'a toute vitesse' is champion fun and coincidentally *F17 Challenge* addresses the very same subject.

Sixteen tracks to trundle around and a fast car prove ideal ingredients and you can choose to race a circuit or take the more gruelling route – the championship season. *F17* looks fine, and with three difficulty levels, you can up the ante when needs be. But it's a one-player game which makes it difficult to race a friend. Lonesome racing drivers will enjoy it.



Drive yourself to distraction with *F17 Challenge*.

84%

ACES HIGH!



It's your chance to rewrite World War II history with quite possibly the most stunning flight sim ever – Origin's *Pacific Strike*. You'll read the first review in the May issue of *PC Gamer* – just the first in a bumper Spring bundle of reviews. Look out for the definitive verdicts on *Ultima VIII, Fleet Defender, Seawolf, MegaRace, Elder Scrolls: Arena* and – yes! – more.

There's plenty to play as well as read, thanks to another staggeringly generous helping of two disks, packed with playable demos and complete games. Check out top sporting sims *Club Football: The Manager* and *Good To Firm*, and two of the best arcade games you'll ever play. We've also got no-nonsense guides to multi-player games and a surprise preview of what just might turn out to be the best football title ever... We could go on, but then there's only so much we can fit on a page – fortunately, there's 115 more in our May issue, so why don't we see you there? How does Thursday 28 April sound? Right, it's a date.

PC GAMER

Smarter than the average PC games magazine

AMIGA REPAIRS

FIXED CHARGE ONLY £42.99 Incl.

- FIXED CHARGE INCLUDES PARTS, LABOUR, DELIVERY, VAT
- 90 DAY WARRANTY ON ALL REPAIRS
- 24 HOUR TURN-AROUND ON 95% OF REPAIRS
- ALL UPGRADES PURCHASED FROM US FITTED FREE WITH REPAIR
- INCLUDES REPAIRS TO DRIVE & KEYBOARDS, ADD £10.00 IF NEED REPLACING, FULL DIAGNOSTIC TEST AND SERVICE

Est. 12 Years

In Stock **SPECIAL OFFERS** New Low Price

A500 INTERNAL DRIVE *Simple to fit, fully documented*	£38.99	A500 MODULATOR *Exchange/Repair*	£18.00
A600/A1200 INTERNAL DRIVE *Simple to fit fully documented*	£41.90	A500 KEYBOARDS *Factory new, Genuine part*	£44.10
KICKSTART 1.3 ROM *For software compatibility*	£25.00	FATTER AGNUS 8372A *1 Meg chipram compatible*	£36.50
KICKSTART 2.05 ROM *Upgrade to A500+ ROM*	£29.90	CIA IC *Printer, Serial, Drive ports*	£9.20
SUPER DENISE *Excellent value*	£28.70	GARY IC	£11.50
		PAULA IC	£19.95
68000 CPU	£15.00	ROM SWITCHER	£18.00

⚠ ATTENTION ALL DEALERS ⚠

Our company now offer the most competitive dealer repair service.
Full credit facilities available.
Send for our FREE information pack today...

AF05

We reserve the right to refuse repair for whatever reasons
Prices only valid with this coupon

Service HOTLINE (0533) 470059

DART Computer Services
105 London Road
LEICESTER LE2 0PF

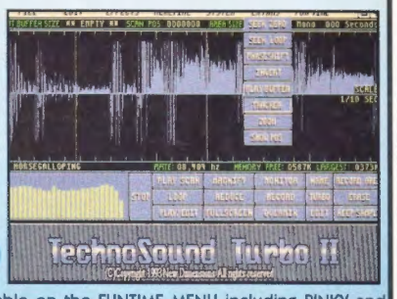
Access VISA

DART Computer Services

Techno Sound Turbo 2

ADVANCED SOUND SAMPLING SYSTEM

- ★ DIRECT TO HARD DISK RECORDING
- ★ BUILT IN TRACKER
- ★ 18 FUNTIME EFFECTS
- ★ PULL DOWN MENUS
- ★ CONTROLLABLE EFFECTS
- ★ SEQUENCER
- ★ STEREO DIGITISER



£39.99 RRP

18 REALTIME NOVELTY EFFECTS are available on the FUNTIME MENU including PINKY and PUNKY, SEX CHANGE, DEEP SEA DIVER, ALIEN, TOP GUN, CHOPPER, DARK VADER, BRUNO, AWFUL the DUCK, NIGHTMARE on OAK STREET Etc. All great fun to use with a microphone.

"The quality is outstandingly good"
FUTURE MUSIC 86%

"For this price you can't really do much better"
AMIGA FORMAT 88%

"Now is the time to buy"
AUI 89%

TT2 is the complete Sampling System for beginners and professionals alike - wth **NO HIDDEN EXTRAS**
AUDIO LEADS are included with TT2 (unlike most other samplers) to give you an instant start up capability..
AFTER SALES SERVICE is also included FREE of charge - with no restrictions on phone calls.
TT2 upgrade kit for existing technosound users.

£16

Orders/Enquiries to:-
New Dimensions, Brooklands House, Bryngwyn, Raglan, Gwent NP5 2AA Cheques/PO's payable to New Dimensions

Access **POSTAGE FREE** VISA
Tel: 0291 690933

"UNDER NEW MANAGEMENT" VISA IS NOT CHARGED UNTIL DAY OF DESPATCH

DIRECT SOFTWARE

REGULAR FREE GIVEAWAYS WHEN YOU BUY FROM DIRECT

DEPT AMF05SC Unit 3, Cross Keys Shopping Mall, St Neots, Cambridgeshire PE19 2AU

TELEPHONE ORDER LINE: 0908 379550 FAX: 277142

AMIGA TITLES

A Train Construction Set	9.99	Dinosaur Detective Agency	10.99
A320 Airbus U.S.	21.99	Dinoworlds	19.99
A320 Approach Trainer	19.99	Disposable Hero	16.99
Airbucks 1-2	19.99	Donk	16.99
Airbucks 1-2 (1200)	22.99	Doodlebug	10.99
Alien 3	16.99	Dracula	19.99
Alien Breed Special Edition	10.99	Dreamlands	19.99
Alfred Chicken (1200)	16.99	Dreamweb	22.99
Ambermoon	19.99	Dune 2	17.99
Apocalypse	16.99	Elfmania	16.99
Arcade Pool	6.99	Euorpean Champions (A1200)	16.99
Armour Geddon 2	15.99	Excellent Games (Compilation)	22.99
Arsenal	16.99	Eye of the Beholder 2 (1 Meg)	21.99
Atac	22.99	F1	16.99
Bards Tale Trilogy	22.99	F117A Knight Hawk	22.99
Battles of Isle	22.99	F16 Strike Eagle 2 (1 meg)	13.99
Battle Isle 93	16.99	Fantastic Dizzy	16.99
Battlechess	10.99	Fantasy Empires	22.99
Battletoads	16.99	Fatal Strokes	19.99
Benefactor	19.99	Fatman	17.99
Blade of Destiny	25.99	Fire and Ice	16.99
Blues Brothers	8.99	Forms Grand Prix	16.99
Bobs Bad Day	16.99	Formula 1 Grand Prix	22.99
Brian the Lion	16.99	Formula One Champions	19.99
Bubba 'N' Stix	16.99	Formula One Manager	19.99
Burning Rubber	16.99	Front Page Football	25.99
Burning Rubber (1200)	16.99	G2	16.99
Caesar Deluxe	19.99	Games Machine	19.99
Campaign 2	22.99	Genesia	19.99
Captive 2	19.99	Global Combination	22.99
Cartoon Racer	16.99	Global Gladiators	16.99
Castle 2 (1200)	22.99	Globdual	19.99
Celtic Legends	19.99	Goblins 3	22.99
Chuck Rock 2	16.99	Goal	13.99
Civilisation (1200)	25.99	Gulp	19.99
Civilisation (1 Meg)	22.99	Gunship (XL)	8.99
Combat Air Patrol	19.99	Hanna Barbera Animation	29.99
Cool Spot	19.99	Hannibal	19.99
Cosmic Spacehead	16.99	Heroes Quest 2 Legacy	16.99
Creepers	19.99	Indianapolis 500	8.99
Cyber Punks	16.99	Innocent	22.99
Cyberspace	22.99	International Soccer	16.99
Dalek Attack 30th Anniversary	15.99	Ishar 2	19.99
Darkmere	19.99	Jack the Ripper	27.99
Deluxe Music Construction Set	57.99	Jaguar XJ220 (1 Meg)	9.99
Dennis	16.99	James Pond 3	19.99
Dennis (1200)	17.99	James Pond 3 (1200)	19.99
Dennis and Gnasher	16.99	Jetstrike	16.99
Desert Strike	19.99	K240	17.99
Diggers	19.99	Kawasaki Team Green	16.99
Diggers (A1200)	22.99	Kick Off 2 (1 Meg)	8.99

TOP 50 CHART

A-Train	12.99	Jurassic Park	16.99
Alien 3	16.99	Jurassic Park (1200)	18.99
Alien Breed 2	16.99	Micro Machines	16.99
Alien Breed 2 (1200)	19.99	Monkey Island 2	24.99
Award Winners 2	19.99	Mortal Kombat	19.99
Body Blows	17.99	Pinball Fantasies (1200)	19.99
Body Blows Galactic	17.99	Premier Manager 2	9.99
Body Blows Galactic (1200)	19.99	Ryder Cup	16.99
Brutal Sports Football	16.99	Second Samurai	19.99
Cannon Fodder	19.99	Sensible Soccer 92/93	16.99
Championship Manager 93	16.99	Sim City Deluxe	22.99
Championship Manager Italia	16.99	Simpsons & World	16.99
Chaos Engine	18.99	Skid Marks	16.99
Chaos Engine (1200)	16.99	Soccer Kid (A1200)	19.99
Combat Classics 2	19.99	Streetfighter 2	9.99
Dune 2	19.99	Syndicate	22.99
European Champions	16.99	Ten Intel Games	19.99
Flashback	19.99	Terminator 2 Arcade	12.99
Frontier (Elite 2)	19.99	Theatre of Death	19.99
Fury of Furries	19.99	The Settlers	19.99
Graham Gooch 2nd Innings	11.99	Tornado	22.99
Graham Gooch World Cricket	19.99	Uridium 2	16.99
Gunship 2000	22.99	WWF2 Wrestling	15.99
Hired Guns	22.99	Winter Olympics	21.99
John Madden Football	9.99	Zool 2	9.99

BLANK DISKS
20 ....£11.00 100 ...£33.00
50 ....£20.00 250 ...£73.00
PRICES ARE FOR UK MAINLAND ONLY
PRICES INC P+P

Frontier Elite 2 £19.99

Mortal Kombat £19.99

Cannon Fodder £19.99

T.F.X. £22.99

Beneath Steel Sky £19.99

DIRECT SPECIAL BARGAIN BOX

Blues Brothers	7.99	Mega Lo Mania	9.99
Curse of Enchanter	9.99	Nigel Mansell Grand Prix	9.99
D Generation (bundle)	7.99	Premier Manager	7.99
Disc	4.99	Premier Manager 2	9.99
Federation of Free Traders	5.99	Quadrel	4.99
Jimmy Whites (bundle)	7.99	Thunderstrike	4.99
Legends of Valour	9.99	Titus the Fox	7.99
Lemmings 1	9.99	Ultima V	9.99
Lemmings 2	12.99	Zool	7.99
Manix	4.99	Zool 2	9.99

AMIGA TITLES

Kingdom of Germany	19.99	Rise of the Robots (A1200)	27.99
Kingmaker	22.99	Rise of the Robots	27.99
Kings Quest 6	22.99	Roadrash	19.99
Kings Quest 6 (1200)	22.99	Rugby League	16.99
Kit Vicious	16.99	Ryder Cup (A1200)	16.99
Krusty Fun House	16.99	Sabre Team	15.99
Lambourgini	16.99	Sea Air Rescue	22.99
Legacy of Sorasil	16.99	Seek and Destroy	16.99
Lord of the Rings 2	19.99	Seventh Sword of Mendor	16.99
Lords of Power	22.99	Silent Service 2 (1 Meg)	22.99
Lotus Trilogy	19.99	Sim City /Lemmings	19.99
Maelstrom	22.99	Sim City Terrain Editor	8.99
Magic Boy	16.99	Similfe	22.99
Magicians Castle	19.99	Simon the Sorceror	22.99
Man. United		Soccer	22.99
Premier Championship	19.99	Soccer Kid	16.99
Mario Is Missing	19.99	Sorcerer (1200)	25.99
Mean Arenas	16.99	Space Adventure	22.99
Mico English (6-GCSE)	19.99	Space Hulk	22.99
Microcosm	19.99	Sports Top Ten	19.99
Microprose Grandprix	28.99	Spritz Paint	5.99
Monopoly	18.99	Star Trek 25th	
Morph (1200)	19.99	Anniversary (1200)	22.99
Mr Nutz (1200)	17.99	Strike Squad	22.99
Mr Nutz (600)	16.99	Super Hero	19.99
Nick Faldos Golf	18.99	Super League Manager	16.99
Nobby the Ardvark	16.99	T.F.X. (1200)	25.99
Noddy's Big Adventure	16.99	Tactical Manager (England)	19.99
One Step Beyond	12.99	Tactical Manager (Italy)	19.99
Oscar	16.99	Tactical Manager (Scotland)	19.99
Oscar (A1200)	16.99	Tensai	16.99
Overdrive	16.99	Terminator 2	18.99
Overkill	12.99	Total Carnage	18.99
PGA Tour Golf + Courses	18.99	Tracksuit Manager 94	15.99
Paint & Create	18.99	Traps and Treasures	19.99
Paperboy 2	6.99	Turrican 3 (A1200)	16.99
Pinball Dreams	15.99	Turrican 3 (A600)	16.99
Pinball Double Pack	22.99	Twilight 2000	20.99
Populous 2	14.99	Twilight 2000 (1200)	20.99
Populous 2 (1 Meg)	18.99	U96	22.99
Populous 2 + Data Disk	21.99	UFO	28.99
Populous/Sim City	16.99	UMS Compilation	28.99
Powerhits	19.99	Ultimate Pinball	19.99
Predator 2	5.99	Walker	18.99
Prehistorik 2	16.99	War in the Gulf	21.99
Primemover	17.99	Western Front	19.99
Prince of Persia	9.99	Wing Commander	19.99
Puggsy	19.99	Wiz N Liz	17.99
Rally	16.99	Wiz Kid	18.99
Rampart	15.99	Wolf Child	11.99
Realm of Darkness	16.99	Wren 2 Worlds War	19.99
		Zool 2 (A1200)	16.99

*** FREE * FREE * WHEN YOU SPEND £30 OR MORE ON AMIGA GAMES YOU RECEIVE A ZOOL (WHILE STOCKS LAST) WORTH £9.99 FREE * FREE ***

UTILITIES

Amos 3D (Req Amos)	22.99	Kindwords 3 (Wordprocessor)	29.99
Amos Compiler (Req Amos)	19.99	Lockable Disk Box 80 Capacity	5.99
Amos Easy	22.99	Maxi Plan 4	29.99
Amos Professional	32.99	Mini Office (Word Processor, Spreadsheet, Database and Disk Utilities)	36.99
Amos Professional Compiler	24.99	Mousemat	2.99
Deluxe Paint 4 (1 Meg)	55.49	The Publisher	29.99
Deluxe Paint 4 (AGA)	60.49	Wordworth V2	76.49
Disk Box 80 Capacity	5.99		
External Disk Drive	49.99		
Home Accounts 2	34.99		

CD32 TITLES

A Kira	19.99	International Karate Plus	10.99	Ryder Cup	19.99
Alfred Chicken	17.99	James Pond 3	23.99	Seek + Destroy	17.99
Arabian Knights	10.99	Jambala	17.99	Sensible Soccer	17.99
Bubba N Stix	19.99	John Barnes	10.99	Sleepwalker	19.99
Castles 2	19.99	Jurassic Park	19.99	Summer Olympix	12.99
Chambers of Shaolin	17.99	Labyrinth	17.99	Super Putty	10.99
Chuck Rock	10.99	Legacy of Sorasil	17.99	Surf Ninjas	19.99
Dangerous Streets	17.99	Liberation	23.99	TFX	19.99
Deep Core	17.99	Util Divil	19.99	Tie Break	10.99
Dennis	13.99	Lotus Trilogy	19.99	Total Carnage	19.99
D - Generation	17.99	Mean Arenas	19.99	Town with No Name	19.99
Disposable Hero	19.99	Morph	19.99	Trivial Pursuit	19.99
Dork	19.99	Microcosm	30.99	Trolls	19.99
Elite 2	19.99	Nick Faldo	23.99	Uridium 2	17.99
Fire Force	19.99	Nigel Mansell	19.99	Whales Voyage	19.99
Flyharder	10.99	Pinball Fantasies	19.99	Zool	19.99
Genesia	19.99	Pirates Gold	19.99	Zool 2	19.99
Gulp	19.99	Psycho Killer	19.99		
Inferno	19.99	Robocod	19.99		

EDUCATIONAL

ADI English (11-12)	16.99	Fun School 4 (5-7)	16.49
ADI French (12-13)	16.99	Fun School 4 Over 7	16.49
ADI French (13-14)	16.99	Megamaths A Level	17.49
ADI Junior Counting (6-7)	14.99	Merlin Maths (7-11)	16.99
ADI Junior Reading (4-5)	14.99	Micro English	17.49
ADI Junior Reading (6-7)	14.99	Micro French	17.49
ADI Maths (11-12)	16.99	Micro German	17.49
ADI Maths (12-13)	16.99	Micro Spanish	17.49
ADI Maths (13-14)	16.99	Micro Maths	17.49
Fun School 3 (2-5)	14.49	Micro Science	17.49
Fun School 3 (5-7)	14.49	Paint & Create (5+4)	16.99
Fun School 3 (7+)	14.49	Primary Maths (3-12yrs)	17.49
Fun School 4 (2-5)	16.49	Spelling Fair (7-13)	16.99

WE WILL MATCH PRICES!!! NEVER BEEN BEATEN!!! TRY US!!

Please charge my Access/Visa No: _____ Expiry Date: __/__

ORDER FORM

Please supply me with the following for

Computer .....

TITLES	PRICE
POST + PACKAGING	
TOTAL	

CUSTOMER NUMBER

DATE: _____

NAME: _____

ADDRESS: _____

POST CODE: _____

TEL: _____

AMIGA FORMAT MAY 94

Please make cheques and P.O payable to:-
DIRECT SOFTWARE,
DEPARTMENT AMF05SC
UNIT 3, CROSSKEYS SHOPPING MALL,
ST NEOTS, CAMBRIDGESHIRE PE19 2AU.

POST & PACKING:
UK Mainland Free,
EEC £3.00 per item,
Non EEC £4.50 per item.

All parcels are sent out by recorded delivery
All items subject to availability.
All prices subject to change without notice. E&OE.
Please allow for cheque clearance.
Some games may not be released at time of going to press.

RE-RELEASES

In this month's thrilling episode of Re-releases Stephen Bradley hops along with *Superfrog*, shoots his way through *Lethal Weapon*, spends a bizarre afternoon with *Wizkid* and then builds a railroad empire with *A-Train*. And there's *Zool 2 AGA* and much more. Hurrah!

TEAM 17 COLLECTION VOLUME 1 (COMPILATION)

Team 17 0924 201846 ■ £29.99 ■



Solid, if unspectacular, is the sort of comment your teacher would use to describe *Overdrive*.



Unfortunately, Superfrog's girlfriend Lois was run over in the lane. Sad.



Who's that watching in the background? I reckon he could take them both on with his hands tied behind his back. Go on, get that kid first.

OVERDRIVE

Reviewed *AF53* 74%

Poor *Overdrive* turned up at the same time as *Micro Machines* and suffered accordingly. But as a one player game, this top-view down number is actually better than its quirky counterpart.

There are varying driving conditions to tackle and power-ups to collect, but unfortunately, it can get a tad dull after a while. If you want to take on your mate, you can. If you've got a modem cable. And another Amiga. *Overdrive* is not the best driving game ever, but it's not the pits.

All the games in this compilation are less than a year old and *Overdrive* was only released a matter of months ago. For 30 knicker it's a darned good collection.

SUPERFROG

Reviewed *AF47* 85%

He was once a prince bearing an uncanny resemblance to Shaggy from *Scooby Doo*, until the Gods smiled on our hero and turned him into a frog.

But he'd rather look like Shaggy and marry the princess and in order for this become a reality, six levels of polished platform fun must be completed.

Superfrog looks great and there's enough variety to satisfy even Jimmy Tarbuck. The pick of the bunch.

BODY BLOWS

Reviewed *AF46* 87%

At junior school, we would shout the immortal lines: "Come and have a go if you think you're hard enough, you're going home in a Yorkshire ambulance". Quaint eh?

Nowadays you can thump the living daylights out of folk by simply waggling your joystick. Eeh, kids today, they don't know they're born. *Body Blows* is a decent example of the beat-em-up genre, and is better than many because you can calculate your moves rather than waggling your joystick frantically to produce a flurry of fists and feet. The scrolling is sweet and the characters fearsome. And it's still my fave Amiga beat-em-up.

9/10

WING COMMANDER

Hit Squad 061-832 6633 ■ £14.99 ■ Reviewed *AF44* 83%

"Deepspace dogfighting," exclaims the box. And how many boxes have lied to us since last Tuesday? Yes, that's right 12. Battle the evil Kilrathi in this Star Warsian romp – a potent mixture of flight simulator and shoot-em-up. And choose from four fine ships to boot.

There are strategic elements involved but for those Luke Skywalker wannabees, there is also plenty of action. Perhaps there's not quite enough detail for Freddy Flight Sim and his chums, but for those of you who enjoy waging war in space, it's a fine choice.



It's been a while since I shot through space at the speed of light with guns blazing. I prefer a round of golf these days.

8/10

A-TRAIN

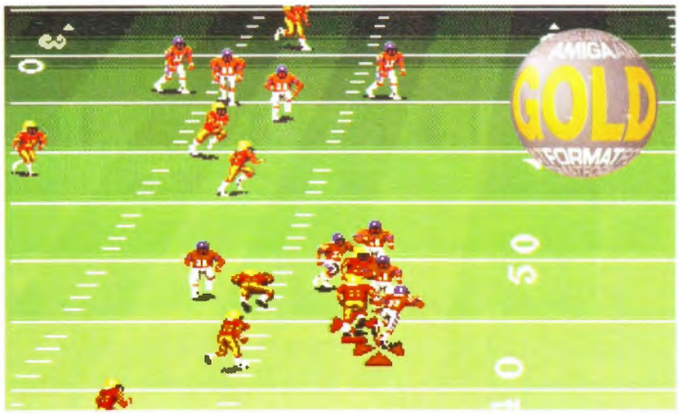
Hit Squad 061-832 6633 ■ £17.99 ■ Reviewed *AF45* 84%

The idea of creating a mass transit operation may not wet the lips of many gameplaying folk. *A-Train* is a sort of god game where you have to pay Poll Tax. The idea is to build an empire, not just railways, and careful financial management is the order of the day. It's quite a handsome game (although rather slow) and even for non-strategy fans like myself, rather addictive. An excellent choice at 18 sovs.



Build skyscrapers, lay railroads and get the trains to arrive on time in *A-Train*, an above average strategy game.

8/10



When John Madden was a lad there was no such thing as padding. Paddy hadn't invented it yet, so they had to stuff old newspapers down their shorts.

JOHN MADDEN AMERICAN FOOTBALL

Hit Squad 061-832 6633 ■ £12.99 ■ Reviewed *AF*33 94%

There is a dearth of choice for the Amiga-owning gridiron fan, but it's good to see this re-released. Even after two years, *Madden Football* looks pretty good, the isometric 3D view works well and the graphics stand up to most stuff out at the moment. Tactically, it's a minefield but with a bit of practice you can put together some neat moves. Still the *Sensible Soccer* of American Football. Does that sound right?

9/10



You're probably looking at this screenshot and wondering what on earth is going on. *Wizkid* is quite possibly the maddest game of all time including hopscotch.

WIZKID

Hit Squad 061-832 6633 ■ £12.99 ■ Reviewed *AF*37 93%

Not as Sensible as their Soccer game but just as much fun. *Wizkid* is a platform game. Normally that would count for something. But this doesn't easily fit into any category. And what did categories ever do for us? You are Wizkid and your task is to free your Dad from the clutches of the evil Zark. And you have to free kittens on the way. Makes sense? If I told you that to free the kittens it helps if you bounce bricks, marbles and penguins off butterflies' heads, would you be any the wiser? Possibly the most bizarre, and for that matter one of the best games you'll play on the Amiga. There are loads of screens and even more variety than *Seaside Special*. Lack of space hinders any further explanation, so get a copy of *Wizkid* tomorrow and discover its many delights for yourself.



Nutts. Where have you gone? What have you done? Still that's what happens to Wizkids.

9/10

LETHAL WEAPON



It's a shame that Patsy Kensit and her wonderful accent aren't here.

Hit Squad 061-832 6633 ■ £9.99 ■ Reviewed *AF*43 64%

Be Riggs, be the other one, kill loads of people, keep violence off the streets and on the Amiga. A rather disappointing film tie-in (they usually are), *Lethal Weapon* is a multi-level platform shoot-em-up and its only outstanding feature is that it's desperately average, even for a tenner.

6/10

ZOOL 2 AGA

Gremlin 0742 753423 ■ £25.99 ■ Not previously reviewed



There is something evil about the swan in *Zool 2*. Maybe it's the way he blinks when you perch on his beak. You must overcome this fowl fear to progress further.

Do ants have girlfriends and pets? Who cares, because Zool is not an ant, apparently. Anyway, he's back – well he was back before, and now the endearing little Ninja from the Nth dimension is back again, this time in glorious AGA. And as the Lobo song *Me and Zooz and a dog named Zoon* goes (remixed version, probably), this time Zool has a ready-made family. There are six levels to tackle, all with different graphic themes and you can be Zool or the lass. But not the dog, more's the pity.

The idea is simple enough (as, indeed is the case with most platformers). Travel across platforms at great speed shooting and collecting things and avoiding the various bad things intent on stopping your progress. When *Zool AGA* was originally released it was something of a disappointment – the backgrounds were incredibly detailed and they detracted from the gameplay. And it was slower than the original version. No such problems with *Zool 2 AGA* though, for this is both pretty and pacy.

The game itself is similar to the first version of *Zool* – in fact, some might say that it's too similar – but hey, the first was great anyway so that can't be a bad thing. If you like your action thick and fast, then this is an excellent choice but for those of you who like to pause for thought and solve the odd puzzle along the way, then you might find *Zool 2 AGA* a bit too quick and repetitive. But we love it.



Fast, colourful, frantic. Oh, and furious. Sorry, I forgot. Looks a bit like an ant though doesn't she?

9/10


The BEST games mag - official!!!
The ULTIMATE in the world of videogames
£2.25
GAMES MASTER
Sega! Nintendo! Amiga! CD-32! 3DO! Jaguar!
Issue Seventeen May 1994
Thrash your mates at this summer's big soccer games
WORLD EXCLUSIVE
World Cup USA '94
FIFA International Soccer
Sensible International
Daytona Racing
Ridge Racer
Virtua Formula
Speed Racer
Stunt Race FX
Road Rash 3DO
Redline Racing
Virtua Racing
Mega Race
Battle Cars
"Game of the decade"
Turn to page 50 now...
PLUS!
Virtual Bart and Itchy and Scratchy - exclusive pics.
AND a top Simpsons vids and games giveaway.
Future Publishing
Your guarantee of value
Channel 4 Television
Issue 17 on sale
Thursday 28 April

GAME BUSTERS

Oh, the shock and the shame of it – getting beaten at *Pong* by your dear old gran. Sound familiar? Then it's time you followed Rob Mead's monthly round-up of sanity and credibility-preserving hints, tips and cheats.

TIPS FOR THE TOP-SELLING Chart Busters AMIGA GAMES

LIBERATION: CAPTIVE 2

Reviewed *AF*55 FG91%
Mindscape ● 0444 246333

Here's a money-saving tip. When you ask someone for information about Toyogon and they tell you it will cost, go to the menu which gives the option of beating them to a pulp. Instead of threatening them or coughing up the money: 1) tell them you'll have to think about it; or 2) go to the bank; or 3) do whatever the third option says. Whichever you choose you'll be given the information every time without debiting your Credcard.

Adrian Collinson, Hull

CHAMP MANAGER ITALIA

Reviewed *AF*58 85%
Intelek ● 0202 752137

I have a handy little tipette for those mortals who are having difficulty with *Championship Manager Italia*. Simply set your style of play to be like this: three central defenders, four across the midfield and finally three up front. Despite the lack of full backs it works well.

Ian John, Liverpool

CHAMP MANAGER '93

Reviewed *AF*48 82%
Domark ● 081-780 2222

Play four at the back, with three centre mid-fielders, a support man and two attackers. Play pass to feet and you should find it easier to win.

Marcus Hook, Bristol

DISPOSABLE HERO

Reviewed *AF*55, 70%
Gremlin ● 0742 753423

Go to the options menu and put the sound effects down to zero, select arcade mode, then exit. Select high scores, hold down the right mouse button and type EUPHORIA, then exit with the left mouse button. Go to the options menu and if you've done this correctly there should now be an extra thingie called configurations. Select it and you can change the number of lives, turn collision on/off and choose the level you wish to start on.

Jurrian de Valk, Holland

MICROCOSM CD32

Reviewed *AF*58 87%
Psygnosis ● 051-709 5755

THE CHEAT

This cheat is a bit complicated, but if done correctly will give you infinite shields and all weapon systems.

First pause the game and press any coloured button. You should hear either a high or a low beep. If you get a high beep you've got the first digit of the code right. If you get a low beep it's wrong and you must start again from the first digit. The code changes every game, but will not change while you try to find it. A weirdo noise tells you the cheat is active. Unfortunately the cheat also sucks all the colour from the cut scenes.

THE TIPS

Concentrate on dodging the nasties – and bullets – rather than just blasting away. Remember you don't have to kill them.

Use the lowest laser power you have, until you meet the more challenging waves and end-of-level guardians. Keep an eye on the blue bar when you meet the guardian as this is your time limit.

It doesn't tell you in the manual, but if you hold down the map key and press the yellow or blue buttons you should notice a tiny white square move on the map. Press the green button to be teleported to that point.

Jonathan Gwilliams, West Bromwich

BUBBA 'N' STIX

Reviewed *AF*57 85%
Core Design ● 0332 297797

When you begin Stage One the tree follows you. You have to turn around and stand close to the tree (with your nose against it). Jump up and throw your stick over the top of the tree. When you land, turn your back to the tree... the stick now hits the tree and turns it into a piece of wood. Now follow the little head on the wheel and you find a lot of platforms packed with point-generating little creatures.

Pascal Raemdonk, Holland

FRONTIER: ELITE 2

Reviewed *AF*54, FG90%
Gametek ● 0753 553445



There's a Thargoid ship lurking somewhere in *Frontier*, and Paul Dempster reckons he knows where.

In the interview with Dave Braben in *AF*57 he said there was a Thargoid ship somewhere in the game. I think I've found it. The information that follows was confidential to the workers of *Frontier*.

The name of the ship is the Mirage. It's called this because it is almost impossible to find. To find the Mirage you need to:

1. Be of Elite status.
2. Travel to the outer edge of the universe.

After you have found the Mirage you need three things to fly her:

A. The top rating in the Empire, which is Prince. After a while the Empire flagship approaches you and says: "The Big Man requires a mercenary for a right-hand man. That's you."
B. A user ident from the Sirius corporation. You can only get this from the Managing Director of Sirius.
C. Tonnes and tonnes of military fuel.

Here are the Mirage's specs:

Mass:	265 tonnes
Mass (fully laden):	5700 tonnes
Internal capacity (no drive):	5435 tonnes
Retro Thruster Acceleration:	28 Earth G
Main Thruster Acceleration:	34 Earth G
Crew:	5
Gun Mountings:	10 + F
Missile Pylons:	22
Allegiance:	Empire, Mercenary.

Paul Dempster, Glasgow

THE SETTLERS

Reviewed *AF*54, FG94%
Blue Byte/Kompart ● 0438 840004

Here are a few helpful hints for those who are stuck on *The Settlers*.

At the beginning of the game, place your castle in a space where there are quite a few trees, a nice big lake and a lot of raw materials, especially gold.

Most of the time this type of land is not available, so go for the nearest, but try to choose a place with a lot of gold – the more gold your town has the stronger your knights attack and defend.

After you have built your castle in a sensible position, build knight huts around the edges of your territory so you can expand your land. While you're waiting for your huts to be built take a look at your enemy to check out what they are doing.

When the knights' huts are ready, it's time for you to build some more interesting buildings. You can build whatever you like, but if it's an important building – a warehouse, for example – always place a guard hut nearby.



Choosing the right spot to place your castle is the key to success in *The Settlers*.

Now it's time to attack an enemy. Carefully choose a good place to attack. The best places are ones which are well occupied, or which will allow you to take out their warehouse(s), toolmakers, shops, mines or food supply. If your first attack fails, don't worry. If you succeed then add your newly-gained territory to your own.

Nathan Docwra, Norfolk

SIMON THE SORCERER – THE SOLLUTION

Reviewed *AF*56 84%
Adventure Soft ● 021-352 0847

Phillip Pink from Horsham sent in the map, and Chris and Emma Oliver from Stoke-on-Trent conjured up this full solution for *Simon the Sorcerer*.

mail order £25 voucher winners

Before you follow these tips, remember that whenever there is an opportunity to speak to someone or something, take it, otherwise you could miss out on some important information. You can also use the in-game map to help you speed around the different locations.

Anyway, starting from the beginning of *Simon the Sorcerer*, here we go.

CAN YOU CUT IT?

Inside Calypso's Cottage take the scissors from the drawer and collect the fridge magnet. Go outside and walk right to the Blacksmith's. Pick up the rope by the barrel and the clapper from the table. Now go to the Drunken Druid inn. At the inn collect the box of matches from the top of the fruit machine and use the scissors to remove the sleeping dwarf's beard.

Talk to the barman about Calypso and Sordid. Walk through the archway to the right and talk to the wizards about becoming a sorcerer yourself. They ask you to find the magic staff for them. Leave the inn and walk left. Walk down the alley by the shop, then walk through the left-hand archway. Now pick up the ladder and enter into the Druid's Cottage.

Pick up the cold remedy from the table and the specimen jar from the top of the stairs. Go to the forest and talk to the woodworm on the tree stump about getting them some wood.

Go to the outside of the witch's house and move the handle on the well. Now pick up the bucket of water.

THORNY PROBLEMS

Go to the upset barbarian and pull out his thorn. Take the whistle and head north-east to the Owl Tree. Talk to the owl about various issues and pick up the feather, which you will find under the Owl Tree, from the ground. Go east and talk to the hole. Tell Von Jones you will find him a fossil. Go to the Troll Bridge. Here you will come across a troll having an argument with two goats.

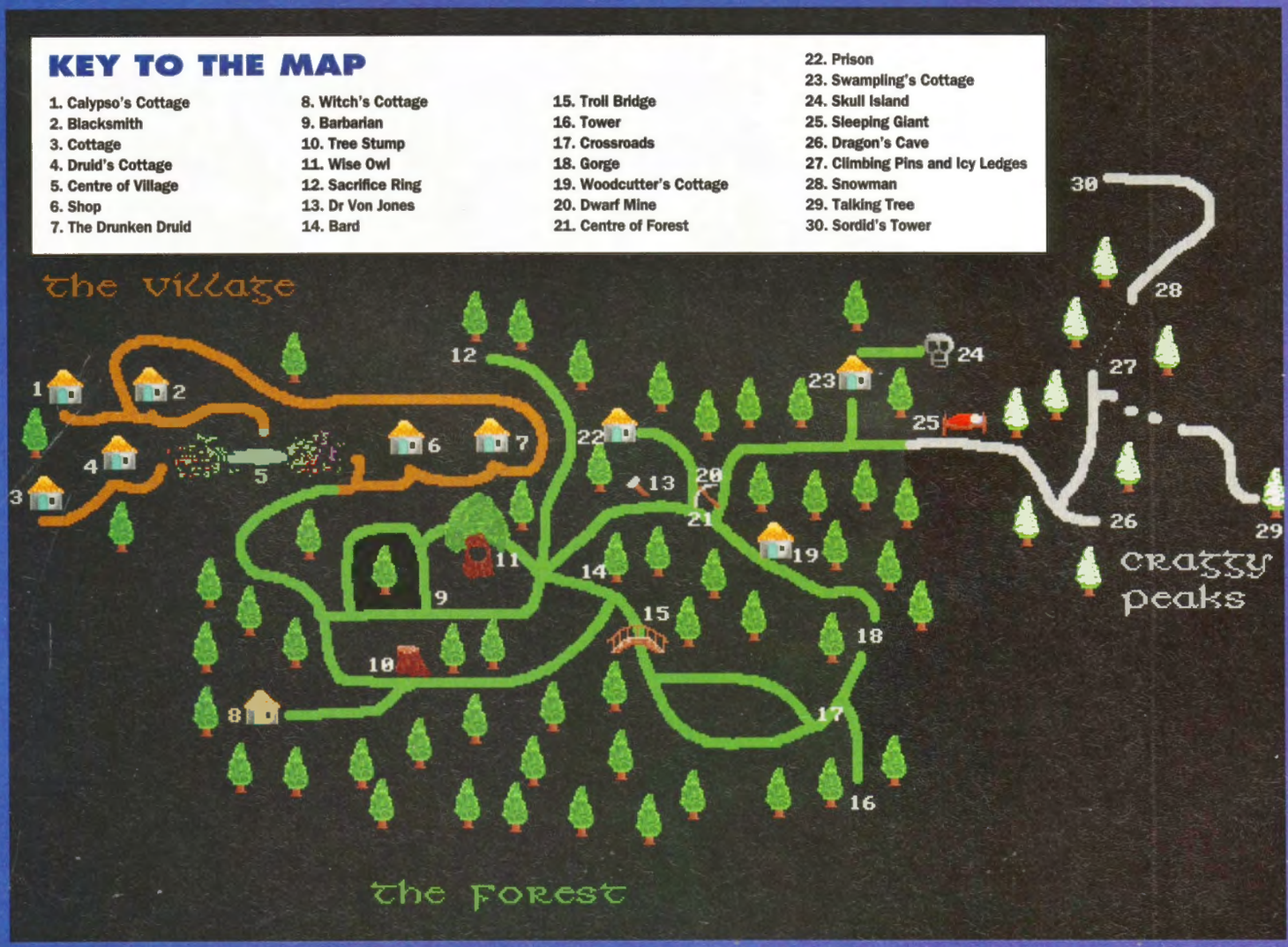
When they finish their argument, ask the troll if you can cross the bridge. He refuses. Talk to him once more and he takes the whistle and gets wasted by the barbarian. Now walk across the bridge, picking up the placard on your way.

GO EAST, YOUNG MAN

Head east, south-east, east and east again. At the crossroads go south-east. Use the clapper with the bell and move it. Climb up the hair. Get the repulser and go back to the crossroads before going north-west.

Talk to the oaf. Use dialogue 1,1. Pick up the beans from the puddle and go behind Calypso's house in the village. Use the beans with the compost heap and pick up the watermelon.

Go to the chocolate truffle door on the house in the village and use the repulser with it. Go inside and take the smoke box and the hat. Leave the house and use the smoke box with the beehive. Take the wax and go to the Drunken Druid.





There's nothing nastier than a dragon with flu – lucky you remembered to collect your cold remedy, isn't it? Or is it all a tissue of lies?

Talk to the barman, ask for a drink and while the barman is not looking use the wax on the beer barrel. The barman thinks the barrel is empty and takes it outside. When he returns he gives you a beer voucher.

Leave the inn and pick up the barrel. Return to the Troll Bridge and go north-west. Use the melon on the sousaphone. Go west, north-east and east. Pick up the rock from outside the Dwarf Mine. Look at it. Talk to the Woodcutter and ask for his metal detector. Return to the centre of the forest, wear the beard and enter the Dwarf Mine. Say Beer.

Give the beer barrel to the guard. Use the feather on the horizontal dwarf. Pick up the key. Go upstairs and go deeper into the mine. Pick up the hook and use the key on the door. Enter the Gem Room. Bribe the dwarf with the free beer ticket, receive the gem and leave the mine.

Go back to the Dodgy Geezer in the village. Give him the gem and accept 20 gold pieces. Go to the shop and buy the white spirit and the hammer. From the centre of the forest go north-east, east and then east.

Open the door to Swampling's house. Be nice to him because it's his birthday. Try his swamp stew. Eat a second bowl of it. When you're offered the third bowl use it with the specimen jar. Move the chest and open the trapdoor. Go down the hole. Use the hammer on the broken plank. Pick up the frogsbone off Skull Island.

CROSSROADS

Go to the crossroads and go north-east. Use the vines at the bottom left of the screen. Offer the swamp stew to Gollum and he gives you his fishing rod. Now use the fishing rod to find the magic ring. Climb back up the vines and head for the centre of the forest using the map.

Go through the stairs at the top of the screen. Outside the doors, pick the shopping list off the floor by the teeth. Go to the shop in the village and give it to the shopkeeper. Leave the shop, exit the screen and then immediately come back in.

Open the box, look at the boxes, pick up the spell book and then the rat bone off the floor near the back of the room. Open the spell book and use the bone with the lock. Pick up the paper and use the key with the lock. Go through the door.

Pick up the bucket, go down the stairs, talk to the druid and remove the ring. Pick up the flaming brand from the hot coals and take the mints off the floor by the door.

Talk to the druid about escape plans and then use the bucket and the flaming brand with the druid. Open up the iron maiden, and pick up the hacksaw from the frog. Use the hacksaw with the bars. Leave through the hole in the bars and go back to the Druid's House. Give the frogsbane to the druid and you will receive a shrinking potion. Go back outside Swampling's house and head east, east and east again. Use the metal detector, and go east. Use the sousaphone on the sleeping giant. Go east and east again. Outside the cave use the cold remedy on the dragon. Pick up the fire extinguisher.

Find the boulder at the cave entrance and use the hook on it. Climb up. Use the rope with the magnet and lower the magnet down the hole before climbing down the rope. Go north-east. Go east using the icy ledge. Head for the tree and talk to it. Use the white spirit on the pink cross. Talk to the tree again to find out the magic words. Go to the Blacksmith's in the village and use the rock with the anvil. Pick up the fossil.

Return to the centre of the forest (west) and talk to the archeologist. Give him the fossil and tell him where you found it. Return to the metal detector, look at dirt. Pick up the mithril ore. Give it to the Blacksmith and the axehead to the woodcutter.

ANY WITCH WAY BUT LOOSE

Enter the woodcutter's house. Pick up the climbing pin, use the fire extinguisher on the fire and move the hook above the ashes. In the basement pick up the mahogany, return to the woodworm and give the wood to them. Go to the room in which you found the repulser. Use the woodworm on the floorboards. Use the ladder with the hole and climb down.

Open the tomb. You run out screaming. Go back in via the door and open the tomb again. When the mummy walks out pull the loose bandage. Pick up the magic staff, head back to the village and give the staff to the wizards. They ask for a subscription fee so give them 30 gold pieces.

Now go to the Witch's Cottage. Pick up the broom and the witch will appear – challenge her to a duel. Use the magic words the tree gave you except for 'abracadabra'.

When you win a dragon appears. Say 'abracadabra' to change into a mouse and escape through the mousehole.

Return to the Dragon's Cave using the map – walk north-east, north-east. Use the climbing pin in the hole. Confront the snowman who blocks your path, eat mints and walk up the steps. When the path falls away use the broom, drink the druid's potion and walk through the crack.

In the garden, look at the bucket, pick up the stone, the leaf and go left. Pick up the lily pod and use it with the match and the leaf to make a boat. Pick up seeds and use them with the stone. Then use the oil with the tap, and the hair with the tap. Sail to the centre of the puddle.

Look at the water just below the gnome and pick up the tadpole. Talk to the frog and say line two. Pick up the mushrooms and eat them to return to normal size.

Take the branch from the dead tree, open the door and enter. After being chased out, re-enter and use the branch with the chest. Take the shield and spear then go down the stairs.

UPSTAIRS DOWNSTAIRS

Pick up the chest, move the lever, use the chest with the block, move the lever. Pick up the candles. Use the spear with the skull on the top left of the ceiling. Pick up the skull. Go back to the middle floor. Pick up the magic wand, the book (read it), the sock and the pouch. Talk to the mirror.

Go upstairs. Pick up the chemical off the table and use it with the shield. Then use the shield with the hook on the side of the table. Pick up Sordid's spellbook from the bookcase and read it. Talk to the demons about sending them back to hell. Then go downstairs. Use the sock with the pouch and use the pouch with the mousehole to catch the mouse. Talk to the mirror and ask to see the demons upstairs to find out their names.

You should have all the components. Walk up the stairs, tell the demons you are ready, walk into the teleporter and go to the fiery pits of Rondor.

When you arrive at the pits pick up the sapling and the pebble. Talk to the attendant. Get the brochures from him. Look at them in your inventory. You will now have an elastic band. Use the rubber band with the sapling to make a catapult. Use the catapult with the bell to send the attendant running. Pick up the souvenir matches from the counter. Exit right. Pick up the bucket of floor wax and exit right.

Now you come face to face with Sordid himself. Use the magic wand to turn Sordid to stone. Use the souvenir matches on the pits, they will now ignite. Hey presto! The lava is back! Now throw the wand into the pit – a long, animated sequence will follow. That's it!



After a few bowls of swamp stew at Swapling's house, Simon heads off to Skull Island in search of the mysterious frogsbane.

SYNDICATE

Reviewed *AF49*, FG91%
Electronic Arts ● 0753 549442

I've discovered a way to get extra agents in Bullfrog's excellent *Syndicate*.

Avoid Kazakhstan until two agents have V3 legs – if this zone has already been completed, raise taxes until the people rebel.

A. Send in the two of your *Syndicate* agents and equip them both with two Medikits, a flamer and a persuadertron.

B. Quickly head south-west and wait behind the long thin building for about five minutes. Keep an eye on your scanner for approaching enemy agents. When they get near give your agents full adrenaline and flamers, then fry the enemy as they appear around the corner. Wait a minute for another group to appear and do the same. Rest (zero adrenaline).

C. Give both agents full adrenaline and persuadertrons, then head west persuading everyone in sight, including cops.

D. Head north and do the same. Rest and use the arrow keys to locate building X, where enemy agents are waiting outside. (If you can't see, you didn't get to point B quick enough and have to try again.)

E. Approach the enemy from one street south of them, then give your agents full adrenaline and head towards the enemy. They give little or no resistance and are all persuaded. They are also kitted out with V1 mods. When you get low on agents, raise taxes and go through it all over again.

S Zalega, Barnsley



ALIEN 3

Reviewed *AF45*, 70%
Virgin ● 081-960 2255

I have found a handy cheat for reaching the later levels of *Alien 3*. Start Level One, then take out disk one and put in disk two. Now sit back and let the time run out. After the chest-bursting bit, you are transported to a much later level – even though the mission brief would have you believe otherwise!

On the level after this, at the top right before the exit, there is a platform full of Medipacks. Now simply climb up the ladder that seems to lead nowhere.

On the level after that, go to the bottom left for full everything.

Steven Fletcher, Glasgow

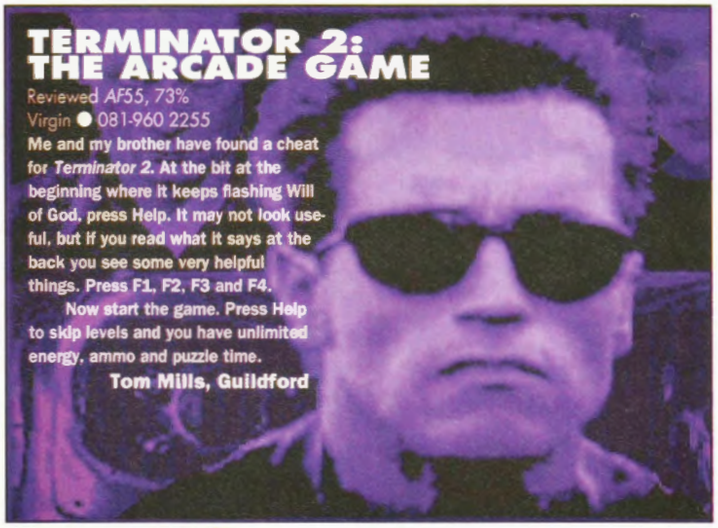
TERMINATOR 2: THE ARCADE GAME

Reviewed *AF55*, 73%
Virgin ● 081-960 2255

Me and my brother have found a cheat for *Terminator 2*. At the bit at the beginning where it keeps flashing Will of God, press Help. It may not look useful, but if you read what it says at the back you see some very helpful things. Press F1, F2, F3 and F4.

Now start the game. Press Help to skip levels and you have unlimited energy, ammo and puzzle time.

Tom Mills, Guildford



APACHE

Free with *Alien Breed 2*
Team 17 ● 0924 291867

Type in *overdrive* and the screen flashes. Now use keys one to five for levels one to five, the six key to play the bonus mission and the W key for the best weapons.

Duncan Thomas, Bradford

BC KID

Reviewed *AF42*, 70%
UBI Soft ● 081-343 9055

When you start the game go straight to the left, headbutt the floor and collect the flower. Get the flying flower and you're rewarded with an extra life. There are more scattered throughout the game.

David Styles, West Midlands

ALFRED CHICKEN

Reviewed *AF53* 62%
Mindscape ● 0444 246333



On Level Four (Glass) get to the first can of pop, jump over the broken piece of glass and turn into the clear glass flask. Jump up to reveal a hidden door. Walk out of the flask, fall down towards the spikes and on to the hidden spring. Jump back up into the top of the flask, enter the door to the secret room full of diamonds, extra lives and balloons.

Alternatively, you can peck away at the last row of blocks between the balloons, walk into the green bottle, fall down, walk out into the clear glass and jump to find the hidden door. Enter the warp room and warp to levels six, seven, eight and nine.

G Wood, Anderton, Northwich, Cheshire

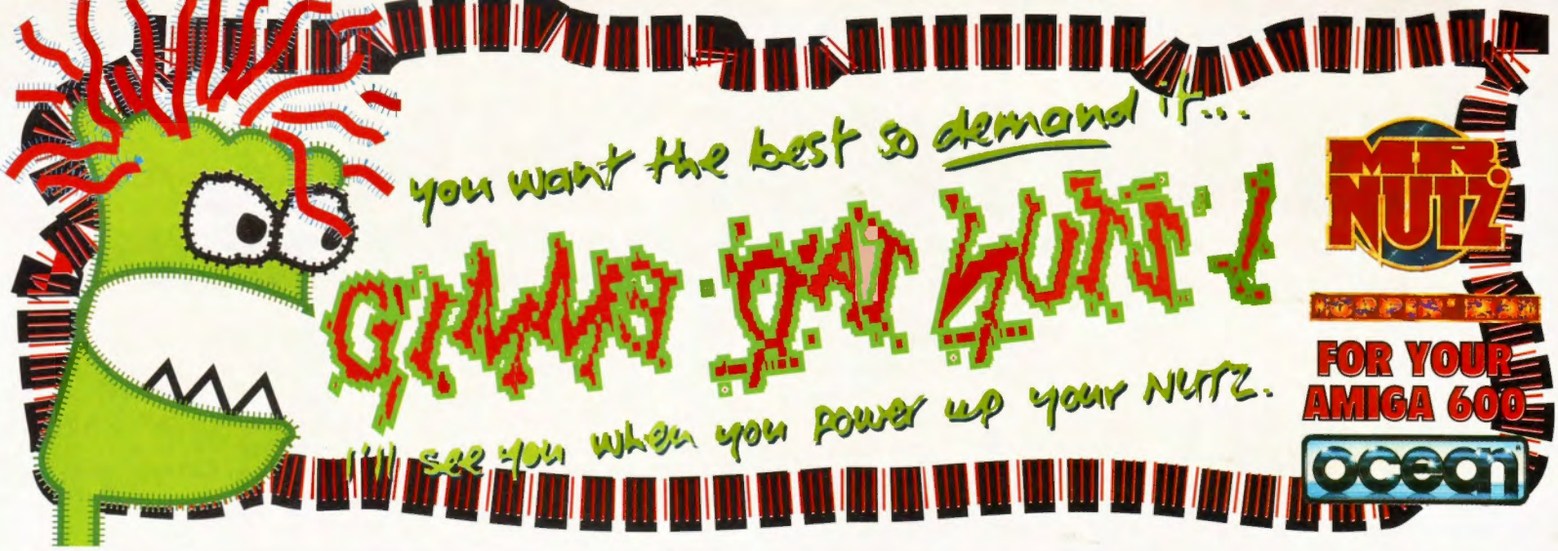
WIN A GREMLIN GAME

From next month we will giving away a Gremlin game for the best Gamebusters tip. Just send in your hints, tips, cheats and maps for any Amiga games to Rob Mead. If yours are good enough you'll win the game of your choice from Sheffield publishers Gremlin – the creators of *Zool*, *K240* and the *Lotus* racing sims. Tell us which game you want. If a game is not specified then the sender of the best tip will receive a £25 Amiga Format Mail Order voucher.

ACTION REPLAY CORNER

We have had absolutely loads and loads of requests for more *Action Replay* codes, so here is a selection from C Tate of Cheadle and Mark Trueman of Stourport.

GAME	CHEAT	ADDRESS
Bombuzal	Lives	1C137
Bubble Bobble (P1)	Lives	C149C6
Bubble Bobble (P2)	Lives	C149C7
Captain Planet	Lives	C00547
Cover Girl Poker	Pot	1EFD3
	Your Money	1EFFD
	Her Money	1EFDS
Ivan Ironman's Off Road Racer	Credits	1C45
James Pond 2	Energy	2286
	Lives	2284
Jimmy White's Whirlwind Snooker	Score P1	5AD7
	Score P2 (computer)	5AD9
Magicland Dizzy	Lives	171
	Diamonds	175
Magic Pockets	Continues	1792
Mega Lo Mania	Men	17ED7
	Men on Island	17ED5
Speedball 1	Coins	B237
	Opponents Score	B21A
Speedball 2	Money	1E3
Strider	Lives	F9C5
	Health	FF01
Test Drive 2	Lives	C1F273
Turrican	Mines	7B1A
	Smart Blasts	7B1E
	Energy	7AC9
	Shields	262
Zool	Energy	1EF5C



Premier Mail Order

E&OE

Most titles are despatched same day, but can take up to 28 days.

Please send cheque/PO (made out to Premier Mail Order) /Access/Visa no. & expiry date to:

Dept AF17, 9-10 The Capricorn Centre, Cranes Farm Road, Basildon, Essex SS14 3JJ Tel: 0268-271172 Fax: 0268-271173

Telephone orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm. We are open 364 days a year. P&P and VAT is included for all UK orders. Please add £2 P&P for Europe, elsewhere please add £3.50 per item for Airmail. Next day service available UK only at £4.00 per item. Some titles may not be released at the time of going to press.

A - Train 12.99	Civilisation (1 Meg) 22.99	Flashback 20.99	Lionheart CD32 14.99
A320 Airbus (Europe) 22.99	Claws 17.99	Flight Sim 2 Great Britain 26.99	Links Bountiful Course Disk 12.99
A320 Airbus (USA) 22.99	Cohort 2 ..... 19.99	Flight Sim 2 Japan Scenery 13.99	Litil Divil CD32 19.99
A320 Approach Trainer 19.99	Combat Air Patrol 19.99	Flight Sim 2 Hawaiian Scenery 13.99	Liverpool Football CD32 17.99
Addiction 19.99	Combat Classics 1 - (Compilation) 19.99	Flight Sim 2 Western European Tour 13.99	Lords of Chaos 8.99
Air Bucks 1.2 ..... 19.99	Combat Classics 2 - (Compilation) 19.99	**Flight Simulator 2 ..... 24.99**	**Lords of Power 22.99**
Air Bucks 1.2 ..... A1200 22.99	Contraptions 13.99	Flight of the Intruder 10.99	Lotus Trilogy 19.99
Air Force Commander 19.99	Cool Spot 20.99	Fly Harder CD32 12.99	Lotus Turbo Trilogy CD32 22.99
Akira 18.99	Cosmic Spacehead 17.99	Formula 1 Champions 19.99	Magic Boy 17.99
Akira CD32 19.99	Covergirl 17.99	Formula One Grand Prix 22.99	Magician's Castle 19.99
Alfred Chicken ..... All Formats 17.99	Crafi 17.99	G2 ..... 17.99	Manchester United Europe 8.99
Alien 3 ..... 19.99	Crash Dummies 17.99	Genesis CD32 19.99	**Manchester United Prem League Champs ..19.99**
Alien Breed 2 (All versions) 19.99	Cyber Punk 17.99	Globdule 19.99	Mario Is Missing 19.99
Alien Breed Special Edition 10.99	Cyberspace 22.99	**Goal 13.99**	Mavis Beacon 2 ..... 19.99
Alien Breed Special Edition CD32 12.99	D-Generation CD32 17.99	Goblins 3 ..... 22.99	Mega Collection 16.99
Ambermoon 19.99	Dangerous Streets ..... A500 or A1200 17.99	Graham Gooch 2nd Innings 11.99	Messengers of Doom 19.99
Amberstar 19.99	Dark Sun: Shattered Lands 21.99	**Graham Gooch World Class Cricket..19.99**	**Micro Machines 17.99**
Apocalypse 17.99	Darkmere 20.99	Graham Taylors Soccer Challenge 8.99	**Microcosm CD32 29.99**
Arabian Knights A1200 19.99	Deepcore CD32 19.99	Grand Prix Circuit 19.99	Monopoly 18.99
Arabian Knights CD32 12.99	Deluxe Music Construction Set 2.0 ..... 59.99	Grand Slam Collection 13.99	**Mortal Kombat 20.99**
Assassin Remix 9.99	Deluxe Paint 4 AGA 64.99	Grusome 16.99	Mr Nutz 17.99
Award Winners 2 ..... 19.99	Demonmaniac 17.99	Gulp CD32 19.99	Mr Nutz A1200 18.99
B17 Flying Fortress (1 Meg) 22.99	Desert Strike 19.99	Gunship 2000 (1 Meg) 22.99	Nascar Challenge 12.99
Bart vs the World 17.99	Detroit 22.99	Hannibal 19.99	Naughty Ones ..... All Formats 17.99
Batman Returns 16.99	Diggers A1200 19.99	Hanna Barbera Animation 29.99	New Zealand Story 6.99
Battle Isle '93 ..... 17.99	Disposable Hero 17.99	Harrier Jump Jet 22.99	Nick Faldo's Golf (1 Meg) 22.99
Battle Toads 17.99	Disposable Hero CD32 19.99	Heroquest 2 Legacy of Sorasil 18.99	Nicky 2 ..... 17.99
Beastlord 17.99	Dizzy Collection 16.99	Heroquest 2 - Legend of Sorasil ... A500/CD32 17.99	Nigel Mansell's World Champ CD32 19.99
Beneath a Steel Sky 20.99	**Dizzy CD Pack CD32 16.99**	Hill Street Blues 8.99	No Second Prize CD32 14.99
Beavers CD32 17.99	Dizzy's Excellent Adventure 16.99	**Hired Guns 22.99**	Oscar (All versions) 17.99
Blade of Destiny 26.99	**Dogfight 22.99**	History Line 1914-18 (1 Meg) 22.99	Out to lunch A1200 17.99
Blastar 17.99	Donk 16.99	IK+ 6.99	Overkill A1200 17.99
Blob 17.99	Donk CD32 19.99	Indiana Jones Fate of Atlantis Adv 24.99	Overkill CD32 19.99
Bob's Bad Day 17.99	Dracula 19.99	Inferno CD32 19.99	Pang 6.99
Body Blows (1 Meg) 18.99	Dream Web 22.99	Innocent 22.99	Parasol Stars 8.99
Body Blows Galactic 18.99	Dune 2 ..... 20.99	International Open Golf CD32 19.99	Perfect General ..... (See Lords of Power)
Body Blows Galactic A1200 19.99	Dynablaster 19.99	International Open Golf Championship 17.99	Perihelion 19.99
Body Blows/Superfrog/Overdrive 19.99	Elfmania 17.99	Ishar 2 ..... 19.99	**Pinball Dreams + Fantasies 22.99**
Breach II 22.99	**Elite 2 (Frontier) ..... A500 or CD32 19.99**	Ishar 2 ..... A1200 19.99	Pinball Fantasies A1200 19.99
Brian the Lion 19.99	Entity 19.99	Jack the Ripper 27.99	**Pinball Fantasies CD32 24.99**
Brutal Sports Football 25.99	European Champions 17.99	Jaguar XJ220 ..... 8.99	Pinball Magic 6.99
Bubba & Stix JCD32 19.99	European Championship Football .. CD32 19.99	James Pond 3 ..... All Formats 19.99	Police Quest 1 ..... 12.99
Bubba 'n' Stix 19.99	**Excellent Games 22.99**	Jet Strike 17.99	Populous & Promised Lands 10.99
Bubble & Squeak CD32 19.99	Exile CD32 19.99	John Barnes' European Football 8.99	Populous 2+ ..... (see Excellent Games)
Burnin Rubber 16.99	Eye of the Beholder 1 ..... 12.99	John Barnes' European Football CD32 12.99	Powermonger & Data Disk 12.99
Caesar/Cohort 2 ..... CD32 22.99	Eye of the Beholder 2 (1 Meg) 21.99	John Madden American Football 16.99	Premiere CD32 12.99
Caesar Deluxe 19.99	F1 ..... 17.99	Jurassic Park 17.99	Premier Manager 2 ..... 17.99
Campaign 2 ..... 22.99	**F117A Nighthawk Stealthfighter ..22.99**	Jurassic Park A1200 18.99	Prime Mover 17.99
Cannon Fodder 20.99	F16 Combat Pilot 8.99	Jurassic Park CD32 19.99	Prince Of Persia 6.99
Captain Dynamo CD32 12.99	F17 Challenge 10.99	K240 ..... 17.99	Project X 10.99
Castle Conquest 19.99	F17 Challenge/Project X CD32 17.99	K240 (Non AGA) CD32 17.99	Project X/F17 Challenge CD32 17.99
Castles 2 ..... 19.99	F19 Stealth Fighter 11.99	K240 - Utopia 2 ..... CD32 19.99	Prophesy 19.99
Castles 2 ..... A1200 22.99	F29 ..... 10.99	Kings Table 19.99	Pro Tennis Tour 2 - 8.99
Chambers of Shaolin CD32 17.99	FA Premier League 17.99	King's Quest VI 26.99	Jimmy Connors Great Courts 2 ..... 8.99
Championship Manager '93 (1 Meg) 16.99	Fantastic Dizzy 17.99	Kingmaker 22.99	Psycho Killer CD32 22.99
Championship Manager '94 Season Disk ...7.99	Fantastic Worlds - (Compilation) 22.99	Kit Viscious 17.99	Puggsy 19.99
Championship Manager Italia 16.99	Fat Man 17.99	Knights of the Sky 10.99	Quest for Glory 12.99
Chaos Engine 16.99	Ferrari Grand Prix 17.99	Laser Squad 8.99	Qwak 9.99
Chaos Engine A1200 17.99	Fields Of Glory 22.99	Legends of Valour 24.99	Qwak /Alien Breed Special Edition CD32 17.99
Chaos Engine CD32 19.99	Fire Force CD32 19.99	**Lemmings 2 The Tribes 17.99**	Ragnarok 22.99
Chuck Rock CD32 12.99	Final Fight 8.99	Lemmings Double Pack 19.99	Rainbow Islands 6.99
Civilisation A1200 25.99	First Samurai + Mega-Lo-Mania 19.99	**Links - the Challenge Of Golf 12.99**	Reach for the Skies 19.99
			Reach out for Gold ..... A500 or A1200 17.99
			Red Baron ..... (see Lords of Power)
			Renegade 2 ..... 16.99
			Rise of the Robots ..... A500 or A1200 27.99
			Rookies 16.99
			Rules of Engagement 2 ..... 22.99
			Ryder Cup 17.99
			Ryder Cup CD32 20.99
			S.U.B. 19.99
			Scrabble 18.99
			Second Samurai 19.99
			Secret of Monkey Island 12.99
			Secret of Monkey Island 2 (1 Meg) 24.99
			Seek N Destroy 17.99
			Sensible Soccer 92/93 ..... 16.99
			Sensible Soccer CD32 19.99
			Settlers 19.99
			Shadow Lands 8.99
			Silent Service 2 ..... (see Lords of Power)
			Sim City + Lemmings 19.99
			Sim City Deluxe 22.99
			Sim City+Populous 19.99
			Sim Life A1200 22.99
			Simon The Sorceror 22.99
			Simon The Sorceror A1200 29.99
			Skidmarks 17.99
			Slicks 12.99
			Soccer Kid 17.99
			Soccer Kid A1200 19.99
			Space Hulk 22.99
			Space Quest 1 ..... 12.99
			Space Legends Compilation 19.99
			Sports Masters Compilation 19.99
			Star Trek A1200 22.99
			Starlord 22.99
			Streetfighter 2 (1 Meg) 12.99
			Striker 8.99
			Super Fighters Compilation 17.99
			Super Hero 19.99
			Super League Manager 17.99
			Super Methane Brothers 17.99
			Super Methane Brothers CD32 22.99
			Surf Ninjas CD32 19.99
			Surf Ninjas ..... A500 or A1200 17.99
			Syndicate 22.99
			T.F.X. A1200/CD32 22.99
			TV Sports Duo CD32 19.99
			Tactical Manager -
			English or Scottish or Italian 19.99
			Team 17 Collection Vol 1 ..... 19.99
			Tetris/7 Colours 16.99
			The Blue and the Gray 22.99
			The Greatest 21.99
			The Lost Vikings 20.99
			Theatre of Death 19.99
			Town with no Name CD32 22.99
			Tornado 22.99
			Total Carnage 18.99
			Total Carnage CD32 19.99
			Tracon 2 ..... 22.99
			Traps and Treasures 19.99
			Trolls ..... A500 or A1200 9.99
			Turning Points 22.99
			Turrican 3 ..... A500/A1200 17.99
			Twi-Light 2000 ..... 20.99
			UP6 ..... 22.99
			UFO 22.99
			Ultimate Body Blows CD32 19.99
			UMS Compilation 27.99
			Uncovered 17.99
			Universal Monsters 17.99
			Uridium 2 ..... 17.99
			Uridium 2 ..... CD32 22.99
			Utopia 2 K240 ..... 19.99
			Western Front 20.99
			Wing Commander A1200 22.99
			Winter Challenge 22.99
			Winter Olympics 22.99
			Winter Supersports ..... A500 or A1200 19.99
			Worlds of Legend 17.99
			Yo Joe 17.99
			Zool CD32 19.99
			Zool 2 ..... A500/A1200 17.99

SPECIAL OFFERS

Arabian Knights	9.99
Blues Brother	8.99
Body Blows	12.99
Chuck Rock	10.99
Crazy Cars 3	12.99
Football Crazy Challenge	9.99
Godfather Adventure Arcade Game	8.99
Jack Nicklaus Unlimited Golf	12.99
Jack Nicklaus Course Designers	
Clip Art volume 1	7.99
Kick Off 2 Final Whistle	7.99
Kick Off 2 Giants of Europe	7.99
Kick Off 2 Winning Tactics	5.99
Sabre Team	9.99
Seymour Goes to Hollywood	6.99
Shadow Worlds	9.99
Super Tetris	12.99
Thunderstrike	5.99
Wing Commander (1 Meg)	9.99
Zool	8.99

EDUCATIONAL

ADI English	(All Ages)	17.99
ADI French	(All Ages)	17.99
ADI Maths	(All Ages)	17.99
ADI GCSE Maths - English or French		22.99
Better Maths	(12-16)	13.99
Better Spelling	(8-14)	13.99
Cave Maze	(8-12)	9.99
Fraction Goblins	(8-13)	9.99
Fun School 2	(<8)	6.99
Fun School 2	(6-8)	6.99
Fun School 2	(U6)	6.99
Fun School 4	(5-7)	16.99
Fun School 4	(7-11)	16.99
Fun School 4	(U5)	16.99
Junior Typist	(5-10)	10.99
Magic Math	(4-8)	13.99
Maths Dragons	(6-13)	9.99
Maths Mania	(8-12)	13.99
Mickey's ABC'S	(3-5)	13.99
Mickey's 123's	(3-5)	13.99
Mickey's Jigsaw Puzzles	(5+)	13.99
Mickey's Memory Challenge (5+)		13.99
Noddy's Playtime	(3+)	16.99
Noddy's Big Adventure	(3+)	16.99
Paint & Create	(5+)	17.99
Picture Fractions	(7-10)	9.99
Reasoning with Trolls	(5-12)	9.99
Tidy the House	(6-10)	9.99
JUNIOR ADVENTURES		
Robin Hood	(8+)	13.99
The Three Bears	(5-10)	13.99
Wind in the Willows	(6+)	13.99
Wizard Of Oz		13.99
Scrooge (A Christmas Carol)	(8+)	13.99

3.5" BLANK DISKS

	TDK/VERBATIM (BOXED)		PRECISION (BOXED)		UNBRANDED (LOOSE)	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
10	7.99	9.99	6.49	7.99	5.99	6.99
20	14.50	19.50	11.99	15.50	10.99	13.50
50	35.00	47.50	26.00	37.50	23.99	32.50
100	65.00	95.00	49.99	72.99	44.99	62.99
200	125.00	190.00	94.99	141.99	83.99	121.99
500	300.00	470.00	219.00	350.00	199.99	287.50
1000	580.00	930.00	419.99	680.00	369.99	550.00

3.5" Recycled - Loose

10 ..... 4.50 20 ..... 8.50 50 ..... 17.50 100 ..... 35.00

JOYSTICKS/ACCESSORIES

Analog Adaptor	4.99
Cheetah 125+	7.99
Cheetah Bug	11.99
Competition Pro Extra	14.99
Gravis Advanced Switch Joystick	22.99
Gravis Gamepad	15.99
Quick Joy 2 Turbo	10.99
Quick Joy Jet Fighter	11.99
Quick Joy Top Star	17.99
Disk Box (10 capacity)	1.99
Disk Box (40 capacity)	4.99
Disk Box (50 capacity)	5.99
Disk Box (80 capacity)	6.99
Disk Box (100 capacity)	7.99
Wico "Q" Stick	4.99
Mouse Mat	1.99
Suncom Tac 2	7.99
Suncom Slik Stick	4.99



"The Best (Racing Software) Available"

"DAMNABLY GOOD" - Racing Post

- Amiga Format (April 93)

'KING OF THE COMPUTERS"

- S.Life/Weekender (November 93)

Now in its seventh successful year, the PRO-PUNTER software will turn your AMIGA into a year round expert racing advisor. With a long history of excellent forecasting performance, users are looking forward to another brilliant flat season. Written to highly professional standards; attractive and easy to use; full edit/review facilities; unique low maintenance database; does not require daily maintenance or costly updates. 43 page user guide. Super Flat results in 1993.

Available for IBM PC & clones, COMMODORE AMIGA, ATARI ST.

RRP £99. **SPECIAL OFFER PRICE (DIRECT FROM PUBLISHER) £85.**

GET SET FOR THE FLAT SEASON NOW! Mastercard/Visa accepted.

FREE INFORMATION PACK ON REQUEST

MasterCard

DGA SOFTWARE (AMF), 437 KINGS ROAD, ASHTON-UNDER-LYNE, LANCS OL6 9AT. Tel: 061-330 0184

VISA

HIGH QUALITY SOUND SAMPLES

EXTENDED RANGE OF IFF SAMPLES (Includes new RHYTHM LOOP disks)

Each disk is compiled from a **studio recorded master** and is sampled on the Amiga at **twice the sample rate** of P.D. sample disks. They are compatible with all P.D. and commercial tracker and sequencer programs, and are highly regarded by the Amiga Press... "There are a lot of sample libraries around but this one is absolutely brilliant" Amiga Computing 2/93, "This collection of disks shows how it should be done... the conventional instrument samples are the best I've heard on the Amiga" CU Amiga 7/92, "Do you want some high quality and wide ranging sounds to use in your compositions? Well then this is the place to look." Rating 87% Amiga Format Special Aut/92. N.B no of samples in brackets

001 AFRICAN	Talking Drums, Marimbas, Chants etc (53)	019 PIANOS	Octave Splits, with strings, FX (16)
002 INDIAN INST	Sitars, Bansuri, Chants etc (19)	020 STRINGS	Cello, Orch. Hits, Sections etc (21)
003 INDIAN PERC	Tablas, Bayas, Rhythm Loops etc (35)	021 SYNTH STRINGS	Analog & Digital (19)
004 ARABIC	Ud, Saz, Bendir, Rhythm Loops etc (37)	022 CHOIRS	Mixed Choirs, with Bells & Synth (16)
005 FAR EAST	Tibetan Bells, Yangqin, Koto etc (31)	023 ORGANS	Church & Electric (17)
006 EUROPEAN	Balalaika, Choirs, Bodhran etc (34)	024 BELLS	Real & Synth with Choir & Strings (20)
007 OCEANIA	Didjeridu, Chants, Slit Drum etc (23)	025 SOUND FX	Action: Explosions, Gunshots etc (30)
008 AMERICAS	Kena, Berimbau, Pan Pipes etc (30)	026 FX PERC LOOPS	Up-tempo effected rhythms (14)
009 FX PERC	Power Toms, Snares & Bass, Scratch/Rap (88)	027 DRUM LOOPS 1	Various styles - pop, breakbeat etc (14)
010 DRUM KIT	Bass & Snares, Hi-Hats, Cymbals & Toms (63)	028 DRUM LOOPS 2	More pop and breakbeat rhythms (13)
011 ANALOG PERC	TR-808, CR-78, Loops etc (64)	029 TECHNO 1	Techno, Industrial & Electronic Loops (17)
012 LATIN PERC	Timbales, Congas, Cabasas, Cowbells etc (107)	030 TECHNO 2	More of the above! (16)
013 GUITARS	Acoustic, Electric & Distorted etc (41)	031 ROCK RHYTHMS	Various rock rhythms with effects (19)
014 BASS GUITARS	Slap, Picked, Fretless, FX etc (44)	032 WOODWIND	Flutes, Pan Pipes, Clarinets etc (19)
015 ANALOG BASS	Oberheim, Roland, Korg etc (22)	033 BRASS 2	Saxes, Trumpets, Brass Sections etc (15)
016 DIGITAL BASS	Yamaha DX, Roland,Korg etc (28)	034 PIANOS 2	Multi-Sampled, Soft, FX (17)
017 BRASS	Sections, Saxes, Trumpets etc (24)	035 STRINGS 2	Sections, Cellos, Pizzi, Hits, Violin (23)
018 SYNTH BRASS	Analog, Digital & L.A. etc (18)		

PRICES: 1-9 Disks £2.50 each, 10-19 Disks £2.00 each, 20 or more £1.75 each, The Complete Set £59.95 **P&P:** Add £1.00 (any size order). Cheques & P.O.s to: **WALKABOUT MUSIC, (Dept AF), TRENOVISSICK FARM, THE MOUNT, PAR, CORNWALL PL24 2DA. Tel: (0726) 813807**

HELPING HAND

Stumped, dazed and confused? Don't be. Send us a letter detailing your gaming woes and our resident greybeard and gaming grand master Rob Mead will do his utmost to help you out.

PREHISTORIC MONSTERS



Tim had had enough of killing dinosaurs so he turned his gun on the nosy professors instead.

Please help. I'm part way through *Jurassic Park* on the A1200 and I am up to the T.Rex. I've tried throwing the flares at T.Rex, then the last one into the pit with the oil drum, dozens of times, but I still run out of time and get eaten. Can you tell me the access code for the next level, so I can chicken out and escape uneaten?

V Landless, Preesall, Lancs

Once you've dropped the flare into the oil you have to find an ID card, then a door to rescue Tim and Lex. Finally head west and follow the signs to the Visitor's Centre to complete the level. The password for the next stage is 95B48B42.

NO SHOW RALLY

In a recent *AF* Coming Attractions section you said a game called *Network Q Rally* was going to out in November, then that it would be out in January, then February. Is it ever going to come out?

James Ariss, Melton Mowbray

Sadly, Europress Software have decided not to release Rally *on the Amiga following a number of seemingly insurmountable problems. Firstly, the game was considered too unwieldy to port over to the Amiga from the PC and then the developers ran out of money! Europress are looking for a third party developer, but the chances of the game appearing seem slim.*

CURSES, CURSES



If you want to get this far in *Curse of Enchantia*, you may need our help with the tape machine.

I'm stuck on *Curse of Enchantia*. I have managed to get to the section with the band that plays some music. I have found a cassette and placed it in the tape machine, but I can't get it out again so I can't give it to the nice chap with the ghetto blaster. Can you help?

Richard Marsh, Birchington, Kent

Easy! Find the pile of remote controls, pick one up, then perform a push/pull action on the remote control for the tape recorder to start recording. You can now remove the tape and give it to the hippy.

SCREENPLAY MYSTERY

I purchased the *Amiga Format Screenplay 2* book and looked through it until I came to a guide for my favourite adventure game *Cruise for a Corpse*. I loaded the game and started following the step-by-step guide. However, I found that after I had taken the thank you letter from the writing desk in Karaboundjan's office, the guide told me to go to the laundry room and examine the laundry basket before examining the necklace and photo.

I've examined all three laundry baskets and I can't see any sign of a necklace or photo. Is the guide correct and, if not, could you please help me to solve the murder?

J R Welburn, Morecambe, Lancs

Ah, there does indeed appear to be a bit missing from the Cruise *solution. You have to wander around the main deck area until you spot Rebecca and Tom on the upper deck. You can now return to the laundry room and examine the smallest basket to uncover a bathrobe containing the necklace. Inside the necklace is the photo.*

Remember you can go and talk to the mermaid at any time for a code if you get stuck.

ALL THIS AND LEMMINGS 2



"There's no business like snow business..." a polar lemming sings his way to work.

I'm stuck on two levels of *Lemmings 2*. Can you help me to solve them? They are: What's It Like Up There? and Flying the Mad Pursuit on the Classic Tribe.

Jonathan Warburton, Stockport

Flying the Mad Pursuit: make the third lemming build when he appears, then make the first two build, as well.

Now turn the second lemming into a blocker when he has placed four bricks. Make the first lemming bash through the blockage, then mine and dig.

Dig once the first lemming has fallen and build to stop him. When he's facing left, turn him into a climber. Use him to build a new bridge with the first brick on the four white pixels towards the left side of the platform he's on.

He should now climb up the steel. Turn him into a builder at the top to create a bridge over the pool, then make him dig twice to let in the other lemmings.

Finally, send two diggers to the top to free the blocker before letting the rest down.

To complete the What's It Like Up There? level, turn the first and second lemmings into climbers when they are facing left.

Make the first one bash right and the second build over the exit, then mine. Now make the first lemming bash as he passes above the gaps, then bash right.

Make the second lemming mine right, the first bash left, and the second bash again before he is halfway down. Make the first bash right, then left, then right.

Turn a lemming at the top into a floater (for easy targeting) and then dig while he's over the diggable bit. Finally, make the first lemming build up to the passage to the exit.

FOGGY NOTION



"Fog? What fog? It's a bleedin' blizzard out here, man. Good job I put on my thermal vest."

I'm having quite a lot of trouble getting pas the fog stage in *Lotus Turbo Challenge 2*. I can get very close to the finish, but I always run out of time. Can you help by giving me the passwords for the snow, desert and the city stages?

Darren R Tomlinson, Durham

The level passwords are: Snow – The Skids, Desert – Peaches and City – Liverpool. The passwords for the Marsh and Storm courses are Bagley and E Bow, respectively.

FACTORY FODDER



Just when you think you've finished a level, an enemy chopper kills your men.

I'm stuck on Phase Six of Mission 12 in *Cannon Fodder* where you have to kill the enemy, destroy the buildings and the factory. What should I do?

R Telford, Annan, Scotland

Move your team to the far side of the island then split them up. Go to the top and extreme right of the island and rocket the bunkers, then swim to the top one. Go clockwise around the factory and take out the two turrets to the east. At this point you get hassled by a helicopter. Just try to avoid the bombs it drops and wait for it to go away.

Shoot the nearby soldiers and get into the turret on the top of the factory. Blast the doors off each bunker, then off the factory. The doors are pretty sturdy, so you have to keep blasting them until they eventually fly off.

By now the enemy helicopter should be hovering around the bottom right of the island. To destroy it you need to get the chopper from the roof of the factory. You do this by putting three of your men on to the three pressure pads to the north, north east and south east. Your helicopter flies down to the fourth pad and you can use it to ram the enemy's chopper.

SEND US YOUR STUFF

If you are having trouble with a particular game or have a solution to a letter printed in the magazine, don't keep it to yourself – write it down and send it to us, and we'll do our best to print it. Send it to:

HELPING HAND
Amiga Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

Britain's best-selling magazine for hardcore Amiga enthusiasts

AMIGA SHOPPER

YOUR DEFINITIVE AMIGA GUIDE

From the makers of AMIGA FORMAT

FREE! 16 pages jam-packed with Amiga advice

WORDWORTH v3 EXPOSED

We compare the latest version with *Final Writer* in minute detail

NO PROBLEM!

Solutions to all of your Amiga hassles from our panel of experts

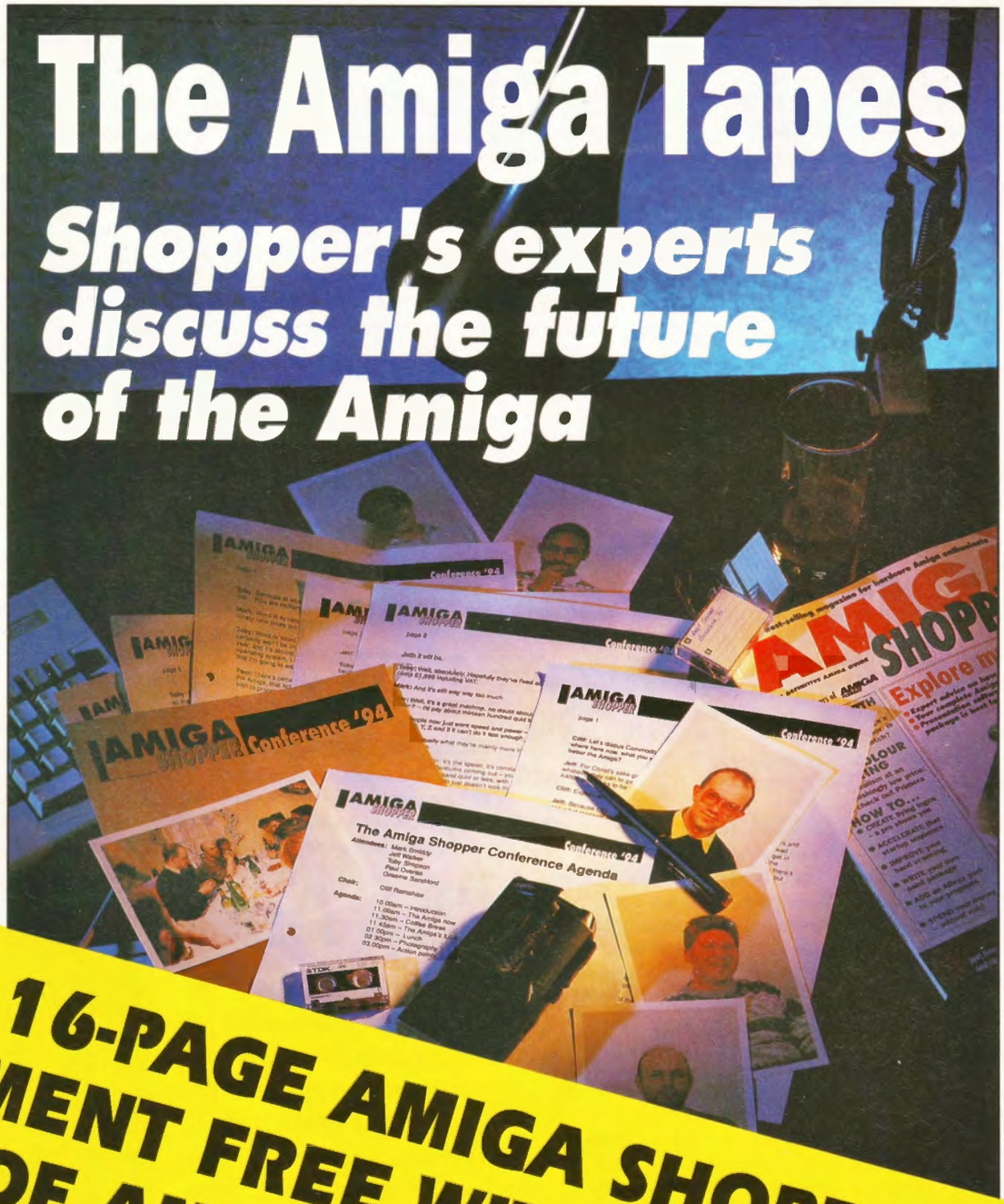
PERFECT PRINTS

How to set up your software to get the best printouts

PROGRAMMING

Write a spreadsheet ... professional in C

software o...



EXCLUSIVE 16-PAGE AMIGA SHOPPER SUPPLEMENT FREE WITH THIS ISSUE OF AMIGA FORMAT!

SPECIAL SUPPLEMENT ISSUE ● MAY 199...

PLUS

LEARN THE LANGUAGE OF THE PROS AND CREA...

FULLY WORKING SPREADSHEET ● GET YOUR SOFTWARE FO...

FREE WITH OUR GUIDE TO THE VERY BEST PD OF ALL TIME!

of value

Welcome...

AMIGA SHOPPER
SUPPLEMENT • 1994



Amiga Shopper's editor, Cliff Ramshaw, is a long-time Amiga fan who bought his first Amiga back when the A500 was originally released. His love of the machine and extensive technical knowledge ensure that Amiga Shopper is full to bursting with serious hard-core Amiga information every month.

Let me introduce you to this special *Amiga Shopper* supplement. I'll come clean and tell you now that the reason it's nestled here between the pages of *Amiga Format*, our sister magazine, is because we want to persuade you to buy the full issue.

I'm not saying that we're better than *Amiga Format*, rather that we're different. We don't deal with games – our brief is to cover all aspects of Amiga usage that don't involve games.

What this means is you get a magazine dedicated to helping you get the most out of your machine. A magazine that spends more time to give you more in-depth, definitive reviews, that lingers over those all-important technicalities. A magazine that gives regular coverage to the more esoteric aspects of computing such as programming. A magazine that provides detailed, informed analysis along with its news reports.

Being dedicated to serious Amiga usage means we can bring you articles every month to enhance your desktop publishing skills and show you how to use your Amiga to produce stunning artwork, animations and videos. It means we can devote more space to solving your Amiga-related problems than any other Amiga magazine. And the broad range of experts who write for us ensures that a solution to your problem – no matter how basic or complex it might be – *will* be found.

You'll find plenty of opinions in our pages – both from top industry figures and expert journalists. You'll also find interviews with those responsible for some of the most influential peripherals and software packages on the market.

As Amiga users, we're all part of a community. That's why in *Amiga Shopper* you'll find a listing of just about every user group in existence so you can meet like-minded people. We also offer a free reader ad service so you can buy and sell used kit as efficiently as possible.

If you're looking to buy new products, then with us you can't go wrong. As well as providing reliable, trenchant reviews, we supply you with a list, updated every month, of the very best software and hardware ever released for the Amiga, along with supplier information, the issue when it was reviewed and the score it got.

Naturally we also review and rate every major serious public domain release each month, and carry details of every known PD library.

There are lots of good reasons for buying *Amiga Shopper* – I could write about them all day, but the best thing I can do is show you what I mean. And that's where the next fifteen pages come in – they contain a small, quality selection of articles, the kind you can expect to see every month in *Amiga Shopper*. Read through them, and I think you'll agree that we take your Amiga as seriously as you do.

Amiga Shopper goes on sale the first Tuesday of every month for £2.50. The June issue, on sale now, includes a huge, eighteen-page feature on animation, including head-to-head reviews of *Aladdin 4D*, *Real 3D* and *LightRave*, and a guide to animation techniques with *Deluxe Paint*. Don't miss out.

Contents

WORDWORTH REVIEW 5
Digita's *Wordworth 3* has been awaited with eager anticipation for a long time now. Many people were expecting it to be one of, if not *the*, best Amiga package of all time. Sadly it has failed to live up to this accolade, as Jeff Walker discovers when he puts it to the test against Softwood's *Final Writer* in the kind of comparative, in-depth review you can expect from *Amiga Shopper*.

AMIGA ANSWERS 8
This is a tiny slice of the huge problem section you'll find every month in *Amiga Shopper*. In it we answer more reader queries than any other magazine. To give you the best service possible we employ a broad range of writers, each an acknowledged expert in his field. They'll provide a solution no matter what your problem, whether simple or advanced.

HOW TO... 10
Perfect your printing. *Amiga Shopper* wouldn't be the fact-packed thing it is without "How to" articles, helping you get the very best from your machine and its software. In this instance Jeff Walker explains how to set up your page formats in Workbench preferences and your word processing/DTP package to ensure you get the results you expect from your printer.

C PROGRAMMING 12
Programming is one of the best ways there is to have fun with your Amiga and learn more about it. We cover the subject every month in *Amiga Shopper*, dealing with AMOS, and ARexx as well as C. In this article Cliff Ramshaw shows you how to write your own spreadsheet application and supplies you with a fully working listing.

PUBLIC DOMAIN 14
With *Amiga Shopper* you get news of all the latest serious public domain and shareware as it's released. You'll be amazed at some of the tools and full-blown applications you can get for no more than the price of a disk and, in some cases, a small registration fee. Here we look at some of the best programs of all time.

SUBSCRIPTIONS 16
No doubt after having greedily digested all that's presented here, you'll be wanting to know how you can guarantee your fix of serious Amiga information every month. Turn to page 16 to find out how you can take out a subscription with an amazing money-saving offer, or reserve your copies at your local newsagent.

The Amiga Tapes

On 12 March we got the top Amiga journalists in the land to sit down together and talk about the current state and future of the Amiga. They had an awful lot to say – some surprising, some shocking. Now you can find out what the experts *really* think.



The Amiga Shopper conference – the Amiga's future debated

You'll find far-sighted, penetrating comment every month in Amiga Shopper, both from expert journalists and from the people who make the Amiga and its software. What follows is an extract from an Amiga Shopper conference on the future of the Amiga – the full text is in our latest issue, out now. Your chairman is Cliff Ramshaw...

Cliff: Let's discuss Commodore and the state of the Amiga. If David Pleasance were here now, what would you say to him? What should David Pleasance to do better the Amiga?

Jeff: For Christ's sake get some CD-ROM stuff out for the 1200 and the 4000 – do whatever they can to get it out. They've ditched the 1200 one, allegedly *[See the full report on Commodore's just-released CD-ROM drive for the A1200 in our full issue – ED]*, and the A4000 one looks to be coming at the end of this year! It's too late! CD-ROM is happening now. It's what people want to read about; it's what people want to use... and I think the Amiga users ought to get in on CD-ROM – Amiga 1200 owners, in particular, who are the mainstay of the Amiga market. It looks to them like they're being left out. From Commodore there's always "something coming along" – there has been for the last nine months, but there's nothing here – and we want it now.

Cliff: Why haven't Commodore done that? It does seem a fairly obvious step. There are rumours that limitations of the A1200's credit card slot make it physically impossible.

Jeff: I think it wasn't financially possible.

Toby: Yes, I would be inclined to agree, which means it's a downward spiral, because if you follow that through to its logical conclusion – you can't afford to develop the new kit means you're not keeping up anymore, which means less people are buying your current kit...

Mark: I want to see the prices dropped to a realistic level. The price of the 4000 is...

Toby: The 4000 is grossly over-priced, there's absolutely no doubt about it now – it's really quite pathetic. You can buy an '040-based Apple Mac with a monitor, CD-ROM drive, 120 meg hard drive, eight meg of RAM for sub-grand – at retail, for crying out loud!

They should be selling the 4000 with say a 120 meg hard drive, 6 meg of RAM and an '030 processor for 650 quid without a monitor, 700 quid tops. You should be able to get an '040-based Amiga 4000, including VAT, everything, with a monitor – you should be able to get that for well sub-grand – it's certainly not worth more. You can buy a 486 DX PC with you-name-whatever shoved in it, now for less than a thousand.

Jeff: One of the things that's keeping the price of the 4000 '040 up is that to get a decent price on '040 chips you must buy ten thousand of them and Commodore isn't going to buy ten thousand.

Toby: I think one of the problems is that the 4000 is perhaps unnecessarily complex to retain compatibility with the 3000. The '040 board inside a 4000 can actually plug into a 3000 – it's actually compatible. Perhaps it ought not to be – perhaps it ought to be designed into the motherboard so it was all a lot cheaper.

Jeff: It will be.

Toby: Well, absolutely. Hopefully they've fixed all these things for the 4000 T which supposedly will cost £1,999 including VAT.

Mark: And it's still way way too much.

Toby: Well, it's a great machine, no doubt about it. I'd love one, but I wouldn't pay that for it – I'd pay about thirteen hundred quid for it.

I think Commodore ought to address what markets they have left for the 4000 – as far as I can see it's probably only three – and actually make an effort to sell it into those markets. Otherwise they might as well discontinue the product.

> ***"For Christ's sake get some CD-ROM stuff out!"***

Cliff: And those three being?

Toby: As a box to put a Video Toaster in, that's pretty much I think the only market in the States; as a video and multimedia thing, because it's only just now that the other PC stuff are catching up – there's still software you can get on the Amiga which you can't do on the PC yet, properly; and as a logical upgrade path for the power home user who's already got an Amiga.

They really are the only three markets for the 4000 as far as I can see, and I can't remember the last time it was properly marketed in any way for video and presentation work. Again it falls back to the fact of: where's its CD-ROM drive? Nobody's really going to take it seriously till you've got a 4000 with a CD-ROM drive.

Cliff: Let's look at the 1200. Commodore really do seem to have a great opportunity, at the moment... I get the sense that people have a strong loyalty to Commodore and the Amiga.

Toby: They do, not that Commodore deserve it.

Cliff: But David Pleasance himself made exactly that point last week. He said that somehow, despite all the things that have happened at Commodore, and despite the financial problems that they've got, despite the money that they haven't got to advertise, people have still got a great sense of loyalty to Commodore. *Amiga Format*, for example, has just had a two hundred thousand-selling issue – now where are these people coming from?

Jeff: They're coming from the Amiga 600, which they were selling for £99 at Christmas. That's a whole new generation of computer users – not Amiga users – people who've never owned computers before. They've always wanted a computer, but they've looked at it and thought:



Toby Simpson is lead programmer for games developers Millennium Interactive. He writes regular programming features for Amiga Shopper and solves hordes of readers' problems. If he had the money, he says, his dream Amiga peripheral would be Commodore.

"I'm not paying that – I don't really understand it," but at £99, they'll give it a go. So you've got an awful lot of new computer users with an Amiga 600, one floppy drive, one megabyte of RAM. Maybe they've got the extra megabyte when they bought it, but they didn't buy a floppy drive.

Toby: And these are the people now that have Amigas. The trick is to keep them having Amigas. When they decide they like the computer, you want to stop them from buying a PC, you want them to buy a 1200, and to buy a 4000, something like that.

Cliff: If you've got used to running certain products



Jeff Walker is one of Amiga Shopper's consulting editors. Producing his own fanzine entirely with the Amiga, he has an unrivalled knowledge of word processors, desktop publishing and printing, and is frequently called on to demonstrate it.

– *Wordworth* or whatever – then you'll want to stay with that platform, won't you?

Toby: Well, no, because you'll take one look at Microsoft *Word* and you'll think: "Jesus!"

Cliff: But why do you say Microsoft *Word*?

Toby: Because at work, at school, or wherever it is that you go where people are... PCs are multiplying like rabbits.

Mark: *Word* is synonymous with word processing. If you see a word processor, ninety-nine times out of a hundred, it'll be *Word*, unless it's on a PCW.

Toby: *Word* or *Word Perfect* if it's on a PC, and if it isn't on a PC it'll be on a Mac. It certainly won't be on an Amiga. I'm probably getting a home machine later on this year, and it's almost certainly now going to be a PC. I don't like PCs – I hate the operating system – but it does run the software that I'm going to want to use. The Amiga doesn't.

I develop on the Amiga, and I develop because I love the operating environment; the Amiga has an absolutely beautiful operating system – it is just one of the best. If I use Windows, I just hate it – it drives me up the wall. If I use DOS, it drives me up the wall; the Apple Macintosh – it drives me up the wall because it's like it pampers you through everything, and you can't do anything advanced – you can't open up a Shell and take a directory, it doesn't multi-task properly...

Yea – the Amiga is just so wonderful. With it I can back up my hard disk at the same time as calling CIX – I frequently do this at the same time as doing other maintenance work on my hard drive – and I can be programming, and it's going to be perfectly stable and it's not going to crash. It's just perfectly reliable and it's brilliant.

Mark: Since Workbench 2 that's something which is very true – the multi-tasking really does work, and it works bloody well. It works so well you don't even know you're doing it.

Toby: It's state-of-the-art-operating system technology. The Amiga is one of the world's best kept secrets – it's as simple as that.

Jeff: The only people who use operating systems are programmers, the rest of us use programs...

Toby: But you see, what makes an operating system something that people use so that they don't really realise they're using it, is the software that runs under it... and the Amiga may have a really whizzy operating system, but if it doesn't have any decent applications to use under it, then it's all completely wasted. Perhaps Commodore could consider spending some money getting some decent "killer applications".

Cliff: Killer applications like what? Commodore aren't a software publisher.

Toby: No, but I think it's in their best interests to push people in the right direction, maybe with financing, maybe with proper assistance and developer support, to get some of these applications. For a start we really do need a proper word processor. By proper I mean you have to be able to put it next to *Word* and...

Mark: It's got to be word processing. The classic example is the Amstrad PCW. Amstrad sold a computer that was based on a word processor, and Commodore could do the same thing.

Toby: There is absolutely no word processor on the Amiga at the moment that stacks up next to *Word* without looking really silly – absolutely nothing – really not even close. You can do things with a document in *Word* that you can just dream of doing on the Amiga. You can't do it.

Cliff: But the Amiga is capable of this, surely?

Toby: Oh *God* yes! The Amiga could do it better. That's the thing – it's got such a beautiful operating system that these programs could be really cool.

Mark: Mind you but what it does lack is a stable graphics screen mode. It's not running something like Productivity mode because it's not being sold with a decent monitor. Most home users will only have at best a 1084S monitor.

Toby: This is where the AGA chipset is a bit of a crock, really, because with the 3000 you could plug a cheap hundred quid colour VGA monitor into the back – everything was flicker-fixed, no matter what mode you threw it in. It was all great and all perfectly stable, and the best thing was that it was a cheap monitor you needed. On the 4000, if you want to use the flicker-fixed modes you have to buy a multi-sync. It's not a case of "you could buy a VGA" – you can't, because you have to have a multi-sync because the bloody machine insists on having these low scan rate screen modes and it is mind-blowingly irritating, because these days a whole load of multi-sync manufacturers don't bother with the low syncs because they're old hat. So you have to start spending a lot of money to get a monitor that's really good for the 4000.

"the Amiga has a beautiful operating system – just one of the best."

The 4000 really could have benefited from a built-in, motherboard-based flicker-fixing device, so you didn't have to worry about all this double-PAL bollocks, and you could actually just select 640 by 512, 1280 by 512, 800 by whatever, and you'd get it – and it'd be flicker fixed, and it would go straight out on to an off-the-shelf SVGA monitor which is going to cost you absolutely nothing, and you might actually encourage some people to buy it.

Mark: See, the point is that PCs made their money, if you like, working on text, on text monitors, with word processors like your original *Word* for DOS and *Word Perfect*; then they all went to graphics-based monitors, with graphics text, but you couldn't tell the difference because the screen resolution was so high. Amiga word processors always use graphics text, but because of the low resolution monitor, which means a low resolution design, you always get these cramped looking characters.

Toby: Have you ever used an Amiga with a Picasso board in it? Without making it sound like a blatant advert for Picasso, because there are certainly other boards available, a friend of mine got one for just £299 from Blittersoft. It's really cool – he's got it plugged into his 4000 '040 and suddenly his Amiga is *transformed* – 800 by 600 screens for Workbench and applications, and suddenly it just looks so good. The fonts – everything just looks wonderful. It's got big, usable workspaces, and it's a joy to use. You sit there and you think: "Wow! Why hasn't it got this built in?" AGA is old hat – it was pretty much old hat when it came out, actually – it came out basically when VGA was old hat – everybody had SVGA modes and decent 256-colour big, swanky displays on PCs really cheaply. And it's just... it's amazing the difference the Picasso board can make.



Mark Smiddy is Amiga Shopper's other consulting editor. His specialism is in business software, but he also knows an awful lot about disks – both hard and floppy – and has a labyrinthine knowledge of AmigaDOS and the Shell.

Jeff: There is a negative side to that point – I've got Retina, and I use 1084 by 768 modes, and it's limited by the graphics memory. With multi-tasking, if you keep on opening screens, pretty soon you run out of graphics memory.

Toby: Well you've got two meg of graphics memory. But yea, if I was re-designing the Amiga chipset that'd be one of the things I'd change.

Jeff: With the next chipset we're looking at sixteen megabytes of Chip RAM.

Toby: Well, whatever the next chipset be. One wonders whether under the circumstances may be it might be a good idea to use a cheap, off-the-shelf SVGA chipset in the higher machines, to give you a decent operating mode.

Mark: There's no reason why they couldn't run one alongside the other; you could have both of them. You could have the one over the top of the other, coming out of the same video port, or even out of a different video port... at least actually have an accessible mode which mirrored the resolutions on modern PCs.

Jeff: I think we've got a massive gap between where the market is – the software and the hardware – and where the users are, the Amiga 1200 users. There's an enormous great chasm between what they'd love to be able to use, but simply cannot afford and what they've actually got. They can plug it all in, but there's no way they can afford it at five times as much as the machine.

Cliff: Just one final question: do you think Commodore will still be around in two years time?

– and we'll leave you there on that cliff-hanger (ho ho). If you want to find out what the experts really think, and get the full text to this no-holds-barred discussion about the Amiga's future, then check out the June issue of *Amiga Shopper*, which goes on sale Tuesday 3 May for £2.50. AS

Wordworth 3 takes on Final Writer

When Amiga Shopper reviews a product, you can be sure we'll test every aspect of it, offer extensive comparisons with competing products and give you a reliable and solid evaluation. Here's what Jeff Walker had to say about Wordworth 3. He's the man who reported many of its original bugs to Digita, and he'll be conducting our mammoth word processor round-up in our July issue.

Product: ***Wordworth 3***
Price: ***£149.99***
Supplier: ***Digita International Ltd.***

Very few Amiga applications have stirred up the interest and anticipation that *Wordworth 3* has. The *Wordworth 3* hype has completely overshadowed the release of *Final Writer* (reviewed in issue 34 with a 9/10 rating). We said that *Final Writer* was certainly the nearest thing we had on the Amiga to the mighty *Word for Windows*, and that greater things were anticipated from *Wordworth 3*. The *Wordworth 3* we previewed in issue 34 was what Digita told us *Wordworth 3* was going to do. The *Wordworth 3* I am reviewing here isn't a *review copy*. The importance of this fact will become self-evident.

MORE THAN JUST WORDS

Word processing these days is about handling graphics as well as text. Text features boil down to font support, editing facilities, and any extras that make editing easier or more powerful. Graphics features need to include support for importing and placing pictures, facilities for drawing elements like lines, boxes and borders, plus any extra design aids that help you produce professional-looking documents. Let's start with the basics.

Wordworth 3 comes on nine disks. Four of these are the Wordworth install disks, four more contain 50 Agfa Compugraphic fonts, and one is the *Digita Print Manager* program.

Unlike *Final Writer*, *Wordworth 3* does not require a hard drive. It does require at least two floppy drives, 2Mb of memory, and Workbench 2 or better. After spending five minutes installing *Wordworth 3* on to my hard drive, it was time to investigate the Install To Floppy option. To install *Wordworth* itself took 40 minutes and 20 disk swaps, and I ended up with seven program disks. The 50 fonts in the Reference Library install on to another six disks. *Digita Print Manager*, because it needs to add a fair number of files to your system disk, cannot be installed on to floppy. A floppy user has to use the standard Workbench drivers and live without the advanced drivers and enhanced printing features of *Digita Print Manager*.

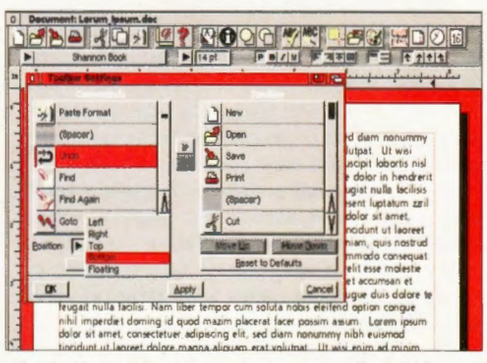
Something went wrong with the floppy installation which meant that *Wordworth* could not find a font that it wanted. It told me so, then said that I did not have enough memory and quitted itself. I've got 26Mb, plus another 50Mb of virtual memory, so it would seem that this error requester has ambitions in parliament.

Further investigation led me to believe that some important font files were missing from the *Wordworth 3*. I've spoken to Digita about this and they reckon they're able to fix it very quickly. (There were no problems installing to hard drive.)

Once *Wordworth 3* has opened, what you see depends on the sophistication of your system. In standard PAL:High Res mode (640 by 256) the graphical user interface looks pleasant enough, but it looks much better on a higher resolution screen like DBLPAL:High Res No Flicker. Fonts will look their best only when screen pixels are square – on a standard 640 by 256 screen they will appear on the screen twice as tall as they print. Of course the same is true of just about any Amiga program.

Wordworth 3, like *Final Writer*, opens in any screen mode supported, including Workbench itself, in any number of colours from 2 to 256.

Both programs sport toolbars, or button strips as they are more usually called, and both enable you to customise these button strips. *Final Writer* has 176 preset icons, any of which can be made to operate any menu command, any ARexx script, any text clip, or any string command (single ARexx command). *Wordworth 3* has 110 preset icons that operate 110 preset functions. *Wordworth*'s button strip can be positioned at the top, bottom, left or right of the screen, or in a floating window should you require more buttons than will fit down or across the screen. *Final Writer's* button strip runs across the top of the screen, and the latest version (Release 2) has a floating option putting them in a window that is draggable and also resizable. Up to eight button strips can be set in *Final Writer*, while *Wordworth 3* has just one, although different settings can be saved and loaded.



The button strip means that any or all of 110 preset functions are just one mouse click away. It can be placed anywhere around the edge.

Customising the button strips in either program is very easy. As well as the button strip, more word processing functions are provided on icons along the top of the screen in a tool strip. These are tools to change fonts and paragraph styles, although *Final Writer's* also contains some drawing tools (which *Wordworth* can put in its button strip). *Wordworth's* tool strip cannot be customised, and it is fixed at the top of the screen, but you may hide and reveal it. The tool strip in *Final Writer* is also fixed along the top of the screen, but in Release 2 it can also float in its own window.

As far as text editing features are concerned, both *Wordworth 3* and *Final Writer* cope very well indeed. Both enable you to drag the cursor to highlight a block of text, and both enable you to do the same thing by holding down the Shift key and using the arrow keys. Both enable you to select a word by double clicking on it, but in *Wordworth 3* you can also select a line of text by triple clicking. *Final Writer* has the arguably more useful feature of being able to Shift-click to mark any block of text – you double click the word at the start of the block, move the pointer to the end of the block, then click again holding the Shift key and everything in between gets selected.

Both programs support the standard Amiga keyboard short-cuts for cut, copy and paste, but while *Final Writer* uses the standard Amiga clipboard device, *Wordworth 3* maintains its own private clipboard and therefore cannot share cut or copy data with other programs.

Possibly the most important text feature of any word processor is how it handles fonts. *Wordworth 3* supports Agfa Compugraphic Intellifonts of both the Workbench and Gold Disk kind, PostScript Type 1 fonts, and TrueType fonts, all of which are scalable. Standard Amiga bitmapped fonts can also be used, as can a number of fonts built into printers. But the flexibility of scalable fonts is what

most users want, and *Wordworth 3* comes with 50-odd Agfa Intellifonts, which comprises 19 different typefaces, the rest being different styles of those typefaces, plus a couple of symbols fonts. *Final Writer* also supports Agfa Intellifont and PostScript Type 1, and instead of TrueType it supports NimbusQ. It comes with 125 NimbusQ fonts which are actually 26 different typefaces in several styles, plus 21 decorative typefaces..

How do they handle the fonts? *Wordworth 3* has a simple font requester in which you choose the font, its size, colour, background colour and style, its tracking, and if it is an Agfa Intellifont you may also switch kerning on and off. A useful preview of the font is displayed in the requester, and when you hit OK the options you have selected are applied to whatever text is highlighted.

If you do a lot of document formatting, you require text styles, or style sheets as they are also called. These enable you to give a custom name to a style of text and then specify all the attributes for that style. Two important aspects of style sheets are that you cannot forget what style should be applied to a particular piece of text, and it enables you to apply many style attributes at a single stroke, and to globally adjust those attributes.

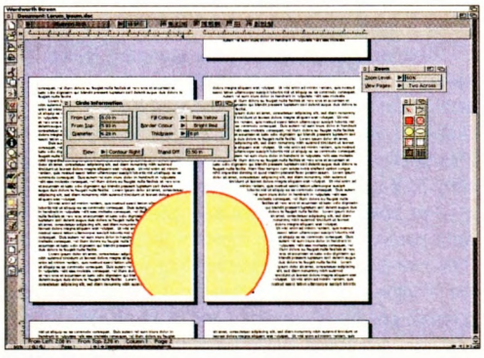
Final Writer has really superb support for style sheets, better even than dedicated desktop publishers. Styles can be assigned to function keys for ultra quick application, and Release 2 of *Final Writer* supports a floating style palette containing a list of all your styles, making selection ultra easy. The nearest *Wordworth 3* gets to style sheets is a find and replace feature that can replace one font in one size with another font in another size.

FORMATTING

Both *Final Writer* and *Wordworth 3* are paragraph-based, which means that changes made to the ruler, indents, tabs, margins, etc, are applied to the current paragraph. This system is extended so that highlighted blocks of text can also be formatted either by the ruler line or by selecting options in a paragraph format requester.

Wordworth 3 contains a nasty little bug that reveals itself only when more than one paragraph is highlighted and you select the Format Paragraph requester. Every gadget has the word "Mixed" next to it, indicating that there are many different formats involved. But if you select OK from this requester, suddenly *all* your text disappears from the screen. As it happens it is still there, and the previously highlighted paragraphs are still highlighted, so all you have to do is immediately go back to the Format Paragraph requester and enter a proper line spacing measurement.

It is even-stevens between the two with paragraph formatting options, but *Final Writer* has one feature that makes *Wordworth 3* look ordinary



This circle has been positioned over a spread using Wordworth 3's Double Page Spread feature.

– Sections. When you are producing a large document it almost certainly will have many sections – in effect, separate documents. Each can have its own document format settings, different headers and footers, different page numbering, different margins, different number of columns, and so on. Although the entire document is in memory, you work on just one section at a time, the others being a quick menu-pick away, and you can create as many sections as you like, inserting them anywhere you like in the document.

Captioning tables, diagrams and illustrations has always been a problem in Amiga word processors. Really these need to be separate elements so that you can position them freely. Both *Wordworth 3* and *Final Writer* have implemented something called text boxes, although each works differently. *Final Writer's* text boxes can contain up to 37 characters in one line of text. This gets placed on the page in the selected font and style, and means you can move it, resize and rotate it any way you want. *Wordworth 3's* text boxes can be any size with as much text as you like, and the contents are freely editable and reformatable at any time.

Wordworth 3's greatest selling point is its TextEffects feature. It's a similar concept to *Final Writer's* text box, only much more powerful. Text can be resized by dragging the handles of the box, and features in the TextEffects requester enable you to rotate it, add shadows, and so on. You can also combine the effects provided.

GRAPHICS

Wordworth 3 will import any 2-256 colour IFF-ILBM, plus HAM and HAM-8, but not IFF24 (24-bit true colour graphics). It also supports BMP, PCX, TIFF, IMG and GIF bitmapped graphics. *Final Writer's* bitmapped graphics support is limited to just IFF-ILBM, although that does include IFF24.

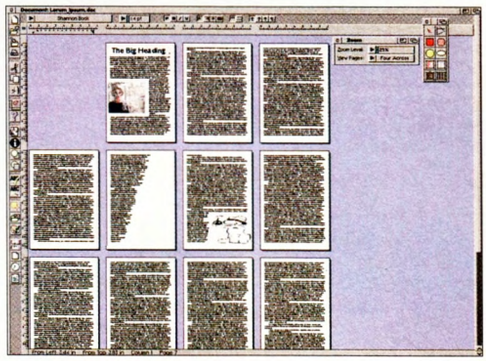
Vector or structured graphics are also supported by both programs. *Final Writer* supports Encapsulated PostScript (EPS), which is still the standard vector graphics format for DTP, and it can display these or a bitmapped preview on the screen. Although they are PostScript graphics, they may be output to non-PostScript printers.

Wordworth does not support EPS, nor any other vector graphics format that any Amiga program can produce. *Wordworth* supports an Atari ST format called GEM and a PC format called CMG (Freelance Metafile format). *Wordworth 3* is a modular program, so it is perfectly feasible for Digita to add support for EPS or any other format in the future.

Both programs will display graphics in as many colours as you have specified for the their screen, and both will print the original version of the graphic rather than the screen version..

Final Writer enables you to put a border around an imported graphic, in any colour, in a range of weights from a hairline to 12 points (1/6th of an inch). *Wordworth 3* cannot do this. You would have to draw a transparent box exactly over the top of the graphic. Both enable you to position and size graphics by screen coordinates and actual measurements, both enable you to resize a graphic while preserving its aspect ratio. *Final Writer* has a neat feature that will halve a graphic's size if you double click on it while holding down the Shift key.

Alas, *Final Writer*, being of US origin, assumes an NTSC pixel aspect ratio for bitmapped graphics, which means that graphics created on PAL systems will always import a little elongated. Correcting the aspect ratio needs to be done by hand. *Wordworth 3* imports bitmapped graphics at a 1:1 pixel aspect



Zooming out from a large document and switching Four Across mode on will enable you to quickly position graphics and make rough design changes while keeping an overview of the document.

ratio. *Final Writer* has a Snap to Grid feature and *Wordworth* doesn't.

Both programs have drawing tools that enable you to add plain lines, arrowheaded lines, rectangles with sharp or rounded corners, and ellipses. *Wordworth 3* can draw short, long and normal arrowheads, plus arrow tails and a few other end of line gadgets. *Final Writer* has just the one arrowhead style. *Wordworth 3* can draw lines in dotted and dashed styles, *Final Writer* can draw only solid lines.

All graphics in *Final Writer* can be cut, copied and pasted to and from the standard Amiga clipboard, meaning you can copy a brush to the clipboard in, say, *Deluxe Paint*, and then paste it into your *Final Writer* document without having to save or load anything. *Wordworth* can duplicate only vector graphics and anything drawn within *Wordworth* itself, but it uses its own private clipboard. While testing *Wordworth 3*, on several occasions while mucking about with vector graphics, a picture frame on the page with a bitmapped graphic suddenly and inexplicably emptied, forcing me to import the graphic again.

Bitmaps in *Wordworth* cannot be moved with the mouse from one page to another, as all elements can be in *Final Writer*, although vector graphics and elements drawn in *Wordworth* can be. *Wordworth* will enable you to work on up to four pages side by side, as opposed to one under the other, which is the only way *Final Writer* presents them to you. *Wordworth* also has a double page spread feature enabling you to position an element over the central gutter of two facing pages.

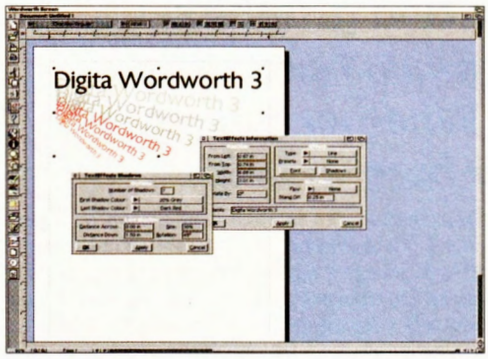
Both programs are able to crop graphics, and both can either save imported graphics within a document or save just the link to the graphics file, which makes for smaller document file sizes. *Wordworth 3* can save a hot link to an imported graphic. I couldn't get it to work.

Both programs can flow text around vector or bitmapped graphics, straight or contoured into the areas of the graphic that use colour 0, which is made transparent. *Wordworth 3's* runaround sometimes pushes text into the right-hand margin, and sometimes tries to put text between a graphic and the left-hand margin when there is no space available for it. At other times it doesn't recognise the bottom of a graphic correctly, and obscures the tops of characters beneath. Depth arrangement is supported by both programs, enabling any element to be sent to the back or to the front. *Wordworth 3* has a Move Forward option that brings an element forward one level.

One of the more advanced *Wordworth 3* drawing tools is the one for creating tables. As well as being able to move the finished table around

with the text and numbers in it intact, you can also perform simple calculations on rows and columns and have the result automatically entered into the table. You have complete control over the size of the grid, and the size of the cells in the grid. After entering a value in a cell, pressing the Tab key moves you to the cell to the right, or to the beginning of the next row if you are at the end of a row. Pressing Return in a cell makes the cell deeper, entering more text than will fit in the width of a cell will cause the cell to become one line deeper and the text will automatically wrap to fill that space.

If you regularly require information to be presented like this, *Wordworth 3's* Tables tool will be a massive time saver for you. But what a pity you cannot save tables, nor import data into them! No graphic element in *Wordworth* can be moved or copied out of a document window, so there's no chance of pinching standard tables for a fresh document from an existing document. Why don't program designers think these things through?



The TextEffects feature is what Digita think will sell Wordworth 3, but is just an eye-catching gimmick that is of very little practical use.

PRINTING

Wordworth 3's printing facilities remain pretty much unchanged from version 2, although the requesters have been reorganised to make them much easier to use. In the Normal print mode, where the font or fonts that are on the screen are used, graphics may be mixed with the text. In Printer Font mode the fonts inside your printer are used, provided *Wordworth* has bitmapped screen versions of them, and no graphics can be included in the document. *Final Writer* can only print a quick draft printout using a printer's built-in fonts.

Printout speeds differ according to the speed of your Amiga, according to the speed of your printer, and according to what you are printing. *Wordworth* prints text-only documents in Normal mode and in black and white in about 15 per cent less time than it takes *Final Writer* to do the same thing. Put a picture in the document and print in greyscale or colour mode, and *Final Writer* will print it in about 30 per cent less time than it takes *Wordworth*. Because they are essentially printing one massive A4-sized bitmapped graphic, either program will take minutes rather than seconds to spit out pages. But that's graphics printing for you, it is the same on all computers, not just the Amiga.

Quality-wise, Normal text printouts from *Wordworth 3* and *Final Writer* are indistinguishable from each other. Both are extremely good quality. Studying several printouts of coloured and greyscale graphics, *Final Writer's* appear to have more shades and a less contoured appearance than pictures printed with *Wordworth 3*; but *Digita Print Manager* will enable you to enhance *Wordworth's* graphical output to a level far superior to that possible with *Final Writer* using the Workbench drivers and preferences programs. *Digita Print Manager* will install only to hard drive.

PostScript printing mode has not yet been implemented in *Wordworth 3*, despite the fact that it is fully documented in the manual. When this part is finished you will be able to print PostScript in greyscales only, using only those fonts from the "classic 35" that are inside your PostScript printer – no downloadable fonts in other words. There will be no control over screen density, no control over the PostScript page size (although horizontal and vertical offsets are supported), and no crop or registration marks. Page scaling and rotation will be supported, and it will not be able to print thumbnails. When PostScript printing is implemented for *Wordworth 3*, it will hardly be worth having. *Final Writer's* PostScript features are certainly not extensive when compared to a professional publishing program, but at least colour, screen densities and angles, and downloadable fonts are supported.

GROUNDS FOR COMPLAINT

I am not at all happy with the unfinished state of *Wordworth 3*. Apart from the several frustrating little bugs mentioned earlier, *Wordworth 3* uses chip (graphics) memory like it is going out of fashion. There's nothing particularly unusual about this, but when *Wordworth 3* gets short of chip memory it has a bad habit of either making strange things happen on the screen, or in printouts, or it simply freezes or crashes the Amiga.

If *Wordworth 3* was an electric kettle, then what we've got here is definitely the flashiest looking kettle in the shop – it is the kettle with the most interesting looking buttons on it, the kettle that wouldn't look out of place on the mantelpiece, the kettle that claims it can pull out the tea bag, spoon in the sugar and then give it a stir, plus boil an egg at the same time. But this kettle has some flaws. One flaw is that it keeps cutting out before the water has reached boiling point. What is shocking is that the manufacturer knew that the flaws existed, but because they promised everybody it would be ready by a certain date, they shipped the kettle anyway, flaws and all.

If you bought this kettle you would take it back and ask for a full refund, to which you would be entitled because the kettle is of unmerchantable quality. A kettle is supposed to boil water. If the manufacturer asked you to hang on to it and said that they, on some unknown future date will eventually send you a kettle that does boil water, you would probably laugh at them. If they then refused to refund your money you would probably contact The Office of Fair Trading.

Wordworth 3's job it to process words and it can process words. So, in the eyes of the law, it is of merchantable quality. If you buy *Wordworth 3* and find you are unhappy with the number of bugs it contains, you will probably have a very difficult job getting your money back. If, after buying it, you are prepared to wait, I'm sure you will eventually receive a less buggy version, probably sooner than later, but of course there are no guarantees. In the meantime, as the manual informs you, if you have any problems you can always get Digita Technical Support to help.

I really wanted to say nice things about *Wordworth 3*, but it has been released too early. Crashes I don't like, but I can live with them if I know what to avoid doing. The bugs that affect the layout of a document I cannot live with because it means that minutes or hours of work may have to be done again. Bugs apart, among other things *Wordworth 3* lacks style sheets, it lacks proper master pages, it doesn't take advantage of the Amiga's clipboard, nor Workbench 3 DataTypes, nor ARexx, it has poor PostScript support, it cannot import structured drawings that have been created by any Amiga structured drawing program. Sorry, Digita, you blew it. And I guess that's me struck off the Christmas card list.

An updated and bug-fixed version of *Wordworth 3* should be out by the time you read this. Version 2 of *Final Writer* will also have been officially released. We'll be putting both of them to the test, along with every other Amiga word processor commercially available and the best of those from the public domain, in our July issue.

If you're thinking of buying a word processor, you can't afford to miss this. It goes on sale Tuesday 7th June for £2.50. AS



WHAT
Wordworth 3
WHO
Digita International Ltd
WHERE
Black Horse House, Exmouth EX8 1JL.
☎ 0395 270273

CHECKOUT
WORDWORTH 3

Ease of Use **63%**
In this unfinished state it is difficult to use because some basic features don't always do what they are supposed to do.

Output **89%**
HAM and 256-colour pictures do not print quite as well, nor quite as quickly, as they do from *Final Writer*, but *Wordworth 3's* text output is just as superb. Alas there is no PostScript support yet, and, judging by the manual, when it arrives it will be poor compared with *Final Writer's* PostScript facilities.

Performance **71%**
Printing speed has been improved, but *Wordworth* is still slower than most rival packages at printing documents that have graphics in them. Screen refresh is disappointingly slow when word processing in eight or more colours, even on a 4000/040.

Documentation **89%**
A well written, well-produced, 330-page, perfect-bound manual. But considering *Wordworth's* high price I would have expected it to be spiral-bound so that it could be opened flat in order to follow the step-by-step tutorials.

Facilities **82%**
A fair number of new features that, in theory, should enable you to produce better documents more quickly. However I was particularly disappointed that style sheets have not been implemented and that picture frames cannot have borders.

Value for Money **48%**
Releasing a product that costs this much in an unfinished state is one of the nastiest things a company can do to its customers.

Overall rating **65%**
It's only half finished. When the bugs are fixed it may well score better.

NO PROBLEM!



Your host, Graeme Sandiford – it's his job to coordinate the vast number of queries we get sent each month, to ensure that they each go to the right expert, and to help put the solutions in as wide context as possible so that as many people as possible can benefit.

Amiga Answers is the most popular part of Amiga Shopper, and justifiably so – here we devote more space to solving far more genuine reader problems than any other magazine. To do so we draw on the knowledge of experts in the fields of DTP, business software, video and graphics, programming, music, comms, hard drives, accelerators, memory... Whether you're a beginner or a pro, we're here to help.

FAST AND CHIP RAM



What is the difference between Fast and Chip memory? Is it true all of the memory in my unexpanded A1200 is Chip memory?

Derek Dawson
East Cheam, London

There is no real, physical difference between Fast and Chip memory, but rather in the way the Amiga makes use of them. Chip memory is found in all Amigas. It gets its name because the Amiga's custom chips – those that handle graphics and sound, for instance – have access to it.

This memory is also shared with the Central Processor or CPU – the 68020 chip that executes instructions given it by a program – and this sharing can cause arguments if two chips attempt to access the same memory at the same time. This is known as a "bus contention". In this case, the custom chips take priority and the Central Processor is forced to wait. This therefore means that a program running in Chip RAM will tend to run more slowly.

The custom chips always take priority over the CPU; but Fast RAM, on the other hand, can only be accessed by the CPU, and since it does not have to wait for something else first, the CPU works faster – hence the name Fast RAM.

All of an unexpanded A1200's 2Mb of memory are Chip RAM, but this is the limit of memory that can be accessed by the custom chips. Any further memory that you add will be Fast RAM. I recommend you do, because you'll immediately notice an increase in your machine's speed.

Mark Smiddy

JARGON BUSTING

Blitter – a feature of the Amiga's custom chips, the blitter can be used to move and alter large areas of data in memory. It's commonly used to create animations.

BOB – a Blitter Object is a graphical shape that is moved by the blitter into the area of memory used to make up the screen display.

RAM – Random Access Memory is the area of memory used to hold programs while they are running. It also holds data used by these programs, which can include things like graphics and sound samples. The contents of RAM are erased when the power is switched off.

Script – an AmigaDOS script is a collection of simple AmigaDOS commands stored together in an ordinary text file. If the file name follows an **Execute** command, then each of the commands it contains is executed in turn by AmigaDOS.

MEMORY FOR ANIMS



I've generated 182 frames with *Vista Pro 2* of the grand Canyon, and have stored them on ten disks (named pic00000 – pic00181) but when I load them into RAM (I have 10Mb), run *Deluxe Paint IV* and then try to load all the images into it to make an animation, I run out of memory. Can you help?

G Mathieson
Bangor

The obvious trouble here is that there isn't enough RAM to contain all the images, load *DPaint* and also store the animation that *DPaint* is attempting to build.

There are several solutions. The most tedious is to keep deleting the original frames by hand from RAM (after they have been incorporated into the new anim) by using the Shell or a disk-management program like *Directory Opus*.

A simpler but even more boring method would be to not use the RAM at all, but to set up a 182-frame animation in *DPaint IV* and then load the frames one by one from disk, moving along a frame each time.

A better method would be to load all the frames from one disk, save the resulting animation to RAM disk (say, as ANIM1), load all the frames from the second disk (save as ANIM2) and so on. Then load the first animation, append the second, third and so on until you are done. For this to be successful you must have had the palette locked when you generated the original images.

However, a much better alternative would be to get hold of a public domain program called *Rend24*, which can be used to construct animations and can also delete frames after they have been used, thus freeing up memory as it goes along. The animations it makes are compatible with *DPaint*, though it has its own anim-player built in. You could even use *Rend24* to rescale your images and lock their palettes before adding the frames to the animation.

Beware of *Rend24 v1.05* – when I was using it with 320x256 images (both HAM and 32 colour) it just kept crashing on me. Version 1.04f works fine.

Gary Whiteley

HARD DRIVE CONTROLLER



I have just bought a hard disk for my new A1200. It is a Conner 84Mb. I have partitioned the disk into two 40Mb partitions using *HDToolBox* from my old Workbench 2.04 system. The program recognised my disk as a Conner drive of the right size, but decided that it was a SCSI device. Will this cause me problems, or do IDE and SCSI devices appear the same to Workbench programs?

My partitions have been identified as CDH0: and CDH1:, and not as dh0: and dh1: as I would have expected. I have assigned dh0: to CDH0: to get around this and allow software which insists on dh0: to run. Are hard disks identified as CDHx: under Workbench 3.0? Or is this a problem with using an older version of *HDToolbox*?

I have installed *TransWrite* on to my hard disk, but whenever I run it from there the machine crashes. If I run it from floppy or from RAM: it runs fine. I have a script that copies it from the hard disk to RAM and runs it from there. This works fine, but why?

Dave Walker,
Southsea, Hants.

Your guess is right. Workbench sees IDE and SCSI as the same. Commodore made everything simpler by making the SCSCI.device handlers understand IDE drives, too. This has ensured that more software runs correctly.

As to the CDH0: business, we've moved into the 20th century here. You can call it anything you like – DH0:, HARDDISK0:, ZINGPING, or whatever you wish.

In *HDToolbox* there is a small string gadget at the centre bottom, which contains the device

name. You can click in here and change the name to dh0: if you wish. I personally find that it is more sensible to give it a meaningful name, like "Programs:", "Work:" or perhaps "Comms:" for example.

Your problems with *TransWrite* could be due to one of two things (assuming you have installed it correctly – check with your manual). One, the program is somehow not hard disk compatible. Or two, there are some incompatibility problems with Conner drives.

The problem is that the IDE interface in your A1200 is blindingly quick, much faster than those in portable PCs, which is where Conner drives nearly always find their way. The drive simple cannot handle that amount of information moving around so quickly, and this sort of behaviour manifests itself with large files and programs. Use *HDToolbox* to lower the MaxTransfer rate to 0x1fe00 – which will reduce the transfer rate of information – and your problem should be solved.

Toby Simpson

DOUBLE-BUFFERED SCREEN



I have written a game in assembly language, but it suffers from screen flicker. I wait for a vertical blanking gap, and then clear the screen with the blitter, before blitting all of my game sprites to the screen. When I use more than a few BOBs, I get serious flicker. I don't know how to solve this, though I've heard "double buffering" might help me. Could you explain what this is?

Mark Ball
Crawley, W. Sussex

Double buffering is a simple concept employed in most computer games, especially on the Amiga, to ensure you don't get screen flicker.

The reason your screen is flickering is because you are unable to draw all of your sprites fast enough to fit in the vertical blanking gap, and the custom chips are drawing the next frame whilst you are still blitting to it.

Double buffering, in its simplest form, involves you having *two* screens, a hidden one, and a visible one. Basically, you draw on the hidden one, and when you've drawn everything you need to, simply swap the two banks and start drawing on the new hidden screen. This way you can take as long as you like to draw your new frame without having to worry about flicker.

Watch out, however, that your program doesn't run "as fast as it can": install some code to make sure if it's running on a particularly fast Amiga it doesn't swap the banks too quickly. Try playing *Interceptor* on a 25MHz 68030 and you'll see what I mean – it's like trying to land the plane on a postage stamp.

Toby Simpson

BACWARDS SCRIPT SKIPS



Why is it that the AmigaDOS command "Skip", when used to jump backwards over an "Execute" instruction, fails?

Gary Smith
Watford

For every file that it runs, Execute creates a temporary parsed file in the T: assignment (a temporary directory usually held on the RAM disk). The file is called Command-XX-YY where YY is the calling process number and XX is the nesting level. The nesting level is not used, and consequently the old parsed file – created when your script is run – is overwritten by the new one created by the Execute command in the script.

For example, the script:

```
LAB Start
EXECUTE An-Other
SKIP Start BACK
```

will create Command-00-001 in T: as it starts. When the second line is reached, Execute creates a copy of An-Other as T:Command-00-01 thus overwriting the previous file, so that when line three is reached, the label referred to cannot be found in the parsed file.

The solution is to run the second script as a child process which will ensure that the name conflict does not arise:

```
LAB Start
ECHO >T:Process "<$$>"
RUN EXECUTE An-Other
WAIT >NIL: 5 MINS
SKIP Start BACK
```

The second line creates a temporary variable containing the process number. Remember, unless this is a startup script it is not possible to guarantee which process is executing the program.

The fourth line ensures the script does not continue until An-Other has completed.

The actual amount of delay is arbitrary, but it must be sufficient to prevent the first script from continuing before the second one completes. The last line of An-Other (or the last instruction executed before it completes) should read like this:

```
BREAK <T:Process >NIL: C ?
```

This instruction "breaks" the wait state entered at line four of the main script.

Mark Smiddy

CG FONT STANDARDS



I have upgraded to an Amiga 1500 Plus with GVP hard drive and 5Mb of memory. I own version 1.1 of *PageSetter II*.

The only outline font that comes with *PageSetter II* is CGTimes, so I would like to use the LetterGothic and CGTriumvirate outline fonts supplied with Workbench 2.04 as they give superior output to bit-mapped fonts.

I am having trouble installing these, though. *PageSetter II* does not seem to recognise them; the file formats seem different. Can you help?

Edward Campton
Scraptoft, Leicester

Like most so-called standards, AGFA's Compugraphic standard has a few variations.

The standard that *PageSetter II* adopts requires three files to be present in your CGFonts: directory – "fontname.atc" (the encoding table), "fontname.metric" (the spacing information) and "fontname.lib" (the font definition). Funnily enough, it would appear that the font definition file also has the encoding table and spacing information in it – it's just that *PageSetter II* prefers them to be in separate files.

The standard that Workbench 2.04 uses has just the one file, "fontname.type" in the "FONTS:_Bullet_Outlines" directory, which is exactly the same format as the "fontname.lib" files that *PageSetter II* uses. The difference is that Workbench would appear to be extracting the encoding table and spacing information from this one file.

So to be able to use *PageSetter II* with the Compugraphic fonts supplied with Workbench 2.04 you would need to be able to generate a "fontname.lib", "fontname.atc" and "fontname.metric" file from the Workbench "fontname.type" file. Theoretically speaking, that is, because there isn't currently a program that can do this.

For more Compugraphic typefaces that can be used with *PageSetter II* you should contact either George Thompson Services (☎ 0707 664654) or EM Computergraphic (☎ 0255 431389) and ask for details of their shareware and PD Compugraphic typefaces.

Jeff Walker

PRINT MANAGER ROOM



Please help me make room on my Workbench 3 disk so that I can install *Citizen Print Manager* to use with my Swift 9. It needs 240K of disk space, and the best I can do is make 130K available by binning the Utilities drawer.

Clive Cook,
London W7

The *PMInstall* program installs a number of files you don't require – all the printer drivers that are not for the Swift 9, and the language files that are not English.

The thing to do is to use *PMInstall* to first install the program to the RAM disk. So specify RAM: when it asks where to install to. When it's finished installing, follow these steps:

- Open the RAM disk icon.
- Open the CITIZENPM drawer that's in the RAM disk.
- Select Show/All Files from the Workbench Windows menu.
- Open the PM drawer that appears.
- Delete all the files in the PM drawer except for those name tco, tde, tt0 and tt1.
- Close the PM drawer.
- Open the Printers drawer.
- Delete all the files in the Printers drawer except for the Swift9.m file.
- Close the Printers drawer.
- Drag the CITIZENPM drawer on to your Workbench 3.0 disk, the one from which you have already delete the Utilities drawer.

I think you'll find it fits – just!

Jeff Walker

This is is just a small sample of the sort of solutions we provide every month in *Amiga Shopper*. If something isn't going right with your Amiga computing – and let's face it, we all encounter problems – then you ought to consult *Amiga Shopper*. We'll sort it out. AS

JARGON BUSTING

Outline Font – each character in an outline font is defined as a collection of mathematical curves and lines, rather than as a matrix of dots. This means that when the font comes to be used at differing sizes, it is always displayed at the best possible resolution without any jagged edges.

Partition – it is possible to divide a hard disk into several "partitions". So far as your software and AmigaDOS are concerned, these partitions behave as if they are physically separate drives.

RAM Disk – an area of RAM set aside to be used as a "pretend" disk drive. Because accesses to RAM are so much faster than to an external device, the performance of a RAM disk is many times faster than that of a hard disk. Remember though that the contents of the RAM disk are lost after a reset.

How to perfect your printing

Every month Amiga Shopper carries a fantastic wealth of interesting, informative articles showing you how to get the very best from your hardware and software. Here's Jeff Walker demonstrating how you can ensure your pages print out exactly as you see them on-screen.

Are your printouts always positioned wrongly? Do you set a half-inch top margin and end up with three-quarters? When you print multiple pages does the text creep further and further down each page? Do you get blank pages fed through between each printed page?

We get more letters about these problems than anything else. They're caused by poorly set up page sizes. Here we'll tell you all there is to know about setting up page sizes and margins correctly in word processors and desktop publishing software. We'll be concentrating on two popular word publishers and two popular DTP packages, *Wordworth*, *Final Writer*, *Professional Page* and *PageStream*, but the principles apply to *all* Amiga software. The confusion stems from the fact that every program does it differently, and uses different terms to mean the same thing.

The main confusion is between the terms "paper size" and "page size". Although they are not the same thing, a lot of software and documentation use the terms interchangeably. Your "paper size" is the physical dimensions of the piece of paper you are printing on to. So A4 paper is 210mm wide by 297mm high. Your "page size" is the dimensions of the area of paper that your printer is capable of printing on to. You will have discovered that your printer has "hardware margins" – areas of the paper that it cannot print on to because of hardware restrictions. Feed any size of paper into an average printer and it will start printing a small distance down from the top of the paper and a small distance in from the left. Less obvious are the small "non-printable" areas on the right-hand side and bottom of the paper.

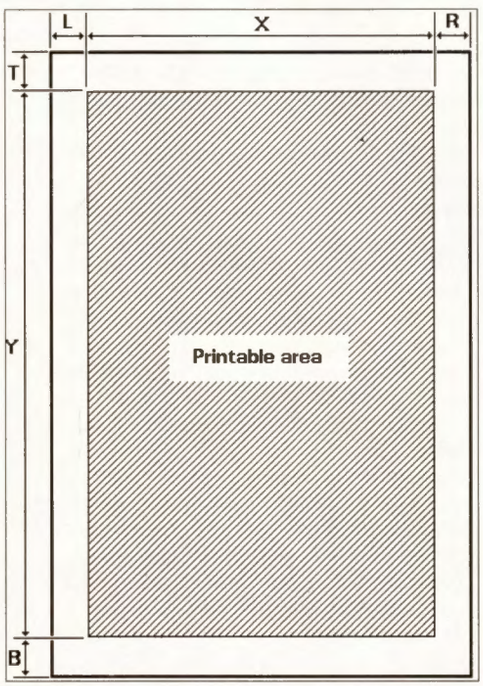


FIGURE 1 Look in your printer manual for a diagram like this – it is the key to setting up page sizes correctly.

Take a look at Figure 1. It gives a generalised view, with the hardware margins exaggerated for clarity. The shaded area in the centre is the "printable area" – your page size in other words; the white bits round the edges are the parts of the paper the printer cannot get at. Many printer manuals contain a diagram similar to this, and distances for a range of paper sizes will be given for the margins marked L, R, T and B, plus the dimensions of the printable area (X,Y). They will vary for different sizes of paper because of the way the paper is positioned ready for feeding, and the way the printer mechanism feeds paper in and out.

Dimensions are normally given in millimetres, often with the equivalent in inches. Sometimes, particularly with laser printers, the dimensions are given in "dots" of the printer's highest resolution. For example, a 300 dots-per-inch (dpi) laser printer may have a top margin of 48 dots for A4 paper. To convert this for use with a software package, divide it by the resolution, which gives the distance in inches – 48/300 dpi equals 0.16 inches.

Before you can set up page sizes and margins correctly for any software, you first have to find out the dimensions of your printer's printable area and its hardware margins. If these details are not in your printer manual you have two options: phone the manufacturer of the printer and ask, or find out for yourself by trial and error. By far the easiest trial and error method is to set up your software's page size to be the same as your paper size, with zero margins – select A4 page size if you are using A4 paper for example – and then completely fill that area with something to print. In DTP software plonk an A4-sized filled box on the page; in word processor software import a graphic and size it so that it fills the entire A4 area. Print the page, letting the paper feed into the printer automatically; don't

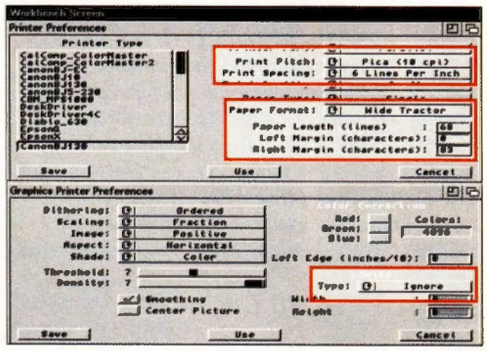


FIGURE 2 If your Workbench printer preferences are not set correctly you may not get the expected printed output from your software.

fiddle with the manual paper-positioning knob. Don't worry if the printer asks for another sheet after printing the first – we're only interested in this one. The white bits around the edges are the hardware margins. The printed part is the printable area, or page size. Measure these distances and note them down for future use.

Now, this area I have called "hardware margins" is known by different names. *Final Copy II* calls it the Print Area, which is extremely confusing because it can't print in it. *Wordworth 2* calls it the Print Border; *Professional Page* calls it the X and Y Offset; *PageStream* doesn't call it anything.

Consider the way a typical piece of software would print a typical page to a typical printer. You've selected an A4 page size. You want an inch top margin, half-inch margins left and right, an inch bottom margin, and you've set up these margins accordingly in the software. You've told the software to start printing one inch from the top of the paper, yes? *No* – you've told the software to start printing one inch from the top of the *printable* area. Because the printer has (say) a half-inch hardware top margin, your printout starts one and a half inches down from the top of the paper. The same goes for the left margin. You've told the software to start printing half an inch in from the left edge of the printable area, and if your printer has (say) a quarter-inch hardware left margin, the printout will begin three-quarters of an inch in from the left edge of the paper. What you end up with is a printout that is "offset" down and to the right of where you actually wanted it.

But what about the bottom margin? The odds are that the "page end" marker you've set (actually

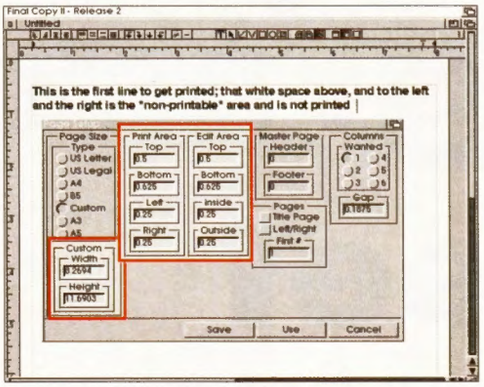


FIGURE 3 Enter your printer's hardware margins in Final Copy II's Print Area gadgets.

a "form feed" instruction added by the software) has been pushed down so far that it can no longer be printed on that piece of paper. The printer gets to the part of the page that is its hardware bottom margin, feeds the paper out (because that's what its internal software tells it to do), feeds in a new sheet of paper, then finds that all it has to print is a blank margin and just feeds that piece of paper out because of the "form feed" instruction. Even though your bottom margin may be blank, it still has to be "printed" because that's the way the software works. And that's why you're getting blank sheets between pages of printout.

First stop for correctly setting your page sizes is Workbench Printer and PrinterGfx preferences. In Printer preferences set the Paper Format to Wide Tractor. Just like printers, printer drivers have hard-coded instructions about page widths, and you'll find that printer drivers will restrict the print width to just under eight inches when, say, DIN A4 is selected, no matter what page width measurement you have entered in any other program. The printer driver has the final word on this. Selecting Wide Tractor instructs your printer driver to increase your printable width to 13.6 inches. You can't print this wide on an A4 printer, but it enables you to print as far across the paper as possible.

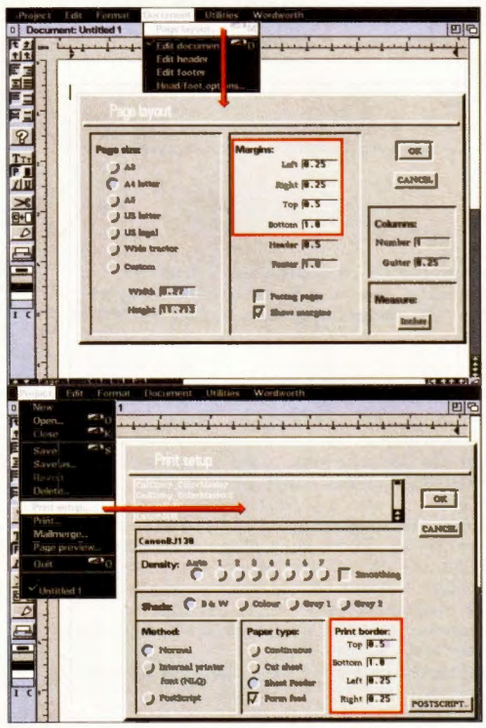


FIGURE 4 Wordworth 2 confuses many users by having the printer's hardware margins in one requester and the on-screen margins in another.

Figure 2 shows recommended settings for Printer and PrinterGfx for A4 printers. The gadgets ringed in red are the important ones. If you are in the practice of printing many-paged documents to a printer that has an automatic cut-sheet feeder, then you *must* set your Paper Type (above Paper Format) to Continuous, not Single Sheet.

Let's look at specific packages – *Final Copy II* first. In Figure 3 you can see that I have selected the Custom Page Size. I've done this merely to illustrate the fact that *Final Copy II's* dimensions for A4 in inches are not necessarily correct. Check your printer manual and see what it says A4 dimensions (in inches) are, and adjust the *Final Copy* dimensions accordingly. Alternatively use millimetres – A4 is *always* 210mm x 297mm.

What *Final Copy* means by Print Area is the non-printable (unshaded) areas shown in Figure 1, what I call the "hardware margins". The dimensions need to be exact – Top, Bottom, Left and Right in *Final Copy's* Print Area gadgets are the T, B, L and R distances in Figure 1 for your particular printer. (You'll find the Print Area gadgets for *Final Writer* in the Page Setup requester under the Layout menu.)

> ***"Every program uses different terms to mean the same thing."***

The Edit Area is the part of the page you want to print on to. The measurements in these gadgets must not be smaller than the equivalent gadgets in the Print Area section. If they are set to the same distances, then you will be printing on the maximum printable area for that size of paper with your printer. To get larger margins, enter the size of those margins into the Edit Area gadgets. (With *Final Writer*, you'll find them in Section Setup under the Layout menu.)

Wordworth 2 (Figure 4) uses exactly the same system, except it has split the two sections across two requesters. You enter your printer's hardware margins in the Print Border section of the Print Setup requester. Your actual page margins (what *Final Copy* calls the Edit Area) are set in the Margins section of the Page Layout requester. Again, the top, bottom, left and right Margins settings should be the same as the Print Border settings or greater.

Things become a bit more complicated with *Professional Page* (Figure 5). Assuming you are printing on to A4 paper, in the New Page Format requester you can select A4. But make a note of the dimensions that appear in the Size gadgets. When you come to print the page, these dimensions need to be entered into the Output Page Size gadgets in the Print to Dot Matrix requester. The hardware margins are described in the Offset gadgets as negative dimensions – instead of describing a positive distance from the edge of the paper to the start of the printable area, you are describing a negative distance from the edge of the printable area to the edge of the paper. So if your hardware top margin is half an inch you would enter -0.5 inches (or -1.27cm). And if your hardware left margin is a quarter of an inch you would enter -0.25 inches (-0.635cm). These negative numbers effectively tell *Professional Page* to totally ignore the top half-inch and the left-most quarter-inch of the page on the screen. You need to "manage" the right and bottom hardware margins yourself. If your maximum printable width is 7in,

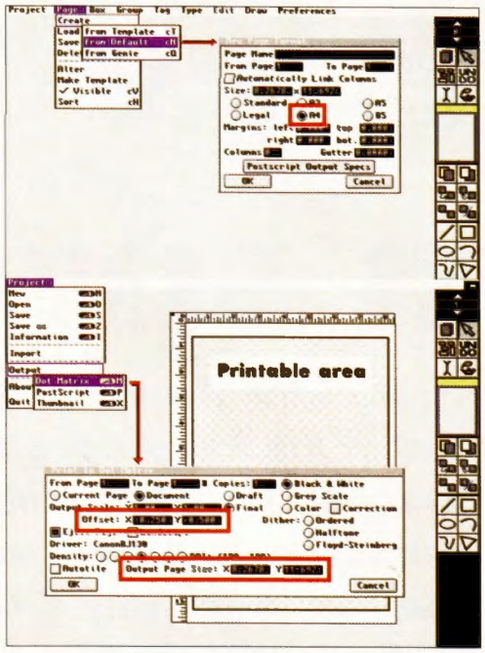


FIGURE 5 Correct output from Professional Page depends on correct information being entered into the Output Page Size and Offset gadgets in its Output to Dot Matrix requester. The bits to look for are highlighted here.

then add that figure to your hardware left margin and the resulting figure is the furthest across the page you should position any text or graphics. Do the same calculation for the maximum printable length, and don't attempt to position anything below that height on the page. If you do, anything in those areas simply won't get printed.

Finally, we come to *PageStream*. Again the relevant gadgets are found in two requesters (Figure 6). Page Size is easily discovered in the New Document requester. The important gadget is in the Configure Printer requester – the Paper Size. Here you may safely leave the paper size width the same as the page size width, but the paper size length must be set to your maximum printable length, the Y dimension in Figure 1. So if your printer has a hardware top margin of 5mm and a hardware bottom margin of 5mm, you must subtract 10mm from your Page Size length and enter this as your Paper Size length. As with *Professional Page*, you need to manage the right-hand and bottom hardware margins yourself.

So now you know how to get your page on the screen to print in the same position on paper. Even if you're using a package not mentioned here, you'll find the principles outlined invaluable. AS

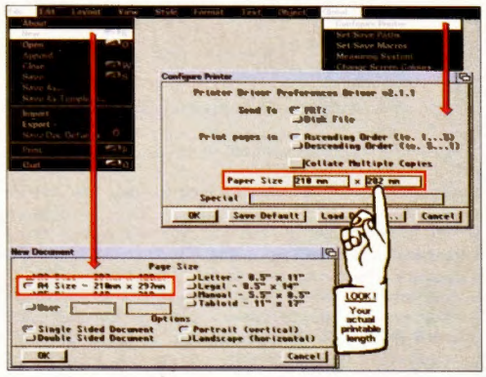


FIGURE 6 To get correctly positioned printed pages from PageStream, enter the correct printable length (rather than the paper length) into the Paper Size requester in Configure Printer.

How to program a spreadsheet

Most of the Amiga's operating system was written in C and it's just one of the languages that gets serious tutorial coverage in Amiga Shopper. Here the editor, Cliff Ramshaw, shows you how to design and write your own working spreadsheet. The listing can be typed in and used with any C compiler, including a PD one such as DICE.

When you're writing a reasonably complex program, it's often best to look at the kind of data it will use before thinking about its code structure. The most important data structure of a spreadsheet program is the spreadsheet itself – a two-dimensional grid. Clearly the best way of representing this is as a two-dimensional array.

We'll limit the size of the spreadsheet to the screen area, giving an array of 5 by 15, with each cell taking one line and being 10 characters wide. The most common data stored in an array are numbers, floating point numbers. But spreadsheets also need to store text messages, as well as the all-important formulae. The best way to hold text is as a string. It's possible to store numbers as strings too, and convert each string to a number as the program needs it for calculation. We'll restrict ourselves to formulae with two cell references separated by a simple maths operation: +,-,* and /. It's best to represent the spreadsheet as a two-dimensional array of pointers and allocate space to each string as it is needed.

Given the main data structure, we can now start thinking about the program itself. We'll need: a function to convert numbers written as strings into floats, and a function to interpret formulae that are represented by strings. We'll also need a means of getting input from the user. We'll do this by inputting two strings: the user is first asked to enter the co-ordinates of the cell of interest, and then to enter the contents of that cell. Every time the user enters some data, the whole spreadsheet is re-printed on the screen. If any of the cells contain formulae, then these are evaluated and their results printed out. If the user enters "q", then the program stops. It's simple, but it shows a lot of important programming points. Use a text editor to type in the listing below, and then compile and link it with your C compiler – a PD one will do, since the program doesn't rely on any Commodore-copyrighted library files. If you take a close look at

THE SPREADSHEET LISTING

```
#include <stdio.h>
#include <strings.h> /* some useful string functions */
/* declare functions for use by main */
void display_sheet();
int get_input();
void main()
{
 int quit=0; /* set to 1 if user wishes to quit */

 do {
  display_sheet(); /* call function to display spreadsheet */
  quit=get_input(); /* get user's input */
 } while (quit==0); /* loop until user asks to quit */
}
/* define array to be used by functions (not visible to main) */
char *sheet[15][5]; /* two-dimensional array of pointers to char */
/* define support functions */
float evaluate(char *cell_contents);
int find_row(char row);
int find_column(char column);
float string_to_number(char *string);
void flush_input();
void display_sheet()
{
 int row, column; /* variables used for loop control */

 printf("\n\nSpreadsheet\n\n");

 /* now print column numbers across the top */
 printf("   1         |2         |3         |4         |5         |\n");
 /* first three spaces to give space for row numbers beneath, then
numbers separated by eight spaces and a bar, so that each number
appears above its column */
 printf("---+---------+---------+---------+---------+---------+\n");
 for (row=0;row<15;row++) { /* go through each row in turn */
  /* print the row number at the left of the screen */
  printf(" %c ",row+65); /* row is printed as a letter of the
alphabet, with 0 being represented by "A" and so on */
  for (column=0;column<5;column++) { /* go through each column */
   if (sheet[row][column]==NULL)
    printf("          |"); /* print nine spaces and print
a bar to move to the next column if this one is empty, ie its
pointer points to nothing */
    else if (*sheet[row][column]=='=')
     printf("%9.2f|",evaluate(sheet[row][column])); /* if
the first character is an equals sign, then the cell holds a formula
which must be evaluated and then printed out */
    else /* otherwise it's contents are printed straight out */
     printf("%9.9s|",sheet[row][column]); /* the "9" in
the format string indicates that strings less than 9 characters in
width should be padded with spaces when printed */
  } /* now deal with next column */
  printf("\n"); /* go to the next line when all of the columns
in a row have been printed */
 } /* deal with next row */
 printf("\n\n"); /* print a couple of blank lines to separate
display from user input */
}
int get_input()
{
 int row,column;
 char input[10]; /* temporary string to store user's input */
 printf("Enter the coordinates of the cell to be modified (eg A1)\n");
 scanf("%3s",input); /* the "3" ensures a maximum string length of 2
characters, plus a terminator */
 if (strcmp(input,"q")==0)
  return 1; /* return a value of 1 if user enters "q" */
 /* the first character of the string represents the row, and is
converted to an array index by calling the find_row function */
 row=find_row(input[0]);
 /* the second character is the column number, and is converted to
an array index by calling the find_column function */
 column=find_column(input[1]);
 printf("Enter the cell's new contents\n");
 scanf("%10s",input); /* ensure we get no more than 10 characters */
 flush_input(); /* get rid of any characters beyond the 10 needed */
 if (sheet[row][column]==NULL) /* check if the cell is empty */
  sheet[row][column]=(char *)malloc(10); /* if it is make
storage for the string (9 characters plus a terminator) and put the
pointer to it in the relevant cell of the array */
 /* either way, the contents must be copied into the area of memory
pointed to by the array */
 strcpy(sheet[row][column],input);
 return 0;
}
float evaluate(char *cell_contents)
{
```

it you'll find it easy to follow. Let's go through it function by function.

The first function, **main**, only uses one variable, **quit**, which behaves as a "flag". It's a common programming technique – the variable is set to one value, and then when a particular condition has been met, it is set to another value. This value is subsequently tested. In **main**, **quit** is set to zero. A loop is entered. The function **display_sheet** is then called to display the spreadsheet on the screen. After that the function **get_input** is called, and the value it returns is assigned to **quit**. Normally, this will be 0, but if the user entered "q" at the input stage, then it will be 1. The program then loops, provided **quit** is still equal to 0. If it isn't, the program terminates. The function **display_sheet** needs two local integers – **row** and **column** – as controlling variables in loops to ensure each element of the two-dimensional array is checked in turn. Before doing so, the function prints out a heading and a list of column numbers. I've allowed a 3-character margin at the left of the screen for the row numbers; after that, each numeral is separated by eight spaces and a vertical bar – each column being ten characters wide.

Next a loop is entered that goes from the first to the last row. For each new row, its letter is printed at the left hand side of the screen, with a space before and a space after it. Adding 65 to the value of row gives an ASCII code between 65 and 79 – a letter between A and O. The program then enters a loop that works through each of the row's columns in turn. The cell referenced by **row** and **column** is then checked to see if its pointer points to nothing. If so, nine blank spaces and a vertical bar are printed and the loop is closed so the next column can be processed. If it isn't, then the string that the pointer references needs to be dealt with. It's checked to see if it begins with an equals sign. If this is the case, it contains a formula and the **evaluate** function is called with the pointer to it as argument. The value obtained is then printed out. If the first character of the cell's contents isn't an equals sign, then it is either a number stored as a string or a text string. In either case, it is printed. After all of the columns in a given row have been dealt with, a carriage return is printed to ensure that the next output appears on a new line. The rows loop is closed, and the function ends.

The other key function is **evaluate**. It takes a string (in other words, a pointer to a series of characters) as its argument, and produces a floating point value based on an evaluation of the formula contained in the string. Formulae take the form "=A1*B2". The first character (number 0) is always an equals sign, and so can be ignored. Character number 1 represents the row address of the first cell. It's converted into such, and stored in the integer variable **row1**, by using it as the argument to a call to **find_row**. Similarly, character 2 represents a column address, and is converted into an integer stored in **column1**. Character 3, the mathematical operator is stored in a character variable called **operator**. The row and column addresses of the next number are retrieved in the same way as those of the first.

The contents of the two cells referenced are then turned into floating point numbers. The function that does this, **string_to_number**, takes a pointer to a string as its argument, which is obtained from the **sheet** array given the relevant row and column co-ordinates. The function then goes on to process the two numbers depending on the operator supplied. This is done with a **switch** decision-making construct. **Evaluate** ends by returning the float variable **result**. **Get_input** asks the user which cell is to be operated on. If the user enters a "q", then it returns a value of 1. Otherwise, the string is turned into a set of cell indices by calls to **find_row** and **find_column**. The user is then asked for the contents of the cell. If the cell already contains information, it is replaced; otherwise space is requested first from the OS by a **malloc** call. **Flush_input** is a simple function that reads all the characters remaining in the input buffer until it reaches a carriage return. **Find_row** and **find_column** subtract 65 and 49 from the ASCII value of the character passed, in order to convert a letter and an ASCII numeral respectively to an index for accessing the **sheet** array. **String_to_number** is a primitive version of a function supplied as standard with C, called **atof,** obtained by including **std.lib**. It's written here to demonstrate the sort of processing you'll have to do to strings in your own programs. Study it to see how each character of a string is taken in turn to help re-create the floating point value it represents.

That's all there is to it. If you want to learn all about programming your Amiga, look no further than the monthly columns in *Amiga Shopper*. AS

JARGON BUSTING

Array – several variables grouped together under the same name and accessed individually by a numerical index.
Character – a variable that holds a single alpha-numerical character.
Compile – to translate a program written in a language such as C into a form the Amiga can interpret, known as machine language.
Pointer – a variable type that holds the storage address in memory of another variable.
String – an array of character variables.

```
  /* the first character in a formula is an equals sign, and can be
ignored. The next two represent the coordinates of one cell, the next
the mathematical operator to be used, and the final two the coordinates
of another cell. First job is to get these elements and store them in
the following variables */
  int row1,row2,column1,column2;
  char operator;
  /* now define three floats - two to hold the operands, and one to
hold the result of the operation */
  float operand1,operand2,result;
  /* get addresses of cells of interest */
  row1=find_row(cell_contents[1]);
  column1=find_column(cell_contents[2]);
  operator=cell_contents[3];
  row2=find_row(cell_contents[4]);
  column2=find_column(cell_contents[5]);
  /* now get numerical values stored in those cells */
  operand1=string_to_number(sheet[row1][column1]);
  operand2=string_to_number(sheet[row2][column2]);
  /* now to evaluate result, depending on the value of operator */
  switch (operator) {
    case '+': result=operand1+operand2;
      break;
    case '-': result=operand1-operand2;
      break;
    case '*': result=operand1*operand2;
      break;
    case '/': result=operand1/operand2;
      break;
    default:
/* No need for anything here, since this part of the program should
never be executed */
      break;
  }
  return result;
}
int find_row(char row)
{
  /* convert from a letter between A and O to a number between 0 and
15, which is done by subtracting 65 from its ASCII code */
  return row-65;
}
int find_column(char column)
{
  /* convert to a number between 0 and 6 by subtracting 49 (the ASCII
code for '1') from the letter's ASCII value */
  return column-49;
}
float string_to_number(char *string)
{
  /* convert a string into a floating point number */
  float result, divisor;
  int position;
  int sign=1; /* sign is 1 if the number is positive, -1 if it is
negative */
  if (string==NULL) return 0.0;
  for (position=0;string[position]==' ';position++)
    ; /* skip leading white space */
  if (string[position]=='-') {
    sign=-1; /* turn negative if a minus sign is encountered */
    position++; /* and skip to next character */
  }
  for (result=0.0; string[position]>='0' && string[position]<='9';
position++) /* go through each numeral in turn until we come to a non-
numeric character */
    result=result*10.0+string[position]-48; /* convert the character to
a numerical value, and add it to the result. Before the addition is
performed, result is multiplied by 10, because each successive addition
means that the previous digits have a value ten times greater */
  /* now to process digits after the decimal point, if any */
  if (string[position]=='.')
    for (divisor=10.0;string[++position]>='0' && string[position]<='9';
divisor *= 10.0)
      result=result+((string[position]-48)/divisor);
  result=result*sign;
  return result;
}
void flush_input()
/* Throws away unwanted characters in the input buffer, retrieved by
scanf - stops when it reaches the end of the line */
{
  char c;
  while ((c=getchar())!='\n')
  ;
}
```

The best of public domain

Six pages every month in Amiga Shopper are devoted to telling you about the top serious PD releases, and giving the most comprehensive listing of PD libraries anywhere. You'll find all sorts of useful programs – from tools to full blown applications, all for nothing or a small shareware fee. Here's a selection of the best of all time.

POWER TEXT

Source: Deja Vu Licenseware

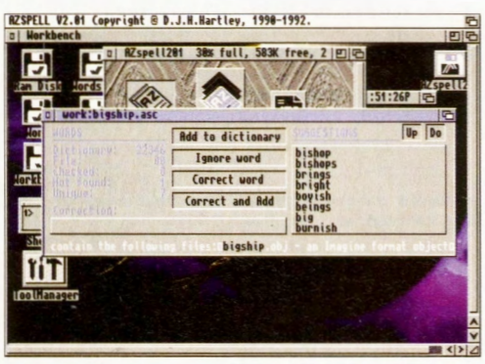
Power Text, by Gary Stimson, is a most impressive word processor. It is written in compiled AMOS, and has all the features that most people will want.

Unlike many word processors these days, *Power Text* doesn't provide a "what you see is what you get" display on the screen. Instead, the text is displayed with no justification, style or whatever. The big advantage of this is speed.

To format a document – define that paragraphs are justified, words are bold italic and so on – you hit the Escape key and then enter a short word, known as an embedded command. Until you can remember them all, it's a good idea to print out the manual and leave it open at the relevant page. The program sends output to the standard PRT: port, so you'll need the correct printer driver set up in your Workbench Preferences. You can embed printer control codes in a document, so you can access your particular printer's special features.

It's the extras that really make *Power Text* an outstanding offering. For starters, it copes with things like headers and footers with ease. It can mail merge with a standard ASCII file. It automatically sizes its screen for PAL or NTSC Amigas. It has an auto-save feature. One really neat feature is the "double-sided printing" option. When this is selected, odd-numbered pages are printed first, then you are prompted to turn over your paper and the even-numbered pages are outputted.

Moving about the document is easy: as well as cursor keys, a scroll bar on the right-hand side of the screen displays your current position in the file, and the mouse can be used to move the "thumbwheel" to a new point.



If your wordprocessor doesn't have a spelling checker, use AZSpell to check your documents.

There is a built-in spelling checker with the program, as well as a word-count facility. Both work fast, and the spelling checker displays three lines of text whenever a suspect word is discovered – so you can see the context that it's used in. You can add words to the dictionary, and the program can suggest alternatives to any misspelt word.

Function keys can have strings assigned to them, and these can be saved and loaded. The Find command works forwards or backwards through the program, with optional case sensitivity.

Power Text really is a remarkably powerful, fast and well thought-out piece of software. I strongly suggest that you check it out before you spend 30 or 40 times as much on a "commercial" offering. Its elegance and range of features must be seen to be believed. Get it now!

Rating: 93%

AZSPELL

Source: Digitz, Disk Util 277

AZSpell is a freely distributable spelling checker. It is supplied with a ready-created 12,000-word dictionary, but you can build up your own.

To run the program from any disk other than a dedicated floppy requires that you assign the logical device "AZSpell:" to the drawer which contains the program. It's a good idea to run the spelling checker from the RAM disk if you've got enough memory installed; it's much faster.

Double-clicking on the program's icon produces a simple requester which asks you for the name of the file to be checked. Then a window appears with the text from the file running along the bottom. If an unknown word is found, the text stops, the word is highlighted and a selection of suggestions is produced. You can then either ignore the word, correct it or add it to the dictionary. You quickly get the hang of what to do (the instruction file provided is perfectly adequate), and the fact that you see the misspelled word in context is very helpful.

I do have one complaint with *AZSpell*: the way it handles punctuation, in particular single quote marks, can be annoying. If you have, say, the phrase 'And so to bed', surrounded by single quotes, the spelling checker will query the word bed'. You can, of course, tell the program to ignore it – or even add it to the dictionary – but I would have preferred some option to ignore quote marks.

Once you have checked a file, you can run the extra program *AZMerge* to add your new words to the main dictionary. And that's it: an easy-to-use, efficient program which can be thoroughly recommended to anyone whose current word processor doesn't include a spelling checker.

Rating: 81%

MAGNETIC PAGES

Source: PD Soft, Disk V688

Magnetic Pages, by New Zealander Mark Gladding, is a set of three programs which enable you to create and display your own disk magazine. Text and graphics can be combined on a page, you can set up icons which enable the user to branch to other parts of the magazine, and sound and music can be played at any time – specific music or sounds when icons are pressed, or an overall "theme tune" which continuously plays.

This package, for a shareware fee of just $25, is incredibly easy to use and produces a really professional-looking end product. It is made up of three sections: Editor, Organiser and Displayer.

The Editor is the program where pages and articles are created. Text and graphics boxes can be created, sounds and music incorporated and actual text and images imported. There are also little things like control of the colour palette built in – in fact, nothing is missing.

When creating a new text or graphics box, a standard requester appears asking for things like the box's dimensions. You can resize or move the box with no trouble at all. This means that you have the choice of achieving design perfection either by entering numbers into requesters, or by moving things with the mouse and trusting your eye.

Once you've designed and saved all your articles, you move on to the Organiser, where you define the relationship between all the different articles – that is, which is the "parent" for each article. This is the page that the reader will be taken to if they hit the "contents" button when reading the magazine.The demonstration version of the program supplied doesn't actually allow you to save the Organiser file, so until you've registered you won't be able to create full magazines.

The Displayer is the part that you will ship with every disk magazine that you create.

To demonstrate the power of *Magnetic Pages*, a sample magazine is supplied. This includes text, graphics, sound effects and animations. Personally, I was stunned at how good and easy to use the whole thing is.

Broadly, its features are as follows:

- 8 or 16-colour screens, on which text and graphics can be mixed.

● An all-graphics page can be defined, where any IFF picture in any screen mode can be displayed.
● The reader can branch to different articles in the magazine by clicking on icons.
● Digitised sound and MED or SoundTracker music is supported. This can be played when the reader first enters a page, or when an icon is clicked.
● Many text styles such as bold, italics, underline and so on are supported, as is coloured text.
● Page colour, box colour, shadows and borders are user-definable.
● Boxes can contain several frames of animation.
● *PowerPacker* is supported, meaning articles can be compressed so more can be fitted on a disk.
● Articles can be printed, saved as text or saved as IFF files by the reader.
● Text searches can be performed by the reader. The search can be on the current page, current article, group of articles or the whole magazine.
● PAL and NTSC standards are both catered for.

Rating:98%

DESKTOP VIDEO PACK 2

Source: Anglia PD

Anglia Public Domain produce a number of "packages" of targeted PD, aimed at putting as many relevant and related PD programs on to a set of disks as possible. *Desktop Video Pack 2* is a collection of four disks for just £3.96, which works out at the standard Anglia price of 99p per disk.

You can get a printed manual for a further £2.99 – and it's well worth the extra. There are 50 pages of small-print text, starting with an introduction to the pack as a whole and moving on to the "readme" files for each of the main programs. And main programs galore are provided on the four disks: 12 are detailed in the manual, and some of these are collections of three or four small utilities. The 12 in the collection are:

● *SMovie* – a general purpose video titler.
● *QED* – a text editor for creating titles etc.
● *Virus Checker* – for peace of mind.
● *ShoWiz* – a slideshow program, which can also incorporate text and sound.
● *SportsText* – a video titler which quickly enables you to display 100 or so different pre-defined titles, which is particularly useful for on-the-fly titling of sports events and suchlike.
● *TV Graphics* – clip art that is likely to be useful in the video environment.
● *The Introducer* – used to create scrolling demos. Just give it an IFF picture, a sound file, and the text you want to appear, and the program does the rest.
● *VTOT* – Video Tools On Tap is a test pattern generator.
● *ShadowMaker* – a font shadow generator, which converts fonts into colour fonts with anti-aliaising and shadows built in.
● *InTime* – overlays a rough time code on to videotape – it only counts in seconds, not frames.
● *Video Librarian* – a database for keeping track of your video collection.
● A-Graph – draws bar, line, area and pie charts.

If you use your Amiga for any sort of video work, I'd say that you can't really do without this collection. Congratulations to Anglia on a well-executed idea.

Rating: 94%

EASYCALC

Source: Roberta Smith DTP, Disk BU108

EasyCalc is just about the best shareware spreadsheet I've seen running on the Amiga. It's written by Andrew Woods and costs £15. Registration entitles you to a copy of the most up-to-date version of the program, free upgrades, a telephone hotline for problems, and support for something called "Dreamlink", which will enable plug-in modules to be added.

Once you've launched it, you'll be amazed at how easy *EasyCalc* is to use. If you're used to spreadsheets on platforms like Windows or the Mac you'll have no trouble getting to grips with it. You enter data and formulae by just typing them in – a formula starts with an "=" sign. Typing in text will automatically place that text in the cell – there's no need to signify that it's text with a quote mark or any other irritating protocol.

You can alter the size of columns either for one column or for the whole of the spreadsheet. There's a small "toolbar" above the spreadsheet area which enables you to select typestyle – bold, italic, underline or plain – and alignment – left, right or centre – without the trouble of having to go to a menu, and there are also buttons for Load, Save and Print. You can "lock" a cell so that its contents can't be changed, and you can also select the number of decimal places that are displayed.

Inserting rows and columns is no problem, and all formulae cell references are retained – you don't have to go through altering them all to take a new column into account. If you copy a formula and paste it into another location, the cell references are automatically adjusted. This is called "relative" cell referencing; if you want "absolute" references to be copied and pasted, you can have that, too.

The only real problem I found was that I couldn't get numbers to centre or left-align – they insisted on sitting at the right of the column. Even with that complaint, though, this really is an excellent program. It's nice to see programmers deciding that their shareware should compete on equal terms with full commercial programs. You should certainly check *EasyCalc* out if you're considering splashing out on a commercial package – you may well find that this does the job perfectly well.

Rating: 92%

BBASE III

Source: Fish Disk 860

A long time ago I enthused about *bBase II*, a database program that actually did the job with no fuss, no mess and a fair amount of elegance. Now



BBase III is one of the best PD databases available – it's easy to use and powerful.

that the program has been updated to version III, it has become shareware and has had a vast number of extra features added.

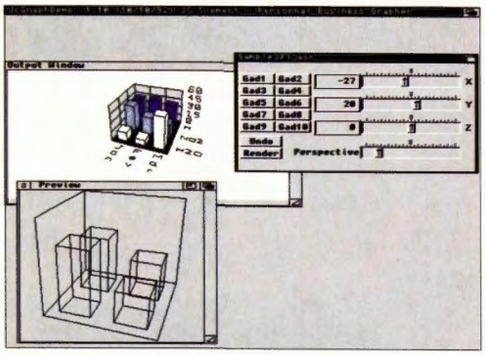
The program on Fish disk 860 is a demo version – it can read databases of up to 600 records and save only up to 30 records. However, other than that it has no restrictions – so you can start to create your database while waiting for your shareware fee to be processed.

The program's most annoying shortcoming is that you can only have a maximum of nine fields per record. However, you can also choose to have a "notes" field, where you can store up to 16 lines of extra text for each record – so suddenly the field limitation isn't so bad. The database is limited to a maximum of 1,250 records or a file size of 310K, whichever comes first.

There are no real layout options either, but again this isn't too bad – *bBase III* isn't really designed to be a graphical animal, it's there simply to hold your data. On the other hand, there's a "tag records" feature, the ability to sort on any field, a fast search and many other options which make this a program well work checking out. You can even encrypt a file so that users without the correct password can't access it.

If you're after a database with not too much in the way of graphical frills but is powerful and easy to use, *bBase III* may be the one for you.

Rating: 91%



JCGraph is a brilliant 3D graph plotter that can produce images from ASCII data files.

JCGRAPH

Source: Fish Disk 760

In *JcGraph*, Jeane-Cristophe Clement has created a powerful business graph creation package that saves its images in a variety of formats, including EPS, IFF ILBM, Geo 3D and AegisDraw 2000.

The program takes data from a plain ASCII text file and creates 2D and 3D graphs in formats such as pie charts, line, bar and stack charts and so on. The resulting graphs can be rotated about all three axes, and the perspective can be changed. It doesn't provide for titling or graduated backgrounds, but these can be added in other drawing packages afterwards.

The package is shareware, and costs $47 Canadian. The demo version on Fish disk 760 is restricted in that it limits data to 3 by 3 values, and will not save the graphs. It works on an interlaced, NTSC-sized screen, so you really need a monitor to use the program.

When you've loaded a graph type (plenty are available) and some data, you will have three windows on screen: a preview window, a line-image of the graph and a data entry window from which you can select rotation and perspective parameters. This can be done either by typing in values, or by moving the slider gadgets – as you do this, the line drawing of the graph moves, so you can see exactly what it will look like.

This really is a powerful program. To anyone who needs to produce business graphics on their Amiga, $47 is a small price to pay.

Rating: 92%

This is just a sample of the kind of seriously useful programs being released all the time on to the Amiga public domain and shareware scene. If you want to learn about the latest and best of them, and exactly where you can get them, then you want *Amiga Shopper*. AS

THERE ARE THREE WAYS TO GET HOLD OF AMIGA SHOPPER

1 - Subscribe
2 - Reserve it at your newsagent
3 - Take a chance

Don't take a chance!

Subscribe now and get 14 issues for the price of 12 PLUS a free binder. Call our hotline on 0225 822511 or fill out the form below. Or, to reserve your copy, fill out the form below right and hand it to your newsagent.

Please tear off and send to *Amiga Shopper* subscriptions, Future Publishing, FREEPOST, Somerton, Somerset TA11 7BR. *(No stamp required.)*

Yes! I would like to subscribe to *Amiga Shopper* for 14 issues and receive my free binder (worth £4.95).

(Please tick one box only)

☐ UK subscription £30

☐ European Community subscription £40

☐ Rest of World subscription £57

Please debit my Visa/Mastercard with £ ..... or
I enclose a cheque payable to Future Publishing for £ .....
(cheque must be in Sterling drawn on a UK bank account)

Signed ..... Date .....

Card No. .....

Expiry date .....

Name.....

Address .....

.....

.....

..... Postcode.....

Offer expires 27th May 1994 AS/SC/5/94



Subscribe and you'll get this special Amiga Shopper binder, worth £4.95, free.

MAKE SURE YOU RESERVE A COPY OF YOUR FAVOURITE MAGAZINE AT YOUR LOCAL NEWSAGENT NOW!

DEAR NEWSAGENT, Please reserve/deliver me a copy of *Amiga Shopper* every month, beginning with the June issue, which goes on sale on Tuesday 3 May.

Name _____

Address _____

_____

_____

Postcode _____ ☎ _____

• NOTE TO NEWSAGENT: *Amiga Shopper* is published by Future Publishing (0225 442244) and is available from your local wholesaler.

• PS Oh, and if you do have any problems getting hold of Britain's best-selling serious Amiga magazine, call Kate Elston on 0225 442244 and she'll help you out.





Epson Scanners

The GT-6500 and GT-8000 24-bit colour flatbed scanners from Epson scan up to A4 in size, with output resolutions of up to 1200DPI on the GT-6500 and 1600DPI on the GT-8000 in 16.7 million colours, greyscale or line art. The scanners include either PowerScan or Image FX scanning software. An optional automatic document feeder is available.

Epson GT-6500 PowerScan	**£599**
Epson GT-6500 Image FX	**£689**
Epson GT-8000 PowerScan	**£849**
Epson GT-8000 Image FX	**£929**
Document Feeder	**£399**



PowerScan 4

Completely re-designed powerful user interface, produce 256 greyscale images (on a AGA machine), scan in 64 greyscales (non AGA Amiga can only display 16), add colour to greyscale images, special effects, new support for 18-bit scanner, add text to scans, available with mono or colour scanner. A1200/600 version available soon.

PowerScan 4 (Mono)	**£119**
PowerScan 4 (Colour)	**£239**
PowerScan 4 inc. OCR	**£159**
PowerScan 4 upgrade interface	**£50**
PowerScan 4 upgrade software	**£20**
OCR Full version	**£49**



Epson LQ-150

The LQ-150 is a fast, quiet 24-pin colour dot matrix printer. With draft printing speeds of up to 216 cps and high quality colour text and graphics output. The LQ-150 has a built-in 50 sheet paper cassette with automatic paper feed, and an optional tractor unit for use with continuous and multi-part stationery.

Operating either flat or flipped on its back - to save desk space - the LQ-150 incorporates Epson's ESC/P and ESP/P2 printer languages, ensuring compatibility with most popular software packages. It also comes supplied with Windows printer driver for use on your IBM as well.



Optional tractor unit

Epson LQ-150

Power Computing being an Epson distributor and dealer can supply all Epson products at uncompromising prices.



Free Epson baseball cap and T-shirt when you purchase an LQ-150 Printer. Subject to availability.

Epson LQ-150 (inc. all cables)	**£229**
Tractor Unit	**£29.95**
Black Ribbon	**£5.95**
Colour Ribbon	**£15.95**

EPSON
DISTRIBUTOR

POWER COMPUTING LIMITED
44a/b Stanley Street Bedford.MK41 7RW
Telephone 0234 273000 Facsimile 0234 352207

All prices include VAT, delivery extra, E & OE



EDGE

This **magazine**
has been **voted**
Magazine of the year
by people working
in the games **industry**



Don't you want to know **why**?

Magazine of the year
INPUT
Industry awards

Issue **eight** onsale at
selected newsagents now



GREETINGS! It is that time of the hydra magazine again. The time when we invite you to lay down your joysticks and consider doing something useful with your computer. This month we kick off with a feature on how to install software on to your hard-drive (if you are lucky enough to have one) and then we are into the reviews proper.

There is quite an amazing selection this month, from the best value accelerator for the A1200 we have ever seen, through the graphically wonderful *Distant Suns* which is responsible for the nice graphic on this page, through to a software/hardware combination which can actually help you to keep fit.

There is quite a big CD presence in the mag this month. Commodore may have launched CD for the A1200, but we look at a CD controller for any Zorro-compatible Amiga and a rather cunning device which allows Amiga owners to use their Amiga CD^{32}s as a CD-ROM drive. We know that you are just as keen on CD-ROM technology as we are, and I really can't wait to see the first serious applications software for the Amiga on CD. As usual, the reviews are followed by PD, Workbench and some great tutorials.

So as you can see, we have, as always, a whole collection of authoritative information for you, to keep you going for another month. Remember, only people who know how the Amiga works and why people use it are allowed to put fingers to the keyboard for us. But, if you think we've got it wrong, write in and let me know at the editorial address. *Nick Veitch*

On the SERIOUS SIDE

REVIEWS

Installing Software 102
You've got a hard drive, but how do you get it to work properly?

MTec 108
A full 68030 accelerator for under £160... but is it any good?

Tandem 113
A cheap way of adding CD-ROM to your system.

Distant Suns 5.0 117
Astronomy for the masses, and you don't even need a telescope.

CD^{32} Connector 122
An interesting way to access CD-ROM from any Amiga.

Power Scanner v4 125
The latest version of the all-round best mono hand scanner.

Vertex 126
3D modelling and manipulation made easy.

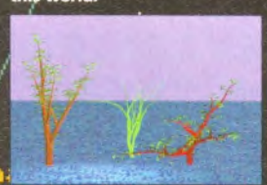
Microvitec monitor 128
We test the industry's answer to the CBM monitor shortage.

MultiFrame for ADPro 130
An extension for *ADPro* to facilitate easy animation.

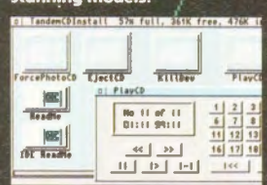
Heart Track 133
Get fit with your Amiga and the help of this hardware/software.



The Power scanner is out of this world.



Vertex can create some pretty stunning models.



Access CD with the low-cost Tandem controller card.



JEFF WALKER

This month, micro-powered Mr Walker asks if high-end Amiga users are expected to pay too much.

AN ACE IN THE PACK?

If I could convince my boss to pay for me to travel to the ACE (Amiga Centre of Excellence) in Pentrefoelas in North Wales, or to the one in Drury Lane in London, what am I going to learn? That the Amiga is better than a PC? Better than a Mac?

My boss doesn't give a toss about better. He wants to know if it will run *Word for Windows*. Not because it is the best word processor there is, but because it is the only one he has ever heard of.

I tell him yes, probably, but the hardware and software required to emulate a 486 is not 100 per cent foolproof and will cost extra. And anyway, I stupidly blurt out, if he wants us to run *Word for Windows* he would be better off buying some PCs.

Oh bugger! That's torn it. He's latched straight on to that statement and exclaims astonishment that *Word for Windows* is not available for the Amiga. Now he wants to know if there's an Amiga word processor that's just as good.

I remind him that the main thing we want to use computers for is all kinds of graphics, video, multimedia, and publishing and that a word processor is just one small link in the chain. I remind him that the Amiga is famed for graphics excellence.

How much? Keeping a level voice I inform him that every bare workstation – computer, monitor, large hard drive and enough memory – is going to cost about £2,000. He laughs at me.

He's now convinced that my trip was wasted. It really doesn't matter that the Amiga is better, he says that millions of other people are proving every day that it (whatever 'it' is) can be done on another computer that doesn't appear to cost anywhere near as much as the Amiga.

The bottom line is almost always money with my boss. And the Amiga, whether or not the new Amiga Centres of Excellence can prove their case for superiority, is too damn expensive.

Look at the price of the new A4000 Tower. £2,000? Without hard drive? Without monitor? Who is going to buy it? Why would anyone want to buy it? The only reason I can think of, apart from the obvious desk-space reclaimed, is to have more Zorro-III slots. But £2,000? I desperately need the desk space, but I'm off down the road instead to buy a £300 desk that has a shelf underneath it.

Never mind the Tower, look at the price of the A4000 in general. Any fool can see that it is way too expensive. I'm sure Commodore are telling the truth when they say that overheads mean that the A4000 has to be the price it is, but that does not change the fact that it is still too expensive.

Add a monitor in with the price and we're getting close to reasonable. Add at least 4Mb of memory in with the price and we're getting close to competitive. Add a 240Mb hard drive in with the price and we've got a machine that is difficult to resist. But Commodore say it cannot be done.

I say it must be done. ACE will not save the high-end Amiga computer from oblivion. Neither will the ever-present promise of something better (and even more expensive) to come. But perhaps Commodore are no longer interested in the high-end Amiga. Perhaps Commodore are happy to remain a company that produces the best games machines. Perhaps Commodore are worrying about what other companies may be doing to upstage the CD^{32}. Perhaps, like my boss, Commodore doesn't give a toss and is only interested in money.

THESE OPINIONS ARE NOT NECESSARILY THOSE OF AMIGA FORMAT

GET IT ON

Getting all your software on to a nice new hard disk might not be quite as easy as you think. John Kennedy guides you around some potential pitfalls.

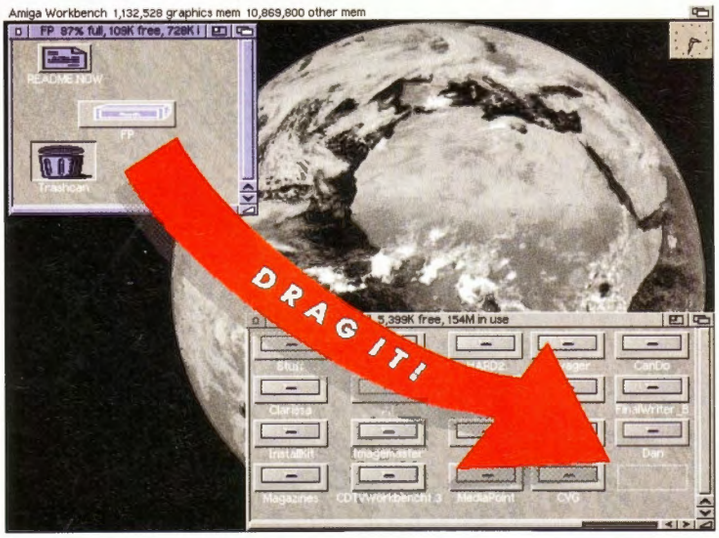


Installing software on to your hard drive should be a straight forward exercise, but there are times when you will need to take John Kennedy's advice.

MOST NEW COMMERCIAL computer software comes with an extremely effective click-and-go hard drive installation option. Once you have answered a few questions all you have to do is keep feeding in the floppies until everything is finished. It sounds easy and it is.

Unfortunately, there are times when life isn't this simple, because you don't have access to an idiot-proof installer, especially if your software is a few years old or if it came from the Public Domain.

In a lot of cases you can simply drag the icon across from the floppy disk to the hard drive and run it. In fact, with versions of Workbench 2.0 and above you can even drag the floppy icon itself, and it will be automatically turned into a drawer. This technique is fine if the software is totally self-contained, and it doesn't require any extra external files, but you won't be this lucky all the time.



Some programs can be installed simply by dragging the drawer icon they are in to the exact location on the hard drive. Note that the out-of-this-world Workbench backdrop pattern is completely optional.

WHAT IF THE SUPPLIED SCRIPT FAILS?

It is common to find some software supplied with its own installation routines which is usually an *AmigaDOS* script. Sometimes this works fine, but occasionally things go wrong. A frequent cause of errors is the assumption that a hard drive has a certain name, which isn't always the case. To check what your hard drive is called, open a Shell and enter:

```
info [return]
```

Under the column marked Unit you should see a list of devices, which includes your floppy drive(s), your RAM disk and your hard drive. Most hard drives exist as two or more partitions with names such as HD0: and HD1:. To help you organise your data, the drives are partitioned into two parts to give the impression of two separate drives.

When you run the hard drive installation script, if you get an error message such as No Drive HD1:, it is probably because you don't actually have a hard drive called HD1:. Your drive might actually be called DH1: instead. It is important that you don't get confused by the names. A single drive can have two names: its physical name (the HD0: or DH1:) and its logical name (Workbench,Brian_the_Disk, or Work). There are two ways to solve this naming problem. The first solution is to rename your hard drive using the *HDToolbox* program, but this can lead to other problems. You might be tempted to alter the partition size at the same time (and so delete all existing data) or perform a Low Level Format for the hell of it (and so permanently destroy your hard drive).

The second solution is much more clever, but requires another bash at the Shell. Open it up and type:

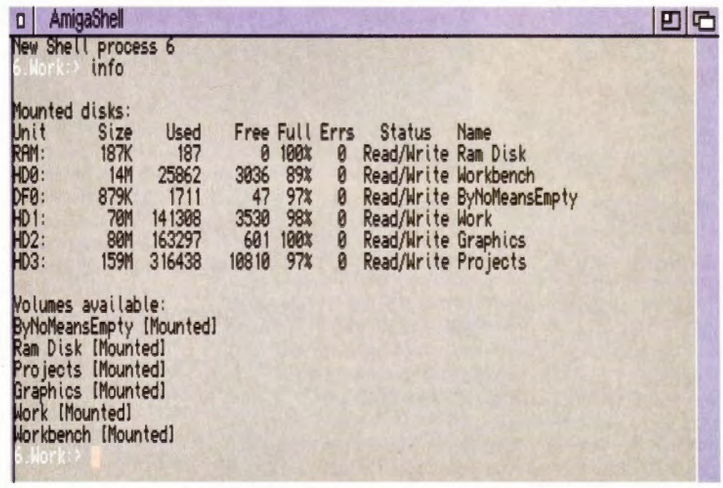
```
Assign DH0: HD0:
```

This creates a logical name (HD0:) which just happens to point to the original drive (DH0:). If you click on Retry in the Error requester the script should be able to make another attempt and this time get it right.

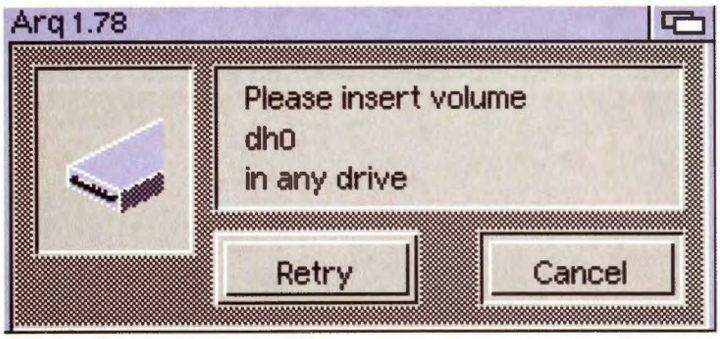
Obviously you will have to change the names to suit your particular set up. Check what your drives are really called by using the Info Shell command as shown in the previous example.

WHAT IF THERE ISN'T A SCRIPT?

If there isn't a special installation script, and dragging the icon from the floppy to the hard disk doesn't seem to work, it could be because the program needs some files which are present on the floppy, but not on the hard



Here is the list of devices connected with this Amiga. Although there might appear to be four separate hard drives (HD0:, HD1:, HD2: and HD3:) there are actually only two, but they have both been partitioned into two logical drives.



This is a common sight, because a programmer assumed you would label your hard drive in the same way he labelled his. Big mistake. By the way, the nice requesters are courtesy of the Public Domain program *ARQ*.

drive. Typically, a program might want to make use of a code library, some special fonts, or a unique *AmigaDOS* device. These sound fearsomely complicated, but they simply require a bit of Shell'ing to sort out.

An error message along the lines of: Can't Open Plopsoft.library, or: Error Opening Plop Font, is a dead giveaway, but some other programs simply flash the screen and disappear. The first thing to check is that you have copied all the files from the floppy to the hard drive, so use ShowAll Files from the Workbench menu. If some extra files appear, such as PlopSoft.dat, copy them across and try again.

You should see icons for the C, Libs and the other directories appearing, but there is no need to drag these over all at once. Indeed, this might not even work. Instead, open the Shell and get a directory listing of the floppy drive's library drawer. This is easy to do - simply type:

```
dir df0:libs
```

at the Shell. Now look at the library drawer on the hard drive in the same way:

```
dir libs:
```

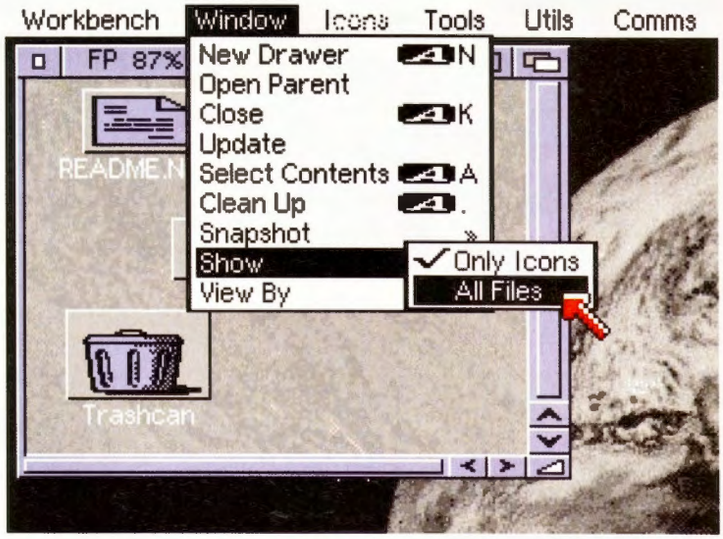
If you have booted from the hard drive, Libs: will be set up to automatically point to the correct drawer. Now check to see if there are any files present in the first listing which aren't there in the second listing. If you find any (for example, the explode.library) copy them across like this:

```
copy df0:libs/explode.library to libs:
```

You should repeat this exercise for the Fonts, Devs and Cdirectories to make sure all the files are present. This blind copying might not appeal to everyone. Sometimes you need to know exactly which file is needed, and in these situations you should rush out to your local Public Domain library and get yourself a copy of *SnoopDos*.

When you run *SnoopDos* it opens a window on the Workbench, and watches what goes on. Every time a program tries to open a library or another file, *SnoopDos* displays it. If the process fails, you can be pretty sure that it's being caused by the latest file in the *SnoopDos* display and you can then copy the specific one across.

Sometimes everything appears to be fine until you turn off your Amiga, and restart the installed program. The program may load, but the Amiga displays the error message: Can't Find File So-And-So, or: Please Insert Volume Thingy. The chances are that this problem can be fixed very easily by using an



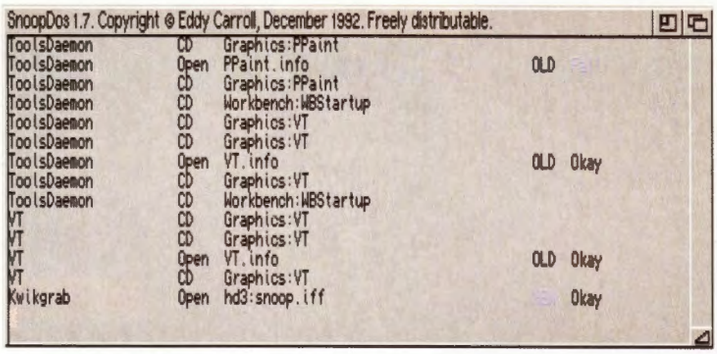
The ShowAll Files option displays all the files in the disk drawer, including those without icons. If you have Workbench 1.3 you can't do this, and will have to resort to opening a Shell and typing: Dir to achieve the same result.

Assign statement. We have already used Assign to create a logical device to fool the installer, but very often a program needs its own logical device to find essential files.

For example, imagine you have a program called *SuperPlop*, which came on a floppy disk called Plop, but when you install *SuperPlop* to the hard drive and run it, you get the error: Please Insert Volume Plop In Any Drive. If you stick the original floppy disk in the drive it works, even though you have copied all the necessary files across. To fix this, edit the s:user-startup file (or s:StartupII on Workbench 1.3) and add the following line:

```
Assign ploppy: DH0:plop/ploppy
```

This assumes you have created a drawer called Plop on your hard drive (which I've assumed is called DH0:) and put the *SuperPlop* program in there. If you get the error message: Can't Cancel Assign, then it's probably because the original floppy is still known to the system. All you have to do in this situation is remove it and try again.



***SnoopDos* at play. The Public Domain program displays what is going on when you load a program. It is useful for installing stubborn software on to hard drives.**

INSTALLATION CHECK LIST

If you think you have copied a program across from a floppy disk to your hard disk but it's not working, check out following:

● A program which appears to load, but only flashes its screen briefly before vanishing is having problems finding the correct resources. It might, for example, be looking for a certain library in the Libs: drawer. Check that the libs drawer on the floppy disk doesn't contain any files missing from your hard drive libs drawer. If there are any, copy them across.

● If a program crashes with a requester stating: Can't Find Such-And-Such, you're lucky – it's only a matter of copying the file from the floppy disk to the hard disk and trying again. You might need to re-set the Amiga before you can try again.

● There are programs which simply cannot be installed on to a hard disk. Games and demos in particular are difficult to copy because many use a custom bootblock on their floppy disks. You can check for this quite easily - if after booting Workbench, you pop the suspect disk into the drive and get an NDOS message, you know you are stumped. Basically, if you can't double-click on the disk and drag icons across there is nothing more you can do.

● Don't blindly replace libraries - always check you are using the most up-to-date version you have. You can check on the version number by opening a Shell and entering:

```
version <libraryname>library.
```

Make sure that you only copy files with a higher version number over older programs, and remember that you need to reset your Amiga before the new libraries come into effect.

● Some programs come on several floppy disks. You might to create an Assign for each disk in the startup-sequence.

Harwoods have been established since 1955 providing Computer Systems since 1982. We always emphasise our quality of service which includes facilities that you may be charged for elsewhere...

the harwood Directory

In Derbyshire, Nottinghamshire and by Mail Order...
NATIONWIDE! Always with speedy delivery!

WHY BUY FROM HARWOODS

- FREE DIRECT DELIVERY SERVICE
- FREE WARRANTY COLLECTION *(see right for full details)*
- FREE HELPLINE SUPPORT
- CREDIT & CHARGECARD FACILITIES
- FINANCE FACILITIES AVAILABLE

VISIT OUR SPACIOUS SHOWROOM...

WHY NOT TAKE A TRIP OUT TO VISIT US AND COME AND SEE OUR FULL ADVERTISED RANGE, AND MORE! EVERYTHING IS AVAILABLE AT THE SAME COMPETITIVE PRICES (Please see opening times). THERE'S PLENTY OF FREE PARKING CLOSE BY:

We are open...
MON to SAT 9.00am til 5.30pm
Wednesday 9.00am til 1.00pm



How to order...

BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard, Connect, Delta, Switch or Lombard Creditcharge Card quoting card number & expiry date (most Dixons, Currys, and other 'store' cards are Lombard Creditcharge and are happily accepted by us) & issue number where necessary (eg. Switch etc)

BY POST: Make cheques, bankers/building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from our latest advertisement before ordering (phone if you require confirmation).

PRICES: Please remember that for example "September issue" magazines may be on sale during July, meaning that prices and offers advertised therein (which may appear up to date), could have been changed (we often have to provide artwork to magazines up to a month before the magazine is on sale). We therefore reserve the right to alter a specific item or pack price (either up or down) in the unlikely event of the cost price we pay changing. Please phone FIRST!

EXPORT: Most items are available at TAX FREE PRICES to non UK residents and service personnel. Please contact us for confirmation of export prices before ordering.

FREE DELIVERY: by Parcel Force (UK Mainland only) OR: SPEEDY NEXT WORKING DAY COURIER SERVICE. Add just £8.95 per major item for guaranteed delivery (or £10.00 for Saturday delivery). UK Mainland most regions. (Despatch normally on day of order or payment clearance). Overseas rates on request.

All listed prices are what YOU PAY, and there are NO HIDDEN EXTRAS. Prices are correct at time of going to press (Pack details may vary from time to time). Offers and Services are subject to availability and to being the latest advertised products, packs and prices. Please note goods are not supplied on a trial basis. E&OE.

CHOOSE FROM THREE GREAT AMIGA A1200 COMPUTER PACKS!!!

That's right... Now you have a better choice of Amiga 1200 Packs and, whichever one suits you is also available with optional Hard Drive configurations - ALL at some of the most competitive prices around! PLUS... at Harwoods you receive an **EXCLUSIVE JURASSIC STARTER PACK FREE WITH EVERY AMIGA!!!** If you're also looking for a Printer, Monitor or any one of a vast array of Amiga peripherals or accessories, then speak to us too... you could save £'s!

SEE PAGE 1

A1200... Combat/Innovations

NEW... Amiga A1200 Pack Announced:



THE LATEST Amiga A1200 Computer Combat/Innovations Pack is supplied with Total Carnage, Brian the Lion, Zool 2, Day by Day (filofax type planner), Wordworth 2.0 (Word Processor), Print Manager (for use with Wordworth) and Personal Paint V4 (advanced Paint Package with support for HAM, GIFF) plus a **FREE... JURASSIC STARTER PACK!**



FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right)!

Great new pack with Games, Business and Graphics Software INCLUDED!!! See Hard Drive Versions below!!!

Only...**£349.95**

A1200... Race 'N' Chase



FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right)!

OUR Amiga A1200 Race 'N' Chase Packs are supplied complete with... Nigel Mansell's Grand Prix, Trolls and a **FREE... JURASSIC STARTER PACK!**



Only...**£299.95**

A1200... Desktop Dynamite

SEE PAGE 1



OUR Amiga A1200 Desktop Dynamite Packs are supplied with Dennis, Deluxe Paint IV, Oscar, Print Manager and Wordworth plus a **FREE... JURASSIC STARTER PACK!**



FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right)!

Only...**£349.95**

Hard Disk Drive Options...

A1200 HARD DRIVE OPTIONS	COMPUTER COMBAT INNOVATIONS	RACE 'N' CHASE	DESKTOP DYNAMITE
130Mb	£589.95	£539.95	£589.95
170Mb	£599.95	£549.95	£599.95
260Mb	£689.95	£649.95	£589.95

Shown in the table above are just some of the Hard Drive Options available. Phone us for details of other sizes too.

SEE PAGE 1

GREAT REASONS TO BUY FROM HARWOODS...

WHEN THERE ARE SO MANY DEALERS TO CHOOSE FROM WHY SHOULD YOUR CHOICE BE GORDON HARWOOD COMPUTERS?
Well just a few GOOD reasons are listed here...

WE AIM TO CONTINUE PROVIDING THE BEST SERVICE IN THE INDUSTRY

We have a **FREE SERVICE POLICY** which includes...
- **NEW** Replacements for faulty goods (in the first 30 days)
- **FREE** UK Mainland collection of major hardware units requiring warranty service in the first year (unless on-site warranty is applicable)
- **FREE** rapid courier return of serviced products
- **ACCESS** to our ex-directory Customer Technical Helpline

FREE JURASSIC STARTER PACK WITH EVERY AMIGA

JURASSIC PARK BY: ocean

PLUS...
- MOUSE MAT
- DUST COVER
- MICRO SWITCHED JOYSTICK

WORTH ALMOST £50



OPTIONAL LIFETIME WARRANTY PLAN

REST ASSURED YOU'LL HAVE NO BILLS FOR YEARS TO COME!!!

You can choose to add an Extended Warranty to ANY hardware item from Harwoods - for less than you'd think! Take up to 5 years cover and at the end of that period extend again on an annual basis... Thus, a LIFETIME'S PEACE OF MIND. What's more the warranty is fully transferable, enhancing resale values of your equipment! Even available on hardware you may have purchased elsewhere - Phone for details!



Offers & Services are subject to availability and to being the latest advertised products, packs and prices. Please note our goods are not supplied on a trial basis. All Trademarks are acknowledged and are Copyright of their respective holders. E&OE.

STOP PRESS...STOP PRESS...STOP PRESS...

JUST LOOK BELOW AND SEE HOW TO MAKE YOUR A1200 THE 'ULTIMATE PERFORMER'

AMIGA SYSTEM AND CONFIGURATION TESTED...	MIPS
Standard Amiga A500-600-1500-2000 (unexpanded)	0.55
Standard Amiga A1200 (unexpanded)	1.33
Amiga A1200 & Blizzard 1204 4Mb RAM Card (AMF Gold Award)	2.94
Amiga A1200 & Blizzard 1220 4Mb & 28Mhz 68EC020 Accelerator	5.05
Amiga A1200 & Blizzard 1230 4Mb & 40Mhz 68EC030 Accelerator A NEW FASTER REPLACEMENT FOR THE AWARD WINNING 1204!!!	7.06
Standard Amiga A4000 '030 (2Mb Chip RAM, 4Mb Fast RAM)	4.43

All the above tests were performed using Sysinfo Version 3.18

SEE PAGE 3 FOR FULL DETAILS OF THE AMAZING BLIZZARD RANGE OF PRODUCTS (ESPECIALLY THE NEW 1220) TO SUIT YOUR AMIGA AND AT A PRICE TO SUIT YOUR POCKET!

GREAT VALUE POWERPLAY GAMES PACK



HARWOODS EXCLUSIVE POWERPLAY GAMES PACK

GREAT BUNDLE OF 18 EXTRA GAMES TO ADD TO YOUR AMIGA, YOU WON'T NEED TO BUY MORE FOR AGES!!!

Xenon 2 Megablast*, Stir Crazy, TV Sports Football, Hostages, Jumping Jackson, Bubble Plus, Bloodwych, Tin-Tin on the Moon, Krypton Egg, Purple Saturn Day, Eliminator*, Skychase, Safari Guns, Lombard RAC Rally, Captain Blood, Strike Force Harrier*, Sky Fox II and Lancaster

only...**£19.95** *Not compatible with A1200/3000/4000

AMIGA CD32 SPECTACULAR VOYAGE

NEW...NEW... Amiga CD32 SPECTACULAR VOYAGE PACK

Including great games...

MICROCOSM AND CHAOS ENGINE

Plus While Stocks Last...

DANGEROUS STREETS, DIGGERS, OSCAR AND WING COMMANDER!!!

ONLY... **£299.95**



SEE PAGE 1

AMIGA MONITORS FOR EVERYONE



LOWEST COST COLOUR MULTISYNC AVAILABLE!!!

MICROVITEC

MICROVITEC AUTOSCAN 1438

14"Colour Hi-Resolution MultiSync

.28 Dot Pitch Colour Hi-Resolution Monitor (requires separate speakers). This one is ideal for ALL Amigas, ST's, PC SVGA, Acorn etc., Conforms to the stringent Swedish MPR2 ClassB emission standards. A FANTASTIC 14" DISPLAY AT A FABULOUS PRICE...

FANTASTIC VALUE... **£299.95**

SEE PAGE 1

PHILIPS

PHILIPS PRO 2000 15" COLOUR SUPER-RES MONITOR/TV

The best of both Worlds - A Quality Computer Display AND fully featured FST High Definition TV in one! Infra red, FastText Teletext, Loop Aerial, Headphone Socket complete with FREE leads to your Amiga!

a Brilliant Combination... **£239.95**



COMMODORE 1084S COLOUR

14" STEREO COLOUR Including all Leads, Dust Cover etc. An ideal first time monitor at a great low price...

Limited Stocks: **£199.95**

COMMODORE 1942 COLOUR

14" COLOUR STEREO Inc. Leads, Dust Cover etc. (for A1200's/3000's/4000's) .28 Dot Pitch and at a new lower price

Great Value: **£349.95**

SEE PAGE 1

AMIGA VIDEO IMAGING PRODUCTS



ROMBO VIDI 12 New Version 2.0	£74.95
ROMBO VIDI 12 Sound and Vision	£94.95
ROMBO VIDI 12 Real Time	£169.95
ROMBO VIDI 24 Real Time	£239.95

SUPER BUY!

VALUE PACKED AMIGA PRINTERS

ALL our printers are supplied for immediate use including cable, paper and labels FREE OF CHARGE! Dot Matrix models also come with a tailored dust cover FREE. Specific Amiga driver software is included with EVERY printer FREE (eg. with Citizen this is the excellent Print Manager Version 2 driver).

CITIZEN COMPUTER PRINTERS

New Colour ABC Printer just announced with...



EASYSTART SOFTWARE

SEE PAGE 1

CITIZEN PRINTER RANGE...

120D+ - 9Pin Mono	£129.95
Swift 90 - 9Pin Mono	£149.95
Swift 90 - 9Pin Colour	£164.95
Swift 200 - 24Pin Mono	£179.95
Swift 200 - 24Pin Colour	£189.95
Swift 240 - 24Pin Mono	£204.95
Swift 240 - 24Pin Colour	£229.95

REMEMBER THAT ALL CITIZEN PRINTERS HAVE A TWO YEAR WARRANTY

NEW CITIZEN ABC PRINTER...

"A Printer for Everyone that can be Used by Anyone". Compact, easy to use new Citizen. Ideal for first time buyers but with capabilities to grow as your needs increase. Superb 24Pin clarity in mono (or colour with an optional kit) on standard cut sheet paper (50sht feeder supplied as standard), sprocketed paper, overhead slides, envelopes etc. and very quiet too!

Citizen ABC 24 Pin Mono Printer **£139.95**

Citizen ABC 24 Pin Colour Printer **£164.95**

NEW CITIZEN PRINT MANAGER VERSION 2...

Supplied FREE with all Citizen Printers! Higher printing resolutions and more control of your Citizen. Makes all your printing EASIER to perform. Please ask us if you require full details.



STAR DOT MATRIX RANGE...

LC100 - 9Pin Colour	£134.95
LC24-30 - 24Pin Colour	£214.95
LC24-300 - 24Pin Colour	£289.95

STAR LASER RANGE...

NEW LOWER PRICES!

LS-5	£509.95
LS-5EX	£669.95
LS-5TT PostScript	£744.95



STAR THERMAL...

SJ144 COLOUR HQ that can even print out both sign and 'T' Shirt Designs using special kits. Ask for full details **£369.95**

Canon

CANON INKJET RANGE...

BJ10sx Mono - 360dpi **£199.95** (Black or Cream Casings available)

BJ200 Mono - 360dpi, **£249.95** 250cps with auto sheet feed

BJ230 Mono - 360dpi, **£329.95** 248cps, A4/A3, ASF

BJC600s Colour - 360dpi **£544.95** 240/170cps, 8 Fonts, 12 MONTHS ON-SITE MAINTENANCE





Hewlett Packard

HP INKJET RANGE...

310 DESKJET - Mono **£229.95**

310 DESKJET - Colour **£264.95**

NEW MODELS...

520 DESKJET - Mono **£269.95**

560 DESKJET - Colour **£519.95**

EXTRAS FOR YOUR PRINTER

WE ALSO STOCK A COMPREHENSIVE RANGE OF ORIGINAL MANUFACTURERS' ACCESSORIES, PERIPHERALS AND CONSUMABLES FOR CANON, CITIZEN, HEWLETT PACKARD AND STAR PRINTERS. See details overleaf or phone us!

gordon harwood computers

Order Hotline 0773 836781

NEW STREET ALFRETON DERBYSHIRE DE55 7BP

Facsimile: 0773 831040



Harwoods have been established since 1955 providing Computer Systems since 1982. We always emphasise our quality of service which includes facilities that you may be charged for elsewhere...

the harwood Directory

In Derbyshire, Nottinghamshire and by Mail Order...
NATIONWIDE! Always with speedy delivery!

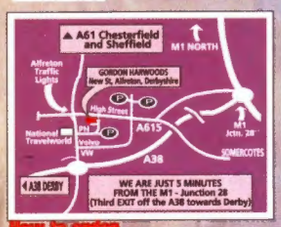
WHY BUY FROM HARWOODS?

- FREE DIRECT DELIVERY SERVICE
- FREE WARRANTY COLLECTION (see page 1 for full details)
- FREE HELPLINE SUPPORT
- CREDIT & CHARGECARD FACILITIES
- FINANCE FACILITIES AVAILABLE

VISIT OUR SPACIOUS SHOWROOM...

WHY NOT TAKE A TRIP OUT TO VISIT US AND COME AND SEE OUR FULL ADVERTISED RANGE, AND MORE! EVERYTHING IS AVAILABLE AT THE SAME COMPETITIVE PRICES (Please see opening times). THERE'S PLENTY OF FREE PARKING CLOSE BY:

We are open...
MON to SAT 9.00am til 5.30pm,
Wednesday 9.00am til 1.00pm



How to order...

BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard, Connect, Delta, Switch or Lombard Creditcharge Card quoting card number & expiry date (most Dixons, Currys, and other 'store' cards are Lombard Creditcharge and are happily accepted by us) & issue number where necessary (eg. Switch etc)

BY POST: Make cheques, bankers/building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from our latest advertisement before ordering (phone if you require confirmation).

PRICES: Please remember that for example "September issue" magazines may be on sale during July, meaning that prices and offers advertised therein (which may appear up to date), could have been changed (we often have to provide artwork to magazines up to a month before the magazine is on sale). We therefore reserve the right to alter a specific item or pack price (either up or down) in the unlikely event of the cost price we pay changing. Please please FIRST!

EXPORT: Most items are available at TAX FREE PRICES to non UK residents and service personnel. Please contact us for confirmation of export prices before ordering.

FREE DELIVERY: by Parcel Force (UK Mainland only) OR: SPEEDY NEXT WORKING DAY COURIER SERVICE. Add just £6.95 per major item for guaranteed delivery (or £10.00 for Saturday delivery), UK Mainland most regions. (Despatch normally on day of order or payment clearance). Overseas rates on request.

All listed prices are what YOU PAY, and there are NO HIDDEN EXTRAS. Prices are correct at time of going to press (Pack details may vary from time to time). Offers and Services are subject to availability and to being the latest advertised products, packs and prices. Please note goods are not supplied on a trial basis. E&OE.

AMIGA 2.5" INTERNAL HARD DRIVES



SEE PAGE 1

FREE ESSENTIAL HARD DRIVE MANUAL WITH ALL OUR INTERNAL DRIVES

WHY NOT UPGRADE YOUR AMIGA A1200 TO TODAY'S SPECIFICATIONS BY ADDING SOME **REAL STORAGE SPACE.** IT CAN BE FAR EASIER THAN YOU THOUGHT WITH OUR FREE MANUAL!

Our A1200 Hard Drives are all high quality Officially Specified 2.5" IDE Lower Power Consumption units **NOT** alternative 3.5"drives which the computer was not designed to use. All units are recognised makes (eg.Conner, Seagate, Western Digital etc.). and are supplied with driver software, fitting kit, full instructions, back up/repair utility software and a Full 1 Year Warranty. Remember you also receive a copy of our Hard Drive manual which is an invaluable source of information.

FITTED OR SELF FIT AMIGA HARD DRIVES

YOU ONLY PAY £25 FOR A HARWOODS ENGINEER TO FIT YOUR DRIVE FOR YOU and you get...

HARD DRIVE CAPACITY➤	130Mb	170Mb	260Mb
SELF FIT PRICE	£229.95	£244.95	£329.95
FITTED PRICE	£254.95	£269.95	£354.95

1. Speedy collection of your Amiga
2. Fitting by experienced technicians
3. Formatting with Workbench installation
4. Hard Disk configuration including installation of back up and repair utility software
5. FULL 12 month HARWOODS GOLD warranty for BOTH your new Hard Drive AND your existing computer! (see our "Gold Service")
6. Courier delivery back to you.

NO ONE ELSE OFFERS ALL THIS... you will normally only get warranty cover for the new Hard Drive NOT the whole computer!

Other Hard Disk Sizes may be available, phone for details. NB. although smaller sizes (eg 40 & 60Mb.) are still advertised, they're not produced in large quantities if at all. Future repair/replacement parts may be a problem. We don't therefore recommend them

AMIGA EXTERNAL HARD DRIVES

SEE PAGE 1

Now you can get an EXTERNAL Hard Drive that simply plugs into the PCMCIA slot of your Amiga A1200 and still retains its FULL Commodore Warranty!

THE EASY TO FIT ANSWER TO HARD DISK UPGRADES THAT FEATURE...

ABS Casing styled to match your A1200
2Mb./sec FAST Transfer Rates
Independent Power Supply
Installation Software and Manual
ALL Overdrives from Harwoods are pre-formatted, fully tested and ready to go!



Capacity	170Mb	212Mb	256Mb	270Mb	340Mb	420Mb	540Mb
PRICE	PHONE	£329.95	£344.95	£364.95	£399.95	£484.95	£629.95

PLEASE PHONE FOR OTHER HARD DRIVE SIZES/PRICES!

AMIGA EXTERNAL FLOPPY DRIVES



3.5" EXTERNAL DRIVES...

NEW... Amitek 3.5", £62.95 built in antivirus checker and free disk head cleaning kit

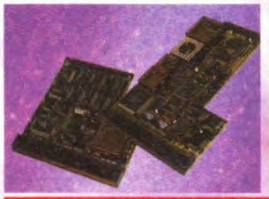
Cumana 3.5", throughport, £59.95 long cable, free head cleaner

PowerXL High Density 3.5", £99.95 1.7Mb. capacity, free head cleaning kit

FOR TOTAL PEACE OF MIND TAKE ADVANTAGE OF OUR LOW COST EXTENDED WARRANTIES

See Page 1 for extended warranties

BLIZZARD MEMORY AND ACCELERATOR BOARDS



BLIZZARD

NOW YOU CAN ACHIEVE A PERFORMANCE INCREASE OF OVER 5 TIMES!

BLIZZARD 1220/4 TURBO MEMORY

Even more powerful than its predecessor (which was given the coveted Amiga Format Gold Award).

JUST LOOK AT THE SPECIFICATION..

1. 4Mb AUTO-CONFIGURING 32Bit FAST RAM as standard (with an option of a further 4Mb to a total of 8Mb).
2. Integrated Clock Speed Doubler to run the FAST RAM at 28MHz giving overall performance increase of up to 300% compared with a standard Amiga A1200
3. Integral Battery-Backed Real Time Clock
4. Board may be disabled WITHOUT being removed for full game compatibility
5. Sockets for Maths Co-Pro (FPU) and Crystal-68881 or 68882 up to 40MHz speed.
6. Retains CBM on-site warranty for computer
7. Easy to fit in computers Expansion Trapdoor
8. Latest SMT (surface mounted technology)
9. Full 12 Months Warranty

SEE PAGE 1

ALL FOR A PRICE MANY WOULD CHARGE FOR A MEMORY BOARD £219.95

BLIZZARD 1220/4Mb BOARD	£219.95
4Mb RAM EXPANSION (Blizzards own)	£169.95
33MHz. FPU MATHS CO-PROCESSOR	£79.95

BLIZZARD 1230-II TURBO ACCELERATOR

From the makers of the acclaimed Blizzard 1200 RAM Board come both 40MHz and 50MHz Accelerators for the A1200...

1. 400-500% performance increase on all applications (when the 1230-II Board has 1Mb. or more RAM installed).
2. Optional fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Removable/Drives (Syquest, Bernoulli etc) as used on Macintosh etc.
3. 40MHz 68EC030 CPU or 50MHz 68030 CPU with MMU (memory management unit) allowing Virtual Memory Paging
4. Up to 50MHz 68882 PLCC or PGA FPU's (Maths Co-Processors)
5. Up to 64Mb of 32-Bit RAM using standard 72 Pin SIMMS
6. Battery backed real time clock
7. Easy trap door installation. Does NOT invalidate warranties

BLIZZARD 1230-II TURBO (0Mb.) 40MHz 68EC030	£244.95*
BLIZZARD 1230-II TURBO (0Mb.) 50MHz 68030 with MMU	£329.95
1Mb. RAM Exp, 32Bit SIMM	£49.95
4Mb. RAM Exp, 32Bit SIMM	£149.95*
33MHz. FPU Maths Co-Pro	£79.95*
NEW...SCSI-II Add On Module	£89.95

BLIZZARD

THREE ABOVE MARKED* TOGETHER JUST... £449.95



GREAT SUPRA PRODUCTS

A500/500+ TURBO 28MHz ACCELERATOR BOARDS



Compatible with ALL A500's & A500Plus (A1500/2000 versions, ask for details)...

1. Plugs into sidecar/expansion slot A500/500+
2. Speeds up Amiga - up to 4 X NORMAL speed!
3. Throughport for RAM/Hard Drive Expansion etc.

Amiga MUST have some FAST RAM (only standard A500 Plus machines do not). Any sidecar or GVP HD RAM already fitted is FAST RAM.

A1200 Performance at only...

£129.95

SEE PAGE 1

SUPRA AMIGA FAX/DATA MODEMS

14400 FAX MODEM V.32bis

Transmit and receive faxes and data at up to 14400bps. Amiga cable and modem to modem COMMS software included. (Fax software available separately SEE DETAILS).

£159.95



FAX MODEM V.32bis

Transmit and receive faxes and data at up to 14400bps. Cable and modem to modem COMMS software included. Fax software available separately. SilentAnswer Facility, L.E.D. Readout

£199.95

FAX PLUS MODEM V.23bis

Transmit and receive faxes at 9600/4800bps and data at 2400bps. Amiga cable and modem to modem COMMS software included. (Fax software available separately, see below).

£109.95

SPECIAL OFFER...

GP FAX SOFTWARE is required for any of these fax/modems to allow transmission and receipt of faxes...

ONLY £49.95

SEE PAGE 1

AMIGA RAM (MEMORY) UPGRADES



Upgrade your Amiga's RAM easily...

A500 0.5Mb RAM Trapdoor U/G with Clock	£32.95
A500+ 1Mb RAM Trapdoor U/G with Clock	£39.95
A600 1Mb RAM Trapdoor Upgrade	£47.95
A600/1200 PCMCIA RAM Upgrades...	
2Mb RAM for Smart Card Slot	£119.95
4Mb RAM for Smart Card Slot	£174.95

FASTLANE Z3 AMIGA SCSII INTERFACE

A PERFECT POWER ADD ON FOR ANY AMIGA A4000 USER!!!

The only IDE Hard Drive answer for all A4000 users

1. Fast (upto 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Optical/Removable Drives (Syquests etc) as used on Apple Macintosh etc.
2. Expandable up to 64Mb of 32-Bit Fast RAM
3. Requires no Buster Chip upgrade!
4. Compatible with existing 4000's
5. 4 x 32-Bit SIMM Sockets

Exceptional Value at Only... **£329.95**

FANTASTIC AMIGA ACCESSORIES

AMIGA SOUND & MUSIC

LOW-£24.95	
NEW! Technosound Turbo 2 Sampler	LOW-£34.95
Miracle keyboard	£249.95
Music X full Vers 1.1	£24.95
Midi Interface Short complete with cable	£24.95
ZYFI Stereo Speakers	£39.95
ZYFI Pro Stereo Speakers	£84.95
Stereo Master	£29.95
Deluxe Music 2	£89.95
Maplesound	£29.95

ALFA DATA MICE

HQ Microswitched MEGA MOUSE	£12.50
HQ Microswitched superb smooth 400dpi Resolution MEGA MOUSE	£13.95
High Quality Optical Microswitched mouse	£28.95
Alpha Data Mouse Pen	£32.95
HQ Microswitched Trackball	£29.95
Auto Mouse/Joystick Switcher	£17.95

SCANNERS & GENLOCKS

Power Mono V4.0 Hand Held Scanner	£127.95
Epson GT6500 Flat-bed Scanner	£839.95
Epson GT8000 Flat-bed Scanner (inc. Art Dept. Professional)	£1179.95
Art Dept. Pro - existing scanner owners...	£124.95
Rendale 8802 Genlock	£179.95
Rocgen Genlock	£149.95

AMIGA JOYSTICKS

Zipstick Autofire	£11.95
Python 1M	£10.95
The 'BUG' Microswitched	£14.95
Konix Speedking Autofire	£12.95
Konix Speedking Analog	£14.95
Gravis Game Pad	£19.95
Full range of Quickjoy and other makes stocked	Phone!



VALUE BLANK DISKS

10 TDK 3.5" DS DD	£7.95
50 TDK 3.5" DS DD	£32.95
10 TDK 3.5" DS HD	£10.95
50 TDK 3.5" DS HD	£49.95
Certified Bulk Disks with labels:	
10 with library case	£8.95
50 Disks - only...	£24.95
100 Disks - only...	£39.95
250 Disks - only...	£84.95
3.5" Disk Head Cleaner essential for reliable loading	£2.95

AMIGA WORKSTATIONS

RSD Control Centre & Monitor Plinth with shelf:

For Amiga A500	£47.95
For Amiga A600	£39.95
For Amiga A1200	£47.95

MOUSE MECHANIC TOOL

Universal no fluid mouse cleaner. Use over and over! £4.99 +50p p&p



WE'VE SHOWN A SMALL SELECTION OF AMIGA ACCESSORIES HERE. WE'VE LOTS MORE!!!

AMIGA BOOKSHOP



ASK ABOUT OUR WIDE RANGE OF BRUCE SMITH BOOKS

Amiga 1200 Insider Guide	£14.50
NEW! Amiga Assembler Insider Guide	£14.50
Mastering Amiga Assembler	£21.95
Mastering Amiga Beginners	£18.50
Mastering Amiga Dos V2 Vol.1	£18.95
Mastering Amiga Dos V2 Vol.2	£18.50
Mastering Amiga Dos V3	£19.50
Mastering Amiga Dos V3 Tutorial	£19.50
Mastering Amiga AMOS	£18.50
Mastering Amiga AREXX	£19.50
Mastering Amiga System	£24.95
NEW! Mastering Amiga Printers	£18.50
NEW! A1200 Next Steps	£14.50
NEW! A1200 Beginners Pack. Including: 2 Starter Books, Video & Tutorial Disks	£37.95

LOTS MORE BOOKS TOO - PHONE!!!

AMIGA SOFTWARE BARGAINS

WE HAVE LISTED JUST A SELECTION OF OUR AMIGA SOFTWARE. WHY NOT ASK US TO QUOTE A PRICE FOR ANYTHING NOT LISTED YOU MAY BE SURPRISED AT OUR GREAT PRICES!

AMIGA WORD PROCESSING AND PUBLISHING

Pen Pal V1.5	£34.95
Final Copy II Release 2-AGA	£69.99
NEW...Final Writer	£114.95
The Publisher	£39.95
Professional Page V4.1	£129.95
Pagesetter III	£47.95
Wordworth 2 - AGA	£99.95
Softfaces 1 to 4 (for FCII)	£39.95
Softclips 1 to 4	£29.95
Softwood ProperGrammar 2: (Grammar & Spelling checker, for ALL Amiga Word Proc.)	£39.95



INTEGRATED AMIGA TITLES AND DATABASES

Mini Office FEATURING... Word Processor, Spreadsheet, Database and Disk Manager... FULLY INTEGRATED!	£39.95
Superbase Personal 2	£29.95
Superbase Personal 4	£114.95

VIDEO SOFTWARE FOR AMIGA CREATIVITY

Scala 500 Home Titler	£74.95
Scala Professional	£177.95
Scala MM202	£289.95
EditMate	£194.95
Broadcast Titler 2 - SVGA	£174.95

AMIGA ANIMATION AND GRAPHICS SOFTWARE

Deluxe Paint 4.1	£64.95
Deluxe Paint 4 (AGA)	£74.95
NEW... Caligari	£97.95
3D Construction Kit	£36.95
Adorage Vers. 2	£37.95
Vista Pro 3	£54.95
Art Department Prof. V2.5 NEW	£149.95
DCTV Composite Video (24-Bit Graphics System suitable for PAL system TV)	£349.95
Morph Plus	£149.95
Real 3D Classic	£74.95
Real 3D 2	£399.95
Brilliance	£147.95
Pixel 3D Professional Plus	£149.95
Animation Workshop	

CAD AND DRAWING SOFTWARE FOR THE AMIGA

X-CAD 2000	£87.95
NEW Lower Prices	
X-CAD 3000	£234.95
Art Expression	£144.95
Expert Draw	£49.95

AMIGA PRODUCTIVITY SOFTWARE

GB Route Plus	£36.95
Turboprint Pro 2.0	£34.95
Mavis Beacon Teaches Typing 2	£22.95
TypeSmith	£119.95
System 3E	£34.95
Personal Finance Manager	£34.95
Arena Accounts	£84.95
Disk Expander	£32.95

AMIGA DEVELOPMENT AND UTILITIES SOFTWARE

Quarterback V6	£59.95
Quarterback Tools Deluxe (Advanced Disk/File Management)	£89.95
PC Task - PC Emulator	£37.95
Cross DOS	£34.95
Easy Amos	£24.95
Amos The Creator	£36.95
Amos Compiler	£21.95
Amos 3D	£25.95
Amos Professional	£36.95
Amos Professional Compiler	£24.95
Blitz Basic 2	£34.95
New SAS Lattice C V6.5	£269.95
Devpac 3	£32.95
Directory Opus V4	£49.95

AMIGA EDUCATIONAL SOFTWARE



AMIGA FUN EDUCATIONAL SOFTWARE FOR ALL AGES

"Micros" up to GCSE Standards Micro Science - to GCSE	£18.95
Micro Maths - to GCSE	£18.95
Micro English - to GCSE	£18.95
Micro French - to GCSE	£18.95
Micro Spanish - to GCSE	£18.95
Micro German - to GCSE	£18.95
PHONE about the "Fun School" range	
Compendium Six - 6 great titles that deal with a number of subjects to help your children have fun whilst learning a great deal	£27.95

PHONE US FOR GAMES TITLES!!!

PRINTER ACCESSORIES/CONSUMABLES

CITIZEN

	MONO	COLOUR
120D RIBBON	£3.95	NONE
90/C RIBBON	£3.95	£15.95
24/200/240 RIBBON	£4.45	£15.95

9/24Pin, 80Column Colour Kit (not 124) £27.95
24Pin, 32K RAM Expansion (not 200/240) £13.95
24Pin, 32K RAM Expansion for 200/240 £19.95
24Pin, 128K RAM Expansion (not 200/240) £32.95

AUTO SHEET FEEDER SPECIAL PRICE... All 80 Columns Models (Please state type when placing order) £84.95

STAR MICRONICS

	MONO	COLOUR
LC10/20/100 RIBBON	£3.95	£5.95
LC200 RIBBON	£5.95	£10.95
LC24/200 RIBBON	£6.25	£12.45
LC24-30 RIBBON	£3.95	----------
SJ48 INKJET CARTRIDGE	£15.95	NONE
SJ144 INKJET CARTRIDGE	£10.95	£12.95

AUTO SHEET FEEDERS: All 80 Column Models... (Specify type when ordering) £84.95

Canon

INKJET CARTRIDGES:

BJ10ex/sx*	£15.95	BJ800-Black#	£16.95
BJ200/230§	£15.95	BJ800-Cyan#	£21.95
BJ600-Black	£6.95	BJ800-Magenta#	£21.95
BJ600-Cyan	£8.95	BJ800-Yellow#	£21.95
BJ600-Magenta	£8.95	(Also for... *Apple StyleWriter I... # Apple Colour... § Apple StyleWriter II)	
BJ600-Yellow	£8.95		

SHEET FEEDER SPECIAL PRICE... BJ10sx in White or Black to match your printer £54.95

hp INKJET PRINTERS

INKJET CARTRIDGES:	MONO	COLOUR
Deskjet/Deskwriter £24.95 (DoubleLife)	£27.95	
Paintjet	£21.95	£27.95
PAPER/TRANSPARENCY FILM:		
Single Sheet		£18.95
Z-Fold		£20.95
Transparency Film (50 Sheets)		£49.95

SHEET FEEDER SPECIAL PRICE FOR THE HEWLETT PACKARD HP 310 PRINTER £49.95

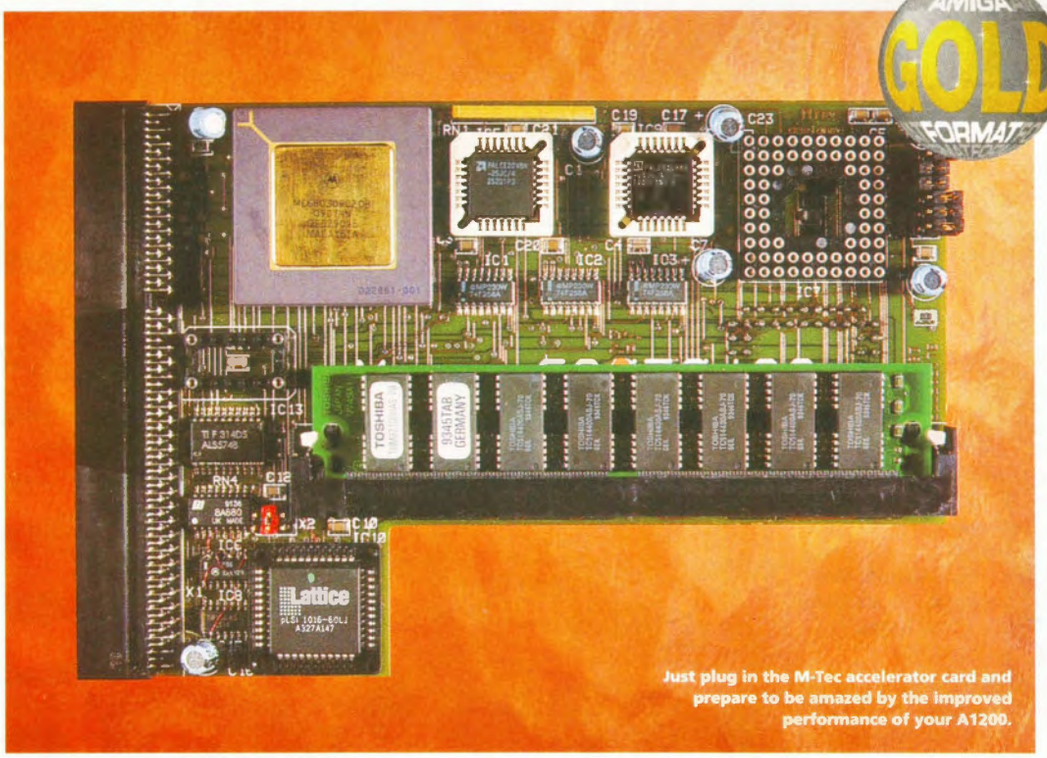
gordon harwood computers

Order Hotline 0773 836781

Dept. amf/K2 NEW STREET ALFRETON DERBYSHIRE DE55 7BP

Facsimile: 0773 831040





Just plug in the M-Tec accelerator card and prepare to be amazed by the improved performance of your A1200.

M-TEC T1230/28

John Kennedy, who recently spent a fair amount of money on an A4000/30 discovers that the new M-Tec accelerator card can give his A1200 the speed and power of the big box Amiga, and more.

THE DIFFERENCE THAT fitting a new card into the A1200's trapdoor can make is staggering. Although the standard 68020 processor in the A1200 was considered quite butch a year or so ago, it's now starting to show its age. It's roughly equivalent to a PC with a 286 processor, and if that means anything to you, you'll know it's not quite the bee's knees. As a result, an unexpanded A1200 can crawl a bit – especially with the dawn of new era of page publishing software.

Adding extra Fast RAM usually makes a huge improvement, but for best results you really need to add a new and faster processor. This is quite straightforward; but the fact that there is only one trapdoor means that it is essential to get it right first. The main problem up to now has only been one of economics, because the options are not cheap. Both the GVP and Microbotics cards are pricy, and when the cost of a decent 4Mb SIMM (Single In-line Memory Module) is included – essential to take full advantage of the processor's speed – it all starts to be prohibitive.

The German company M-Tec have decided to cut out the extras, and offer a budget 68030 card at a sensible price. The replacement CPU chips aren't clocked at staggering speeds (28MHz), but neither do they cost the earth. Also missing is a battery-backed clock (so what?) and you can't replace the trapdoor lid. Perhaps with a bit of judicious pruning the lid could be coaxed back into place, but unless you move your Amiga around a lot, this shouldn't be a problem.

Fitting the card is simple, the hardest part for me was trying to replace a small circuit jumper which accidentally dropped off a set of unknown pins. I got it right with my second guess, and when I flicked the power switch the benefits were noticeable immediately.

The A1200 has a processor-driven hard drive IDE interface as standard, which means the faster the processor, the faster the drive works. With the M-Tec card in

PROCESSORS BY NUMBERS

All of the processors used in the various models of Amiga are manufactured by Motorola, and are members of the 680x0 family. The first Amigas used the 68000 processor, but from the A1200 onwards the more modern 68020 has become the entry level device.

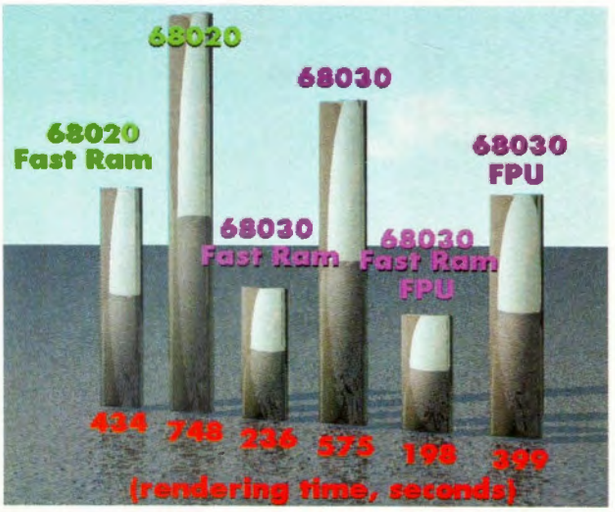
The 68020 is better than the 68000 for several reasons – it's a proper 32-bit processor, it runs faster, it can be clocked faster, and it can support an FPU – but the 68030 is even more powerful. It has all the benefits of the 68020 plus a few more besides with larger speed-up caches, several more instructions and more power.

The 68030 is available in an economy or EC version, which comes without a memory management unit (MMU). The original A4000/030 came with an 68030EC as standard, clocked at 25MHz.

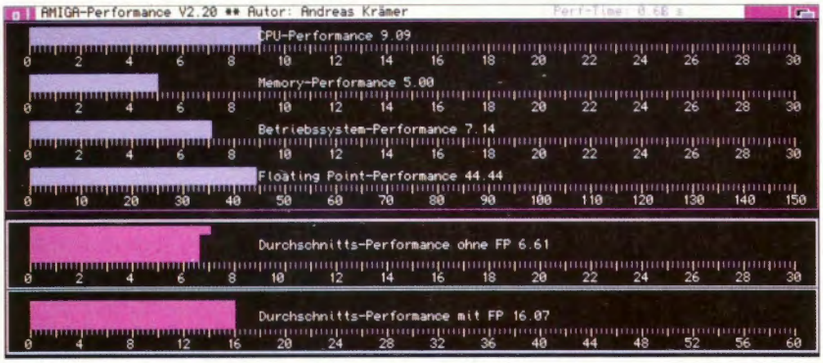
The M-Tec card uses a full MMU-enabled 68030, which opens up some useful options for power users. For starters, programs such a *Gigamem* need an MMU to provide virtual memory, a technique which enables hard disk space to be used as system memory, and 4Mb of hard drive is a lot cheaper than a 4Mb SIMM.

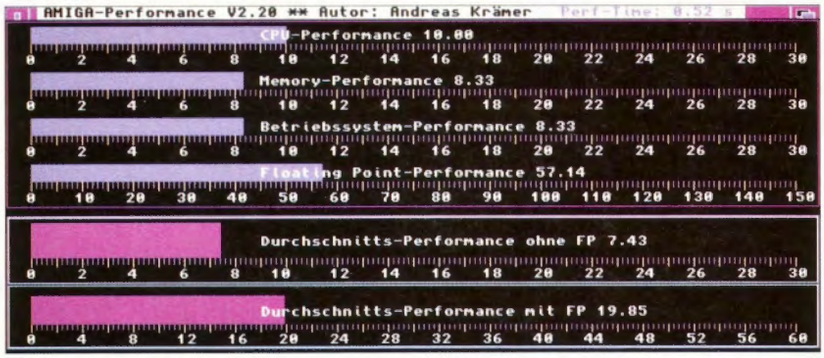
Virtual memory is incredibly useful if you use a lot of 24-bit pictures – in fact, rumour has it that *Gigamem* was written especially for *Art Department Pro* users. An MMU is also essential for serious software development. With a program called *Enforcer*, the MMU can be used to 'fence in' a test program, to make sure it doesn't try to overwrite other areas of memory.

Finally, the MMU can be used to re-map the Amiga's ROM-based Operating System into RAM. Because the extra 32-bit Fast RAM works faster that ROM, this produces a slight increase in speed.



This graph attempts to indicate how much of a difference the M-Tec card makes to 3D image rendering speeds. The 68020 figures are for a standard 68020-based Amiga both with and without extra Fast memory; the 68030 values were all produced using the M-Tec card, with and without the extra Fast memory and FPU. An important feature is the difference that adding Fast memory makes – it's more important than adding an FPU.





The supplied testing software put to work on the beefed up A1200 (bottom) and the standard A4000/030 (top). Unfortunately these results aren't wholly accurate because the image grabbing process itself took some processor time, but the fact that the M-Tec card runs faster than the A4000 should be evident.

place, it took less than half the usual time for the Workbench to load from my sluggish Seagate hard drive and checks showed that the drive was working extremely quickly: a very nice bonus.

This little card had improved the speed of the A1200 to the extent that it now runs faster than my rather expensive A4000/030 dream machine! The extra memory means that intensive programs have some more room to breath (I've decided that 6Mb of RAM is a good minimum) and the extra processing power gives the A1200 some real welly.

If you use 3D programs, such as *Imagine* or *Real 3D*, you will definitely notice an increase in rendering times, and games such as *Frontier* seem like new.

At this price, the M-Tec card is a bargain. You want the speed of an A4000? No problem – buy an M-Tec today.

WHAT'S THE POINT?

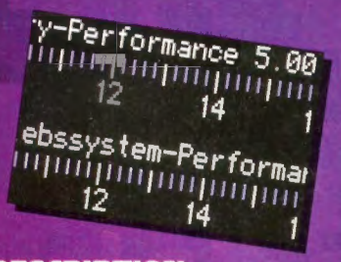
Like most cards for the A1200, the M-Tec T1230 has a socket for a maths co-processor, also known as a Floating Point Unit, or FPU. All an FPU does is sums – but it can do them extremely quickly. Even more quickly than Carol Voordeman on *Countdown*, who by the way, has an IQ of 167.

A standard 68020/68030 doesn't understand much in the way of arithmetic beyond simple addition and subtraction, therefore for really tricky sums, the Amiga needs to use special library routines.

These routines are really programs in their own right, which means they take time to execute. On the other hand, the FPU is built to do sums, and so if a program is designed to take advantage of an FPU, it works more quickly when one is present.

FPU chips are available in different speeds and work independently of the speed of the main processor. However, if an FPU is clocked faster than the main processor, the slight performance increase means that the money you have spent is hard to justify.

M-TEC T1230/28



DESCRIPTION
68030 accelerator card for the A1200

MANUFACTURER
M-Tec

DISTRIBUTOR
Power Computing 0234 273000

PRICE
£159 with no RAM
£319 with 4Mb of RAM

RELEASE
Out now

SPEED ●●●●
Extra memory speeds up the A1200, but a 68030 really pushes it. This card isn't the fastest, but it's still fast.

MANUAL ●
A photocopied diagram in German does not constitute a manual. This is bound to change, but all you need to do is plug it in, so you can't go wrong.

ACCESSIBILITY ●●●●
I'd prefer to be able to take the card out every once in a while so I can learn to appreciate it better.

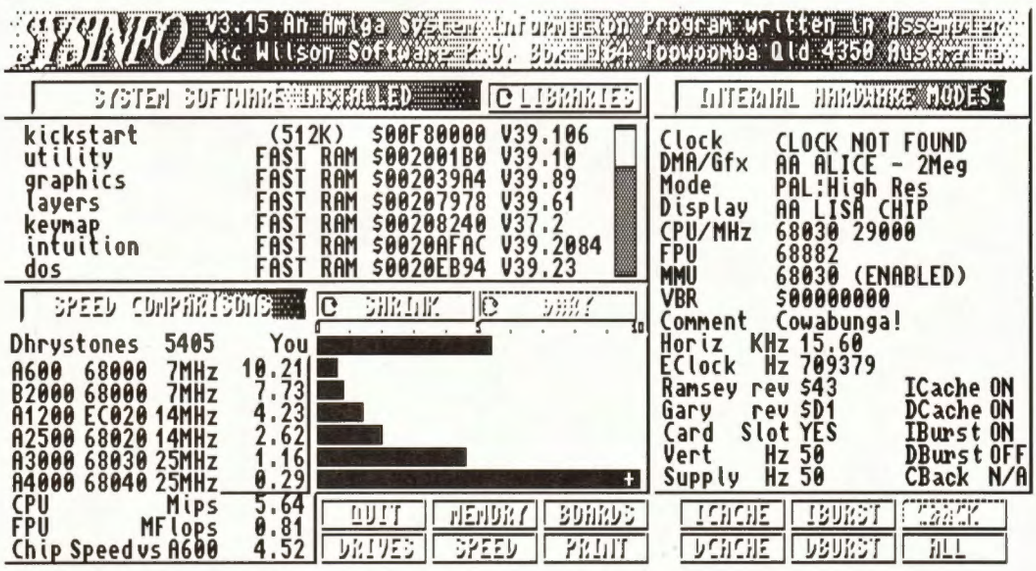
FEATURES ●●●
No clock, so expansion and only one SIMM socket. Cheap and cheerful.

VALUE ●●●●●
The M-Tec's excellent price makes it a serious alternative to memory-only expansions.

VERDICT

"Every A1200 needs some extra memory in order to unleash its true potential. Add one of these cards and you will create an A4000-beating monster machine."

90%



Here's a pretty good benchmark – the *SysInfo* program. Run a copy of this freely distributable program on your Amiga and compare the results. If it makes you feel any better, my A4000/030 'only' returned 4.48 Mips (millions of instructions per second) and 0.72 Flops (millions of floating point operations per second).



ACTION REPLAY MK 3

Designed and Manufactured by DATEL ELECTRONICS

FOR THE AMIGA A500/500+ £59.99
FOR THE 1500/2000 VERSION £69.99

THE WORLDS MOST POWERFUL FREEZER-UTILITY CARTRIDGE

JUST LOOK AT THE UNMATCHED RANGE OF FEATURES

SAVES THE ENTIRE PROGRAM IN MEMORY TO DISK
Special compacting techniques enable up to 3 programs to fit on one disk. Now saves directly to disk as Amiga Dos - reloads independently of the cartridge - even transfer to hord drive! Works with up to 2 Megs of Ram - even 1 Meg Chip Mem (Fotter Agnus).

NEW **SUPER POWERFUL TRAINER MODE**
Now with DEEP trainer. Even better than before - allows you to generate more or even infinite lives, fuel, ammo. Perfect as a Trainer Mode to get you past that "impossible level. Easy to use.

IMPROVED SPRITE EDITOR
The full Sprite Editor allows you to view/modify the whole sprite set including any "attached" sprties. PLUS A RANGE OF IMPROVED FEATURES.

VIRUS DETECTION
Comprehensive virus detection and removal features to protect your software investment. Works with all presently know viruses.

NEW **BURST NIBBLER**
Now this super disk copier program is built into Action Replay MK III. Just imagine a superfast, efficient disk copier program at the press of a key - no more waiting.

SAVE PICTURES AND MUSIC TO DISK
Pictures and sound samples can be saved to disk. Files are saved directly in IFF format suitable for use with all mojor graphic and music packages. Samples are displayed as screen waveform.

NEW **PAL or NTSC MODES SELECTABLE**
Useful for removing ugly borders when using NTSC software. (Works only with newer Agnus chips).

NEW **SLOW MOTION MODE**
Now you can slow down the action to your own pace. Easily adjustable from full speed to 20% speed. Ideal to help you through the tricky ports!

MANY MORE INSTANT CLI COMMANDS
like Rename, Relabel, Copy, etc.

NEW **RESTART THE PROGRAM**
Simply press a key and the progrom will continue where you left off.

FULL STATUS REPORTING
At the press of a key now you con view the Machine Stotus, including Fast Ram, Chip Ram,RomDisk, Drive Status, etc.

POWERFUL PICTURE EDITOR
Now you can manipulote and search for screens throughout memory. Over 50 commands to edit the picture plus unique on screen status "overlay" shows all the information you could ever need to work on screens. No other product comes close to offering such dynamic screen handling of frozen programs!!

NEW **JOYSTICK HANDLE**
Rallows the user to select Joystick instead of Keypresses - very useful for many keyboard programs.

MUSIC SOUND TRACKER
With Sound Tracker you can find the complete music in programs, demos, etc. and save them to disk. Saves in format suitable for most track player programs. Works with loads of programs!!

AUTOFIRE MANAGER
From the Action Replay III preference screen you can now set up autofire from 0 to 100%. Just imagine continuous fire power! Joystick 1 and 2 are set separately for that extra advantage!

NEW **IMPROVED RAM EXPANSION SUPPORT**
Now many more external Ram Expansions will work with all Action Replay III commands.

DISKCODER
With the new "Diskcoder" option you can now 'tag' your disks with a unique code that will prevent the disk from being loaded by anyone else. "Tagged" disks will only reload when you enter the code. Very useful for security.

NEW **SET MAP**
Allows you to Load/Save/Edit a Keymap.

PREFERENCES
Action Replay III now has screen colour preferences with menu setup. Customise your screens to suit your tatse. Very simple to use.

DISK MONITOR
Invaluable disk monitor - displays disk information in easy to understand format. Full modify/save options.

IMPROVED PRINTER SUPPORT
Including compressed/small character command.

NEW **DOS COMMANDS**
Now you have a slection of DOS commans available at all times - DIR, FORMAT., COPY, DEVICE,etc.

NEW **FILE REQUESTER**
If you enter a command without a filename, then a file requester is displayed.

DISK COPY
Disk Copy at the press of a button - faster than Dos Copy. No need to load workbench - available at all times.

PLUS IMPROVED DEBUGGER COMMANDS
Including Mem Watch Points and Trace.

NEW **BOOT SELECTOR**
Either DF0 or DF1 can be selected as the boot drive when working with Amiga Dos disks. Very useful to be able to boot from your external drive.

PLUS A MACHINE CODE FREEZER MONITOR WITH EVEN MORE POWER!!

EVEN MORE FEATURES INCLUDING 80 COLUMN DISPLAY AND 2 WAY SCROLLING:-

● Full M68000 Assembler/Disassembler ● Full screen editor ● Load/Save block ● Write String to memory ● Jump to specific address ● Show Ram as text ● Show frozen picture ● Play resident sample ● Show and edit all CPU registers and flag ● Calculator ● Help command ● Full search feature ● Unique Custom Chip Editor allows you to see and modify all chip registers - even write only registers ● Notepad ● Disk handling - show actual track, Disk Sync. pattern etc. ● Dynamic Breakpoint handling ● Show memory as HEX, ASCII, Assembler, Decimal ● Copper Assemble/Disassemble - now with suffix names

REMEMBER AT ALL TIMES YOU ARE INTERROGATING THE PROGRAM IN IT'S "FROZEN" STATE WITH ALL MEMORY AND REGISTERS INTACT - INVALUABLE FOR THE DE-BUGGER OR JUST THE INQUISITIVE!

ACCESSORIES

MEMORY CARDS



PRORAM £14.99
1/2 Meg upgrade for A500.
Also features Chip MEM Option

RAM PLUS £24.99
Upgrade your A500 Plus to a full 2 Megs of Chip RAM.
Simple plug in card

RAM MASTER II £39.99
Expand your A500 to a full 2 Megs. Fitted in minutes. Requires Work Bench 1.3. Includes Real Time Clock - Battery backed.

MIDI MASTER



MIDI MASTER £19.99
The best selling Midi Interface for the Amiga. Full specification Midi In, Midi Thru and Three Midi out sockets. Opto Isolated.
Complete with 2 Free Midi Cables.

MICRO MIDI £11.99
Low cost Midi Interface.
Midi In, Midi Out and Midi Thru.
Opto Isolated.
Compact design.



8 BIT SOUND SAMPLER



8 BIT SOUND SAMPLER £14.99
Full 8 Bit Sound Sampling System.
For A500/1500/2000/1200.
Fits into Printer Port.
Complete Hardware/Software package including Sound Sampler and Sound Jammer Software.

ROM SHARER £24.99
Switch between versions of Kickstart to improve software compatibity. Kickstart 1.3 or Kickstart 2.0 at the flick of a switch for Amiga 500+ owners! No more to buy.

INTERNAL MIDI CARD



INTERNAL MIDI CARD FOR A2000/1500/3000 £19.99
Full feature Midi Interface - Midi In, Midi Thru and Three Midi out sockets. Opto Isolated. Complete with 2 Free Midi Cables.

MIDI CABLES £7.99 (per pair)
3 metre long genuine Midi Cables.

LOGIC 3 MOUSE £14.99
Top quality, super smooth replacement mouse. High resolution.

ACCESSORIES

VIDEO DIGITISER



REALTIME COLOUR VIDEO DIGITISER £99.99

A full Realtime colour Digitizer at a realistic price. A500/A500+ compatible.
Grab 15 Bit colour image in 1/50 second.
Double buffered display generates screen update at 5 frames per second.
24 bit IFF file save from 15 bit data.
Advanced picture editing features including cut, copy, brush, paste, undo etc. etc.
Palette controls include R.G.B. level and Gramma correction.
Standard Phono Video Input (0.5 to 2.0v) composite from Video Recorder/Camera etc.
Total package no more to buy.

HIGH RESOLUTION HANDY SCANNER



NOW ONLY £89.99

FREE PHOTON PAINT

- IFF Buffer Save 1600x1024 pixels, dual buffer, scan matching & view Buffer.
- Unlimited edit/capture facilities &keyboard control not offered by other scanners at this special price.
- Full keyboard control of most functions.
- An easy to handle Sconner featuring 105 mm scanning width & 400 dpi reolution enables you to scan graphics/text into your Amiga 500/500+/600/1200/1500/2000.
- Includes hard disk transfer to run under Workbench.
- Adjustable switches for brightness/contrast levels.
- Full sizing menu of scan oreo.
- Geniscan gives you the ability to scan images, text or graphics & even offers 200 Dpi Dual Scon Mode.

NEW Scan Grey Software included to convert half tone images to true greyscales. Includes editing, zoom & proccessing features.

- Screen grid overlay & configure menu to save parameters.
- Icon menu to select functions.
- X,Y position readout & metric sizes.
- Save images in suitable formot for most leading packages including PHOTON PAINT, DELUXE PAINT, etc.
- View window and position control ponel.
- Powerful portner for DTP that allows for cut & paste editing of images etc.

ADD A PROFESSIONAL TOUCH TO YOUR DRAWING WORK



GENIUS DIGITIZING TABLET

NOW ONLY £129.99

- With the Amiga Genitizer Graphic Tablet you can streamline the operation of most graphic ar CAD programs.
- The Genitizer Graphic Tablet utilises latest technology to offer up to 1000 dpi resolution ot the tip of a stylus.
- Complete 9"x6" digitizing area plus super accurate stylus combine to enable fast, accurate ond easy control.
- Works by "mouse emulation" so the Genitizer will work with most packages where mouse input is the usual method-Deluxe Paint, Photon Paint, CAD Packoges, etc.
- Suplied with template for Deluxe Paint.
- Full easy to follow instructions.
- This is the input method used on professional systems-now you can add a new dimension to graphics/cad.
- Fast input of drawing by "tracing" is made easy - plus "absolute reference" means you can move around the screen many times faster than by a mouse.
- The Genitizer fits in the serial port of your Amiga 500/500+ /600/1200/1500/2000 and "co-exists" with mouse.

- Unlike a mouse, the tablet gives absolute co-ordinates so that tracking and menu selections are possible from the tablet face.
- A pressure sensitive switch built into the stylus tip activates the Tablet overriding the normal mouse input. When you are not using the Tablet, you have normol mouse control.
- Complete system - Graphics Digitizer Tablet, Stylus, Deluxe Paint Template, Power Adator, Test Software, Interface Unit, plus Driver Program - no more to buy!

AS AN ALTERNATIVE TO THE STYLUS INPUT THE GENIUS TABLET ALSO HAS AN OPTIONAL FOUR BUTTON PUCK. IDEAL FOR TRACING ETC.



£29.99

GENIUS PUCK

VIDEO DIGITIZER



ONLY £48.99

NOW YOU CAN DIGITIZE PICTURES FROM ANY VIDEO CAMERA OR VCR

- Captures monochrome Pictures from TV, Video or Camara in real time.
- Screen editing features Cut, Copy, Brush, Paste & Undo.
- Fully adjustable time lapse feature.
- Save RAW, IFF or sequence files.
- Record, Ploy, Insert, Clear & Delete frames.

Disk Drive



- High Quality External Drive far all Amiga Models.
- Double Density 1MB Capacity Unformatted.
- High Grade Mechanism.
- Slimline Design.
- Matching Colour Coded Case.

Only £54.99

DATEL ELECTRONICS

HOW TO ORDER

PHONE

Access

VISA

SWITCH

0782 744707

24 HOUR MAIL ORDER HOTLINE

FAX

0782 744292

MAIL

Send Cheques, Postal Orders or credit card details to:-

DATEL ELECTRONICS LTD.
GOVAN ROAD,
FENTON INDUSTRIAL ESTATE,
FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND.

OR CALL AT OUR LONDON SHOP:-
DATEL ELECTRONICS
222 TOTTENHAM COURT RD, LONDON W1
TEL: 071 580 6460

WARNING 1988 COPYRIGHT ACT WARNING
Datel Electronics Ltd., neither condones nor authorises the use of ACTION REPLAY for the reproduction of copyright material.
The backup facilities of this product are designed to reproduce only software such as Public Domain material, the users own programs or software where permission to make backups has been clearly given.
It is illegal to make copies, even for your own use, of copyright material, without the express permission of the copyright owner, or the licencee thereof.

THAT BIT BETTER THAN THE REST

17 BIT SOFTWARE Est. 1988

52,000 MEMBERS!!

FOR THE BEST IN PUBLIC DOMAIN & CD ENTERTAINMENT, NO-ONE ELSE COMES CLOSE!

DEMO CD 2
Another stunning compilation of new PD products. This one is even better than the first! Over 600MB of Data! Get it now for £19.99 + 75p P+P

CDPD VOLUME 3
Fish from F761 to F890, ready to run from the CD! Also includes dozens of high quality 24 bit scans plus Ham and AGA H8 versions & MUCH MORE! for only £19.99 + 75p P+P!

THE 17 BIT COLLECTION
This double CD collection contains 1700 disks from our own library from disk 0001 to 2301. All the classics are included, as well as hundreds of great PD games, Demos, Music etc. Yours For Only £39.99 + £1.00 P+P

CDPD VOLUME 2
The continuation of the Fred Fish range plus the entire SCOPE & JAM ranges of disks! £19.99 + 75p P+P

17 BIT II - THE CONTINUATION!
Includes 17 Bit Disks from 2302 to 2800, Assassins Game Disks from 1 to 140 (Over 500 Games!) NZ Disks, Tbag Disks, ARUG & AMIGAN! Also includes, A FULL file search and index across our previous CDs too! AMIGA FORMAT GOLD! £19.99 +75P P&P

MULTIMEDIA TOOLKIT!
This CD contains all you need for your own Multimedia Productions! Thousands of clipart images in colour and B&W, even scaleable art! Hundreds of Adobe, Postscript & CG Fonts are also included, not to mention the 750 Modules & 2300 SFX Only £19.99 + 75p P+P

GREAT PD GAMES!

+3044 SPACE INVASION II
CLASSIC Space Invaders
+3042 A DAY AT THE RACES
Horse Racing Management
+3041 FORTRESS
Great playable demo of this excellent shareware game!
+3039 ROBS HOT GAMES #1
Compiled by our very own Rob, this disk offers 5 great games.
+3035 GALAGA DELUXE
Souped Up Galaga 92!
+3032 GALAXY BLAST
4 way scrolling shoot em up.
+3030 PROJECT BUZZBAR
Remember critical Mass!?
+3028 NOSTALGIUM
Excellent Uridium Style Shootem
+3019 SILVERBLADE
Helicopter Shoot em up
+3005 TOYBOX
Bombclear and Killer Tomatoes!?
+3003 RAISE THE TITANIC
Nice 3D game like Mercenary.
+3002 GAMES GALORE 13
The latest AGA OK game comp
+3001 GAMES GALORE 12
More games from Mr Henderson
+3000 GAMES GALORE 11
More AGA comp stuff
+2996 TASKFORCE
Superb! Remember LaserQuest?
X2993 2P GAMES 1200
AGA comp of 2 Plyr games
+2992 MEGABLOCK II
Tetris with bombs n' stuff
+2989 WAYNES WORLD PONG
Complete with SHHWING!
+2981 YAHTCY
Excellent version!
+2985 THE ULTIMATE QUIZ #1
Quiz on general knowledge
X2969 MEGABALL AGA
Great new 256 colour version!

AMIGA ANIMATIONS

+3026 FLYING LESSONS
Excellent anim, requires 2Mb
+2983 (ABC) CHARLEY CAT
"In Sickness & in Health" 3Mb
+2982 (ABC) CHARLEY CAT
"XMAS" 2MB
+2970 (ABCD) CHARLEY CAT
"Dandruff Duo" 3.5Mb
+2974 (ABC) G.I SPY
Great 3 Megabyte animation
+2940 MR HORNY ANIMATION
Great Adult(ish) animation!
+2927 (ABCD) CHARLEY CAT 4
"Moustermind" 3.5Mb
+2925 (ABC) CHARLEY CAT 3
"How to Catch a Canary" 3Mb
+2923 (AB) CHARLEY CAT 6
"Charley's at the Flix!"
+2922 (AB) CHARLEY CAT 2
"Down at the Sea!"
+2872 (ABCD) MEAN MACHINE
Great AD for Commodores CD32 by Craig Collins! 3.5Mb needed!

UTILITY DISKS

+3040 ROBS HOT STASH #1
All the more commonly asked for utils compiled by our Rob!
+3025 GOLF GURU V1.2
keeps Golfing Averages etc
+3023 TELESCROLL V2.0
Updated video titler
+3022 AMOS EYES
Create front ends for programs
+3008 LECasm V1.0a
Combined Assembler/Editor
+2991 THE DESIGNER V2.13
Includes Source. Game Design
+2988 C.A.G 3.1
"Create Adventures Games Util"
+2986 NO SAMPLER? UTILS #3
3rd in the series of sound utils
+2980 FONT FARM #5
+2979 FONT FARM #4
Mega popular font collections
+2978 ASI VIDEO TITLERS
Collection of handy video tools
X2971 RELOKICK V1.4
Add even more compatibiity!
+2962 FORECASTER V2.02A
Another upgrade for the GG's
+2951 PROCAD V1.0
Electronic PCB Designer
+2942 BBC EMULATOR
(Requires a serial cable)
+2928 THE DESIGNER V2.2
Utils for games programmers
+2921 PARBENCH
Set up Parnet on your machine
+2914 MINIMORPH V1.0
Great PD Morphing package
+2912 RADBENCH V1.7
Recoverable RAM Workbench
+2911 PAY ADVICE ANALYSER
Calculates deductions etc
+2910 SOLDERING DISK
Circuit board layouts etc. Dpaint

ODD BITSES!

+3034 F1 SOURCE
Loads of Amos Source Code!
+3024 PSYCHO IMAGINE OBS
More objects for Imagine use
+3021 GAME HELP DISK
Another disk for cheats!
+3013 VOCALS #5
+3012 VOCALS #4
+3011 VOCALS #3
+3010 VOCALS #2
+3009 VOCALS #1
Samples of voices etc for mods
+2999 FONT FARM 8
+2998 FONT FARM 7
+2997 FONT FARM 6
Over 50Bmp fonts on each disk
+2995 JOKE BOX 1
Near the knuckle! Broad minded adult only jokes disk!
+2990 NOSTROMO SOLVES V2
More help for Crap Gamesters
+2987 MAG.E ISSUE #1
Sci Fi & Fantasy disk mag.
+2976 (AB) HOLODECK 2
Superb rendered Startrek pics!

DEMO DISKS

+3033 BIOMECHANOID
Well Ambient 600K Music Mod!
+3031 HIRED GUNS MUSIC
Possibly the best ever musak!
+3029 (AB) THE MIDNIGHT HR
Original Music Composition
+3027 3D STEREOGRAM PICS
HAM Stereograms to Boggle!
+3006 SONGS FROM T'GUIDE
Rob Baxter Presents...
+2973 NEURAL ASSAULT
Excellent Dance Demo by Rage
+2968 ARTE DEMO BY SANITY
Very nice, alternative demo
+2965 NEOPLASIA - PHOBIA
Great music disk, not usual stuff
+2960 ZONE WARRIOR
Another nice music presentation
+2950 RINK A DINK (NOT AGA)
Superb new melon demo!
+2948 DREAM TRIPPIN
Digitals latest demo production
+2941 SUBTLE SHADES
Great demo by Nuance
+2919 (AB) SPACEBALLS!
9 Finger demo. If you liked State of the Art, you'll die!
SERIOUSLY GOOD!
+2915 A TASTE OF U41A
Old, but popular U4ia Toons
+2913 TYMPANIC MEMBRANE
Great new demo by PANACEA
+2879 HELIOPOLIS DEMO
Another stunning demo!
+2880 HYPNOSIS DEMO
Presented by Perspex. Great!
+2885 GROOVY BY LEMON
Another excellent production
+2876 (ABC) GRAPEVINE 18
Broad minded only need apply!
+2874 DR WHO THEMES
"Variations on disk II"

EDUCATIONAL

+3038 KIDS DISK II
+3037 KIDS DISK I
Great kids stash compilations
+3036 KIDS DTP V2.6
An update to the popular DTP
+3017 ILLUSIONS
Animated Art Package. Great!
+3007 KIDS DTP EXTRAS
Sticker, pics etc for kids DTP
+2984 A-Z PAINT
Great paint prog for young kids
+2967 SMARTY PAINTS
Serious art for kids, preview ver
+2966 KIDS DISK 3
Shareware DTP for kids
+2926 (AB) TOME OF MYTHS
Read all about those myths...
+2920 ASI BACK TO SCHOOL 3
Even more educational progs!
X2916 (AB) TUTANKHAMUN
Pics and Descs of Toots Loot! AGA
+2909 FRENCH VERB TESTER
Err, test French verbs!
+2886 AZ SPELL V2.02
Wot du ya meen ye can spel?

AGA DEMOS

X3046 (AB) BIT TIME SENSUAL
2 disk AGA extravaganza!
X3016 FAIRLIGHT FULL MOON
Superb. Fairlight do it again
X3015 NOXIOUS
Demo titled "Beyond Belief"
X3014 (ABC) INNESTATION
Present Ray World. Excellent
X2934 VOLCANO AGA
Colours bobs sounds, It's all here!
X2933 (AB) COMPLEX "ORIGIN"
One of the best AGA demos yet!
X2932 SMELLS LIKE CHANEL 5
Excellent production from ARISE
X2930 XANADU - EXPLICIT II
Another worthy AGA presentation
X2929 ABSTRAX PIG BY VIVID
Wierd name,nice demo
X2918 EMPTY HEAD AGA
Good AGA based demo
X2891 TROJAN AGA
Techno Trax II
X2826 PANTA RHEI DEMO
Great AGA demo

AGA SLIDESHOWS

X3004 (AB) SHAD ART SLIDES
Superb hand drawn and traced pictures. Ferrari and misc objects
X2977 M.C ESCHER SLIDES
S. Show of mind bending images!
X2959 JPM'S AGA PICS #5
X2958 JPM'S AGA PICS #4
X2957 JPM'S AGA PICS #3
X2956 JPM'S AGA PICS #2
X2955 JPM'S AGA PICS #1
Most of the images on the above disks are of the Fantasy Art Genre, all in 256 colour, they look superb on AGA machines!
X2931 (AB) SCAN IS LAME
Superb AGA hand drawn pics!
X2896 ERIKA (AGA)
Erika Eleniak in 256 colours!
X2863 (AB) BODYSHOP V
More lovelies in 256 colours!
X2862 (AB) FIT CHIX 3
Yet more pouting girlies
X2859 BODYSHOP III
You guessed!
X2856 (AB) FIT CHIX II
More super nice models!
X2825 (AB) BODYSHOP #4
Oooooerrr Missus! Nudge Nudge!

MISC. AGA DISKS

X3020 SWERVE AGA
Superb video backgrounds!
X2975 (AB) CHANNEL Z ISSUE 3
AGA owners disk mag!
X2964 MAD FIGHTERS
Excellent Beat Em Up like B. Blow
X2943 A1200 UTILITIES
Includes IntelOut, NewMenu II +...
X2939 AGA UTILS #3
X2938 AGA UTILS #2
Z2937 AGA UTILS #1
Popular AGA utils compilations
X2936 CHANNEL Z ISSUE 2
X2935 CHANNEL Z ISSUE 1

DEMO CD ★ SPECIAL OFFER ★
Over 650 MEG of demos, cliparts, music, slideshows, games and utilities. Not to mention over 1000 modules! £17.99 + 75p P+P

AMINET FEB 94 EDITION
The latest update of one of our best selling CD's yet. brand new Feb 94 issue in stock NOW! £19.99 +75p P&P

NEW!! "LOCK N' LOAD " CD (U.S.A)
1000 of the very latest and best public domain games, ready to run direct from the CD which even makes this one OK for CD32! Miss it at your peril! £19.99 +75p

AMFM 18 NOW AVAILABLE
One disk mag that Amiga music fans should NOT be without! £2.50 per issue

NEW!! - SPACE & ASTRONOMY CD
Includes thousands of superb GIF images & Astronomy texts from the NASA Archives since 1962! Only £19.99 +75p P&P

FINAL FRONTIER 6
★★ Calling All Star Trek Fans ★★
T.F.F is a dedicated Trek mag on 5 packed disks. Includes exclusive artwork by none other than Tobias Richter! £7.50

NOTHING BUT AMOS - DISK MAGAZINE
Issue 5 is now available on 2 disks for £4.50 N.B Amos is aimed at helping you to get the most out of Amos whether you are a beginner or already an expert! Superb!

CD32 MICROCOSM
STUNNING GRAPHICS, STUNNING SOUNDS, STUNNING GAME, "IT'S STUNNING" £39.99 +75P P&P

BJORN LYNNE PRESENTS...
Following the success of "Hobbits & Spaceships" comes the stunning new release "MONTAGE". Over 70 mins of Digital Audio, arranged on Amigas for the ultimate in stereo synth! £14.99 +75p P&P

ORDERING

BY PHONE
(0924) 366982
Access, Visa, Switch
We now accept
AM-EXPRESS

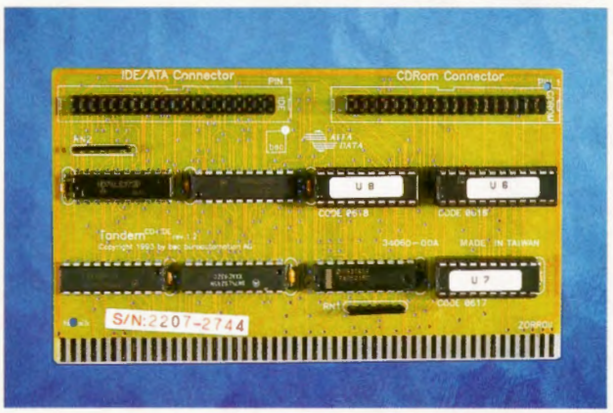
BY FAX
(0924) 200943
Please leave your order and credit card details

BY POST
Please send Cheques/PO's to:-
17 BIT SOFTWARE
1st Floor Offices,
2/8 Market Street, Wakefield,
West Yorkshire WF1 1DH

DISK PRICES
1 to 10 Disks £1.50 Each
11 to 20 Disks £1.25 Each
21 Disks or More £1.00 Each
1 FREE DISK
WITH EVERY 10 YOU BUY
P&P is 50P PER ORDER

TANDEM IDE
CD-ROM controller

Big box Amiga owners who can't wait for Commodore to come up with a CD-ROM controller should take a good look at the Tandem, says Richard Baguley.



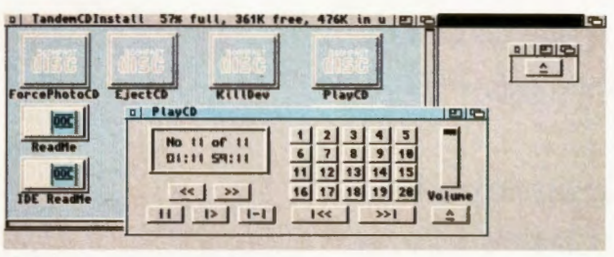
The Tandem IDE CD-ROM controller helps you get your Amiga connected.

BY NOW YOU will no doubt be itching to get into the wonderful world of CD-ROM. It's definitely the up and coming thing, but Commodore have still not announced any solid plans for a CD-ROM drive for the big box Amigas such as the A3000 and A4000.

Fortunately, German hardware wizards BSC have come up with a solution in the form of the Tandem CD and IDE controller. This is a Zorro II card, so you will need an Amiga with these slots, such as the A2000, A3000 or A4000.

The Tandem is only about a third of the size of a normal Zorro card, which means that it hangs somewhat precariously from the slot, because you cannot fix it to the plates at the rear of the machine. There is a slim chance it could work its way out and touch the card below, but if you put a small piece of plastic between the two cards there should be no problem.

Before you can get anywhere with this card, you are going to need a CD-ROM drive. This controller is designed to work with Mitsumi devices, and BSC don't guarantee that it will work with any other type of drive. Although Mitsumi devices aren't widely advertised in *Amiga Format*, they are available from many dealers who advertise in PC mags such as *PC Plus*.



Included with the controller are several tools, including an audio CDplayer and a disk ejector.

The list price of the drive we tested, the FX001D, is £199, although expect to pay around £176.25 from a dealer. You can also use the Mitsumi LU005, which costs £117 (for both try Phoenix, 0532 350091).

The speed at which data is transferred depends, as you would expect, on the speed of the CD drive, but the controller fully supports double speed drives, so you can expect to get about 300K a second out of a double speed mechanism such as the FX001D. This means that the drive will double the speed at which the disk spins, thus doubling the rate at which the data is read from the CD.

The controller also incorporates an IDE interface, so you can add another hard disk or a removable disk such as the IDE Syquest from Power Computing (0234 843388). The CD-ROM drive and the IDE drive can be used at the same time, and the Syquest achieved a respectable data transfer rate of 1.2Mb per second on this controller. But remember, you can't boot up from the CD-ROM or the IDE drive because this controller only adds devices during the startup sequence.

The controller is also accompanied by a solitary floppy disk, which contains all of the drivers and other items you need to get running. This includes an install program to make sure everything is in the right place on your disk.

Among the utilities are an audio CD player and a program that enables you to load and eject CDs from Workbench by clicking on a button. Although a hard disk isn't vital, it is definitely recommended.

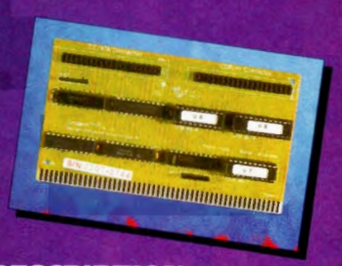
> "The Tandem is only £70 and the combination of this with the comparatively cheap CD-ROM drive make it a real alternative to a SCSI CD-ROM drive."

At the moment, the driver does not support multi-session CDs, but BSC have promised this as a free upgrade in the near future. This will really only be useful for Photo CDs which have had more than one set of pictures put on to them, so it's no great problem.

The only really depressing aspect of this interface is the fact that you get a PC-compatible interface bundled with the drive, which is completely useless for Amiga users. However, it does make a nice piece of abstract sculpture if you jump up and down on it a few times.

The Tandem is only £70, and the combination of this and a comparatively cheap CD-ROM drive make it a real alternative to a SCSI CD-ROM drive. It might also find a place in your set up if your SCSI bus is full, or if you want to add another hard disk to your A4000, but already have two fitted.

TANDEM IDE



DESCRIPTION
CD-ROM controller/CD-ROM drive

MANUFACTURER
BSC/Mitsumi

DISTRIBUTOR
Golden Image 081-365 1102
Mitsumi 0276 29029

PRICE
£69, controller
£169, drive

RELEASE
Out now

SPEED ●●●●
Fully supports double speed CD-ROM drives, and the IDE interface is no slouch either.

MANUAL ●●●
A few read me files on the disk give you all the stuff you need, but it's very easy to install.

ACCESSIBILITY ●●●●●
All of the necessary cables are included, so you just have to plug it in and you're off.

FEATURES ●●●●
Does its job without any fuss and bother. The utilities are very useful.

VALUE ●●●●
A CD-ROM and IDE interface in one package for this price can't be bad, although PC owners get the CD-ROM one for free.

VERDICT

"The Tandem is a low-cost CD-ROM interface which works well and has the added benefit of a very fast IDE controller for hard disks or removable media. The only problem might be finding a supplier of IDE CD-ROM drives."

85%

On sale now!



This is the first issue of a new magazine which is guaranteed to become a part of your life – if you own, or plan to get, a CD-ROM drive for your Mac or PC.

And it's more than just a magazine – it's a whole package, complete with an amazing 650Mb dual-format CD-ROM disc to give you hours of fun, interest and information. Try it – buy it!

The Best Selling Word Processor and Database just became even better...

VALUE!

Since its launch, Pen Pal has become the most popular package of its type

Not surprising when you consider the extensive features at your fingertips, combined with user friendly simplicity, it was bound to be a winner! In a comprehensive Word Processor test, Amiga Format commented "There is little to fault Pen Pal, it deserves to do well" - quite a prediction it seems! Format have since said that it's "Still the best value for money..." If you're not a Pen Pal user yet, we hope you soon will be, because at just £39.95... the best just became better, even better value!

Pen Pal

A superb package, with immense power, to fulfil all your Word Processing needs, and... with an integrated Database too! It's all so easy to use, you'll rarely need to refer to the extensive 250 page lay-flat spiral bound manual. Users frequently tell us that they've never found a program they get on with so well.

THE WORD PROCESSOR: You can... Open multiple documents simultaneously; search and replace; cut, copy and paste; check your spelling with a 110,000+ word dictionary; import your favourite IFF/HAM graphics, from programs such as DPaint, or Clip Art files in various sizes and colours; automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles) in different sizes and colours to suit your design... Even as you type!

Full Page View with position, edit and creation of graphic objects and extremely useful forms designer. All this from a word processor and... Much, Much, More! As you can see from the documents shown on the left, this is no ordinary program!

THE DATABASE: With 32 fields per record, 32,000 records per database and a fast sort of 1000 records in less than 5 seconds, this is a *real* database. Mail merging into the Word processor couldn't be simpler, with easy creation of templates for letters or reports, into which information can be merged.

AND... Remember, Pen Pal comes with full support for the new or experienced user completely free! Friendly help for all registered owners is just a phone call away.

SoftWood - Quality software for your Amiga

*With Pen Pal you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop **just** for Amiga and **no other** system. Once you're a registered SoftWood product owner your investment is protected as you'll have access to unlimited free technical support [others charge you] and preferential upgrades to other SoftWood titles, both existing and future. Exciting new products are being developed right now. Pen Pal - your first step on the SoftWood ladder of Amiga software*

Pen Pal is available from all good Amiga software Dealers or from SoftWood. Call for your list of stockists.

SoftWood Products Europe
PO Box 19 Alfreton
Derbyshire DE55 7RW England
Tel: 0773 836781 Fax: 0773 831040

Pen Pal is compatible with any Amiga from A500 to the latest A1200/A4000 ranges with a minimum of 1 Mb. available free memory.

EPIC

Order hotline. **0793 490988**

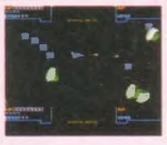
VISA MasterCard EUROCARD Access

Selected *Amiga* Software for the selective *Amiga* user.



If you're new to computers then you may want to improve your typing skills, if you do then this software will take you step by step until you become competent.

[]TYP3-1. *TYPING TUTOR* *Only £3-00*



An amazing 101 games, including classics like: Space Invaders, Tetris, Pacman, Missile Command, Snakes & a load of platform, puzzle & shootem up games.

[]GG10-4. *101 AMIGA GAMES* *Only £10-00*



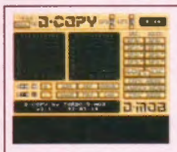
Eight disks of selected colour clip fonts, from 8 point 8 colour to 60 point 32 colours, you'll find loads of useful fonts in this great collection. All fonts are stored as IFF(*dpaint*)

[]CLF15-8. *COLOUR FONTS* *Only £15-00*



A collection of music, sound fx, fonts & other bits & pieces, to help you get the most from Black Legend's powerful demo maker.

[]DME8-3. *DEMO Maniac EXTRA'S* *Only £8-00*



To make a backup of your precious games you're going to need a copier that is very powerful, well on these two disks you have the most powerful Amiga disk copiers available.

[]CPY5-2. *DISK COPIERS* *Only £5-00*



If you've just purchased your Amiga then you may be a bit boggled about how to use it properly, well this five disk set will see you right. The complete beginners guide.

[]ABG9-5. *BEGINNERS* *Only £9-00*



*PARNET lead available @ £20-00

Connect your Amiga to either a PC, Amiga or CDTV, and access any drive with ease, and transfer any information TwinX & Parnet are the best Amiga networking software titles available.

[]COM8-3. *NETWORKING* *Only £8-00*



The complete package, Features Text Engine, Spell checker, Grammar checker, & 600 business letters. Perfect for home or business.

[]WPR7-3. *WORD PROCESSING* *Only £7-00*



If you're looking for a collection of card games, including Poker, Solitaire, Craps, Rummy, Spades etc. An absolute bargain!

[]CRD10-4. CARD GAMES *Only £10-00*



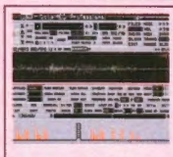
Five disks full with Workbench2/3 software Virus killers, menu tools, text editors, diagnostics tool etc. Over 60 different tools for use in Workbench2/3. The Essential collection.

[]WBT7-5. *WORKBENCH TOOLS* *Only £7-00*



Speed up the access of your disk drives, with this memory resident disk accelerator. Runs quietly in the background of your workbench. Pack also contains other titles.

[]TDK4-2. TURBO DISK *Only £4-00*



A five disk collection of samples ranging from vocals, Break beats, drums, guitar, and other instruments, over 200 samples in all, all are of the highest quality. Perfect for MED etc.

[]SAM7-5. *SAMPLES GALORE* *Only £7-00*



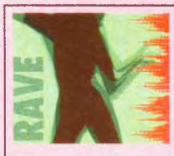
Includes: DLD. Power-Packer. Crunch Mania, LHA, LHZ, & DMS to compact a whole disk into one file, everything you'll ever need to archive or de-archive any file any where.

[]CRM5-2. *CRUNCH MANIA* *Only £5-00*



Double the space on your Hard disk, if you've got an 80meg you'll have over 150meg with this safe hard drive stacker, also works with floppies. Set also contains other titles.

[]EPU5-2. HD DISK STACKER *Only £5-00*



SpaceBalls State of the Art is one of the most Spectacular & popular Amiga rave demo's around, now the second part is here, even bigger and even better, 2 great disks. Unreal!

[]SBL4-2 SPACEBALLS 2 *Only £4-00*



Now you can design your own fonts for use in Deluxe Paint etc. Over 70 additional fonts are also supplied. A very easy to use package. Don't miss it.

[]FNT7-3. *FONT EDITOR* *Only £7-00*



This collection of printer tools includes a selection of the most popular drivers, label maker, address keeper, print spooler, print studio, fancy disk labeler and loads more.

[]PRT8-4. *PRINTER TOOLS* *Only £8-00*



An impressive collection of Imagine objects on a total of 10 disks. Subjects include: cars aircraft, startrek. star wars, animals and Dinosaurs.

[]IOD15-10. IMAGINE OBJECTS *Only £15-00*



2meg chip RAM only

Create professional looking front ends to your disks that look as if a professional programmer made them. Put in your own logo, music, scrolly messages Stars, copper bars etc.

[]DMO7-3. *DEMO MAKERS* *Only £7-00*



Run all your 48k Speccy software on the Amiga, very easy to use. Over 40 classic Spectrum games supplied, you can load from cassette via a standard sound sampler. *Other games available!*

[]SPE5-3. *SPECTRUM EM.* *Only £5-00*



The complete system for cataloging your Video, CD, Disk & music collection, three disks of databases to keep track of your entertainment media. All you'll ever need.

[]CTG5-3. *CATALOGERS* *Only £5-00*



Three complete account packages, for home or for small business, they are invaluable, sort out your finances with ease, no more shuffling through heaps of papers. Easy to use.

[]FIN7-3. *HOME FINANCE* *Only £7-00*



Every Amiga owner should have a virus killer. It insures that you're safe from the 600+ Amiga viruses currently invading our machines.

[]VIP4-2. VIRUS KILLERS *Only £4-00*



A must for all Star Trek fans, a four disk AGA collection of very high quality pictures of Next Generation Space craft. Including: Enterprise, Klingon & Romulon. Well over 30 Images.

[]SRT7-4. STARTREK AGA *Only £7-00*



Five of the best menu-makers available. Includes titles such as Menu Master 3, Amirage menu system, Quick menu, Mega menu and more.

[]MNU4-2. *MENU TOOLS* *Only £5-00*



Home video titling is a BIG thing on the Amiga but it can also take a BIG chunk out of your wallet, but not now. Here's six disks full of titlers, fonts, backdrops, & video wipes.

[]VID12-6. *VIDEO PRODUCTION* *Only £12-00*



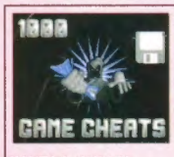
Perfect for budding cooks and chefs, this disk contains 150 excellent recipes for you to try yourself.

[]GCB3-1. COOK BOOK *Only £3-00*



The perfect partner for home or for business, features a word processor, spreadsheet, database, and diary. A powerful companion for all new & small business.

[]IFC7-3. *LITTLE OFFICE* *Only £7-00*



Cheats and Solutions for over 1000 Amiga games, ranging from Project X to Monkey Island to the Sierra range of Arcade adventures, and loads more, too many to list.

[]CHT9-5. *CHEATS* *Only £9-00*



Professional structured clip art for use in Page stream, Pro page etc. Images include: Credit card symbols, Amiga's concord, cash & flashes. High quality images.

[]CPA8-3. *PRO. CLIP ART* *Only £8-00*



Test your general knowledge with this 2 disk, 1000 question game pack, a great way to learn. Okay for all the family.

[]QUZ5-2. QUIZ MASTER *Only £5-00*



Every diagnostics tool you should ever require, test your mouse , drives, joystick, memory, keyboard, sound, etc very easy to use, and a must if you think you've got a problem.

[]ENK3-1. *ENGINEERS KIT* *Only £3-00*



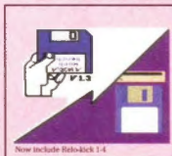
Five disks full of AGA pictures. Over 50 top quality images, all in 256 glorious colours. Each disk runs as a slide show for ease of viewing. Over 16's.

[]GRL10-5. *AGA PICS* *Only £10-00*



Over 50 fonts for use in Wordworth & Pagestream. Every font will give you a very professional quality print out. Fonts can be used from 3 point to as large as you like.

[]PSF7-3. *Wordworth FONTS* *Only £7-00*



Now include Blitz-Kick 1.4

If you've just got your A1200, you're probably having problems running older games, if this is the case, get hold of this. It quite simply makes your A1200 into a A 500 temporarily.

[]DEG6-3. A1200 *DEGRADERS* *Only £6-00*



The most professional Word searcher & crossword solver available on the Amiga. It features a dictionary of over 50,000 words, and you can even add your own if you wish.

[]WFP5-2. *WORD FINDER PRO* *Only £5-00*

ORDER FORM

Name _____

Address _____

_____

Tel_____Amiga _____

Payment method_____total Packs:_____

Price £_____+50p P&P_____=£_____

Credit card details.

Credit card no.

_____

Exp date_____

ALSO AVAILABLE.
THE COMPLETE ASSASSINS GAMES 1-160+
LSD LEGAL TOOLS. FRED FISH 1-920+
OVER 10,000 AMIGA PD DISKS IN STOCK
HUGE RANGE OF COMMERCIAL GAMES

Overseas Orders

Overseas orders are welcome, but there is a minimum order of three titles and please add £1-00 per title for first class delivery.

Collecting

You are welcome to collect your order, but you are advised to phone it through prior to collection.
Office hours: 9-30am - 5-30pm Mon - Sat.

Ordering by Post

Simply send your order in on an A4 page, listing the items you require, the total cost, and your name and address or if you wish simply mark off the items you wish to order, fill in your name etc and send this page to Epic Marketing, 1st Floor Offices, 31 Faringdon Rd, Swindon, Wiltshire, enclosing payment +P&P.

Ordering by Phone

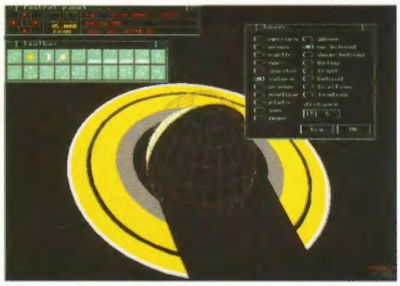
Call any time between 9-30am & 5-30pm Monday to Saturday with your credit card details and the items you would like to order.

Delivery Charges - Please add a total of 50p for PD disks in the UK & Mainland,
{} SAME DAY GUARANTEED DISPATCH ON ABOVE TITLES ADD £4-00. Most orders are despatched within 48 hours.

Epic Marketing, First Floor Offices, 31 Faringdon Rd, Swindon, Wilts. SN1 5AR

DISTANT SUNS

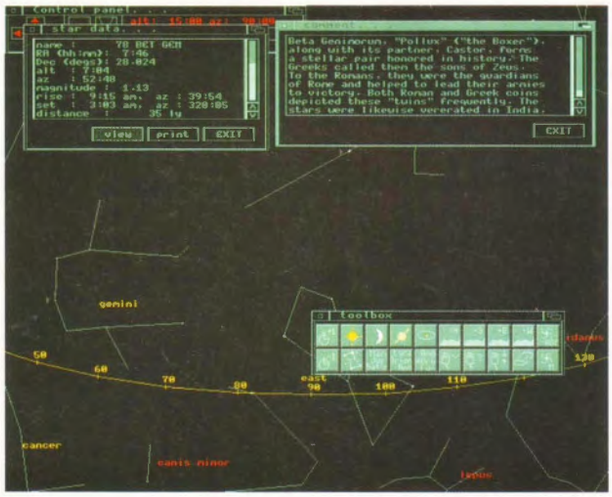
Space is big. It's so big people have written books about it. Nick Veitch helps you to explore it from the comfort of your Amiga.



The dust rings of the planet Saturn as viewed from a hovering position.

THE UNIVERSE IS a large place. From the swirling vortices of the Milky Way to the outer reaches of NGC1796, mankind has always had an urge to explore the great void with every means at his disposal. From Galileo's simple lenses to the vast bulk of Hubble, greedy eyes have scanned the windows of the heavens looking for the light from distant suns.

However, they didn't really need to bother with all that, because *Distant Suns* is a rather excellent piece of software for the Amiga. Never mind if you live in the middle of a big city and all you can see when you look up at the sky at night is the orange glow of the motorway lights reflected on a low bank of smog – you can see the universe on screen.



Not only are all the constellations clearly marked, but notable stars have text comments associated with them.

Distant Suns is a sort of home planetarium. It has information on over 10,000 astronomical objects, including stars, galaxies, nebulae and star clusters.

All you have to do is enter the time and date, the latitude and longitude of your location, and the direction in which you wish to look, and the display will show you the night sky.

Obviously this is pleasant to look at, but it is also rather useful for astronomers. The stars are not fixed, they migrate across the sky (albeit very slowly), so if you try to take a look at a particular object, especially with a high-powered telescope which gives you a limited angle of view, it helps to know roughly where to point it.

By clicking on a star or another astral body, a little box appears giving information such as its name, distance from Earth, type and magnitude. Some star clusters even have small thumbnail pictures associated with them, so you can tell whether you are really looking at the Megallanic cloud or just a smudge on the lens.

Even better, if you are a keen astronomer, you can attach your own IFF files to stars. If you had a camera attachment to your telescope and a hand scanner, you could easily keep a pictorial representation of your nightly findings.

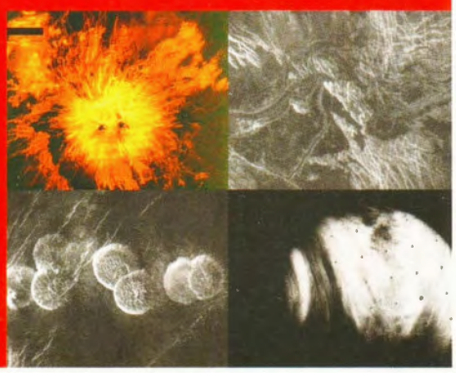
One of the more useful features of the software is the What's Up guide to the coming weeks. This gives detailed information about the rising and setting of all the planets plus information about any meteor storms or astronomical objects of interest that are on the way.

Of course, *Distant Suns* has been around for some time, but this version is more than just an AGA update. There are lots of new features, such as the inclusion of data from the Hubble space telescope and the new 3D planetary rendering system. There was a time when *Distant Suns* was challenged by Carina Software's *Voyager*. That time has passed.

ASTRONOMY DOMINE

Because the viewing date can be set anywhere from 4,713 BC to 10,000AD, you can display the night sky as it would have appeared at any time in history or at any time in the future.

Imagine setting the date to around 10 minutes BC and selecting Bethlehem as your location, or perhaps even popping back a few years to witness Halley's Comet or the Jupiter Effect when all the planets lined up.



These images of Venus are interesting, but unfortunately they are not explained by the program.

DISTANT SUNS



DESCRIPTION
Astronomy software

MANUFACTURER
Virtual Reality Lab.

DISTRIBUTOR
Meridian 081-543 3500

PRICE
£69.95

RELEASE
Out now

SPEED ●●●●
Considering the calculations which must be made, the screen refreshes are fast – less than a second.

MANUAL ●●●●●
Although it is only an A5 ringbound job, the manual is excellent and goes far beyond demonstrating how to use the software.

ACCESSIBILITY ●●●●
The menu options are a bit overwhelming at first, and many of them could have been replaced by a panel with check boxes on it.

FEATURES ●●●●●
It is difficult to think of what more could possibly be added.

VALUE ●●●●●
The Galaxy is all yours for the price of a couple of games. *Distant Suns* is outstanding value.

VERDICT

"The excellent Distant Suns gives you the power to explore and understand the universe. I have never felt more confident in awarding an Amiga Format Gold to a piece of software."

93%

INDI DIRECT MAIL

is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.
A mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products.
With a group turnover approaching £30 million per annum, INDI have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

No Deposit Credit 5 Years to Pay

INDI are now able to offer competitive credit facilities on all orders over £100. Payment can be over 12, 24, 36, 48 or 60 Months and can include insurance to cover repayments in the event of sickness or unemployment All credit facilities are subject to status and applicants must be over the age of 18. If you would like a quote, simply call our sales line where acceptance can normally be notified within the hour.

Express Cheque Clearance

Simply write your cheque guarantee card number, name and address on the back of your cheque and we will normally be able to despatch your order the day that we receive your cheque. Cheques, received without a cheque guarantee card number, will normally clear within a maximum 7 working days.

INDI TELESALES
TEL 0543 419999 FAX 0543 418079
9am - 7pm Monday to Friday
9.30am - 4.30pm Saturdays

Don't send any Money until you are 100% certain that any advertiser has the product that you want in stock and will deliver to you immediately.
Far too often we receives letters from customers who are finding it difficult to obtain a refund from an advertiser that has promised to supply but hasn't.
To give you the confidence to buy from INDI, we have joined the DMA, a very important Independent Authority that demands the highest possible standards from its members. DMA members agree to abide by the British Code of Advertising Practice and to subscribe to the Advertising Standards Board of Finance (ASBOF). Look out for the DMA Symbol. It is your guarantee signifying to the customer the truly professional edge of the Industry.

£25 OFF Spectacular Voyage CD32 Pack
No deposit credit terms available

ONCE AGAIN INDI BRING YOU THE BEST DEAL IN TOWN WITH A FULL £25 OFF THE FABULOUS SPECTACULAR CD32 VOYAGE PACK. WHY SO GENEROUS? IT'S SIMPLE. THE MORE CD32 WE SELL THE MORE SOFTWARE YOU WILL BUY AND AT INDI PRICES WHO COULD BLAME YOU.

DON'T FORGET !

Amiga CD32 Comes with **2 GREAT GAMES** Microcosm and Chaos Engine and whilst stocks last **FREE** Oscar, Diggers, Wing Commander and Dangerous Streets

PLUS ... The addictive platform game Lemmings completely **FREE**

AND ... CD32 will play your favourite Music CD's

ALSO ... The **FMV MODULE** allowing Video Movie Playback and the **SXI** module to turn it into a **REAL** Computer are only weeks away.

SXI Board for the Amiga CD32 will soon be available



£275
~~£299.99~~ Commodore List Price

Amiga CD32 Software Titles

NEW Microcosm	~~£44.99~~	£32.99
Deepcore	~~£25.99~~	£16.99
Sensible Soccer	~~£24.99~~	£17.99
Labyrinth	~~£24.99~~	£19.99
Alfred Chicken	~~£25.99~~	£16.49
Morph	~~£29.99~~	£19.99
Overkill / Lunar	~~£29.99~~	£19.99
Pinball Fantasies	~~£32.99~~	£21.99
Pirates Gold	~~£29.99~~	£19.99
Zool	~~£29.99~~	£19.99
Seek and Destroy	~~£25.99~~	£16.49
Bubba 'n' Stix	~~£29.99~~	£19.99
Nick Faldo Golf	~~£34.99~~	£24.99
Liberation	~~£34.99~~	£22.99

DON'T DELAY - ORDER TODAY

Microvitec Pro Graphics Multi Sync Monitor with Stereo Speakers



Indi are proud to announce the arrival of the latest Amiga Compatible Multi Sync Colour Monitor from the UK Manufacturer Microvitec. This superb monitor offers a high quality 0.28 dot pitch and low radiation total MPR-II compliance. Complete with external Stereo Speakers and includes all leads - this is the monitor that we have all been waiting for.

External Speakers Included



£319.99

Monitor Comparison

	Size	Pitch	Input	Approval	Price
Commodore 1942	14"	0.28	Analog RGB		£349.99
Microvitec Dual Sync plus external Stereo Speakers	14"	0.28	Analog RGB	MPR II	£319.99

Add a pair of our Quality Stereo Speakers to your existing Monitor. Pack includes Stereo Speakers and Protracker V2.0 Stereo Sound Sampler for all Amigas (exc. A500) Indi Price £17.99

Zappo External Floppy Drive

LOW LOW PRICE



You've seen all the reviews on this popular and affordable second Amiga drive. "Compatible with all Amigas Quality 9 out of 10." Exceptional value for money.
Amiga Computing

£48.99

Sharp Monitor / TV



The superb Sharp 14" Monitor / TV provides a real alternative to a Commodore Monitor with full function remote control 39 channel electronic auto search tuning, digital on screen display and 1.5 watt Mpo audio output. All you need to know is the low low price. The Sharp Monitor / TV is the product for you complete with scart socket and connectivity cable and including 12 months Warranty. £169.99

£169.99

2 Mb Smartcard
The original and still the only fully PCMCIA compatible memory card for the A600 and A1200. Comes with lifetime guarantee. Beware of cheap immitations. **INDI PRICE £99.99**

4 Mb Smartcard
Same as above but maximum 4Mb.
INDI PRICE £155.99

New Low Price IDE Internal Hard Drives

Indi can now offer top quality 2.5" Internal Hard Drives for the Amiga 600 and 1200 at unbeatable prices. All drives come complete with cable and installation software.

80Mb 2.5" Internal HD's £169.99

120Mb 2.5" Internal HD's £214.99

170Mb 2.5" Internal HD's £249.99

Zappo 601
Trapdoor upgrade for the Amiga 600, 1Mb with RTC.
INDI PRICE £49.99

Zappo 601 NC
As above only 512K, no clock
INDI PRICE £29.99

Amiga 600 with 30 Mb Hard Drive + 12 Months On Site Warranty



A genuinely unrepeatable deal combining an Amiga 600, 30 Mb Hard Drive and a fantastic range of games and utility software.

Trivial Pursuits -The Classic Quiz
EPIC - Science fiction Adventure
MYTH -Question the judgement of the Gods
ROME -Capture the purple Robe of the Imperial Roman Empire
AD 92 -Role playing adventure
AMIGA TEXT
A powerful word processing package simple to use but highly sophisticated you'll be amazed at your professional results
DELUXE PAINT III
Movie quality animations at the press of a key, 3D perspectives and a complete set of paint tools

PRICE CRASH!!
~~£48.99~~
£229.99

TEL: 0543 419 999 FAX: 418 079

Panasonic

UNREPEATABLE!

Colour Printer Deal !!

DON'T JUST TAKE OUR WORD FOR IT CHECK AROUND!!

OUR BUYERS HAVE DONE IT AGAIN , THE TOP QUALITY **PANASONIC COLOUR PRINTER** *AT AN UNREPEATABLE PRICE. THIS IS A ONE OFF DEAL AND CANNOT BE REPEATED SO YOU MUST TELEPHONE TO CONFIRM THAT WE STILL HAVE STOCKS*



Panasonic KX - P2123

- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
- **Colour Printing** 7 Colour palette (blue, red, green, yellow, violet, magenta, black)
- **Quiet printing** Super quiet 43.5-46 dBa sound level (most matrix printers are typically in excess of 60dBa)
- **7 Resident Fonts** Over 152,000 type styles using Super LQ,Courier Prestige, Bold PS Roman, Script and San Serif fonts.
- **24 Pin Diamond Printhead** High performance and high quality output.
- **1 year Warranty** for total peace of mind

With Free Wordworth or Batman Returns / Elite II

FREE
- -DUSTCOVER
- -COLOUR RIBBON
- -BLACK RIBBON
- -INDI SOFTWARE OPTION

WORDWORTH OR BATMAN RETURNS / ELITE II

~~SALE £209.99~~

£189.99

FIRST COME FIRST SERVED

Panasonic KX - P4400



NEW Ultra - Compact LED Page Printer Announcing the **Panasonic KX - P 4400** LED Page printer, the printer that fits virtually anywhere. Ultra small foot print (12.7cm X 38.1cm ex trays) and under 6.5 kg, this printer travels with you.

- 4 pages per minute of crisp, 300 dpi laser quality output.
- 100 sheet, multi purpose paper tray (A4, letter, legal and executive)
- 28 internal bitmapped fonts
- HP laserjet series IIP
- 1 Mb Ram expandible to 5 Mb
- 1600 copies per toner.
- 1 Year On Site Warranty

SAVE £117

~~£587~~

£469.99

Panasonic KX - P5400

Adobe Postscript LED Page printer now available. Specification as above plus * 2 Mb Ram standard * Adobe Postscript level 2inc 17 Adobe Fonts * Optional AppleTalk interface available

£759.99

Panasonic KX - P2023



- **Quiet printing** 46.5 dBa standard mode. 43.5 dBa super quiet mode
- **On screen set up disk** Including printer driver for Windows 3.1
- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ
- **4 Resident Fonts** Courier, Prestige, Bold PS and Script
- **2 Paper Paths** Top and Rear
- **1 year Warranty** for total peace of mind

Recently reviewed by Amiga Format *A fine 24-pin dot matrix printer at a reasonable price. Buy from **INDI** **AND SAVE OVER £72**

Buy this superb printer for just £144.99 AND whilst stocks last we'll send you a voucher for a free auto cut sheetfeeder **WORTH A FURTHER £89.**

~~£217.00~~

£144.99

FREE SHEETFEEDER

Printer Accessories

1) Printer Dust Cover
Specially tailored quality dust cover for the Panasonic KX-2123 printer
INDI PRICE £8.99

2) Printer Stand
-2 Piece printer stand
INDI PRICE £9.99

3) Paper Pack
-500 sheets of quality A4 paper
INDI PRICE £9.99

4) Continuous Paper
-2000 sheets 1 part listing paper
INDI PRICE £19.99

5) Parallel Printer Cable
-To be used when connecting Amiga to Panasonic printers
INDI PRICE £8.99

6) Panasonic Colour Ribbon
-Colour ribbon for KX-P2123
INDI PRICE £12.99

7) Panasonic Black Ribbon
-Black ribbon for KX-P2123
INDI PRICE £6.99

Panasonic KX - P1150



This quality 9-pin mono dot matrix printer represents excellent value formoney. Pictured is the KXP - 2023. The KXP 1150 is cosmetically very similar.

- **9 - pin narrow carriage**
- **7 Fonts**
- **3.5" setup disk + windows 3.1 driver**
- **240CPS, 38 CPS NLQ**
- **1 Year Warranty**
- **Paper parking**

~~£163~~

£114.99

SAVE £48

KX-P4410 Laser Printing KX-P4430

- 5 pages per minute
- 28 resident fonts
- Optional 2nd input bin (total printer capacity 2x200 sheets)
- Low running costs
- Parallel Interface
- Optional memory expansion to 4.5 Mb (0.5 Mb as standard)
- HP laserjet II emulation
- Including Superprint

New Low Prices!

£449.99

SAVE £289

Whilst Stocks Last

Panasonic 2 YEAR ON-SITE WARRANTY



- Satinprint (optimum resolution technology)
- 5 pages per minute
- HP laserjet III emulation, PCL 5
- 8 scalable fonts. 28 bitmap fonts
- Optional 2nd input bin (total printer capacity 2X 200 sheets)
- Optional memory expansion to 5Mb (1Mb as standard)

New Low Prices!

£649.99

WORDWORTH AGA COMPLETELY FREE WITH LASER PRINTERS

Indi Direct Mail Customer Charter

INDI DIRECT MAIL is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.
A mail order purchase from **INDI** is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products.
With a group turnover approaching £30 million per annum, **INDI** have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

No Deposit Credit

Indi are now able to offer Competitive Credit Facilities on all orders over **£100** subject to status. Payment can be over **12, 14, 36, 48 or 60 months** and can include insurance to cover repayments on the event of sickness or unemployment. Why not ring for a quote. Sameday response.

DIRECT MARKETING ASSOCIATION

INDI DIRECT MAIL recognises all Trade Marks and Copyrights All prices are correct at time of going to press. E & OE.

EXPORT NUMBERS
TEL: (44)543 419999
FAX: (44)543 418079

INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD STAFFS. WS13 7SF

PLEASE ENCLOSE £5 FOR SECURICOR DELIVERY

Please send 1).....
2).....
3).....
Price..... + Delivery
I enclose cheque/ PO for £.....or charge my Access / Visa
No.....Expiry...../...../.....Signature.....
Name.....
Address.....
.....
.....
Postcode .....Daytime Tel.....

AF0594

TEL: 0543 419 999 FAX: 418 079

Your Imagination Is The Only Frontier

Opal Vision State of the Art Mainboard

The amazing Opal vision 24 - bit graphics board and software suite has been updated and is now even better value for money.

The software suite now includes:

Opal Paint V2.0. Now includes full magic wand implementation and Alpha Channel that allows photo compositing with selectable levels on a pixel by pixel basis. The Chrominance effect allows absolute real time control of image contrast, brilliance and re-mapping of colours.

Opal Animate V2.0 - Offering real time play back of animations created by ray tracers, landscape generators, morphers and all other 24 - bit software.

Opal Hotkey V2.0 - Display Opal vision graphics anytime with key combinations.

"Quite simply, it's a spectacular product". **Amiga Computing.**

"Undoubtedly the finest, most professional paint program to arrive on the Amiga" - **Amiga Format.**

"Professional quality at this price can't be turned away" - **Amiga User International.**

"The verdict was unanimous - brilliant". - **Amiga Shopper.**

£349.99

Limited Offer

OpalVision Video Suite

This power packed video and audio mixing, switching and transcoding device connects directly to the Video Processor. This 19 - inch rack mountable unit is so advanced that it has it's own internal computer and every aspect is software controlled for precisely timed and accurate functionality. The video suite includes a wealth of inputs and outputs. There are 9 video and 10 audio inputs available, plus the 24 - bit frame store. Professional quality video inputs and outputs are available simultaneously in RGB or Y/R - B/B - Y. Composite and S - Video. Choose and 2 sources from these inputs, assign a transition or special effect and then trigger it manually or automatically. All of the transitions and effects provided by the OpalVision Video Processor are available for use by the Video Suite. the linear transparency key (Alpha channel and transparency effects) can be taken from the Video Processor and/or external video source and/or output to another production switcher. This allows transparency control between video sources on a pixel by pixel basis. The 10 Audio inputs (five stereo pairs) are fully software sequenced with smooth fades and full, 5 band frequency equalization.

£899.99

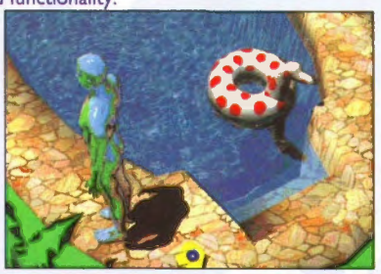
*Voucher Price available to registerd OpalVision owners. Return voucher with your order.

Voucher Price **£659.99**

OpalVision Video Modules

Opal Vision Video Processor

It's a high quality real time 24 - bit frame grabber which doesn't require a time base converter, it's a professional quality genlocker with croma and Luma keying. the 256 level linear transparency key allows the definition of transparency between two live video sources on a pixel by pixel basis for smooth vignettes, antialiased text and super smooth effects. Plug this card into your OpalVision main board and add a wealth of additional features and functionality.



OpalVision Roaster Chip

Included with every Video Processor, the Opal vision Roaster chip provides an endless number of user definable Digital Video Effects. Take any two video sources (or an Amiga or Opal vision generated graphic). Flip it. Scale it. Rotate it on the X or Y axis. Move it along a path. Zoom it. Move out. You have complete control. Build your own custom library of useful wipes and effects and give your videos a unique style. OpalVision is the only video system in its price class with this powerful digital video engine. You've got to see it to believe it.

£899.99

Voucher Price **£659.99**

* Voucher Price available to registerd OpalVision owners. Return voucher with your order.

Amiga 4000 / 030

New Low Price

170 mb
2mb Chip Ram

£929.99

No Deposit Credit Terms Available
Phone for price on Fast Ram

OpalVision Scan Rate Converter / TBC

£899.99

Add this card and achieve 31 Khz, non interlaced output of Amiga and OpalVision graphics and any incoming video source in either PAL or NTSC. Includes full time - base correction of incoming video, the on - board memory also serves as an additional frame store.

Voucher Price **£659.99**

*Voucher Price available to registerd OpalVision owners. Return voucher with your order.

Rombo Audio Visual Products



Megamix. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source. **INDI PRICE £27.99**



Take Two. Animation package is a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club. **INDI PRICE £34.99**



Vidi Amiga 12. The ultimate low cost colour digitiser for the Amiga. "the best value full colour digitiser on the market".- Amiga Format. **INDI PRICE £69.99**

Rombo Vidi Amiga 12 (RT) Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200/A4000. **INDI PRICE £129.99**

Rombo Vidi Amiga 24 (RT)
For the more serious user, this 24 - bit version will again capture from any video source with true photo realistic images! A staggering 16.8 million colours can be utilised with incredible results. Full AGA chipset support. **INDI PRICE £219.99**

Roctec Rocgen Plus.
As above but with extra features such as tinting and signal inversion. Allows for real time editing of graphics. Compatible with all Amigas. **INDI PRICE £127.99**

Roctec Rockey.
The ultimate accessory for Amiga / Video fans. Separate RGB controls to croma key on any colour. **INDI PRICE £199.99**

Special Effects Packages

Morph Plus
You've seen Michael Jackson's video, you've seen the television adverts using the latest techniques in morphing, now you can create the same results but at a fraction of the cost. Morph Plus is the latest and the ultimate in this technology. Whether you are a professional artist or just want to experiment at home Morph Plus is a must. **INDI PRICE £119.99**

Deluxe Paint IV AGA
Combines powerful tools with an Intuitive interface so both professionals and beginners alike can get superb results quickly. New enhancements to the software include the ability to paint and animate in 4696 colours in the Amiga Ham (hold and modify) mode. New animation features also include metamorphosis allowing you to change one image into another. You determine the number of frames and DPaint does the rest. **INDI PRICE £64.99**

Art Department Professional V2.5
The ultimate in image processing providing many key benefits to AMiga users working with pictures. With ADPro you can read, write and convert between most common image file formats with unmatched flexibility. Full support for JPEG images makes it possible to maintain an image library in full 24 - bit colour without needing massive hard drive storage. Typically a 600Kb image can be compressed down to 40Kb!!! **INDI PRICE £132.99**

Real 3D V2
Is a full featured 3D animation modeling and rendering program. With Real 3DV2 you can produce high quality images and animations of three dimensional models with an astounding level of realism. Imagine creating an animation that shows a handful of balls bounce down a flight of stairs to the bottom. Gravity, collision, deflection and the elasticity of the balls are all automatically calculated by the program. **INDI PRICE £338.99**

Brilliance

" Brilliant " Graphics Paint Package "
In terms of design and sheer specifications Digital Creations really seem to have done everything right. Effectiveness..." 99%." I really can't fault the end results" - **CU Amiga Review**
INDI PRICE £99.99 ~~£149.99~~

Final Writer

The most powerful word processor to grace the Amiga...90% - **CU Amiga**
INDI PRICE £99.99 ~~£129.99~~

Final Copy 2

"About as close to being a desktop publisher as a word processor dare go" - **CU Amiga**
INDI PRICE £62.99 ~~£99.99~~

Deluxe Home Office

Three great programs to make your Amiga a powerful Business tool * Kindwords 3 Word Processing * Maxiplan 4 spreadsheet Database * Info file an incredible file of business utilities allowing you to store and organise addresses, phone numbers and business contacts.
INDI PRICE £49.99 ~~£69.99~~ Amiga 500 / 500+/ 600 +1200

Amiga Software Bonanza

Ryder Cup Golf	~~£25.99~~	**£11.99**
Body Blows Galactic	~~£29.99~~	**£19.99**
Settlers	~~£34.99~~	**£22.99**
Simon the Sorcerer	~~£39.99~~	**£22.99**
Premier Manager	~~£25.99~~	**£11.99**
Cool Spot	~~£29.99~~	**£19.99**
Burning Rubber	~~£25.99~~	**£11.99**
Skidmarks	~~£25.99~~	**£11.99**
Noddy's Big Adventure (3-7)	~~£17.49~~	**£15.99**
Noddy's Playtime (3-7)	~~£17.49~~	**£15.99**
ADI French (11-12)	~~£16.99~~	**£15.99**
ADI Maths (12-13)	~~£16.99~~	**£15.99**
ADI Junior Read (6-7)	~~£14.49~~	**£12.99**
ADI Junior Count (6-7)	~~£14.49~~	**£12.99**
ADI Maths (13-14)	~~£16.99~~	**£15.99**
ADI English(13-14)	~~£16.99~~	**£15.99**

End Of Line Products

We have a limited quantity of product that we must clear, so check out these crazy prices.

Rom Sharer and 1.3 Kickstart Rom
Have you bought an Amiga 600 or 1200 and can't run your old Amiga 500 1.3 games, here's your Solution.
INDI PRICE £24.99

Roctec RocKnight
A virus can be very expensive, so why not protect your Amiga A500 / 600 or 1200 with this great Anti-Virus unit. Fits between your floppy drive and Amiga.
INDI PRICE £2.99

Amiga 500 Power Supplies
Very expensive when you can get them, so here's a once only chance to solve a problem at a crazy price.
INDI PRICE £29.99

TEL: 0543 419 999 FAX: 418 079

No Deposit Credit available

Exclusive Elite Pack Plus New Combat / Innovations Pack

And New Low Hard Drive Prices

FREE 2 CLASSIC GAMES

DIRECT MARKETING ASSOCIATION

NOW INDI OFFER YOU THE ULTIMATE IN CHOICE, OUR EXCLUSIVE ELITE PACK WITH ALL THE POWER OF THE DESKTOP DYNAMITE PLUS FREE BATMAN RETURNS AND ELITE II OR THE NEW COMBAT / INNOVATION PACK. BOTH AT THE SAME LOW LOW PRICE



BATMAN RETURNS New Game

You may choose from many different roles from explorer to assassin, from stockbroker to trader. Battle with pirates across a galaxy of different worlds, trade or smuggle goods or become a pirate yourself. the goals to aim for are endless, the game is completely open ended.

£29.99 "The ultimate in space adventure Frontier is the important step forward from this decade" - CU Amiga 97%

FRONTIER ELITE II New Game

A massive 2 disk program from the first film simulation. Vastly different to the console version with vivid scenes straight from the hit movie. Batman has returned in style. **£29.99**



Desktop Dynamite Elite Pack



A1200 STANDARD FEATURES

* 68020 Processor * PCMCIA Slot * 2Mb Chip RAM * 3.5" Internal Floppy Drive * AA Chipset * Built in TV Modulator* Alpha numeric Keypad* 12 Months at home maintenance.

Amiga Elite Pack

FREE

* Wordworth AGA
* Print Manager
* Deluxe Paint IV AGA
* Oscar AGA
* Dennis The Menace AGA
* Elite II
* Batman Returns

Amiga Combat /Innovations Pack

FREE

* Wordworth AGA
* Print Manager
* Personal Paint V4
* Day by Day
* Total Carnage
* Brian the Lion
* Zool 2
* Elite II
* Batman Returns

£319.99

Hard Drive Options inc. Batman returns /Elite II

60 Mb Hard Drive Pack £469.99 80 Mb Hard Drive Pack £489.99
120 Mb Hard Drive Pack £539.99 170 Mb Hard Drive Pack £579.99
12 Months At Home Warranty from ICL

WARNING

Some advertisers are fitting 3.5" drives to the Amiga 1200. The Amiga was never designed to accept 3.5" drives and fitting one totally invalidates any Commodore Warranty. Indi only offer official 2.5" IDE drives officially accepted by Wang, ICL and Commodore.

NEW Low Low Price

New Desktop Dynamite Pack with FREE Classic Games and a Professionally fitted Hard Drive Option

ICL AT HOME

Desktop Dynamite Panasonic Colour Printer Pack

The Superb Desktop Dynamite pack

PLUS

The Best Selling **Panasonic KX - P2123** Quiet Colour Printer with **FREE** Dustcover and cable

PLUS

Gametek Frontier Elite II **and** Batman Returns

PLUS

Amiga Challenge: International Sports Challenge, Paradroid 90, Cool Croc Twins

£499.99

New Low Price Hard Drive Options

Desktop Dynamite Colour Printer Pack with fitted Hard Drive.

60 Mb Hard Drive Pack £649.99
80 Mb Hard Drive Pack £669.99 170 Mb Hard Drive Pack £749.99
120 Mb Hard Drive Pack £719.99 12 Months At Home Warranty from ICL

AMIGA 1200 DRIVES FITTED BY ICL

"We'll pick it up from your home, bring it back in 5 working days, give it 12 months on site warranty and that's just the beginning".

When the time comes that you just have to fit a Hard Drive to your Amiga 1200 it is important that your Amiga is handed by the experts. ICL are a Giant International Computer Manufacturing and Repair Company and have been chosen by Commodore as their authorised warranty company for Amiga products.

Through INDI the Nationwide resources of ICL will guarantee that your Amiga is treated with the care and expertise that it deserves. But that is just the beginning, your new hard drive will be given a full 12 months At Home Warranty cover. Yes if there is a warranty problem then ICL will come to your home and fix it.

Of course what's the point of having at home cover on your Hard Drive and not on your Amiga. So as part of the deal ICL will add a further 12 months at home cover to your Amiga completely FREE

DOOR TO DOOR 80Mb HARD DRIVE ENHANCEMENT SERVICE £219.99
DOOR TO DOOR 120Mb HARD DRIVE ENHANCEMENT SERVICE £279.99
DOOR TO DOOR 170 Mb HARD DRIVE ENHANCEMENT SERVICE £319.99

Complete with 12 Months At home Service through ICL
*Amiga 1200 must be in full working order.

Amiga 1200 / 030 Desktop Dynamite Superfast Digitiser Pack

Add a high performance 4Mb 32 bit RAM expansion board with a 20 MHz Floating point unit to an Amiga 1200 and you have some serious performance potential. Include a Rombo VIDI Amiga 12, The Worlds Best Selling digitiser - and Image Capture, Animation and Image Processing is all within your grasp. Mono Images are captured in real time, colour images in less than a second.

Amiga 1200 Digitiser Pack 80 Mb Pack £739.99
Amiga 1200 Digitiser Pack 120 Mb Pack £799.99
Amiga 1200 Digitiser Pack 170 Mb Pack £824.99

A1200 Microbotics Memory Expansion Boards and Accelerators

Do you want your Amiga 1200 to have more memory or to go faster by simply fitting a board into the external trap door? Microbotics have an extensive range of products with the immense benefit of 'Chipup' technology. Most boards have soldered chipsets which do not allow expansion beyond your initial purchase. Microbotics products allow you to add extra memory as your computing skills grow and new software arrives demanding even more memory.

SCOOP PURCHASE

MBX 1200Z - 4Mb 32 BIT RAM + 20 MHzFPU

This high performance 32 bit RAM expansion board is easily fitted into the trap door of your A1200 giving you an instant increase in performance, allowing you to ray trace or render images, to load large images and animations, to record longer sound samples, or even grab more images all at an amazing speed.

£199.99

SAVE £50

Memory Expansion Boards

Speed	4Mb	8Mb
14 Mhz	£247.99	£447.99
25 Mhz	£307.99	£517.99
50 Mhz	£377.99	£577.99

Accelerator Boards

Speed	4Mb	8Mb
SCOOP PURCHASE		
50 Mhz	£459.99	£599.99

CHIP UP Technology

Amiga 1200 / 030 Elite Professional Pack

"Approx 1.5 times faster than an A4000/030

This is the ultimate power configuration, If your dream is to own the quickest A1200 ever then take a look at this specification: *Amiga 1200 *2Mb Chip and 2Mb Fast RAM (Expandable to an Amazing 128 Mb!!)
* Microbotics M1230 XA W/50MHZ MMU (Approx 1.5 times faster than an A4000/030!!) * 12 Months at home Warranty * Choice of hard drive capacities * Optional 50 MHZ 68882 FPU Maths Processor.

80 Mb version	£849.99
120 Mb version	£899.99
170 Mb version	£929.99
68882 50 MHZ FPU	£132.54

1/2 Price Games Option
Add Batman Returns and Elite II for £29.99

PANASONIC KX - P 2123

Colour Printer plus Wordworth or Batman Returns / Elite II for ONLY £179.99 when purchased with Professional or digitiser Pack

No Deposit Credit

Indi are now able to offer Competitive Credit Facilities on all orders over **£100** subject to status. Payment can be over **12, 14, 36, 48 or 60 months** and can include insurance to cover repayments on the event of sickness or unemployment. Why not ring for a quote. Sameday response.

TEL: 0543 419 999 FAX: 418 079

CD32 Connection Kit

Fancy delving into the world of Amiga PD on CD? Richard Baguley investigates a way of connecting your Amiga and CD32 together.

TRANSFER TIMES

In order to show you the sort of speed you can expect from this link, we measured the time taken to copy the same file (a 150K *Vista* file) to the RAM disk from a variety of sources. The times were as follows:

CD32 link	16 Seconds
SCSI CD-ROM drive	2 seconds
Hard disk	less than 1 second
Floppy disk	7 Seconds



A simple connector and some PD software enables you to transfer files between your CD32 and Amiga.

AFTER A VERY long wait, the A1200 CD-ROM drive has now arrived, but there are still many people out there who want to connect their CD32 and Amiga machines together to access all that lovely stuff that is now available on Compact Disc, such as Almathera's excellent *CDPD Collection*.

The CD32 Connection Kit enables you to connect the two machines (it works with all Amigas) and copy information between them. Of course, you may wonder why you would want to copy files from your CD32 to your Amiga. If you have both machines, why not just use your CD32 discs on the CD32 and your floppies on your Amiga?

Certainly, there is no point copying CD32 games to the Amiga and there are few, if any, commercial programs such as word processors or paint packages on CD. However, there are a lot of PD programs on CD that are more suited to the Amiga than the CD32, and it is for copying these between the two machines that the CD32 Connection Kit really comes into its own.

The kit is composed of a cable which plugs into the keyboard port of the CD32 and an extension cable which connects this to the serial port of the Amiga. You could just use the short cable, but this would mean having the CD32 jammed right next to the Amiga.

Once these are plugged in, to set up you have to change some of the parameters of the serial port. This requires a comms program such as *Terminus* on the CD32 side, therefore you need a CD which contains this before you can get any further. This program is on, amongst others, Almathera's *CDPD 3*.

The comms program is then used to copy a set of programs into the RAM disk of the CD32, which sets up a RAD (Recoverable RAM Disk) and gets the connection running. This RAD disk survives when the machine reboots, but not when you switch it off, which is a good thing given the CD32's annoying habit of rebooting whenever you change discs. This means that you can access discs which don't have any comms software on them, or even Photo CDs or PC CD-ROMs.

Although you can copy files from the CD32 to the Amiga, you can't use them on the Amiga when they are running on the CD32. Instead, you have to copy the files from one machine to another using the CLIesque interface of Twin Express and then use it from there. You copy a file by entering a line such as :

```
COPY ~CD0:VISTA/WESTPOINT.DEM RAM:
```

The real bottleneck in this process is, as you would expect, the serial link between the two machines. This runs at the pretty fast speed of 57,600 bits per second, but it's nowhere near the speed of a link such as a SCSI interface, as the figures in the Transfer Times box (above) reveal. It's the slowest of the options, with an approximate transfer speed of around 10K a second. If you are dealing with a big file, this could take a significant time to copy.

Although this product may be overtaken by the launch of the A1200 CD-ROM drive (see news story on page 24), it's still a pretty simple way of connecting together an Amiga and a CD32.

The CD32 Connection Kit is not particularly fast or overly elegant to use, but it does work, and it's a lot cheaper than buying another CD-ROM drive if you already have a CD32 and an Amiga.

Copying a file from the CD32 to the Amiga is done in the CLIesque environment of *Twin Express* using the standard AmigaDOS commands.

```
Twin Express
HELP:

The HELP command can display information on the following topics:

  HELP TWIN     : Provides basic data about Twin Express and registration.
  HELP CABLE    : Indicates the wiring details of the serial cable.
  HELP USAGE    : Introduces the user to Twin Express via a mini tutorial.
  HELP EXAMPLES: Shows examples of typical usage.
  HELP COMMANDS: Displays the syntax of available commands.

TWIN>
>>> Communication is established with the remote computer <<<
TWIN> cd ~cd0:
Default remote directory set to CDPD3:
TWIN> dir ~

Listing of directory CDPD3:

.info                          51  92-10-09  10:50:45    ---   RWED
1.3                       Directory  93-07-15  11:23:53    ---   RWED
1.3.info                         628  93-08-05  17:38:58    ---   RWED
```

CONNECTION KIT



DESCRIPTION
CD32 to Amiga serial link

MANUFACTURER
Index

DISTRIBUTOR
Brian Fowler Computers
0392 499755

PRICE
£29.99 (CD32 add on port)
£9.99 (Two metre cable)
£2 (Software)

RELEASE
Out now

SPEED ●●
You can't call it fast by any means. It's faster than a modem, but slower than a floppy drive.

MANUAL ●●●
Somewhat sparse (two pages of A4), but it's all you need to get running.

ACCESSIBILITY ●●●●
Once it's installed, the software survives a reboot, making it easy to swap Compact Discs.

FEATURES ●●●
A pretty basic bit of kit, but it does the job well, if somewhat slowly.

VALUE ●●●
The total cost of the kit (excluding any CDs) is £41.98, which is much cheaper than buying a CD-ROM drive.

VERDICT

"The simplest and cheapest method of connecting together an Amiga and a CD32 (apart from making your own cables). It works, but it's not particularly fast."

75%

ALL WORK AND ALL PLAY



THE TWO-IN-ONE MONITOR FROM MICROVITEC

There's a new, highly versatile, dual purpose colour monitor that's unbelievable value for both business and games use.

Compatible with all workbench modes, the Auto-Scan 1438 has high performance electronics and an ultra fine tube for sharp, crystal clear images.

Designed and built to exacting standards for assured reliability and quality by Microvitec, the UK's leading monitor manufacturer, features include:

- 14" screen
- 0.28mm dot pitch
- 15-40 kHz
- Fully autoscanning
- MRPII compliant
- Designed and manufactured in the UK

MICROVITEC
WHEN PERFORMANCE MATTERS

Microvitec Plc, Bolling Road,
Bradford BD4 7TU
Tel: 0274 390011
Fax: 0274 726866

CALL NOW ON 0274 390011 FOR YOUR NEAREST DEALER

Evesham Micros • CALL US NOW FOR IMMEDIATE SERVICE ON (0386) 765500 • Evesham Micros

A500 HARD DISKS

Reference

All the features ...without the price



- ☆ SCSI HARD DISK MECHANISMS for *optimum performance*, fast Access Time & Autoparking
- ☆ Includes SCSI THROUGHPORT at rear for further expansion
- ☆ COOL.... by popular demand, we have fitted a Cooling Fan!
- ☆ GAME SWITCH allows Games to be loaded without disconnection
- ☆ High quality metal casing, colour and style matched to the Amiga 500
- ☆ Option for up to 4MB additional easy RAM EXPANSION, using 'SIMMS'
- ☆ Compatible with Reference Add-On Hard Drive and Reference RAM unit
- ☆ Includes its own DEDICATED PSU. CBM recommends against use of Hard Disks without independent power supply.
- ☆ Includes 'HD Setup 3' (external SCSI low level format and partition utility) and 'MRBACKUP PRO' (backup utility)

40Mb model £219.99 **100Mb model £249.99**

2Mb RAM Version: ADD £94
4Mb RAM Version: ADD £188

AMIGA FORMAT (Verdict) 84%

"Very attractive indeed – you get a good deal for a decent drive." March 1993

A500 8Mb RAM UNIT

Reference



Incorporating the latest 'ZIP' DRAM technology, our External Memory Upgrade allows the A500 / A500+ to be upgraded by up to a further 8Mb of auto-configuring FASTRAM.

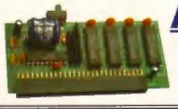
- ☆ RAM access LED
- ☆ RAM test/run switch
- ☆ Uses 1Mb 4-bit ZIPS
- ☆ Style matched to the A500
- ☆ Very low power consumption
- ☆ Throughport for further expansion
- ☆ Optional PSU (allows Amiga to power other devices)
- ☆ Available fitted with 2Mb, 4Mb, or fully populated with 8Mb
- ☆ Compatible with A590 and most other SCSI Hard Drives (please call to check)

with 2Mb fitted £129.99 **with 4Mb fitted £179.99** **with 8Mb fitted £279.99**

N.B. Any memory fitted to this unit is in addition to that on your machine already, to a maximum of 8Mb on the external unit.

PARTIALLY POPULATED UNITS EXPAND TO 8MB WITH 2MB MODULES, AT ONLY £59.95 PER 2MB • OPTIONAL POWER SUPPLY £14.95

A500 512k RAM/CLOCK UPGRADE



- ☆ CONVENIENT ON / OFF MEMORY SWITCH
- ☆ COMPACT, ULTRA-NEAT DESIGN
- ☆ AUTO-RECHARGING BATTERY BACKED REAL-TIME CLOCK

ONLY £19.99

Also without clock for only £16.99

3.5" FLOPPY DRIVES

External Floppy Drive



- Very quiet
- Slimline design
- Suits any Amiga
- Cooling vents
- Full 880K Formatted Capacity
- Sleek, high quality metal casing
- Quality Citizen/Sony drive mechanism
- Enable / Disable switch
- Long reach connection cable
- Throughport facility for addition of further drives

Amazing low price!

ONLY £52.99

A500 Replacement Internal Floppy Drive Kit



Fully compatible, with 1Mb unformatted capacity. Straightforward installation procedure. Kit includes full fitting instructions.

ONLY £44.99

1.5Mb RAM BOARD



Fully populated board increases total RAM in A500 to 2Mb! ☆ Plugs into trap door area, & connects to 'GARY' chip ☆ Includes Battery-Backed Real-Time Clock ☆ Socketed RAM ICs on 512K / 1Mb Versions

With 1.5Mb FASTRAM installed

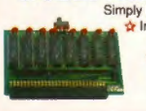
ONLY £73.99

Unpopulated RAM board with clock £34.95

N.B.: The expansion board requires Kickstart 1.3 to operate - Kickstart 1.3 upgrade available from us for £29.95

A500+ 1Mb UPGRADE

THE FASTEST AND EASIEST WAY TO UPGRADE YOUR A500+ TO 2MB RAM!



Simply Plugs into trap door expansion area ☆ Increases total RAM capacity to 2Mb 'ChipRAM' ☆ RAM On/Off Switch ☆ Compact unit size ☆ Only 8 low power RAM ICs ☆ High reliability

ONLY £42.99

A600 1Mb RAM/CLOCK UPGRADE



UPGRADE YOUR NEW A600 TO 2Mb WITH THIS SIMPLE PLUG-IN MEMORY UPGRADE!

- ☆ Simply Plugs into the A600's trap door expansion area
- ☆ Increases total RAM capacity of A600 to 2Mb 'ChipRAM'
- ☆ RAM Enable / Disable Switch
- ☆ Battery-Backed Real-Time Clock

ONLY £48.99

PRINTERS

Evesham Micros special – all our Star prices include 12 months On-site maintenance

Star LC 100 Entry level 9-Pin Colour, 4 fonts	£139.83
Star LC 24-100 24-Pin, 5 fonts, 192/64cps	£170.38
Star LC 24-20 24-Pin, 210cps high speed draft	£199.75
Star LC 24-200C Superb 24-Pin Colour, 5 fonts, 200/67cps	£233.83
Star LC 24-30 New 24-Pin Colour, 5 fonts, 192/64cps	£229.13
Star LC 24-300 Fast, quiet 24-Pin Colour, 9 fonts, 264/80cps	£290.23
Automatic Sheet Feeder for above (pls.state model)	£64.95
Star SJ 144 Colour Thermal transfer printer	£433.58
Hewlett-Packard Deskjet 310	£217.38
Hewlett-Packard Deskjet 310 Colour upgrade kit	£41.13
***NEW!* Hewlett-Packard Deskjet 520**	£245.58
Hewlett-Packard Deskjet 500C Colour	£316.08
***NEW!* Hewlett-Packard Deskjet 560C Colour**	£480.58
Canon BJ-10SX Inkjet Printer	£193.88
Canon BJ-200 Inkjet Printer 360dpi, up to 240cps, 8 fonts, 80-sheet feeder, IBM and Epson emulation	£245.58
Epson LX400 budget 10" carriage 9-pin 180/25cps	£139.00

Panasonic KX-P2123

The *Quiet* Matrix Printer



The KX-P2123 offers quiet operation, colour, Super Letter Quality printing and extensive paper handling features in a reliable and trusted design. A winning combination at an affordable price.

- **Colour Printing** Create colourful, crisp graphics easily by utilising the KX-P2123's choice of 7 vibrant colours.
- **Quiet Printing** Super quiet 43.5 - 46 dBA sound level (most matrix printers are typically in excess of 60 dBA)
- **Flexible Paper Handling** Accepts single sheets, continuous paper, labels envelopes and multi-part stationery.
- **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
- **7 Resident Fonts** Create over152,000 type styles
- **24 PIN Diamond** Printhead high quality output.

ONLY £186.83

EveshamMicros

WINNER OF TWO PRESTIGIOUS 'PC DIRECT HITS AWARDS' '93

'Customer Service Excellence' *'Support & Service Excellence'*

RETAIL SHOWROOMS

Normal Opening times: Monday-Saturday, 9.00-5.30
Late Night Opening Until 7pm Wednesday-Friday

Evesham ☎ 0386 • 765500
Birmingham ☎ 021 • 446 5050

Credit card orders: We do not charge the card until the goods are despatched.

American Express Card Welcome · Access · VISA · SWITCH

ALL PRICES INCLUDE VAT.
Government, Education and PLC orders welcome.
All products covered by 12 Months Warranty.

MAIL ORDER DEPARTMENT

Monday-Friday, 9.00 - 7.00; Saturday, 9.00 - 5.30
Technical support (Mon-Fri, 10.00 - 5.00): 0386-769403

Dept. AMFO, Unit 9, St Richards Road, Evesham, Worcs WR11 6TD

Call us now on ✆ 0386-765500

Mail Order FAX: 0386-765354

Same day despatch whenever possible. Delivery on all items up to £175.00 value is free of charge. All items above this value are shipped by insured Express Courier service at £7.64 per order – normally next working day after despatch (UK mainland only, others please call). Please allow 5 banking days for cheque clearance. Immediate clearance on Bank Drafts and Building Society cheques.

All goods subject to availability. Details correct at time of going to press. Prices and specifications subject to change without notice. E & O E.

MEGABOARD

CONNECTS TO YOUR 512K RAM UPGRADE TO GIVE 1.5MB

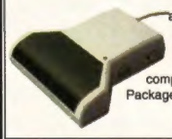


With our MEGABOARD, you can further expand your A500's memory to *a total of 2MB* without disposing of your existing 512K upgrade (must be 4 x RAM-chip type, or not exceeding 9cm in length).

ONLY £47.99

MEGABOARD needs Kickstart 1.3 to operate (Kickstart 1.3 upgrade available from us for £29.95). Installation requires connection to the GARY chip. Easy to follow instructions provided.

HAND SCANNER



At a genuine 400dpi scanning resolution, this scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution.

Supplied with Daatascan Professional Version 3 scanning *and* editing software, allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages, eg. Deluxe Paint 4, Touch-Up.

ONLY £99.99

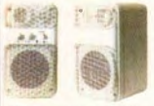
GENLOCK PLUS



OFFERING EXCEPTIONAL VALUE FOR MONEY, the Rocgen Genlock offers levels of quality, function and sophistication not normally available in this price category.

ONLY £149.99

ZY-FI SPEAKERS



REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE ACTIVE SPEAKERS !

Your Amiga produces fine quality hi-fi stereo sound. Enjoy quality stereo sound reproduction *to the full* with this new design twin speaker system! Incorporates a built-in amplifier with separate adjustable volume controls for each speaker unit. *Speaker Dimensions 160x95x105mm (HxWxD)*

ONLY £34.08

ZY-FI PRO SPEAKERS

EXPERIENCE NEW LEVELS OF AUDIO PERFORMANCE WITH THIS NEW PROFESSIONAL TWIN SPEAKER SYSTEM.



These versatile, power amplified speakers faithfully reproduce a rich expressive sound for the discerning Amiga user. Features 15W/channel, built-in power amplifier with volume control, bass/treble controls, and detachable stands. *Speaker Dimensions 200x140x130mm (HxWxD)*

ONLY £57.58

A500 POWER SUPPLY



Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!

ONLY £39.95

Replacement Power Supply for A590 Hard Disk £49.95

ROM SWITCHER

SWITCHING BETWEEN VERSIONS OF KICKSTART ON YOUR A500 IS EASY WITH OUR ROM SWITCHER!

You *can* improve software compatibility on your A500 Plus! By fitting our ROM switcher, you can alternate between the Kickstart 2 already resident and another version of Kickstart ROM chip, giving you the freedom of choice. Fitting is very simple indeed, and requires *no soldering* or special technical knowledge. Fitting allows two methods of switching; either by keyboard reset, or by an external toggle switch. **N.B. Kickstart ROM not supplied. A500 Revision 5 boards will require circuit modification.**



ONLY £14.99

Kickstart 1.3 ROM supplied separately ..... only £29.95
Kickstart 2.0 ROM supplied separately ..... only £39.95
A500 Revision 5 PCB Modification Service £29.95

TRUEMOUSE



WE GUARANTEE that this is the smoothest, most responsive and accurate replacement mouse you can buy for the Amiga. Excellent performance, with a 300dpi resolution.

ONLY £14.99

TRACKBALL



High performance trackball, directly compatible with any Amiga. Plugs into mouse or joystick port. Super-smooth and accurate - you probably won't want to use a mouse again after using this Trackball ! Full one-handed control. Top quality opto-mechanical design, giving high speed and accuracy every time. No driver software needed !

ONLY £29.95

ACCESSORIES

Virus Protector fits to last drive in system, protecting all drives	£6.95
Amiga 500 Dust Cover	£4.95
Amiga 600 Dust Cover	£4.95

CLEARANCE ITEMS

A600	£149.00
A1200	£279.00
A500 Workstand	£9.00
A600 Workstand	£9.00
A590 Hard Disk	£129.00
Supra 52Mb Hard Disk	£169.00
A600 4Mb RAM Upgrade	£139.00
Trackball	£20.00
Zy-Fi Amplified Stereo Speakers	£19.00
MIDI Interface	£10.00
Minigen Genlock	£49.00
VIDI Amiga Including VIDI-Chrome	£39.00
VIDI Chrome	£9.00
VIDI-RGB Splitter	£29.00
ICD SCSI 2080	£99.00
Wordworth	£30.00
Home Accounts 2	£25.00
Mavis Beacon Typing tutor	£29.00
Epson LQ100 printer	£169.00

All items are clearance lines or shop soiled/second hand stock. All carry a full 12 months warranty. Please contact our Evesham Branch for these products

Evesham Micros • CALL US NOW FOR IMMEDIATE SERVICE ON (0386) 765500 • Evesham Micros



The Taiwanese scanner unit is fairly generic – it's the software that makes the difference.



Image processing enables you to convert your scans to true greyscale images.

POWER SCANNER V4

It's slim, black and white and fits in the palm of your hand. Nick Veitch casts an eye over the latest version of Power Computing's scanner.

THE CHEAPEST, MOST efficient and for many people, the only scanning solution is a hand scanner. Manually powered, the scan head is dragged across an image while a scanning head underneath the unit illuminates and digitises the subject matter underneath.

Hand scanners have come a long way since they were first introduced in the PC market nearly 10 years ago, but the difficulty with hand scanners is keeping the scanning rate constant.

This is measured by a roller on the underside of the scanner which is connected to some opto-electronics. These work in the same way as a mouse, and transmit the speed data to the host machine. But the real power lies in the software, and Power Computing have consistently produced the best software on the market for the Amiga. This new version sets out to put them way ahead of the rest.

There are three main parts to the software: scanning, editing and processing. The scanning screen is fairly simple, as it should be. The software reads all the settings for resolution and dithering direct from the hand scanner unit and it is possible to connect virtually any type of hand scanner and get a result from the software.

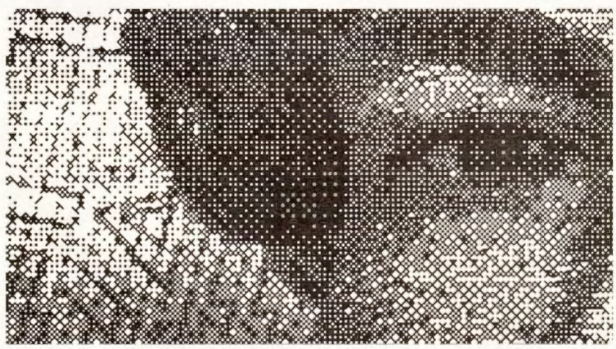
The standard one supplied handles resolutions from 100 to 400 dpi in 100 dpi increments and has four internal modes of dithering. The only thing you have to set is the area to be scanned. The width of the image is constrained by the size of the scanner, but the height is only determined by how much memory you have spare. A read out of how much memory the raw image takes is displayed in a gadget on the screen.

The edit screen allows cutting, pasting and the basic features of any art package. You are probably much better off doing any drastic touch-up jobs in a proper paint package such as *DPaint*, but the edit screen is still useful for cropping areas of interest.

The processing software handles conversions to greyscale, which involves a rather cunning reverse dithering process which works incredibly well. Greyscales can be created with 16, 64 or 256 levels, although the highest of these is only displayable on AGA machines. When an image is converted to greyscale it loses pixel size, so be aware of this before you scan an image for specific dimensions. Images can also be given skews, lightened, darkened, have their contrast changed or be turned into base reliefs.

On the whole the software is much more advanced than previous versions and the entire package is a bit of a bargain, although some aspects are a bit clumsy, in particular the way the different control screens are accessed.

God bless her! This scan shows the detail that can be obtained from a 400 dpi scan.





mon anode, Right-hand decimal point.
mon cathode, Right-hand decimal point.
ensity: 1·3mcd at I_F = 20mA (per segment).
age: 2V at I_F = 20mA (per segment)

version of the Type 4 (common lay is also available.
nsity: 800µcd at I_F = 5mA (per segment).
ge: 1·7V at I_F = 5mA

8	Common Anode	Cor Cat
9	Segment F	Seg
10	Segment G	Seg

Order Code	Type	Pri
FR39N	1/2" Display Type 1	£1.
FR41U	1/2" Display Type 4	£1.

Double Digit Display

A 2-digit display available in red or green. Digits are 0·56in. high with high contrast and wide viewing angles. All types have a



In standard mono mode text and line drawings can be scanned fairly accurately, even with shaky hands like mine.

POWER SCANNER



DESCRIPTION
Mono hand scanner

MANUFACTURER
Power Computing

DISTRIBUTOR
Power Computing 0234 273000

PRICE
£119

RELEASE
Out now

SPEED ●●●●
Converting the images between modes can be a lengthy process, but is no slower than other software.

MANUAL ●●●●
The manual is well presented and attractively produced. It also contains a lot of useful information.

ACCESSIBILITY ●●●
The hardest part is disciplining yourself to read the manual before you play with your new toy.

FEATURES ●●●●●
A stunning array of processing and editing features. The greyscale conversion routines work a treat.

VALUE ●●●●
At this price the Power Scanner v4 is undoubtedly the pick of the mono hand scanners.

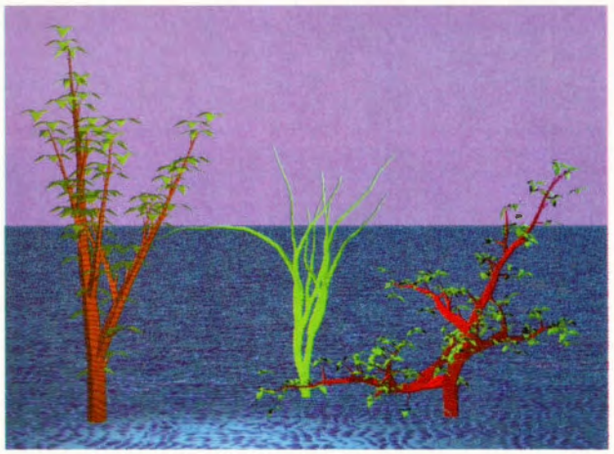
VERDICT

"The software update is a step forward, although it can be a bit unstable at times and more work will need to be done on the user interface. This is still far and away the best mono hand scanner for the Amiga."

84%

VERTEX 2

Have you built a spaceship in Lightwave that you want to render in Imagine? Richard Baguley examines a 3D object conversion program that can do just that.



All of these trees were generated in *Vertex* and then loaded into *Imagine* where I added some colour and a texture or two.

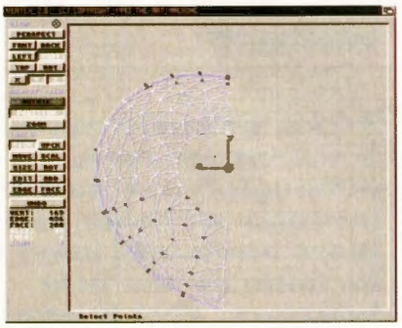
EVERYONE WHO USES a raytracer has a favourite 3D program. Some will swear by *Imagine*, while others won't cast a virtual light on anything except *Lightwave*. Whatever your fixation, some programs are better at some things than others. The problem comes when you want to use an object in two different programs, but they save objects in different ways. This is where *Vertex 2* comes in.

Vertex is loosely based on a Shareware program, but the author has decided to make the move to commercial software. It supports a variety of 3D programs (including *Imagine*, *Lightwave* and *3D Professional*), although some of them can only be saved and others are only partially supported, so some of the attributes may be lost.

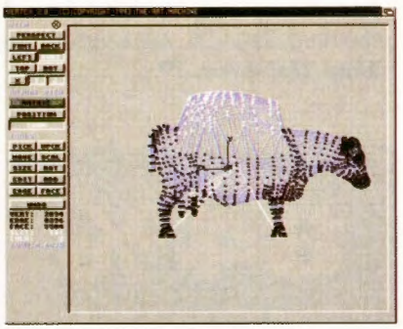
Vertex needs a lot of memory, especially when you are dealing with large objects. I had to assign the program more than 12Mb of memory to load some of the objects I regularly use. The manual recommends a minimum of 2Mb, but this isn't realistic if you are dealing with objects with more than a few hundred points.

Vertex also has a problem converting objects to *Lightwave* format from *Imagine*: they come out with holes in them. This is because *Imagine* can only deal with triangular faces, while *Lightwave* can have any number of edges to a face.

A similar program, *Accutrans 3D*, has the same problem, so it is not specific to *Vertex*. *Vertex* also refused to save out an object which was composed of several different parts, although *Accutrans 3D* ($60/£40 reviewed *AF*52, 80 per cent,) combined these into one object and saved it out.



Building objects from scratch within *Vertex* is easy, thanks to its wide assortment of powerful tools.



You can even load in your existing objects and do cruel and unusual things to them.

A unique aspect of *Vertex* is its ability to build fractal trees. All you need are a few parameters which control the branching of the tree, and the program generates a convincing tree or flower, including leaves. Save this out, add some colour and a texture or two and you have the beginnings of a rather nice-looking forest.

Vertex occupies a curious middle ground between a 3D modelling program and conversion program. There are certainly a number of very powerful modelling tools, including Bezier curves. These are extremely useful when producing organic-looking objects (such as whales, dogs or even magazine editors). Even so, I think it unlikely that any raytracing buff would choose to abandon the *Imagine* Detail Editor or the *Lightwave* modeller in favour of this program.

The conversion side of *Vertex 2* is powerful, with support for a range of different programs, although it would have been good to see support for non-Amiga programs such as *3D Studio* and *Alias*.

If you want a program purely for this purpose, I'd recommend *Accutrans 3D* over *Vertex*, even though you can't display the objects being converted with *Accutrans*, and you can't manipulate them.

The program still seems to be bugged, because it crashed my machine several times, which is annoying if you are running other programs in the background. It also hung a couple of times when trying to load objects. Although there are some undeniably useful and powerful tools in this program, *Vertex 2* tries to be two things and doesn't quite achieve either.

VERTEX 2



DESCRIPTION
3D conversion and modelling program

MANUFACTURER
Heckner Grafik

DISTRIBUTOR
Prima Technologies 0532 311738

PRICE
£90

RELEASE
Out now

SPEED ●●●
Conversion of objects is slower than with *Accutrans*, but the tools for manipulating objects are very fast.

MANUAL ●●●
Suffers from translation problems which make it difficult reading. There are no tutorials for converting objects.

ACCESSIBILITY ●●●●
The interface is very well designed, and is easy to work with. The screen redraws quickly.

FEATURES ●●●●
Powerful tools for manipulating and creating objects, including Bezier curves. Combines many of the best tools from different programs.

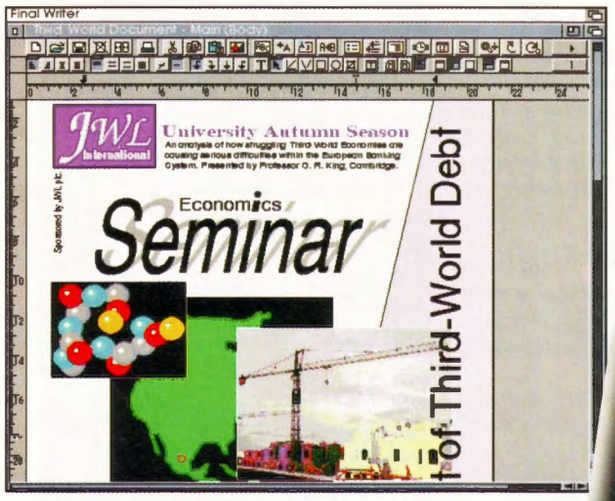
VALUE ●●●
More expensive than *Accutrans 3D*, but it does have more tools for manipulating and creating objects than many modelling programs.

VERDICT

"Vertex 2 is a not completely successful cross between a 3D modelling program and a conversion program. It contains some very useful and powerful features, but there are also a number of annoying bugs."

75%

You can't use Software this Powerful, and produce Documents this Good...



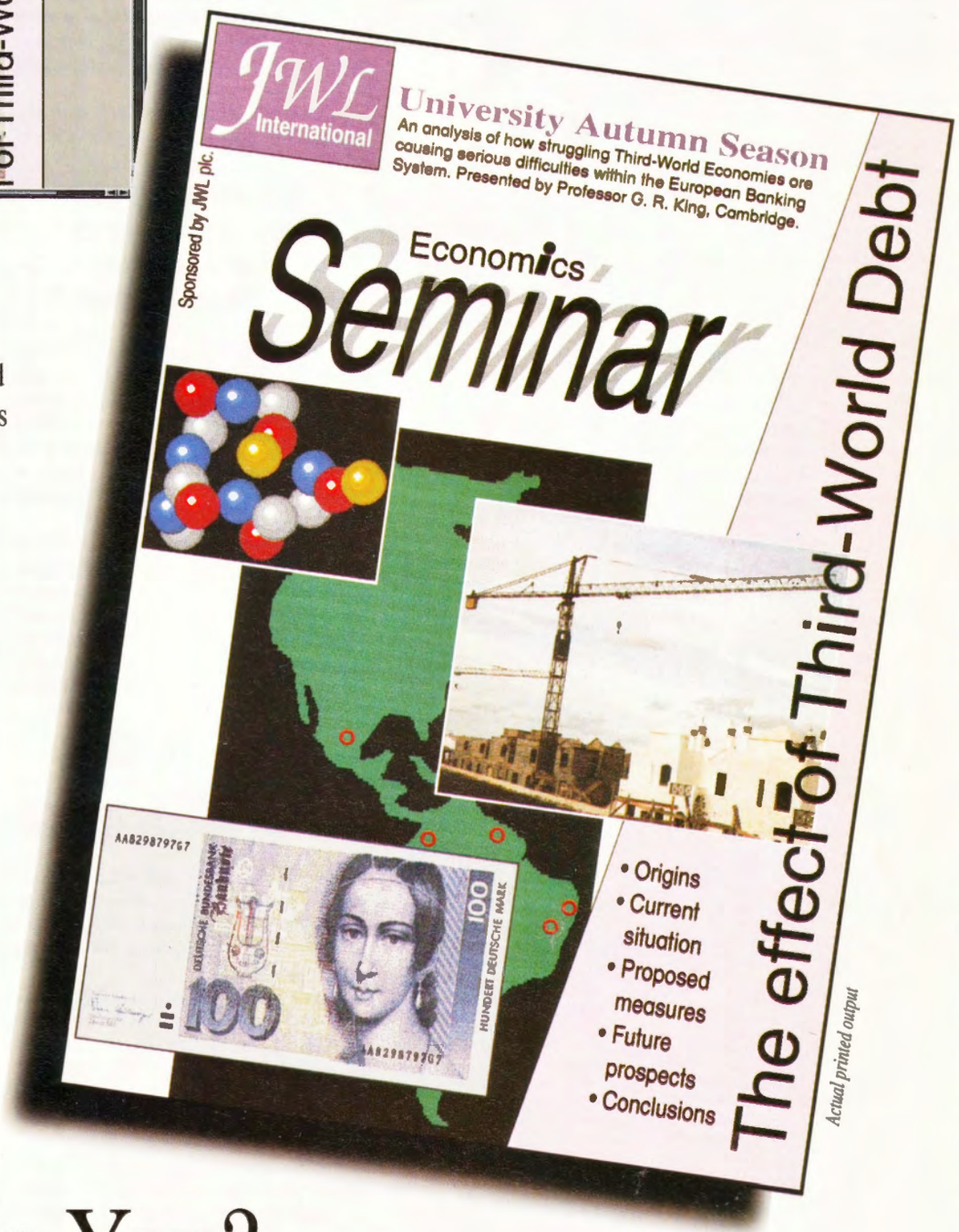
Actual screen display

Unless, you buy an expensive PC or Macintosh™, a high priced Colour PostScript™ Laser Printer, and a complex, costly Desk Top Publishing Package...

If you're looking for a quality Word Processor/Publisher that performs as well as this, you may well start by searching through PC and Apple™ Macintosh™ software catalogues.

Even then though, you probably won't find a program that will combine the very best in Word Processing *and*... easy to use integrated DTP type facilities.

You certainly can't find software for your Amiga that's capable of all this...



Actual printed output

...or Can You?

Microvitec 1438

Richard Baguley checks out a new alternative to the popular Commodore monitors in the form of the latest offering from monitor masters Microvitec. Here's how it compares.

IT'S IMPORTANT THAT you get the right monitor. After all, you are going to spend a lot of time looking at it while you're playing your latest game or admiring the subtleties of your new ray-traced masterpiece.

Imagine the benefits of owning a monitor. You get far-improved picture quality, good sound and no more arguments with other members of the household who want to watch *Coronation Street* when you're approaching a vital stage in your *Sensible Soccer* tournament.

Until now many people have chosen the Commodore 1940 or 1942 as their first monitor. But the 1940 has now been discontinued and stocks of the 1942 are in short supply. So, there would seem to be a gap in the market for a monitor to fill the place of Commodore's products. But is the Microvitec 1438 the one to do it?

At first glance there's nothing hugely outstanding about the Microvitec 1438. It's got a cream plastic case around a metal frame, but one slightly annoying feature is the way the black corners of the screen aren't obscured by the case, which means that the corners of your image are black, even if you are working in overscan.

The height, horizontal position, brightness, contrast and the on/off controls are all on the front of the machine and a 23 to 15 way adaptor is supplied with it, so you can plug straight into the Amiga's video port without having to buy any extra adaptors.

The power lead has a kettle socket on the end, so you can plug it into the mains through socket of the A4000, which means you can switch both the monitor and the Amiga on or off with the Amiga's power switch. This is a small but very welcome point, because it means you are using one less plug socket.

The Microvitec 1438 easily coped with all of the modes I could throw at it from both an A3000 and A4000, including Double Pal, Super 72 and a variety of NTSC modes.

There are no speakers built into the monitor, but most dealers bundle a set of speakers which fit on to the side. These require an external power supply, but this is also included. Sound quality is pretty much the same as Commodore's 1940 or 1942 monitors, although the ability to adjust the orientation of the speakers could be very welcome if you are in a room with weird acoustics.

> "Imagine the benefits of a monitor rather than a TV set: excellent picture quality, good sound, and no more arguments when your mum wants to watch *Coronation St* while you're playing *Sensible Soccer*."



The Microvitec 1438 has all of the features you need from a monitor at a reasonable price.

The dot pitch of the Microvitec 1438 is 0.28, which means that each of the phosphor dots which make the screen image is 0.28 of an inch across. This is the same specification as Commodore's 1942 monitor, and gives a very bright and strong screen image, even when you are working in super hi-res modes.

The image on monitors with a lower dot pitch (and thus bigger phosphor dots) tends to look washed out and fuzzy in hi-res modes, but this monitor doesn't suffer from this problem.

The picture is much brighter than most monitors I've come across. I have the brightness turned up to full on the 1942 I use with my A3000, but there was no need for this on the 1438.

Many people go for the Commodore 1942 when they first buy a monitor, and it's a perfectly good choice. The dot pitch and the picture quality of the Microvitec 1438 are the same as the 1942, the image is slightly brighter, but there isn't really that much difference in the quality, so the main difference between the two is the price, and the Microvitec is about £30 cheaper.

Given this slightly lower asking price, the Microvitec 1438 is well worth considering as an alternative to Commodore's monitor offerings.

MICROVITEC 1438



DESCRIPTION
Multisync monitor

MANUFACTURER
Microvitec

DISTRIBUTOR
See below

PRICE
£299.99 incl. speakers: Silica Distribution Limited, 081-309 1111
£294.99 no speakers: First Computer Centre, 0532 319444
£319.99 incl. speakers: Indi Direct, 0543 419999

RELEASE
Out now

PICTURE ●●●●●
Sharp images and strong colours. The image looks particularly good in super hi-res mode.

MANUAL ●●●
Four pages give all the general information, and an A5 sheet gives the Amiga specifics.

CONSTRUCTION ●●●●
Very solidly constructed. It should stand up to the slings and arrows of outrageous treatment.

VALUE ●●●●
It is significantly cheaper than other comparable monitors such as the Commodore 1942.

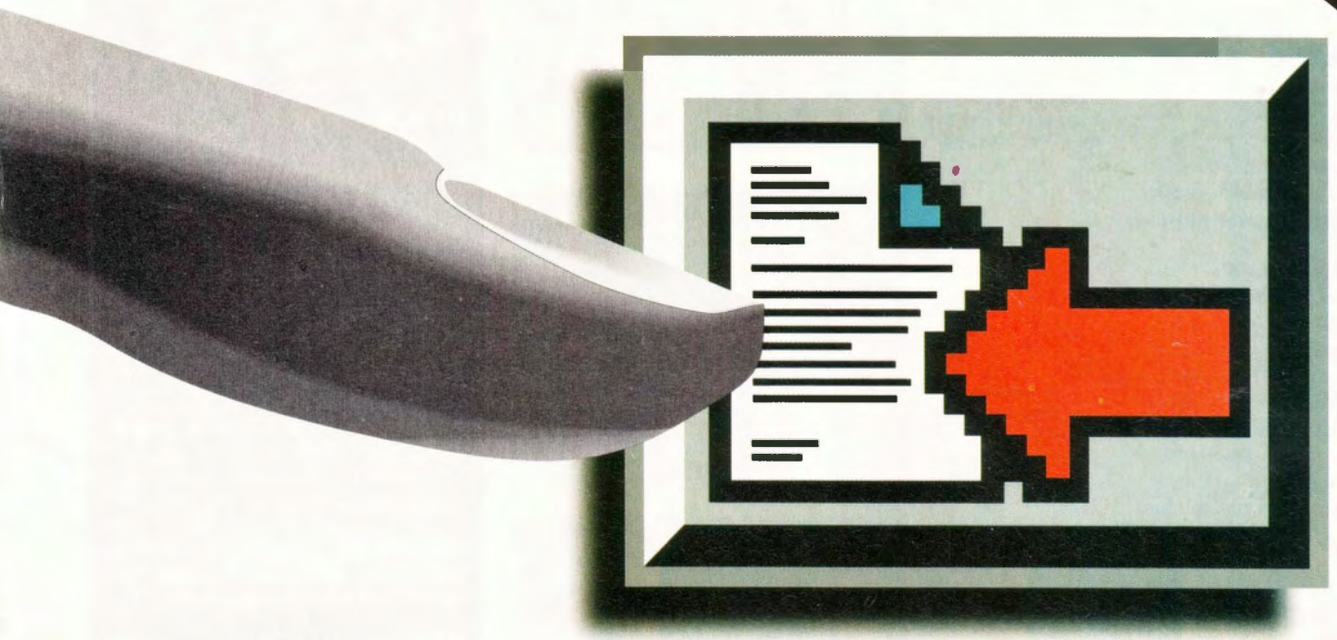
VERDICT

"A very impressive monitor. The extremely good picture quality, the strong colours and the inclusion of adjustable speakers, make this a serious competitor to the Commodore 1942."

89%

You Can Now... with New *Final Writer*™

NEW RELEASE 2 WITH 9 ADDED FEATURES & IMPROVEMENTS



Put *Your* Finger on the Buttons of the Ultimate Amiga Word Processor



From the publisher of the acclaimed Final Copy II comes its new companion, Final Writer - for the author who needs even more! If you already use an Amiga Word Processor, it won't include the complete and comprehensive array of features found in this latest addition to the SoftWood family.

Can your Word Processor...

Output crisp PostScript™ font outlines on *any* graphic printer (not just expensive lasers), and was it supplied with over 110 typefaces? Import, scale, crop, view on screen and output structured EPS clip-art images (Final Writer is supplied with a hundred), again, on any printer? Also create structured graphics and rotate them along with *text* to any angle, giving you DTP quality presentation? Provide a huge range of printing options (eg. thumbnails, scaling, crop marks etc. on PostScript™ printers) and fulfil other advanced Word Processing functions easily such as automatic indexing, table of contents, table of illustrations and bibliography generation? With Final Writer, this is now available to you along with a list of features that just goes on and on. We know that you'll be impressed by this revolution in Amiga Word Processing, but don't be put off by it's advanced capabilities. With its complement of user definable Command Buttons and Superb Manual, Final Writer is simply one of the easiest programs to learn and use.

Adobe PostScript
Superior font & graphical imaging technology.

Final Writer is not just a one-off product...

SoftWood are acknowledged as the World's leading software company publishing for the Amiga and no other system. So, if Final Writer exceeds your current requirements - whatever your Document Processing needs, whatever your Amiga - SoftWood will still have the Perfect Package for you...

Pen Pal or Final Copy II and Proper Grammar II...a Complete Range.



Once you become a registered SoftWood user, you'll gain access to unlimited *free* UK technical support (others often charge you or don't provide support at all) and preferential upgrades to future versions of these and other exciting new products being developed right now.

SoftWood

Quality software for your Amiga

If you've outgrown your existing package ask about our 'trade up' options from your current Word Processor (other publishers' WP's are eligible too).

SoftWood Products Europe

New Street Alfreton Derbyshire DE55 7BP England
Telephone: 0773 836781 Facsimile: 0773 831040

Available from all good dealers or, contact us for a list of nationwide stockists.

All information correct at time of going to press, E&EOE. All Trademarks acknowledged. The document on the previous page was output on a low cost Canon Bubble Jet.

Please rush my personal copy of the new Final Writer & Final Copy II information pack, including samples from popular printers, and a list of stockists to... (clip the coupon or call 0773 836781 now!)

Name & Address:

please include your postcode

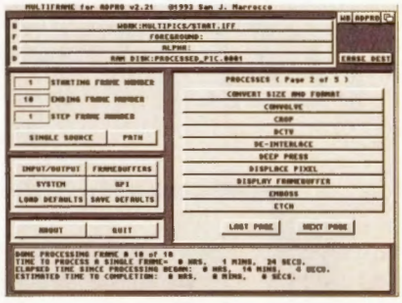
AMF

MULTIFRAME

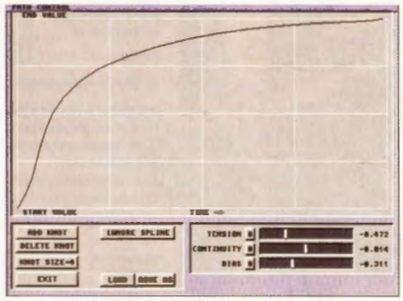
Confused by *AdPro*? Looking for a better way to automate image processing? Nick Veitch assesses MacroSystems' solution.

THE WONDERFUL THING about *Art Department Professional*, is that all the tools for image processing that you could ever desire are there. But the interface is not entirely friendly, and there is really no provision for animations, unless you count *FRED*, the rather limited add-on animation program.

These are the problems that *Multiframe* hopes to address. The program runs in conjunction with *ADPro* or *Morph Plus*, and you must have one or other of these to use it. You must also have at least 1Mb of memory for *Multiframe* to run in, in addition to whatever memory *ADPro* takes up when loading the images you wish to process. It's a good idea to run *Multiframe* first, because *AdPro* (pre 2.5 versions) simply grab all the memory they can as you load them.



***Multiframe*'s main control screen looks forbidding, but it works just as well as the *ADPro* interface.**



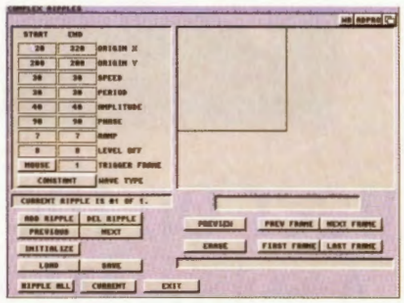
By altering the spline curve, the tweening values can be given different velocities.

Once you begin you will find that *Multiframe* opts for the dull, but functional, 'lots of buttons on the screen' style of interface. This should not deter regular *ADPro* users because it is something they have had to put up with for many years.

The top of the screen contains the gadgets which control the source and destination directories. If you are compositing images as you process them, you may also specify an alpha channel file and a foreground image here as well.

All the *ADPro* operators are invoked by clicking on one of the entries in the box on the right of the screen. Many of the operators come up with further parameter screens so you can specify values, such as the number of ripples, wave height, and so on. In many cases, you can define both start and end values, for when you are processing a sequence of images.

The values in between are calculated by *Multiframe*. The interpolated values can follow a straight 'tween' path or can be calculated along a spline curve.

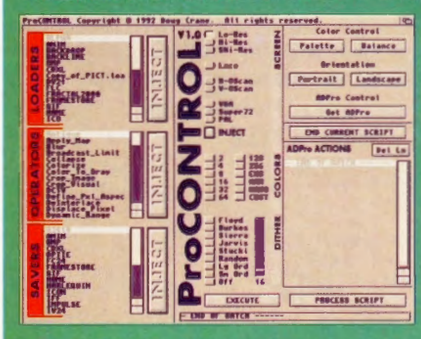


Clicking on an operator will bring up a further requester, so you can specify parameters.

Unfortunately, the program is a bit unstable when you do things that it isn't expecting – such as trying to perform an operation when you haven't selected a destination directory. This is a bit annoying because you are forced to shut down *Multiframe*, losing any options that you may have set up. OK, so you shouldn't really do it in the first place, but accidents can happen.

On the whole, though, this is an impressive piece of software which could be very useful for those involved in animation or video work. It is only really let down by a lack of polish.

ALTERNATIVE SOFTWARE YOU COULD TRY



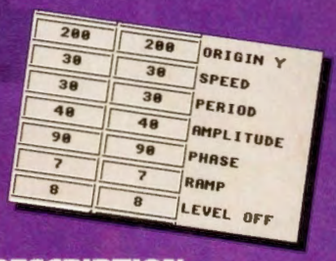
***ProCONTROL*, *Multiframe*'s nearest competitor, generates scripts which are processed singly or in batches.**

The nearest competitor to *Multiframe* is *ProCONTROL* (*AF*51, 80%, £69.95 from Meridian 081-543 3500). *ProCONTROL* works in a different way; buttons on its control screen correspond to *ADPro* operations, and when activated, generate a script file. When the script is complete it can be activated from the software and all the operations will take place.

ProCONTROL is very useful for processing several files in the same way, but it's not so good for processing sequences of frames, which is *Multiframe*'s strength. *ProCONTROL* cannot handle automatically updating operator parameters in the same way that *Multiframe* does, but if your image needs to go through several processes (such as a Blur, Negative and then Antique), then it is a single-scripting task in *ProCONTROL*, but a more complex operation in *Multiframe*.

Essentially, which program is best for you depends on if you need to work on simple operations on a sequence, or complex operations on a single frame.

MULTIFRAME



DESCRIPTION
ADPro script driver

MANUFACTURER
MacroSystem (US)

DISTRIBUTOR
Meridian 081-543 3500

PRICE
£99.99

RELEASE
Out now

SPEED ●●●●
The scripts execute pretty promptly, you are only restricted by how long it takes *ADPro* to process the images.

MANUAL ●●●
The 80-page ringbound A5 manual contains all you need to know.

ACCESSIBILITY ●●
Not the easiest piece of software in the world to master, but it's about as easy to use as the original *ADPro*.

FEATURES ●●
The ability to process sequences is useful, but it is sadly limited to one process at a time. The software would have been more powerful if it had included more versatile scripting.

VALUE ●●●
Multiframe is £30 more expensive than *ProCONTROL*. For this money you would probably be better off writing your own ARexx scripts.

VERDICT

" Multiframe is very useful for people who spend a lot of time processing animations. But otherwise, its main competitor, ProCONTROL, is better value. "

61%

CITIZEN DOT MATRIX AND INKJET PRINTERS

24-PIN ONLY £129 VAT

FREE! FROM SILICA

- **DELIVERY** Next Day - Anywhere in the UK mainland
- **WINDOWS 3.1** Free Windows 3.1 driver with Printer Kit
- **2 YEAR WARRANTY** (Excluding consumables)
- **HELPLINE** Technical support during office hours
- **PRINTER KIT** With Citizen dot matrix printers from Silica



FREE PRINTER KIT INCLUDES:
- 3½" Disk with Amiga Print Manager
- 3½" Disk with Windows 3.1 Driver
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Continuous Paper
- 50 Continuous Tractor Feed Address Labels
- 50 Continuous Tractor Feed Disk Labels

AMIGA PRINT MANAGER
For faster printing from your Amiga, with clearer images and more vibrant colours. Available free of charge as part of the Silica Printer Kit.
- Improved Image Smoothing
- Image Scaling
- Gamma/Colour Correction
- Colour Separation
- Reduces/Illuminates Banding

KIT VALUE **£49** +VAT

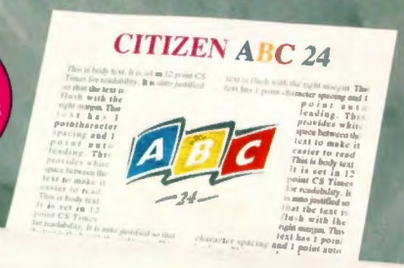
NEW! ABC 24

24 PIN 192 CPS 80 COLUMN

FREE! PRINTER KIT WORTH: £49 +VAT SEE LEFT

COLOUR OPTION AVAILABLE

SAVE £10 OFF PREVIOUS PRICE OF £139



2 YEAR WARRANTY

- 24 pin - 80 column
- 192cps Draft (12cpi) 64cps LQ (12cpi)
- 8K Printer Buffer
- 5 Fonts: 3 LQ, 2 Scalable
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- 2 Emulations: Epson & IBM
- Citizen Emulation Autoset Facility
- Quiet < 48dB(A)
- Built-in 50 Sheet Automatic Feeder
- Included: - "EASYSTART" S/w - Windows Driver - Amiga Driver
- Optional Extras: - Colour Kit - Tractor Feed - 128K RAM
- FREE Silica Printer Kit
- 2 Year Warranty

FREE DELIVERY



IDEAL FOR THE FIRST-TIME USER — EASYSTART SOFTWARE

OPTIONAL COLOUR KIT
Add full colour to your printouts with the easy to install, optional ABC colour kit.
£23 +VAT=£27.02 - PRA 1237

RRP £189
PRINTER KIT £49
TOTAL VALUE: £238
SAVING: £109
SILICA PRICE: £129

£129 +VAT=£151.58 - PRI 2411

PORTABLE THERMAL 126 CPS

WITH COLOUR OPTION

SAVE £20 MAX £249

2 YEAR WARRANTY



FREE DELIVERY

- Citizen Portable Notebook Printer II
- Fast LQ Output - 126cps (12cpi)
- 18k Printer Buffer/5 Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson, IBM, NEC and Citizen Emulations
- Drivers for MS Windows 3.1, MS Word and WordPerfect
- Prints on Standard Office Paper
- Built-in Auto Sheet Feeder - 5 Sheets
- Optional Colour Printing (see below) 'Presentation' - Colour Highlights & 'Artist' - Full Colour Ribbons
- Options: Carry Case, 30 Sheet ASF, NiCad Battery, Car Battery Adaptor
- 2 Year Warranty

RRP £349
TOTAL VALUE: £349
SAVING: £120
SILICA PRICE: £229

£229 +VAT=£269.08 - PRI 2104

COLOUR OPTIONS
Full Colour Ribbon - RIB 3416 £5 +VAT = £5.88
Spot Colour Ribbon - RIB 3427 £4 +VAT = £4.70

INKJET 180 CPS

2 YEAR WARRANTY

FREE CABLE



FREE DELIVERY

- Citizen Projet II Inkjet - 80 col
- 180cps Draft, 120cps NLQ (10cpi)
- 50 Nozzle Head - Quiet 46dB(A)
- 50K Printer Buffer
- 1 x IC Card Slot for RAM, Emulation and Font Upgrades
- 3 Fonts Built-in - Optional HP Compatible Font Cards
- Parallel Interface
- Graphics Resolution: 300 x 300dpi
- HP Deskjet Plus (PCL3+) Emulation
- Low Running Costs - Replace Ink Cartridge Only
- Auto Sheet Feeder (70 Sheets)
- Includes Windows 3.1 Driver
- 2 Year Warranty

£10 OFF PREVIOUS PRICE OF PROJET II

RRP £316.00
FREE CABLE £8.47
TOTAL VALUE: £324.47
SAVING: £125.47
SILICA PRICE: £199.00

£199 +VAT=£233.83 - PRI 2093

9 PIN 240 CPS 80 COLUMN

2 YEAR WARRANTY

COLOUR VERSION AVAILABLE



FREE! PRINTER KIT WORTH £49 +VAT SEE ABOVE

FREE DELIVERY

- Citizen Swift 90 - 9 pin - 80 column
- 240cps SD (10cpi) 216cps Draft, 54cps NLQ
- 8K Printer Buffer
- 6 Fonts Built-in
- Parallel Interface
- Graphics Resolution: 240 x 216dpi
- Epson and IBM Emulation
- Auto Set Facility
- Ultra Quiet Mode - 45dB(A)
- Advanced Paper Handling
- Colour Printing Standard - Swift 90c Optional - Swift 90
- FREE Silica Printer Kit

SWIFT 90 MONO
RRP £199
PRINTER KIT £49
TOTAL VALUE: £248
SAVING: £119
SILICA PRICE: £129
£129 +VAT=£151.58 - PRI 2290

SWIFT 90C COLOUR
RRP £210
PRINTER KIT £49
TOTAL VALUE: £259
SAVING: £120
SILICA PRICE: £139
£139 +VAT=£163.33 - PRI 2297

24 PIN 270 CPS 80 COLUMN

2 YEAR WARRANTY

COLOUR VERSION AVAILABLE



FREE! PRINTER KIT WORTH £49 +VAT SEE ABOVE

FREE DELIVERY

- Citizen Swift 200/200C - 24 pin - 80 column
- 270cps SD (15cpi), 216 cps Draft, 72cps LQ
- 8K Printer Buffer (40K max) + 7 LQ Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson, IBM, & NEC P20 Emulations
- Quarter Printing and Auto Set Facility
- Ultra Quiet Mode - 43dB(A)
- Colour Printing Standard - Swift 200C Optional - Swift 200
- FREE Silica Printer Kit

£10 OFF PREVIOUS PRICE OF SWIFT 200C

SWIFT 200 MONO
RRP £256
PRINTER KIT £49
TOTAL VALUE: £305
SAVING: £153
SILICA PRICE: £155
£155 +VAT=£182.13 - PRI 2490

SWIFT 200C COLOUR
RRP £279
PRINTER KIT £49
TOTAL VALUE: £328
SAVING: £159
SILICA PRICE: £169
£169 +VAT=£198.58 - PRI 2495

24 PIN 300 CPS 80 COLUMN

2 YEAR WARRANTY

STAR BUY



FREE! PRINTER KIT WORTH £49 +VAT SEE ABOVE

FREE DELIVERY

COLOUR VERSION AVAILABLE

- Citizen Swift 240/240C - 24 pin - 80 column
- 300cps SD (15cpi), 240 cps Draft, 80cps LQ
- 8k Printer Buffer - 40K maximum
- 9 LQ Fonts + 2 Scalable Fonts (8 - 40pts)
- Font Cartridge Slot for plug in 'style' fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson, IBM, NEC P20 & CEL Emulations
- Quarter Printing Facility
- Auto Set Facility Bi-directional Interface, Auto Emulation Detection
- Ultra Quiet Mode - 43dB(A)
- Colour Printing Standard - Swift 240c, Optional - Swift 240
- FREE Silica Printer Kit

£10 OFF PREVIOUS PRICES

SWIFT 240 MONO
RRP £339
PRINTER KIT £49
TOTAL VALUE: £388
SAVING: £209
SILICA PRICE: £179
£179 +VAT=£210.33 - PRI 2560

SWIFT 240C COLOUR
RRP £350
PRINTER KIT £49
TOTAL VALUE: £399
SAVING: £200
SILICA PRICE: £199
£199 +VAT=£233.83 - PRI 2571

THE SILICA SERVICE

SILICA 1978 15 1993 YEARS SERVICE TO YOU

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:-** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M COMPANY** (with over 200 staff): We are solid, reliable and profitable.
- **CORPORATE & EDUCATION DIVISION:** Volume discounts are available. **Tel: 081-308 0888.**

- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with special offers and full details of hardware, peripherals and software.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE **081-309 1111**

SILICA IS A DIVISION OF PRODIS PLC

MAIL ORDER: 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX **Tel: 081-309 1111**

CHELMSFORD SHOP:	Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA	**Tel: 0245 490654**
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	**Tel: 081-688 4455**
GLASGOW SHOP:	Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR	**Tel: 041-248 3896**
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	**Tel: 0473 287092**
LONDON SHOPS:	52 Tottenham Court Road, London, W1P 0BA	**Tel: 071-580 4000**
	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	**Tel: 071-629 1234**
MANCHESTER SHOP:	Debenhams (3rd Floor), Market St, Manchester, Lancashire, M60 1TA	**Tel: 061-839 3654**
SIDCUP SHOP:	1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX	**Tel: 081-302 8811**
SOUTHEND SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	**Tel: 0702 468039**

To: Silica, AMFOR-0594-55, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE CITIZEN RANGE

Mr/Mrs/Miss/Ms: ..... Initials: ..... Surname: .....

Company Name (if applicable): .....

Address: .....

....

..... Postcode: .....

Tel (Home): ..... Tel (Work): .....

Which computer(s), if any, do you own? 55AE

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

GASTEINER

126 Fore Street, Upper Edmonton, London N18 2AX

Tel: 081-345 6000 Fax: 081-345 6868

RAM

A 4000 (32 BIT RAM)

1MB £49.95
2MB £69.95
4MB £149.95

A1200 Ram with clock upgradeable FAST RAM board to 1,2,4 or 8mb with optional floating point unit

1MB no fpu £89
2MB no fpu £115
4MB no fpu £179
8MB no fpu £359

SPU for above (also for A4000)

20MHZ £35
33MHZ £79
40MHZ £114
50 MHZ £154

A600 RAM

1MB no clock £23.95
1MB with clock £39.95

A500 RAM

1/2 MB no clock £14.95
1/2 with clock £24.95

A500+ RAM

A500+1MB £23.95

Simms RAM for GVP Hardrives

1 MB 32 bit £29.95
4MB 32 bit £149.95

Simms RAM for GVP (A1230)

1 MB 64 pin £49.95
4 MB 64 pin £179.95

PCMCIA CARDS

2MB £109
4MB £169

HARD DRIVES

Amiga A500 + A500plus

IDE controller for A500 and A500+ with 8MB RAM option for standard 2.5' or 3.5" P.C.compatible hard drives

Controller only £89

65MB with controller £209
85MB with controller £249
120MB with controller £279
200MB with controller £299
250MB with controller £319
340MB with controller £339
420MB with controller £369
540MB with controller £399

ALFADATA PRODUCTS

Hard drive for A1500, A2000, A3000 and A4000 (Spec as above)

Controller only £89
65MB with controller £209
85MB with controller £249
120MB with controller £279
200MB with controller £299
250MB with controller £319
340MB with controller £339
420MB with controller £369
540MB with controller £399

New Oktagon 4008 SCSI-2 controller with up to 8MB upgradeable for A1500, A2000, A3000+ now A4000

Controller only £99
170MB with controller £299
340MB £349
540MB £549
1.2 G-Byte £899
2.0 G-Byte £1599
4.0 G-Byte £2499

COMPUTERS

Amiga A4000/040 + Hard drive

85MB 2+4RAM £1895
120MB 2+4RAM £1919
200MB 2+4RAM £1939
250MB 2+4RAM £1979
340MB 2+4RAM £2069
420MB 2+4RAM £2149
540MB 2+4RAM £2299

Amiga A4000/030+ Hard drive

85MB 1+1RAM £899
130MB 1+1RAM £969
200MB 1+1RAM £999
250MB 1+1RAM £1039
340MB 1+1RAM £1099
426MB 1+1RAM £1199
540MB 1+1RAM £1299

Amiga A1200 Computers

A1200 ..... £285
A1200 + 40MB £385
A1200 + 65MB £440
A1200 + 85MB £465
A1200 + 127MB £490
A1200 + 209MB £540

Desktop Dynamite pack for above please add £40

Amiga CD32 Console CD32 with four Games £289

MONITORS

Commodore 1942 ..... £339
Commodore 1940 ..... £289
Commodore 1085 ..... £199
Microvitec Multisync £389
SVGA Monitor £199

PRINTERS

Hewlett Packard

HP 310 ..... £239
HP 510 ..... £260
HP 500 Colour £299
HP 550 Colour £479
HP 1200 Colour £1399
HP 4 Laser Printer 3599

Citizen

Swift 90 Colour £159
Swift 200 Colour £200
Swift 240 Colour £249
ProJet II £250

Seikosha

SP 1900 ..... £124.99
SP 2400 ..... £154
SL 90 ..... £154
SL 95 ..... £295

Star

LC 20 ..... £129
LC 100 Colour £149
LC 200 ..... £199
LC 24-30 Colour £229
LC 24-300 ..... £299
SJ 48 BubbleJet £205

Fargo

Primera Printer £819

DISK DRIVES

Amitek 3.5" £58
Power 3.5" £53
Cumana 3.5" £58

PICASSO II

1MB version £289
2MB version £325

HARD DRIVES

2.5" Internal Hard drives for A600 and A1200

40MB £119
65MB £139
85MB £149
120MB £209
170MB £269
209MB £329
All with 2.5' IDE Cables

NEW NEW NEW NEW
CD-ROM CONTROLLER

TANDEM CD-ROM CONTROLLER FOR A1500 A2000 A3000 AND A40000

- Supports Mitsumi Lu005 or FX 0011D CD Rom Drive
- Includes "PlayCD" utility for audio operation
- Complete online documentation
- Compatible with workbench3.1 cd file System Babel CDFS ASIM CD-ROM filesystem and single photo CDs
- Supports most IDE hard drives

TANDEM £69
TANDEM + CD ROM £269

CDTV ADD ON

FOR A500 or A500+

A570 ..... £99

MULTIFACE CARD 3

Multi I/O card for Amiga A1500 A2000 A3000 or A4000 2 additional serial ports and 1 parallel port £99

SCANNER

ALFADATA
256 Greyscale Scanners for A500 A500+ A600 A1200 A1500 A2000 A3000 new A4000

AD 105 with Touch up and merge it software £119.95
AD105+ with Touch up and merge it and OCR Software £169
(AD105+ require 2MB RAM ad hard drive)

ALFA COLOUR

256K 18 bit colour scanner for all Amiga system AD 105C £339
MIGRAPH COLOUR BURST 262144 colour scanner with OCR £389

POWER SCANNERS

Power Scanner 4 (mono) £119
Power Scanner 4 (colour) £239
Power Scanner 4 + OCR £159
Power Scanner 3 ..... £99

EPSON

Epson GT6500 power scan £699
Epson GT6500 ASDG £789
Epson GT8000 power scan £1199
Epson GT8000 ASDG £1298

GVP ACCELERATORS

40MHZ A1230/OMB RAM FOR A1200 ..... £235
40MHZ A1230/4MB RAM FOR A1200 ..... £349
50MHZ A1230 II 40MB RAM FOR A1200 ..... £369
50MHZ A1230 II 4MB RAM FOR A1200 ..... £569
SCSI Module £79

MICE AND TRACKBALL

ALFADATA 290 DPI mouse £9.99
ALFADATA 400 DPI mouse £13.95
ALFADATA optical mouse £29.99
ALFADATA optical Pen mouse £34.95
ALFADATA crystal trackball £29.95
GASTEINER 400 DPI mouse £14.95
Low Cost Mouse £8

ACCESSORIES

Dust Covers £6
Disk Boxes from £5
Monitor Stand £10
Real Time Clock A1200 ..... £15
Scart Cables £10
Printer Cables £5
Modem Cables £8
Null Cables £8
SCSI Cables £8
2.5" IDE Cable £10
2.5" to 3.5" Cable £15
Auto mouse/Joystick Switch £12.99
Philips 8833 II Cable £10
Branded disc (10) £5
3.5" internal drive for Amiga A500 ..... £49
3.5" internal drive for A600 ..... £79

POWER SUPPLY

A500 - A1200 PSU £34.95
A2000 ..... £79.95

NEW NEW NEW
SPECIAL OFFER

Disk Expander for HD and floppies £35
GIGA MEM Virtual memory for all Amigas with MMU £39.99

Repair Service

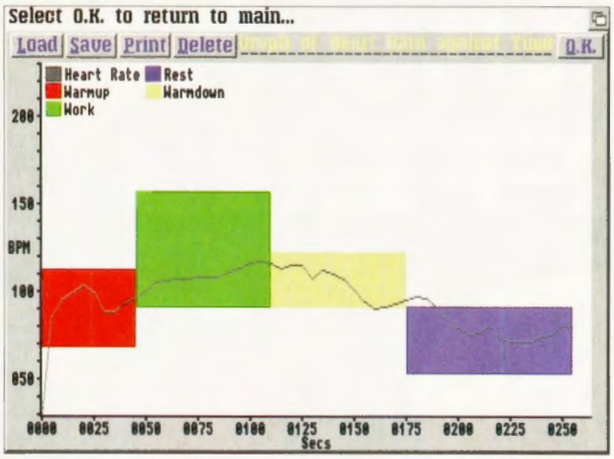
New service centre for most Amiga computers. We offer a quotation service of £10 for which we will examine your computer and report back with an exact quotation price for the repair. If the repair is carried out the £10 is then deducted from your bill.

How to order

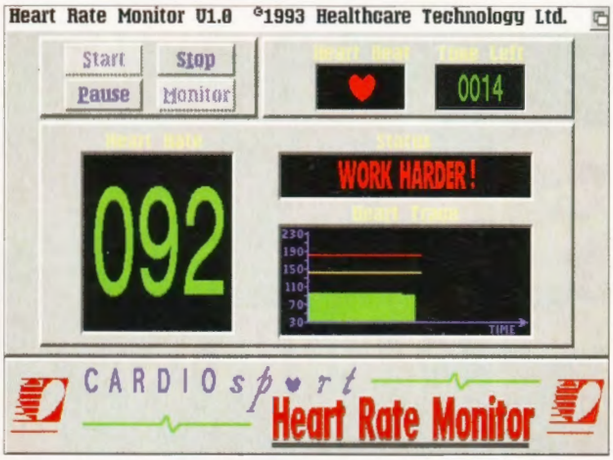
When ordering by telephone please quote your credit card number followed by the expiry date and also your full name and address. If paying by cheque please make it payable to Gasteiner Technology. In any correspondence please quote a phone number and also a postal code, please allow five working days for cheque clearance.

Delivery Charges

Small consumables and software items under the value of £59 please add £3.50 P&P. Other items except lasers, next day courier service £10 per box. Offshore and Highlands, please call for a quotation. In addition we offer the the following express services: Saturday Delivery normal rate plus £15 per box, Morning, next day normal rate plus £10 per box. E'& OE prices subject to change without prior notice. All trademarks acknowledged



You can break up your training schedule into as many periods of activity as necessary. Try to keep your heart rate within the bandwidths shown.



If you underperform, the software will tell you with a friendly message.

Heart TRACK

Does your ticker pitter-patter too lickety-split when you're exercising? You can work it out with Nick Veitch and his fitness program.

ABOUT FOUR YEARS ago, John Kennedy beckoned me into his bedroom to show me "something real neat". I followed, only to find that the object of his desire was a circuit board full of small components and a long lead with a rubber sucker on the end. The purpose? To measure the wearer's heart rate. "It's very nice," I said, "but what's the point?"

I now know that the point is to keep track of your fitness. When you are unfit, your heart rate increases much more when you exercise than when you are in good condition. It also takes longer to get back to normal, and when it does a normal, resting heart rate for a fit person is lower than that for an unhealthy one.

Fortunately, the days of sticking rubber things to your nipples are long gone and Healthcare Technology have come up with a slightly more hi-tech way of solving the problem. The electrode, now in the form of two terminals sunk into a rubber strap, fastens easily over your chest using an elasticated strip. A transducer, which converts the electrical charge into a useful electronic signal, is contained in a small module, which clips on to the belt provided. The unit is not active until connected, which saves on batteries.

The signal is transmitted to a small receiver connected to the serial port of the Amiga. The software then receives a signal every time a heart beat is detected. By timing the interval between beats, you can calculate your heart rate.

In the standard monitor mode, your heart rate is displayed in big letters on the screen next to a graph which plots your heart rate against time which is useful for assessing your normal heart rate at rest and during exercise.

You plan your fitness routine in the Program section. Here you set upper and lower limits for your heart rate during an exercise period. While you are training, the software displays a graph of your heart rate together with the limits you have specified. When you move into a different set of limits (for example, when progressing from the warm-up phase into the work phase) the new lines are displayed.

If you stray outside the limits, a warning appears on screen telling you to ease up, or more likely, to work harder. At the end of the session, you can call up another graph which colour codes the different target areas and overlays your actual heart rate to show you how well you did.

The third bit of hardware is the receiver unit. You don't have to wear it on your wrist, but performance becomes quite erratic when you are more than two metres away from it. This restricts its usefulness to exercises involving static machines, such as treadmills, cycling or rowing machines.

Aside from that, my only quibble is with the software, which could do with some polishing. For example, it could set up the heart rate limits for you, or at least give some assistance after testing your heart rate at rest and during moderate and heavy exercise.

Perhaps it could also ignore minor glitches. Being able to define bandwidths for your heart rate would prove very useful to those in training for long-distance endurance events, where sustained performance is more important than sudden bursts of power.



Keep abreast of your heart rate and plan a realistic training programme using the *Heart Track* software.

HEART TRACK



DESCRIPTION
Exercise software/hardware

MANUFACTURER
Healthcare Technology Ltd

DISTRIBUTOR
Healthcare Technology Ltd
0243 528800

PRICE
£94

RELEASE
Out now

SPEED ●●●
Well, it's faster than your heart rate anyway. There are no speed worries with this program.

MANUAL ●●
The manual is brief, but it does go through the basics of setting up the *Heart Track* software.

ACCESSIBILITY ●●●●
So simple to use that you should have no problems setting up and using *Heart Track*.

FEATURES ●●●
The *Heart Track* software could have been a touch more elaborate, but it does the job.

VALUE ●●●
A neat unit. Building your own would save money but would be neither as comfy nor as easy to use.

VERDICT

"Heart Track is a very useful tool for heart monitoring your heart rate although you are restricted by the range of the receiver unit. The software could have been polished up a bit to ignore minor glitches and to define bandwidths."

79%

INTERACTIVISION SPECIAL OFFERS

INTERBASE MANUAL

only £7.99

Special price for Amiga Format readers **£7.99**

Now that you have got started with *InterBase* on the *AF* Coverdisk, you will have discovered what a great piece of software it is. But you can get much more out of it than there was room to tell you about in the *Amiga Format* Coverdisk instructions. In fact, you could write a book about how to get the most out of *InterBase*. So we did. If you want to discover in depth how to use the relational features properly, how to join files, unite records, update, create statistics and how to explore a large number of other weighty topics, you should consider getting this wonderful paper-based information storage and retrieval system, aptly titled the *InterBase* Manual. There are 70 pages packed with endless fun and a totally gripping ending. Order your copy now!

INTEROFFICE

only £29.99

(or £19.99 for individual programs)

Special price for Amiga Format readers **£29.99**

InterOffice is a completely integrated software package – it comprises three programs, all of which are geared to squeezing the last drop of power out of your Amiga. We've put together an amazing deal for *Amiga Format* readers so that you can either buy the complete package at a rock bottom price, or individually purchase programs at a substantial discount.

InterOffice comes equipped with:

INTERBASE

OK, so you're not likely to spend lots of cash to get the same program twice, but if you buy the complete *InterOffice* system, you'll get the *InterBase* Manual thrown in for nothing. Hurrah!

INTERSPREAD

If you need help in reconstructing a vast financial empire, or if you just want to budget your pocket money, *InterSpread* is the package for you. Why bother working out how much you owe the loan sharks with a pencil and paper when over 60 mathematical functions are at your command in a truly gargantuan program which can handle worksheets up to 3,000 by 10,000 cells. To ease repetitive tasks there is an extensive macro utility and your results can be displayed on screen in almost any graph format. With *InterSpread* you need never fear your bank manager again.

INTERWORD

This excellent word processor, with a huge dictionary may not have all the features of some of the latest page layout programs, but it is fast, efficient and friendly. Whether you want to write a note or create the greatest masterpiece of English literature since Steve Bradley's last game review, this program is more than able to cope with it.



PLEASE POST TO:
Interactivision Offers, Kompart UK,
Guildford House, 20 Guildford Road,
St Albans, Herts AL1 5JY

PLEASE SEND ME (TICK)

	INTERBASE MANUAL	£7.99	☐
	INTEROFFICE	£29.99	☐
OR:	INTERBASE	£19.99	☐
	INTERSPREAD	£19.99	☐
	INTERWORD	£19.99	☐

I enclose a cheque for: _____

Make cheques payable to Kompart UK. Add £1.50 for p&p

ACCESS/VISA card no _____

Expiry date _____ **Name on Credit Card** _____

Please supply credit card holder's address if different from above

Name _____

Address _____

_____

_____ **Post code** _____

Signature _____

GROUND ZERO SOFTWARE

AMIGA PUBLIC DOMAIN SOFTWARE

☞ To order Public Domain software, simply send your name, address (PRINTED CLEARLY) and your order details. Eg. Disks code numbers and title names. ☞ Remember that prices are per disk and not per title. Take particular notice with multiple disk titles. ☞ UK Postage and packing at 75p covers any order size. ☞ Make sure you send the correct sum of money, otherwise your order cannot be processed. ☞ For detailed programme descriptions of these and thousands of more PD titles, check out our catalogue disks.

ORDERING PD DISKS

PRICE PER PD DISK £1.00
(1 DISK FREE FOR EVERY 10 PURCHASED)

CATALOGUE DISK VOL.1 ... £0.50
CATALOGUE DISK VOL.2 ... £0.50
POSTAGE & PACKING £0.75

Overseas orders. Use the above prices, then add 20% of that total, to cover the extra postage costs. Thank you.

PLEASE MAKE ALL CHEQUES/POSTAL ORDERS IN STERLING PAYABLE TO
GROUND ZERO SOFTWARE

DISKS CHECKED FOR VIRUSES.
DATA VERIFICATION ENSURES ERROR FREE DISKS.
SAME DAY DESPATCH ON MOST ORDERS.

GROUND ZERO SOFTWARE (AF)
4 CHANDOS RD
REDLAND
BRISTOL BS6 6PE
ENGLAND

*PLEASE DO NOT SEND CASH THROUGH THE POST *
REMEMBER TO INCLUDE POSTAGE & PACKING COSTS

ALL TITLES ARE COMPATIBLE WITH ALL AMIGA'S UNLESS STATED OTHERWISE

NEW STUFF

U334 **MIXED IMAGINE OBJECTS 2** - Various objects for the Imagine 2 raytracing package.
U335 **MIXED IMAGINE OBJECTS 3** - As above.
U336 **MIXED IMAGINE OBJECTS 4** - As above.
U337 **MIXED IMAGINE OBJECTS 5** - As above.
U338 **MIXED IMAGINE OBJECTS 6** - As above.
U339 **MIXED IMAGINE OBJECTS 7** - As above.
U340 **MIXED IMAGINE OBJECTS 8** - As above.
U341 **MIXED IMAGINE OBJECTS 9** - As above.
IMAGINE
T36 **ALIENS CONFIDENTIAL** - Alleged factual documents, interviews and stories about UFO's and Aliens. Files come from all over the world. Very chilling.
G300 **V CHESS 2.0** - Superb Chess game. Many useful features. Recommended for casual and expert players alike.•NOT A500•
U342 **SUPER LEAGUE 3.4** - Powerful football league database and statistics analyser. You can even set up your own league tables. Records fine detail information such as who scored which goal and after how many minutes. Brilliant programme.
U343 **QUADRA COMPOSER 2.0** - Music composing software. Noisetracker compatible. Uses a more friendly approach rather some of the more cluttered screens common with many others, but just as powerful •NOT A500•
G301 **TURBO ICE HOCKEY** - 2 Player Ice Hockey game. •NOT A500•
G302 **DINOWARP** - Dinosaur quiz game.
U344 **DELITRACKER V13.7** - Music module player. Supports 50 different formats. All the well known formats and many of the more obscure ones too. •NOT A500•
U345 **REORG V3.11** - Disk optimiser. Speeds up disk operations (floppies or hard drives) by rearranging the data on the disk for optimum performance. •NOT A500•
G303 **ORK ATTACK** - Protect the kingdom from the marauding Ork's. Loads of blood!!!!
U355 **POWER LOGO 1.3** - Logo programming language with Arexx support.
D184 **FULL MOON** - Stunning new demo from Fairlight. •A1200 ONLY•
D185 **FATAL MORGANA** - Superb original demo. Includes a tribute to MTV's Beavis and Butthead. •1200 ONLY•
U347/348 (2 DISKS) **TEXTURES** - Texures for Real 3D 2 & Lightwave.
U349 **MT COPY** - Disk copier that checks for viruses while it duplicates.
U350 **TELE TITLE 2** - Video titling. Lores version.
U351 **TELE TITLE 2** - Video titling. Hires version.
U352 **TELE SCROLL 1** - Video scrolling.
U353 **TERMINUS 2.0d** - One of the top three shareware modem communications packages. Latest release.
U354 **LYAPUNOVIA V1.5** - Fractal creator. Similar to Mandelbrots, but not quite. Very good.
G304 **DELUXE GALAGA** - Fabulous shoot-em-up with bonus levels, power ups, and sexy graphics. •NOT A500•
U356 **MILITARY CLIPART 1** - Large bitmap images, many are larger than the screen. Autoboots as a slideshow and mouse scrolls picture to see the entire clipart. Use with Dpaint and DTP.
U357 **MILITARY CLIPART 2** - As above.
U358 **MILITARY CLIPART 3** - As above.
U359 **MILITARY CLIPART 4** - As above.
U360 **MILITARY CLIPART 5** - As above.
U361 **MILITARY CLIPART 6** - As above.
U362 **MILITARY CLIPART 7** -As above.
U363 **MILITARY CLIPART 8** - As above.
U364 **MILITARY CLIPART 9** - As above.
U365 **MILITARY CLIPART 10** - As above.
U366 **TRONI-CAD** - Schematic CAD package. Electronic circuit boards etc..
G305 **ESCAPE MOUNT DOOM** - Animated Role Playing game.
G306 **METAL MOTION** - Operation Wolf type shoot-em-up. Armed with a machine gun and loads of enemy. Brilliant, the best of the genre doing the PD circuit. •NOT A500•
G307 **DART** - Darts game. For one or two players. Practice and Tournament levels, Amateur and Professional. Eight computer opponents.
G308 **QUACKERS** - Cute platform games starring a duck.
U367/368 (2 DISKS) **DICE C V2.5** - Stands for Dillions Intergrated C Environment. Complete C programming language. Not easy to setup but comprehensive instructions provided to help you get started, even beginners. CLI knowledge helps.

FINAL FRONTIER
STAR TREK & THE NEXT GENERATION
Disk magazine for all Trekkie fans. Loads of news, reviews and interviews. Plus music and graphics. All five disks for only £6.99 inc. ISSUE 6

ASSASSINS **GAMES COMPILATIONS 1 - 154, IN STOCK.**

EDUCATION

E55 **COMMUNICATE** - Translates sign language, morse code, braile, flags, etc.. Good learning tool.
E59 **STAR VIEW** - Displays all the stars, planets, and constellations. With zoom facility.
E16 **CHESS TUTOR** - Four programs that take you through the rules to taking part in historic matches.
E52 **COLOUR THE ALPHABET 2** - Learning game for infants. Includes Digitised speech. V.good.
E41 **FRACTIONS** - Teaches and tests you on (+)ing, (-)ing, (x)ing, and (/)ing with fractions.
E49/50/51 (3 DISKS) **DESKTOP GUIDE TO MUSIC** - Everything you ever wanted you know about electronic music. •NOT A500•
E44 **THE MATHS ADVENTURE** - Maths problems integrated into an adventure game.
E60 **CODE MUNGUS** - Highway Code testing program. Strange name but a brilliant bit of software.
E69 **ASTRO 22** - Astrology plotter programme for horoscopes.
E58 **DESERT STORM HYPERBOOK** - How the war was won. Includes maps.
E46 **LITTLE TRAVELLER** - Useful information on the Worlds popular travel spots. For holiday makers.
E23 **TOTAL CONCEPTS - ASTRONOMY** - Lots of interesting facts and digitised stills.
E24 **TOTAL CONCEPTS - DINOSAURS** - All about prehistoric Earth.
E65/66 (2 DISKS) **TARRO MASTER** - Tarro card tutor and prediction software.
E17 **PROJMOT** - Plots a graphic path of a projectile.
E3 **WEATHERMAN** - Weather Forcaster.
E18 **BIORHYMS CALCULATOR** - Displays your personal biorhyms graph for any month of any year.
E30 **GCSE MODULE 1** - Maths study disk.
E12 **UNITS** - Speed, time, weight, length, angles, force, density, volume. Measurement conversions.
E33 **ELEMENTS v2.3b** - Interactive periodic table for chemistry.
E36 **STEAM ENGINE** - Cross section animation of a steam engine. See how they work, with labels.
E37 **FOUR STROKE PETROL ENGINE** - Cross section animation of a car petrol engine.
E42 **GAS TURBINE ENGINES** - Cross section animations of an old and modern turbine jet engines.
E54 **STIRLING ENGINE** - Cross section animations of the Stirling engine.
E56/57 (2 DISKS) **AMERICAN FOOTBALL** - Comprehensive illustrated rule book of this sport.
E68 **KIDS DISK 2** - Maths Maze, Beat Sheets, Shape sorter. Edutainment games.

BUSINESS SOFTWARE

U312 **BUDBASE V1.2** - Simple to use database.
U311 **EASY CALC PLUS** - Commercial quality spreadsheet. Loads of features. •NOT A500•
U324 **JcGRAPH 1.0** - Ex-commercial graph plotter. 25 different type of graphs, even 3D ones.
U310 **PAY ADVICE DATABASE v3.00** - Payslip database. Shareware demo version.
U303 **INVENTORY v2** - Stock control, staff wages database and general database all in one.
U135 **600 BUSINESS LETTERS** - A letter for every occassion. Job applications to complaints.
U273 **ACCOUNT MASTER v2.1** - Very powerful personal finance accounts programme.
U204 **CHEQUE BOOK** - Keep a track on your cheque account. Nice and easy.
U242 **LAST WILL AND TESTAMENT** - Ready prepared wills to cover endless situations.
U209 **FORM REALLY UNLIMITED** - Invoice and form designer with print facility.
U166 **BIZCALC** - Loan and mortgage calculator.
U304 **TEXT ENGINE v3.4** - The best shareware word processor. With intergrated spell checker.

GRAPHICS UTILITIES

U1 **ULTIMATE ICON DISK** - Edit, draw your own Workbench icons. Import graphics from IFF paint packages. Loads of example icons included.
U3 **M-CAD** - The only PD Computer Aided Design programme. Pretty good.
U9 **C LIGHT** - Ex-commercial raytracer, now shareware. Easy to use.
U62 **SCENE GENERATOR** - Fractal landscape generator. Produces realistic mountain landscapes with water, clouds, snow, etc...
U115 **LAND BUILD** - Another powerful fractal landscaper.
U102 **AMIGA FOX** - Desktop publishing package.
U142 **FREE PAINT** - The best PD IFF paint proggy.
U206 **CYCLOPS** - Plasma picture generator. Colourful and weird effects.
U271 **POLYED** - Animation creator. Uses polygons to allows large animations on low memory Amiga's.
U190 **GATORS GRAFIX GALLERY** - Tips on how to produce professional logos.
U289 **MINI MORPH** - Picture warping and morphing programme. Supports 16 colour pictures.
U286 **KIDS PAINT** - Simple, easy and functional art package for youngsters.
U306 **ELECTRONICS CAD** - Schematic designer. PD demo version.
U211 **CAPTIONATOR** - Scrolling text video titler.
U187 **MOBED 2** - Sprite drawing and animation editor. For coders.
U154 **AUDIO ANIMATION** - Animation studio with onion skin facility. Sound samples can be assigned to any frame.
U54/U55 (2 DISKS) **VIDEO UTILITIES** - Collection of useful video titling tools.
U285 **sMOVIES** - Video titling tool. For adding scrolling text to videos. Text can scroll up or down and across the screen. Plus some other xtra fx.
U295 **MIXED IMAGINE OBJECTS** - Loads of Star Trek objects and military hardware objects for

CLIP ART

U236 - Photo coplers, Office, Men at work.
U230 - Food.
U224 - Sign boards, Star Trek, Christmas.
U223 - Sports, Transport, Work.
U221 - Anatomy, Buildings, Christmas, Holidays.
U220 - Animals, People, Places.
U218 - Cartoons, Construction, Religion, School, Weddings.
U100 - Teddy bears.
U96 - Easter, Christmas, Jungle Animals, Famous faces.
U95 - Zodiac signs, Computers, Symbols, Logos, Sport.
U251 - Babies, Furniture, Space, Skeletons.
U233 - Christmas.
U229 - Cars, Flowery decorations, Cupid, Hearts.
U227 - Palm trees, Party invites, Maps of Europe, Postage stamps.
U226 - Wild west, Crowds of people, Frames, Signs.
U225 - Fancy letters, Cars, Cute Animals.
U222 - Music, Silhouettes, Symbols, Teddy bears.

MUSIC TOOLS

U178 **COMPOSER** - Traditonal music composing with notes and staves.
U314 **OCTAMED TUTOR** - comprehensive manual for struggling Octamed users.
U371/372 **DRUM KIT SAMPLES** - Countless drum samples, snares, bass, toms, claps, cymbals, etc..
U325 **OCTAMED V2.0** - The best PD music sequencer around. Quite complex, but well worth the effort.
U183 **PROTRACKER** - Another good music sequencer.
U256 **ST-05** - Sound samples and intruments for use with either U183 and U325.
U257 **ST-11** - As above.
U258 **ST-50** - As above.
U259 **ST-87** - As above.
U260 **ST-88** - As above.
U261 **ST-89** - As above.
U262 **ST-91** - As above.
U263 **ST-92** - As above.
U264 **ST-93** - As above.

DISK UTILITIES

U281 D-COPY 3.1 - Powerfull disk backs up software.
U215 FREECOPY 1.8 - Backs up 100's of game titles.
U283 **LOCKPICK** - Similar to Freecopy but supports some other different titles - around 450.
U158 **NOERRORS** - Formats hard drives and floppies with hard errors (physical damage to surface) and hides them so data will not be written or read from the bad tracks. Saves you money, useless disks can now be used.
U94 **MRBACKUP** - Hard drive backup software.
U327 **DISKSALV 2** - Corrupt data recovery. Undeletes files, validates disks, reads badly corrupt files and rewrites them, etc... •NOT A500•
U328 **MAVERICK COPIER** - Another powerful games copier. Well over four hundred games supported.
U329 **EPU HARD DRIVE STACKER** - Increases hard disk space upto 50% using special compression libraries which compress files written to the disk. •NOT A500•

MIXED UTILITIES

U291 **RELOKICK** - Downgrades your A500+, A600 or A1200 to Kickstart 1.3. Very reliable compatibility ratio when used to run many A500 only titles. Even works with many commericial games. Essential.
U301 **A-REXX MANUAL** - Extensive manual on the A-Rexx programming language. Many example scripts.
U206 **RACE RATER** - Horse racing predictor.
U294 **POOLS TOOLS** - Football pools predictor.
U323 **FOOTY** - Football league database. Presents various types of statistics, plus match predictions.
U316 **MAGIC WORKBENCH** - Give your Workbench a cosmetic face lift. Changes the icons and a choice of background patterns.•NOT A500, REQUIRES A HARD DRIVE•
U293 **PARBENCH** - Amiga networking software. Allows communications and comrtol bewteen two connected Amiga (even CDTV) computers.
U353 **TERMINUS 2.0d** - Excellent modem communications software.
U300 **NCOMM 3.0** - Lastest version of this incredibly popular communications package. Very easy to setup. Great for beginners.
U267 **SPECTRUM EMULATOR V1.4** - Run Spectrum games on your Amiga. Load in software via a sampler. Games can then be saved to disk.
U241 **CANON PRINTER DRIVERS** - Bubble Jet drivers for the following models: CanonBJ30, CanonBJ10-20, CanonBJ300-300.
U239 **STAR PRINTER DRIVERS** - 9 and 24 pin printer drivers for the Star range of printers.
U103 **MESSYSID II** - Transfer files to and from Amiga DOS and PC MSDOS disks.
U313 **AGA UTILITIES** - Loads of utilities for A1200 owners. Includes a number downgrading tools.
U274 **CG FONTS COLLECTION VOL.1** - Scalable Compugraphic fonts for word processors and DTP that support this format. High quality.
U275 **CG FONTS COLLECTION VOL.2** - As Above.
U276 **CG FONTS COLLECTION VOL.3** - As above.
U308 **CG FONTS COLLECTION VOL.4** - As above.
U318 **BLITZ BLANKER** - Brill screen blanker written in Blitz Basic, includes source code. Comes with a variety of modules. Best used with a hard drive.
U368/369 (2 DISKS) **SCALA BACKGROUNDS** - Hi-res backdrops for use with Scala.

U163/164 (2 DISKS) **A64 PACKAGE** - Commodore 64 emulator. Run C64 games on your miggy. •NOT A1200•
U146 **AMIGA SYSTEMS CHECKERS** - Suite of Amiga system performance testers and diagnostic analysers.
U112 **AMOS WORD SQUARE SOLVER** - Locate those elusive words.
U111 **GOLFSCORE** - Golf score database. Keep a computerised record of your results.
U7 **GHOST WRITER** - Intro demo writer. Also include your own music modules.
U160 **BROWSER II** - Superb directory utility. For transfering files etc.. Editable pull down menus.
U188 **EDIT KEYS** - Keymap editor.
U269 **DART MACHINE** - Computer dart scoring.
U290 **CHARACTER GENERATOR** - Advanced Dungeons and Dragons character generator. Every rule is realised by the programme for character creation. Also will print out the character sheet.
U280 **LEMMINGS II HARD DRIVE INSTALLER** - Install Lemmings 2 on your Hard drive. •NOT A500, REQUIRES 1.5 MEGABTYES OF RAM•
U302 **AMOS NCOMMAND** - Design Workbench 2.0 style front ends for your Amos programmes. Saves as Amos source code. Save yourself hours of coding.
U307 **AMOS PRINTER ROUTINE** - Creates GFX printer printer routines for Amos projects.
U248 **NOAH'S BEGINNERS GUIDE TO THE AMIGA.** -Tutorial for complete beginners. Based on the A500 but loads of universal information for all models. Also covers hardware like, modems, hard drives, and printers.
U240 **AMOS LESSON 1** - Easy Amos tutorial. Focuses on basic screen commands, giving many examples (interactive) on how they work and for what purpose they can be used for.
U173/174 **NORTH C** - Complete C programming environment.
U355 **POWER LOGO 1.3** - Logo programming language.

DEMOS •A1200 ONLY•

D153 **RETINA** - Energetic rave music with flashy effects. Turn down the lights!!!
D157 **MOBILE - DESTINATION UNKNOWN** - Spectactular vector demo.
D159 **LETHAL EXIT** - Long running vector based demo. Light sourced vectors and tunnels....
D160 **TROJAN - TECHNO TRACKS II** - Rave demo from the US of A.
D172/173 (2 DISKS) **ORIGIN** - This demo has everything. Wonderful visuals.
D149 **PLANET GROVE** - Very eye catching.
D158 **NOP AGA** - Little demo from Hungary.

DEMOS

D161 **FAIRLIGHT 242** - Twenty nine megabytes of graphics compressed onto one disk. Incredible. Cool rave demo. •A500+ & A600 USERS REQUIRE FAST RAM OR RELOKICK•
D181 **SANITY ARTE** - Who needs AGA with cool demos like this. A must.
D148 **STATE OF THE ART** - One of most graphically impressive music demos ever.
D140/141 (2 DISKS) **RSI TIME ZONE** - Awesome megademo.
D174/175 (2 DISKS) **NINE FINGERS** - Superb dance rave demo. From the creators of State OfThe Art. Incredible.
D171 **EXTENSION** - One of those demos you'll want to watch over and over again.
D111 **FRACTAL FRENZY** - Mandlebrot demo. Fast real-time calculations.
D90 **SESPOIR** - Pretty classy demo.
D77 **MELTED EXPERIENCE** - Recommended for all serious demo colectors.
D65/66 (2 DISKS) **SILENTS BLUE HOUSE** - Strange combination of a Thrust clone and loads of music tracks. V.good. •NOT A1200•

MUSIC DEMOS

M137 **DIGITAL DEBUSSY VOL 1** - Five haunting piano renditions of Claude Debussy, By Rob Baxter.
M138 **DIGITAL DEBUSSY VOL.2** - More piano suites.
M139 **CLASSIX** - Music of three famous composers: Handel, Bach, and Pachelbel.
M134 **RHAPSODY IN BLUE** - Popular jazz music. From the Galaxy chocolate advert!!!
M130/131/132/134 (4 DISKS) **THE A-Z OF C64 SONGS** - Hundreds of classic Commodore 64 tunes from games. Many from the top game music composers of that era. Great stuff.
M129 **TOCATA & FUGUE IN D MINOR** - Well known popular classical music piece - but no one seems to know the name? •NOT A500•
M125 **MUMBO JUMBO** - Decent music and intersting visuals. Things fly all over the place.
M122 **GOSPEL KARAOKE** - Sing a long to the words and sampled music.
M119 **TECHNO WARRIORS** - Rave for over 24 minutes.

SLIDESHOWS

S88 **FORGOTTON** - Riveting fantasy artwork.
S87 **TERMINATION PICTURE SHOW 1** - Hand drawn characters from 2000AD and the DC comics.
S86 **CAT SLIDESHOW** - Digitised cute and fluffy kitties.
S85 **NAM SLIDESHOW** - Snaps from the Vietnam war.
S73 **GULF WAR SLIDESHOW** - What hardware was used in the conflict.
S67 **NAGEL SLIDE** - Hand drawn pictures of seductively dressed ladies.
S47 **HAM PICTURES 1** - Models in swim suits.

S99 **JURASSIC PARALLAX** - Many vicious dinosaurs.
S98 **SATURNE 93** - Well drawn artwork, from Manga art to fantasy art.
S91 **MANGA WORLD** - Needs no introductions, the cult japanese cartoons.
S92 **AKIRA** - More Manga pictures.
S100 **FERRARI AGA** - Fast sports cars. •A1200 ONLY•
S94 **NIGEL MANSELL AGA** - Nige in his Formula One racing days with Williams. •A1200 ONLY•
S93 **REVELATIONS** - One of the best hand drawn slideshows ever. Amazing attention to detail.

GAMES

G282 **MEGABALL AGA** - Superb arkanoid clone in 256 colours. A real quality game by any standard. •A1200 ONLY•
G288 **NUMERIX** - Excellent board game for 1 or two players. A hybrid of Tetris, Dominos, and Scrabble.
G273/274 (2 DISKS) **STARBASE 13** - Sci Fi graphic adventure. Uses point and click interface used by such games like Monkey Island.
G222 **CHESS GAMES** - 2 very well programmed chess games: GNU Chess •NOT A500•, and Chess 2.0 (for all Amiga's). Includes 10 top Chess tips on how to play succesful Chess.
G280 **BLACK DAWN** - 3D perspective dungeon game with an Alien Breed scenario.
G37 **SEALANCE** - Submarine wargame.
G183 **BOUNCE & BLAST** - Very playable platform blasting game. Brilliant cartoon sprites.
G193 **HELLZONE** - Shoot-em-up like R-Type.
G200 **FIGHTING WARRIORS** - 1 or 2 player martial arts combat game. Large well animated characters with numerous moves including a couple of special moves.
G205 **TOP OF THE LEAGUE** - Soccor management game.
G210/211 (2 DISKS) **TALISMAN** - Huge icon driven graphic adventure. •REQUIRES 2 MEGABYTES•
G212 **FRUSTRATION** - Text based adventure. Loads of depth.
G224 **OBLIVION** - Fast moving defender clone.
G226 **MORIA V5.4** - Massive RPG, Dungeons and a town to explore. Hours of play.
G229 **GIGER TETRIS** - Tetris with 256 colours. •A1200 ONLY•
G290/291 (2 DISKS) **GEORG GLAXO** - Amazing platform game from Germany.
G237 **BACKGAMMON** - Computer version of this board game. One or two players.
G241 **IMPERIAL WALKER** - Take control of an X-Wing fighter and stop the Imperial Walkers from reaching the Allied HQ. 3D Game.
G246 **WIBBLE WORLD GIDDY** - Amazing platform puzzle game similar to the budget Dizzy games.
G299 **HIGH OCTANE** - Overhead racing game for 1 or 2 players. Masses of features and best graphics in a PD racing game.
G238 **TETREN** - Tetris game with themed levels. Takes the theme one step further.
G271 **JELLYQUEST** - 3D Isometric puzzle game.
G168 **OTHELLO** - Good version of the board game. Computer player is a real tough customer.
G276 **THE GREAT ESCAPE OF BILLY BURGLAR** - Lovely little platform game. Help Billy escape from the spotlights.
G68 **INSIDERS CLUB** - Stockmarket game. Better than it sounds. Very polished addictive game.
G177 **CRAZY SUE II** - Very popular platform adventure game.
G35 **JAR** - Crystal Castles clone. An old arcade game a bit like Pacman with raised platforms. 3D isometric. A real cassic PD game.
G183 **TREASUE ISLAND** - Treasue search game for youngsters.
G286/287 (2 DISKS) **EXORCISM** - Sinister graphic text adventure in a haunted house.
G283/284/285 (3 DISKS) **KLONDIKE DELUXE AGA** - Fantastic card game, Each card shows a different 256 colour picture. Glamourous ladies.
G296/297 (2 DIDKS) **MOTOROLA INVADERS** - Shoot-em-up for AGA. •A1200 ONLY•
G254 **THE LAST REFUGE** - Entertaining medieval shoot-em-up.
G255 **AMOS CRICKET** - Cricket game.
G256 **SHANGHAI** - Oriental tile board game.
G257 **DELUXE PACMAN** - Great Pacman clone. Much improved over the original. Includes power up items besides the normal power pills.
G256 **BONDMINE #13** - Boulder Clone at it's best. A game not to be missed.
G268 **SLAMBALL** - Futuristic American football management game. Based on Speedball.
G269/270 (2 DISKS) **18th HOLE** - Awesome golf game.
G239 **RAID III** - Game produced using the Shoot-em-up construction kit. Superb graphic detail make it about the best PD game created using this designer. Looks a bit like SWIV.
G139 **CROAK** - Frogger clone. 2 player mode lets you race against a friend at the same time. Great laugh.
G142 **BATTLEMENTS** - Rescue Esmerelda in this Hunchback clone.
G158 **BRAIN BALL** - Look looking original puzzle game. Requires great skill, so it's pretty tough.
G240 **BILLY THE DRAGON** - Easy going cute blaster for kids.
G196 **CAG** - Produces graphic adventure games, no porgramming knowlege required.
G88 **21 GAMES** - Chinese Checker, Amigatration, Cosmoroids, Peg puzzler, Tic tac toe, Bally III, Backgammon, Up and down, Deluxe Hamburger, Kamikaze chess, Egyptian run.... And loads more...

IN CASE YOU DO NOT SEE A PARTICULAR TITLE YOU ARE LOOKING FOR, ENQUIRE OVER THE PHONE. AND WE WILL BE HAPPY TO TELL YOU WHETHER WE STOCK THE TITLE/S, THIS MAGAZINE ADVERT IS ONLY A VERY SMALL SELECTION OF WHAT WE HAVE AVAILABLE.

PHONE ENQUIRES (MON-FRI 9.00 AM TO 6.00 PM): 0272 741462

EXPRESS PD, Dept AF, Magazine Business Centre,
11 Newarke Street, Leicester, LE1 5SS.
Tel (0533) 559711 Fax (0533) 490118
Mon-Fri 8.30am to 5pm

Express Pd

QUALITY! AMIGA PUBLIC DOMAIN AND SHAREWARE SOFTWARE

U1217 Text Engine V4.1 (P) (Y) - Latest version, best got better!
U1152 Octamed V2 (P) (Y) - 8 Channel Sequencer
A0506 Demon Download (2) (P) - Don't worry it's only a demo by Silent
P0478 Road to Hell (P) (Y) - 2 Meg overhead Driving game!
U1183 Copiers Unlimited (WB2r) - Includes DCopy V3.1, FreeCopy 1, Maverick copy etc
U1208 Code Manager V5.7 (P) (Y) - Driving test/tester
P0509 Star Trek Next Gen Trivia (2) (P) (Y) - Trivia game based on Star Trek
U0076 Messysid V2 (P) (Y) - Transfer PC files to Amiga disk
U097 Sid V2 (P) (Y) - Forget the cli, use this!
U1031 Engineers Kit (P) (Y) - Diagnostic software, includes sys info
U1163 Ming Shu (P) (Y) - Chinese Astrological Program
P0507 Star Base 13 (2) (P) (Y) - Graphical adventure game
U1108 Octamed Sampler (P) (Y) - Samples for Octamed
U1222 Octamed Tutor (P) (Y) - Help Disk
M042 LSD Jesus on E's (2) (P) (Y) - 2 drives required, 27 minutes of stunning graphics and sound! Please state computer
P0502 Necessary Roughness (2) (P) (Y) - American Football sim.
P0491 Mr Men Olympics (2) (P) (Y) - Decathlon game
A0530 Last Stand on Moth (4) (P) (Y) - 3 Meg animation
U1195 Asi Back to School 1+2 (2) (P) (Y) - Educational programs
A519 Vanish Monoxyde (NP) (NY) - Released at W.O.C Show
A576 Hemroids Music Melody (2) (P) - Great music comp
A595 Elenium Devious (2) (P) (Y) - Very good music disk, good presentation
P475 Boulderdash game
P359 Top of the League (P) (Y) - Football management sim.
G099 Manga Slideshow (2) (P) - Very good slides
P198 GCSE Maths (P) (Y) - Good aid
U077 Super Duper V2.02 (WB2r) - Excellent disk back-up system
P0418 Top 100 PD Games (7) (P) (Y) - If you are bored get this pack
A548 Trogan Techno Tracks II (P) (Y) - smashing techno demo
A570 Tri Misery Demo (P) (Y) - Very good quality production
A0072 Odyssey (5) (P) (NY) - 23 minutes 3D space demo, stunning
P434 Iron Clads (2) (P) (NY) - Naval Battle
P511 Amoskeadsomeny (P) (Y) - Fruit machine sim
U0681 Spectrum Emulator V1.7 (P) (Y) - Work better under (WB2/WB3)
U1233 Grapevine Issue 18 (3) (P) (Y) - Amiga disk mag, loads of articles
P0505 Kiss the Canvas (P) (Y) - Huge sprites, Boxing game preview
V1231/V1232 No sampler Utils 1+2 (2) (P) (Y) - Music utils
A0589 Spaceballs 9 Fingers (2) (P) (Y) - If you like Spaceballs S.U.4 get this, it's their second megademo
U1193 Game Tamer V4.59 (P) (Y) - Latest version, full of cheats
P348 Olympiad (2) (P) (Y) - Lammings Olympics
U116 Jr Comms 1.02 (P) - Comms. Software
U0984 Pools Wizard Jr (P) (Y) - Get this to increase your chance of winning
APD180/181 Dungeon Deliver (P) (2) - Adventure game

G173 Slidemania 1 (P) (Y) - Slideshow
U1130 Electronic Word (3) - Old & New Testament
U1134 Octastuff Music - Contains tunes
U1173 Start of the Art (2) (P) - Graphic utils
U1228 Mug Drumkit Sampler 1+2 (2) - more samples
P500 Junior Maths (P) (Y) - Simple maths program
U754 Eye of the Beholder 2 Hint Book (2) (P) (Y) - Help for the game
U1037 D-Solve (P) (Y) - Crossword creator/solver
U1000 Superview V2.4 (P) (Y) - New slideshow maker, includes slides for etoms
U400 4D BBS - Amiga BBS Software
U427 Trans Amiga (3) - Amiga BBS Software
U548 C Eyes Dos 2.05 Utils (WB2r) - Utils
AMA Amateur Radio (25) (P) - 25 disk full Amateur/Comms software
U111 Assassins Printer Disk (P) (Y)
P445 Kids Paint Box (P) - Paint Package
U1101 Zipbench (2) (P) - WB Replacement
M385 Chaos C64 Tunes (P) (Y) - Best of C64 tunes
U177 A64V2 Emulator (P) (NY) - Emulate to C64
U333 A64 Data Disk (2) - Data disk for the C64 Emulator
P412 Wacko in Wonderland (P) - Very decent platform game
U1056 Steelplayer V1 (P) (Y) - Standalone module player like noisetracker
U1032 NFA Nes Cheat Book (P) (Y) - Full of text, cheats
U1061 Yox Samples 1+2 (2) (P) (Y) - Various samples load through tracker
P143 Science Collection (4) (P) (Y) - Element etc
U1068 Programmers Toolbox (P) (Y)
U1052 Visual Intensity Mag (P) (Y) - Disk Magazine
P0395 Hotseat Football Management (P) (Y) - Football management sim.
U0998 Tiny Tiger Hard Drive Utils (P) (Y) - Hard-drive utils
U1110 Guide to Music (P) (Y) - Guide
U1223 Magic WB (P) (Y) - Transform your WB
P515 Skid Mark (P) (Y) - Demo version of new 4x4 rally game
A143 Static Chaos (P) - Silent demo
A562 May Day Resistance (P) (Y) - Techno, Techno, Techno
U1088 Dean Crunchers (P) (Y) - A-Z of crunchers
P499 Read & Learn (2) (P) (Y) - For the kids
P495 Atom (2) (P) (Y) - Discovery of the atom, read all about it
P045 Kids Educational (3) (P) - Includes Spellbound, Hairlabook etc
B011 600 Business Letters - Load through a text/DTP/editor
U944 Numpad - A600 Only, emulate numeric keypad
U1191 Menumaster 3 (P) (Y) - Provide you a front end for a disk/hard drive
P495 Pygpsy Extension Demo (P) (Y) - Vorg good demo
U450 Printer User Pack (4) - Handy pack full of useful printer utils
U1230 Casio Commun. (P) (Y) - Allows you to link Casio organiser to Amiga. Includes software, diagram for cable

P503 Big Will & Troll Game (P) (Y) - Platform Game
A593 Jesus on Cheese (NP) - Techno/rave demo
P512 Ork Attack (P) (Y) - Adventure/Arcade game
P513 Operation Firestorm (P) (Y) - Like Green Beret, preview
P504 Excellent Cards & Mancala (P) (Y) - 4 new card games
U1234 CDTV - CD32 (P) (Y) - Link CDTV keyboard to a CD32

A1200 ONLY

U311 PC Task V2.03 - PC Emulator
P0414 Klondike AGA (3) - Very good card game, 256 colours on screen
P0415 Motorola 2 AGA (2) - Invaders game, good sample
U1132 A1200 WB Hacks - loads of useful hacks
U0970 A1200 WB Screens - AGA WB screens
U0959 Sleepless Nights
M0383 Mirage Subliminal XTC (2) - Rave for A1200 users
U1006 AGA Software 1 - Includes: agatest, Amigatonitz, fblank, checkaga, cycle to menu, doubblex, Forcevga, gif-datatype, pkludge, ppshow, rand 24, vt, wbverlouf
U1007 AGA Software 2 - Includes: Degrader, paletteraq, porray
U1008 AGA Software 3 - A4091 patch, alert timer, bestid, clouds, ham 8-Jap, newpap-4, ntsc4ntsc, patch pointer, pcx datatype, plasma, snx
A0481 Team Hoi AGA demo
A0500 Mindwarp - Planet groove
A0557 Pantu Khai - A1200 Demo, 3D effects
U0958 Winblen AGA - Fractal Generator
P224 Giga Tetris - Tetris game
G0112 Cynostic AGA - Slideshow
P0473 U-Chess - AGA 4 meg chess game
G0169 Magic Slideshow 1 - A1200 Scti slides
G0170 Magic Slideshow 2 - A1200 Scti slides
A0583 Chromagic AGA demo - Music demo
U1128 New WB3 + Superkillers - Virus killers for A1200
U1236 Lyapunovia V1.5 AGA - Fractal generator very good
G143 Nightbreed slides (2) - AGA slides
G172 Nightbreed 3 slides (2) - AGA slides
M384 Bin Mechanoid Symphony No.1 - Good music demo
A592 Xanadu AGA, Explicit 2
P510 Megaball V3 AGA - Like Arkanoid on C64
A591 Vivid Alistar Pig AGA - Good demo with overscan screens
A594 T Map AGA - Requires Joystick
P497 Mental Image Games 1+2 (2) - A1200 compatible games
A502 French AGA - Paint of sale very good demo
G0149 Ham 8 2 pics
U1190 RP Prep Program - Format/prep your HD, good for A1200
U0906 NFA Utils
P0506 Mad Fighter AGA - PD version of Streetfighter clone - choice of 4 fighters
G0166 Manga AGA (4) - Pics

NEW STUFF

Volcano AGA
Scan is Lame (2) AGA
Channel 2 Issue 1-3 (3) AGA
Asi Virus Killers
Yahtsee
Asi Multivisions AGA
The Ultimate Quiz
Mini AGA Slider (2)
Aesthetica AGA
Strange (2)
Access AGA Demo (2)
Nemesis
Parbench
Asi Back to School 3
Minimorph VI
Full Moon AGA
Kefrens Interchange AGA
Origin AGA (2)
Beyond Belief AGA
Clairvoyance
EPU Disk Stacker
A Trip to Deep Base (2)
Musically Challenged
Dragon Compilation
Dithell in Space
Lyapunvia Pics
Re Org V3.11
Super Dark V1.5 (WB2+)
TOADO
Lemon Groovy
Maxi life/Spendwise
Prod Cad Electronic VI
Soldering Disk
Silicon Journal
Heliopolis AGA 100%
French Verb Tester
Professional Bingo
Scala Background 1+2 (2)
Neural Assault
Mean Machine (4) 3-5 + Meg
A Day at the Races
Sanity - Arte
Rayworld AGA (3)
Nova - *Sorry* AGA
Protext 6 Demo
Oniform V1.1
Zam - 4 AGA - Dish Mag
People Clip Art (4)
Symbols Clip Art (2)
Animals Clip Art
Aircraft Clip Art
Kids Disk 3
Ice Runner
Depth Charge
Rink a Drink
BBC Emulator
Fast Food AGA
Dream Trippin
Relokick V1.4
Mellow Grabber Music Vol 2 A15
Virus Checker V6.34
Home Budget 1.3
Portfolio V2.19
UN - Sensible Soccer
Captain Bonus
Georg Glaxo (2)
Sound Collection 1
Exotic Sound Ripper V2.14
Seven Seas S/S
Lyapunovia Pics 2 AGA
Amiga Fax V1.34
To The Death Demo AGA
Maximum Overdrive (2) AGA HD
Marianie Demo

We also stock:
Assassins Game 1 - 156
Fred Fish 1 - 910
GET INTO PD! WITH E.P.D

ACCESSORIES

3.5 DDDS Disk includes labels 50p each

100 Storage Box	£6.50
1000 Roll of labels	£11.00
1000 Tractor Feed labels	£12.50
Mousemat	£2.99
A1200 Dust Cover	£3.99
3.5 Disk Cleaning Kit	£2.99

P+P £1.00

AMIGA CD 32 SOFTWARE

Arabian Nights	£12.99
Deep Core	£19.99
Donk	£21.99
James Pond 2	£21.99
Lotus Trilogy	£22.00
Microcosm	£35.00
Now Games 1	£16.00
Now Games 2	£16.00
Pinball Fantasy	£24.99
Sensible Soccer	£17.99
ChaosEngine	£19.99
Mean Arena	£21.50
Liberation	£24.50
*Aminet CD Rom Software	£18.99

*(For CDTV/A570, external drive, keyboard required)
Please add 75p for p&p (UK)

HOW TO ORDER

We accept payments by Access/Visa. Please make cheques/postal/orders payable to EXPRESS P.D.

Overseas orders welcome, sent by air mail. Payment in sterling please.

Keys = P-1.3/A500 Plus/A600 OK.
Y=A1200 OK
( ) = No of disks,
NP or NY = will not load/run
100% on A500 Plus/A600 or A1200.
U = Utilities, P=PD Games,
A= Demos, M=Music,
G= Slideshows

DISK PRICES PER DISK

1-15 disks £1.05 each
16-24 disks £1.00 each
25+ disks £0.90 each

Choose 1 free disk with every 6 ordered!
Catalogue Disk on 3 disks - 75p each
POST AND PACKING
U.K FIRST CLASS 60p,
UK RECORDED DELIVERY £1.25,
EUROPE £2.50 . R.O.W. £3
All stamps donated to charity.

ALL OUR DISKS

- Guaranteed error free!
- Complete with own labels!
- Virus Free!
- 24 hours despatch!

ORIGIN AGA
Stunning new demo for AGA machines, nice graphics, vector, tunnels, sound and graphics. Order Code A595 (2)

9 FINGERS
Spaceballs 9 Finger, rave/techno demo, similar to Spaceballs S.O.A but much better, more stunning graphics/Anim and music. Order Code A589 (2)

JIGSAW
Put Jigsaw back together before time runs out. Includes various hazards, bombs etc. 5 level playable. Order Code P514 (2) (P) (NY)

KISS THE CANVAS
PD version of this wicked Streetfighter clone choice of 4 fighters. Great sound effects and graphics. Order Code P506

ALL DISKS ARE NOW JUST £1.10 EACH!

All disks work with the A1200! unless stated

Anglia PD

Printed Booklet with details of Hundreds More Disks Just £1.00

(P) = Works on all Amiga Computers including A1200

101 AMOS PROGRAMS PACK (P) 3 DISKS £3.30
One hundred and one programs and procedures for any version of Amos. An incredible amount of code which can be used in your own programs! Some categories are: Graphics, General. Scrollers, Games, Demos and Utilities.

101 IMAGINE OBJECTS PACK (P) 7 DISKS £7.70
For owners of Imagine - one hundred and one ready - made objects! General headings are: Flying, Video, Space, Star Wars, Star trek, Weapons, Household, Fruit, Furniture, Animals, Dr Who and Computers.

HOME MANAGEMENT PACK 3 DISKS (P) £3.30
Calendar, Mortgage, Spreadsheet, Grammar, Mileage, World Time, Budget, Chequebook, Database, Typing Tutor, Typewriter, Grocery, List Maker, Home Banking.

CLIPART PACKS 1, 2 OR 3 EACH PACK = 5 DISKS £5.50
3 different packs of 5 disks, all full of the very best clipart for DPaint etc. (P)

PC EMULATOR PACK (P) 3 DISKS £3.30
Turns your Amiga into a PC! Includes the latest PC task which now gives true VGA Resolution (if you have a 1200) and includes 2 disks of PC Public Domain software.

ELECTRONICS PACK (P) 4 DISKS £4.40
A collection of excellent programs for any one interested in Electronics. Tronicad - provides you with ready made components so you can quickly create circuit diagrams , Digital Bread Board - build and test Logic Circuits in real time, see exactly what the results will be on screen! Also includes 4 channel Oscilloscope!, Analyzer - Logic Tracer, Galer-Generic Array Logic, Logic Shop - Test Circuits.

ANGLIA CLIPART PACK (P) (NEW) 5 DISKS £5.50
Brand new IFF clipart produced by Anglia! Loads of high quality anti-aliased IFF images including cats, dogs, birds, wild animals, people and characters. Use with DPaint or any program that accepts IFF graphics.

ASTRONOMY PACK (P) 4 DISKS £4.40
This superb pack now includes: Star Chart, Amigazer, Total Concepts, Astronomy, Gravity Well, Grav Sim, Orbit, Planet and Fast Facts on the solar system.

DISK EXPERT PACK (P) 5 DISKS £5.50
If you want to learn more about your Amiga, get this pack! - You'll be a disk expert in no time! Includes Power Packer (Easy file compacter), Sid (Brilliant CLI Replacement Tool!), Iconmania (Change any Icon in seconds), Fixdisk, Viruschecker V5.3, D-Copy (Copies, Repairs, Formats and more), CLI Tutorial (All you need to know) and 202 other utilities!!!

"C" PROGRAMMERS PACK (P) 6 DISKS £6.60
A complete "C" language and superb instruction manual provide all you need to learn the "C" language, includes North C (2 disks) and the C Manual (4 disks).

MED V3.21 MUSIC PACK (P) 4 DISKS £4.40
MED is widely recognised as the best music package, PD or otherwise!! This pack contains V3.21, the latest version complete with loads of digital samples, a disk full of MED music scores and some great MED music to load and play! Listen to what your machine is capable of!

CLASSIC GAMES PACK (P) 5 DISKS £5.50
An incredible collection of superb commercial quality arcade games! Hours of fun for both kids and adults. Includes: Defender, Galaxians, Scramble, Missile Command, Pac-Man, Bi-Planes, Dripl, Space Invaders, Asteroids, Breakout, Tetris + more!

CARD + BOARD GAMES 2 (P) 4 DISKS £4.40
Another outstanding collection! 38 very good "Thinking" Games!: Chess V2, Backgammon, Blackbox, Towers, Pipe, Zerg, Maze, Connect4, Dominoes, Draughts, Othello, Go Moku, Dragon Tiles, Klondike, Canfield, Mastermind, Wordsearch, Hangman, Pontoon and many more.

COMPUGRAPHIC FONTS PACK 1 (P) 3 DISKS £3.30
36 Scaleable Compugraphic fonts on 3 disks. They work with Workbench 2 or 3, Pagestream V2+ (on any Amiga), Propage 3+ and Pagesetter V3+. Excellent fonts and great value for money!

HARD DISK PACK 2 (P) 3 DISKS £3.30
Great collection of the latest hard disk utilities includes HDclick (menu maker), filemender (directory etc), a backup (superb!), superlock (password protect every drive, mouse and keyboard!!), disk optimizer, copier, virus killer and more!

A1200 PACK (A1200 ONLY) 3 DISKS £3.30
All of the essential software for your A1200! Includes: Fake Fast MEM, A1200 Run, Degrader, Sysinfo, Viewtek, Plasma, Winblend, Kill AGA, Tetris AGA and more! Also includes the stunning Lyapunova AGA create wonderful patterns and pictures with full AGA support!

PLATFORM PACK (P) 4 DISKS £4.40
All of the best games in the style of Sonic and Mario Bros. If you like those games then you'll love these ! Includes: Wizzys Quest, Wonderland, Wibblysgiddy, Doody, Crazy Sue II, Roach Motel, Son of Blagger and More !!

PRINTER USER PACK 3 (P) (NEW) 4 DISKS £4.40
Loads of brand new printer programs for 1994! With this pack you can: Print Addresses, print columns (Newspaper style), print banners and disklabels, use every feature of your printer, print booklets and more! Also includes a Stereogram program that prints out 3D images as seen on Tomorrows World!!!

HOME BUSINESS PACK (P) 4 DISKS £4.40
Designed especially for newcomers to business software, this pack contains a database (BBase), spreadsheet, accounts package and Wordprocessor (QED). Also included are a 12,500 word spelling checker and a word statistics program!

HOME BUSINESS MANUAL (P) £2.99
Approx 50 page professionally printed manual containing full instructions for the Home Business Pack . Includes a specially written guided tour section that takes you through the major features of each program and ensures that you can use each program with confidence!

ARCADE PACK (P) 4 DISKS £4.40
Our latest collection - The very best Arcade style games in the whole of PD. You'll play these over and over again! Includes: Cybernetix, Helizone, Galaga, Nebula, Tanx, Defenda, Oblivion, Intruder Alert, Blizzard.

SINGLE DISKS AT ONLY £1.10!

BUSINESS
B321 (P) Amigafox (English Desk Top Publishing)
B322 (P) 600 Business Letters (Superb! - Ready to use)
B327 (P) Text Engine V4.1 (now the very best wordprocessor with built-in 36,000 word spell checker!)
B335 (P) Forms Unlimited (Design invoices etc, quickly)
B339 (P) A-Graph V2.0 (new version - easy graphs!)
B348 (P) Easy Calc (The best Spreadsheet yet !)
B349 (P) Amiga Diary (Easy To Use Diary)
B350 (P) Word Utils (Crossword Solver, Anagrams and more)
B351 (P) On Form (New Invoice Maker)
B352 (P) Last Will and Testament (Print Your Own)

UTILITIES
U437 (P) D-Copy V3.1 (Latest disk copier!)
U478 (P) Typing Tutor (New! Great features)
U495 (P) Virus Checker 6.33 (latest virus killer)
U496 (P) Messysid V2 (Reads and writes PC disks)
U4088 (P) Printer Drivers (Over 100 - Most Star + Citizen models including colour and HP500C!)
U4036 (WB 2/3 only) Kick 1.3 (lets you use WB1.3 software.
U4038 (P) DPaint tutor (easy route to Pro Graphics)
U4054 (P) Disk Manager III (the finest disk catalogue prog)
U4057 (P) Engineers Kit (A health check for your Amigal)
U4065 (P) Pools Wizard (Bang up to date forecaster)
U4068 (P) Spectrum Emulator V1.7 (Works Immediately!)
U4075 (P) Freepaint (Superb Paint Program)
U4078(P) Spectrum Games (More games for the emulator - great!)
U4084(P) CGFONTS (9 New Compugraphics fonts)
U4085(P) Clipart (65 pics of Aircraft 90 of space)
U4086(P) Clipart (45 Fancy borders - V.Good!)
U4087(P) Clipart (149 General Symbols)
U4088(P) Clipart (47 Religious Pictures)
U4090 (P) Dynamic Skies (Massive Astronomy Toolbox)
U4091 (P) Knit (Print knitting patterns from DPaint pics)

GAMES
G6036 (P) Total War (Perfect version of The Risk board game)
G6042 (P) Super Pacman 92 (the best ever)
G6051 (P) Bridge (Card game - A1200 version included)
G6053 (WB 2/3 only) GNU Chess (Best chess game)
G6056 (P) Cash Fruit (probably the best fruit machine ever!)
G6064 (P) Solitaire Sampler (5 Full Versions of the Card Game !)
G6066 (P) (2 Disks) 18th hole (The best golf game available !)
G6073 (P) Megaball 2.1 (Latest Breakout - V.Good!)
G6074 (WB3 only) (2 disks) Motorola Invaders (AGA Space Invaders)
G6077 (P) Road to Hell (Excellent racing game)
G6078 (P) High Octane (Good car racer game)
G6079 (A1200 only) AGA Megaball (AGA Arkenoid)
G6080 (P) Shanghai 93 (Latest Dragon tiles)
G6081 (P) Mona 5.4 (excellent RPG - Huge!)
G6082 (P) Galactoid (Great Galaxians Clone)

CHILDRENS
C712 (P) Colour Pad (New colouring book for youngsters)
C790 (P) Colour the Alphabet (education for 4ys+)
C726 (P) GCSE Maths (Great revision disk)
C727 (P) Top Secret (platform game)
C799 (P) Counting Fun (4+, sums practice)
C730 (P) Wizzys Quest (Wizard, Damsel + Monsters, great game!)
C737 (P) (2 Disks) Mr Men Olympics (very good game)



DESKTOP VIDEO PACK 2 (P) (100%) 4 DISKS £4.20
Probably our best pack yet! Provides everything to start you off in video. S Movie for Smooth scrolling titles using any font of any size. Showiz for slideshows with loads of wipes and fades: A-Graph for business videos: Shadow Maker to add shadows and smooth any font: Video Librarian: Video Tools: Video Tests: Loads of fonts and more!!

DESKTOP VIDEO PACK 2 INSTRUCTION MANUAL!!! (P) £2.99
A 50 page instruction manual for DTV pack 2. Professionally printed, contains instructions for all the programs in the pack and a section on fonts and how to use them! Also includes a superb guided tutorial that takes you through the major programs step by step, letting you create your own titles as you go! Designed for beginners and experienced users, this manual will make desktop video easy!

FRED FISH CATALOGUE DISK 350 TO 950 JUST 70P

FULL CLR RANGE IN STOCK! SEE PRINTED BOOKLET FOR DETAILS

HIGH QUALITY HARDWARE

8mm High Quality Mouse Pad	£2.99
Amiga 500/500+/600/1200 Dust Covers	£3.99
Phillips 8833 Monitor Dust Cover	£4.99
3.5" Disk Drive Cleaning Kit	£2.99
Blank Disks (high quality with labels)	£0.50

ANGLIA PUBLIC DOMAIN LIBRARY
(Dept AMF), 30 Victoria Street, Felixstowe IP11 7EW

Access VISA Switch

International orders welcome but please add 30p per disk for post & packing.

CREDIT CARD ORDERS

PHONE 0394 283 494

PHONE WITH CREDIT CARD OR SEND CHEQUE/PO (PAYABLE TO A.P.D). PLEASE ADD 70P (PER TOTAL ORDER) FOR P&P.

PD Update

In his search to track down the best of the new Public Domain games and unearth the most compendious utilities, Richard Baguley leaves no stone unturned. Even though we told him he would be much better off looking in dedicated PD libraries. Take it away Dickie...

SOMETIMES THE OLD ideas are the best, and you don't get much older or better than this one. **Galaga Deluxe** (Ground Zero G304) is loosely based on an old BBC game, but it basically boils down to shooting a lot of aliens for no good reason (as far as I could fathom) in a fashion distinctly reminiscent of *Space Invaders*.

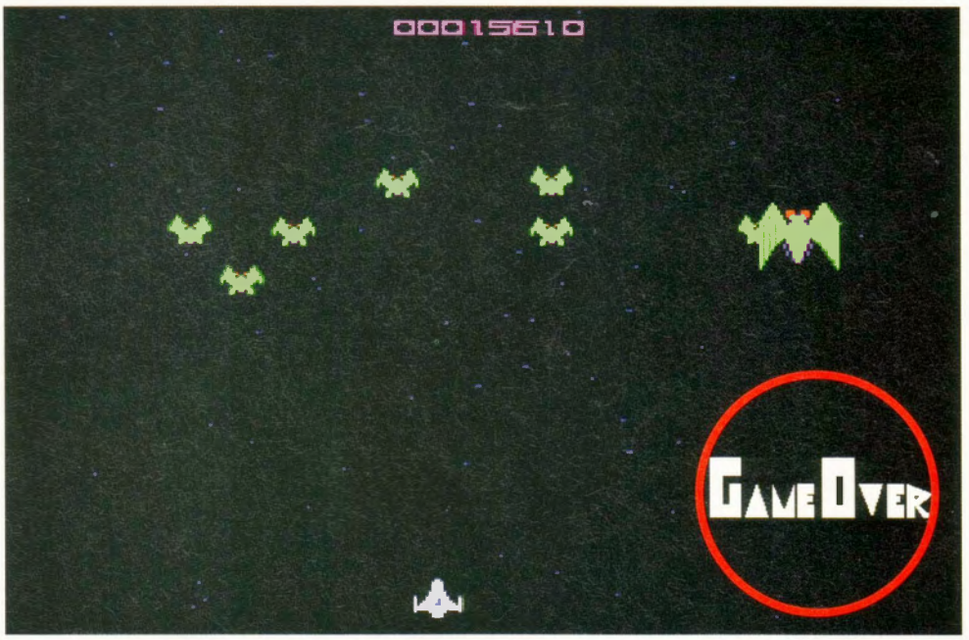
As with any good game of this genre, there are a variety of power-ups which fall down the screen, although some of them do more harm than good. As you proceed you will come across different types of aliens, including some that take several shots to kill and some particularly mean big ones. There's also a meteor storm section, where you have to guide your ship through the storm, picking up meteors with scores on for extra points.

This is a well put together game, with smooth graphics and excellent sound effects. *Galaga Deluxe* can be played on any Amiga, because you can choose a chipset and CPU option to match your machine. *Amiga Format* subscribers are lucky enough to have this game on their Subscribers' Superdisk this month.

Scribble Utilities Volume 11 (Scribble PD) is a somewhat eclectic, but thoroughly useful disk of utilities in this on-going series. The disk contains no fewer than 17 different utilities ranging from icon-makers to Workbench 3 utilities via fractal cloud generators.

Many of the utilities are accompanied by source code, so you can dissect the programmers' work at your leisure. The more useful utilities on this disk include *Snoopy* (a piece of software which tells you which programs are trying to access which libraries), *RexxOpt* (which optimises your ARexx scripts) and *EditKeys* (a program which enables you to create your own keymaps).

Moving on to keys of a different sort, those of you who received last month's Coverdisk program *Music-X* will no doubt be enjoying writing music and creating your own concept albums. Although it's a fine program, *Music-X* can take a bit of getting used to and therefore is not the easiest program to use if all that you want to do is create a simple drum track. This is where Malcom Lavery's **Sonic Drum Kit** comes into its own.



My what a big *Galaga Deluxe* alien he is. Or perhaps it's a she. How do you tell? I dunno. Let's shoot it anyway.

Sonic Drum Kit is designed especially for creating simple drum tracks. It's very easy to use, with the drums on the top strip of the screen and the drum pattern in the middle. You add drum beats by clicking on the grid, and delete them by using the right mouse button.

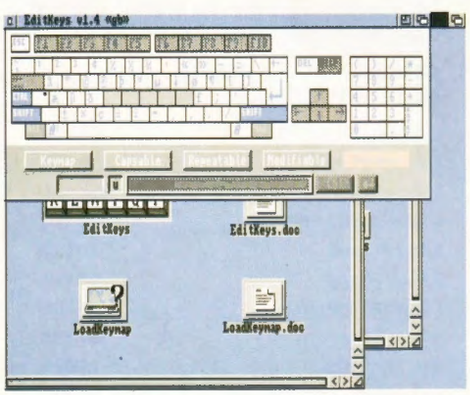
The length of the patterns is limited only by the amount of memory you have, so you should have no problem creating long drum sequences with a couple of megabytes of memory.

This is only a demo version, so unfortunately you can't save your creations, but the full version of *Sonic Drum Kit* (which costs £5 from the author) allows you to both save patterns and create your own drum sets. The full version also includes the full AMOS source code. The demo includes a range of sounds, from drum sounds to handclaps.

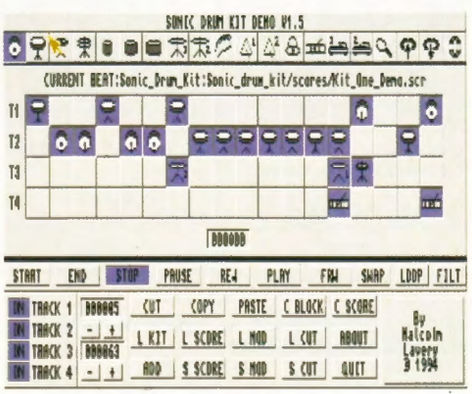
Screen blankers are nothing new on the Amiga, but what makes **BlitzBlanker** (Ground Zero U318) different to most is that it was programmed using the *Blitz Basic* language, a version of which was included on the *AF*52 Coverdisk.

BlitzBlanker includes a wide range of blanking modules, most of which are similar to those featured on the *Superdark* screen blanker program. *BlitzBlanker* needs Workbench 2 or above, but it runs as a commodity, so you can throw it into your WBStartup drawer and forget about it.

Continued overleaf ☛



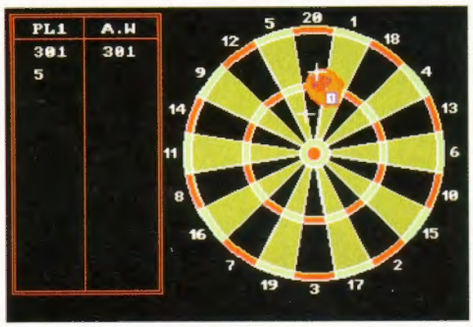
Ever fancied confusing your friends and neighbours by moving keys around? Do so with *EditKeys*.



Sonic Drum Kit – not a small blue hedgehog, but an easy way of creating drum patterns for your latest album.



How about a nice fish tank on your screen? *BlitzBlanker* could give you endless hours of fun...



It may not be the most graphically stimulating game on earth, but the Assassins *World Darts* is quite fun.

The source code for both the programs and the modules are included, so you can learn how to write a commodity in *Blitz Basic* as well as find out how to program your own modules.

The Assassins PD group have struck again with the release of **Assassins 156**, the latest disk in their large collection (Roberta Smith ASS156), which contains three games: *World Darts*, *Quackers* and *Karate Champ*. The first, *World Darts* is a pretty good darts game, in which you use the joystick to guide a shaky hand around the board, pressing the Fire button to throw your arrows.

Quackers is a rather poor platformer which features a duck trying to pick up various pieces of fruit. It's quite cute, but not particularly engaging, and it ran very jerkily on my A3000.

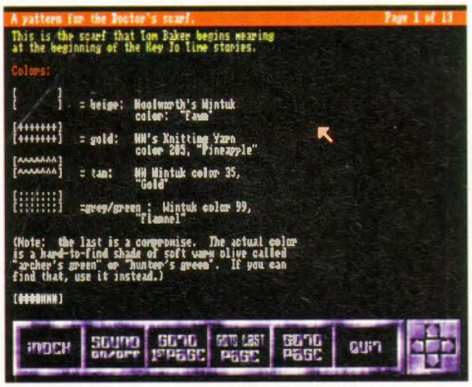
The final offering is *Karate Champ*, an AMOS beat-em-up which leaves a certain something to be desired. It's not that it's a bad game, but it's never going to make a console freak set fire to his *Streetfighter* cartridge.

Long before *Streetfighter* was ever thought of, *Tetris* was keeping games players up into the wee, small hours. **Megablock 2** (17 Bit 2992) is basically a *Tetris* clone, and it's not a bad one, although the music is maddeningly irritating. There's a good range of difficulty levels and a couple of added extras such as bombs which blow up some of the blocks. There's nothing hugely original about this game, but it is a very faithful conversion and is extremely playable.

MAG.E (17 Bit 2987) is a new disk magazine; specifically aimed at fantasy and sci-fi fans, with a series of articles on subjects which include TV programmes such as *Doctor Who* and *Red Dwarf*. There is also a variety of stories, including a rather amusing 'what if?' about a crossover between *Red Dwarf* and *Star Trek: The Next Generation*.

The magazine is mostly text-based, although there are a couple of illustrations and a knitting pattern for the multi-coloured scarf that Tom Baker made famous in *Doctor Who*.

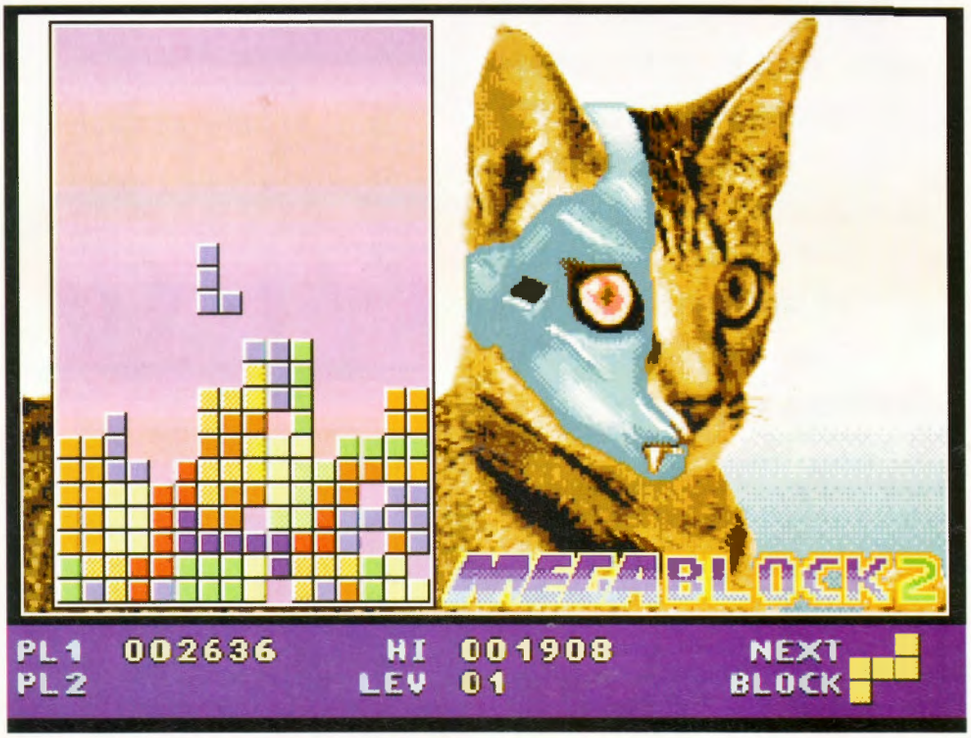
Finding your way around the various articles is pretty easy, because the magazine uses a standard type of interface, with several buttons on the bottom of the screen which control moving around and turning the soundtrack on or off. This is a reasonably good magazine, which will no doubt appeal to the many Amiga-using sci-fi fans who are out there somewhere.



Fancy making your own *Doctor Who* scarf? It's easy if you follow this knitting pattern featured in *MAG.E*.



Snowly does it. If I is for Igloo, G is for Goldfish and Z is for Zebra, is A for Amiga?



That cat looks very uncomfortable. But so would you if you were squashed up with all those blocks. *Megablock 2* includes a variety of strange backgrounds for you to look at just in case you get bored when you're playing.

Tiny Tots (F1 Licenceware F1014) is another educational program from the fast growing F1 disk collection, You could argue that it is not strictly PD, and you would be right, but I've included it because it only costs £2.99. In fact, *Tiny Tots* is a simple educational package written by Gina Mears which is designed to help younger children learn about numbers and letters.

It is divided into three sections: sounds, letters and numbers. The sounds section is composed of a screen with a number of icons, each of which kicks off a relevant sample when you click on it. For example, if you click on the train icon, a train whistle sounds. The numbers screen works on the same principle – clicking on one of the numbers brings up the number of small pictures of birds, snails and blocks.

The letters section of is the best. Clicking on a letter brings up a drawing of something which begins with the relevant letter, so you get ladder for l, dog for d and bus for b. It's like a colouring book, but with the bonus of pressing buttons and moving the mouse, which kids love doing.

WHERE TO GET THE DISKS IN THIS ISSUE

SCRIBBLE PD: 2 Hillside Cottages Burstall, Suffolk IP8 3DY. 0473 652588.

MALCOM LAVERY: 20 Shakespeare Ave, Orgill, Egremont, Cumbria CA22 2HF.

ROBERTA SMITH PD: 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE.

17 BIT SOFTWARE: 1st floor Offices, 2/8 Market St, Wakefield, West Yorkshire WF1 1DH. 0924 366982.

GROUND ZERO SOFTWARE: 4 Chandos Rd, Redland, Bristol BS6 6PE. 0272 741462.

F1 LICENCEWARE: 31 Wellington Rd, Exeter, Devon EX2 9DU.

TOP 10 GAMES AND UTILITIES

Every month, we peruse the best-seller lists of a prominent PD company. This month, it's:

CHOICE SOFTWARE (061-881 8994)

1 Communicate	ED 060
2 Wonderland	GA 456
3 Klondike AGA	GA 496
4 Printmaster Plus	GR 144
5 Bad Format	UT630
6 AGA Tetris	GA461
7 Spatial Hyperdrive	GA503
8 Tele-Titler	GR 127
9 GCSE Maths	ED046
10 ASI Disk Helper 2	UT638

CUT, TICK & POST...CUT, TICK & POST...CUT, TICK & POST

MasterCard TELEPHONE HOTLINE'S (0702) 466933 FAX (0702) 617123 VISA

PD SOFT (AR) 1 BRYANT AVENUE, SOUTHEND-ON-SEA, ESSEX, SS1 2YD

CDROM..CDROM..CDROM..CDROM

Fred Fish CDs

Fred Fish has been working to supply the Amiga community with high quality redistributable software since the Amiga's introduction in late 1985. The Fred Fish CDROM series is produced directly by Fred Fish, to provide you with hundreds of Mega bytes of the very latest Amiga software.

* The current **FRESH FISH** CD ROM contains 636Mb of software, each 6-8 weeks there will be the latest Archived (BBS ready) contents of floppy disks, Full GNU source codes, New submissions, GNU binaries, Libraries and AmigaGuide info files, New Material, New floopy disks, Commodore includes, libs, and developer tools etc.

THE FISHING REPORT

❑ **CD4000** [£19.99+P&P] I would like the latest **FRESH FISH** CD ROM. Subcribe to this CDROM if you want all the Fish releases.
❑ **CD5000** [£19.99+P&P] I would like the latest **FROZEN FISH** CD ROM series contains just the software submissions from Fred Fish. This is a Quarterly CDROM.
❑ **CD10** [£29.99+P&P] I would like the **GOLD FISH** CD which contains Fred Fish disks 1-1000. This is also BBS ready CDROM. Due out in any time now. Please pre-order now.
❑ **CD6000** [£19.99+P&P] The AMINET CDROM is a Quarterly CDROM.

Aminet Volume 2

❑ **CD16 ..... Aminet Vol II** CD ROM
Price: £19.99 + (£1 P&P) * Another four thousand files. Hundreds of applications such as GNU utilities, editors, hypertext, plotter utilities and modem programs, Demos, Games, sound files. ISO 9600 cd drives, Aminet Vol 1 (CD4) is still in stock £19.99
❑ **CD5 ..... GIFs Galore** CD ROM
Price: £24.99 + (£1 Postage & Packing)
❑ **CD8 ..... MultiMedia Tool Kit** CD ROM
Price: £19.99 + (£1 Postage & Packing)
❑ **CD11 ..... Source Code** CD ROM
Price: £24.99 + (£1 Postage & Packing)
* This code gives you an enormous source code collection (approx. 600Mb) of source
❑ **CD12 ..... Project Gutenberg** CD ROM
Price: £24.99 + (£1 Postage & Packing)
* Contains English language literature such as Oedipus Trilogy to The Wizard of Oz.
❑ **CD13 ..... Fractal Frenzy** CD ROM
Price: £24.99 + (£1 Postage & Packing)
* Contains the definitive collection of Lee Skinners Fractal art work. Beautiful images
❑ **CD14 ..... Internet Info** CD ROM
Price: £24.99 + (£1 P&P) * Contains a wealth of information that is available on Internet
❑ **CD15 .... Clip Art Cornucopia** CD ROM
Price: £24.99 + (£1 P&P) * This CDROMdoes contains 40RMb of Black and white images in PCX format from flowers to computers

Fred Fish and Aminet Subscriptions

(i) **CREDIT CARD** ❑ I would like to subscribe by Credit card (my card number, Name and address have been filled in below) to the following CDROMsof
❑ **CD4000 Fresh Fish** ❑ **CD5000 Frozen Fish** ❑ **CD6000 Aminet.**

Special Products!

❑ **T1000 ... The A64 Emulator** VERSION 3
Price: £54.99 + (£1 P&P) * Just Released! The best selling Commodore 64 emulator just got even better! All new sound and graphics!! All new software It's now compatible with all Amiga's versions of AmigaDos and is completely multitasking! Fully supports Amiga hard and floppy drives and modems. The interface allows you to connect your C64 disk drives and printers to your Amiga. Actually funs faster that the original 64. New File transfer software! Dont throw out your old software.. use it again.
❑ **T1001 .. PC TASK** FULL VERSION
Price: £44.99 * IBM Emulator for the Amiga

EDUCATIONAL DISKS

❑ **^ + V792 KIDS GAMES** Geography Math, Science and Word Games
❑ **^ + V793 AMIGA BEGINNER** You asked for it! Tutorial for the beginner on your Amiga!
❑ **^ + V849 LANGUAGE TUTOR v1.0** Spanish, French, German & Italian.
❑ **^ + V908 DPAINT TUTOR** Do you have DPaint, The learn how to use it with this disk
❑ **^ + V927 CLITUTOR** Helpfull program to understand how to use CLI & Shell
❑ **^ + V933 GCSE MATHS** Program to help with the GESE maths course
❑ **^ + V1015 JAPANESE** Help teach Japanese. Word-a-day & Vocabulary
❑ **^ + V1157 DINOWARP TRIVIA** You land suddenly & apear in front of a Dinosaur who agres to let you go if you answer 50 questions
❑ **^ + V1158 BACK TO SCHOOL** Will demostrate to the youngest kid how to learn on the computer with this disk. (2)
❑ **^ + V1165 6th FORM EDUCATION** Contains Biorhythms, Calc, Elements, Huge, Resumemaker, Typist, Wavemaker & more
❑ **^ + V1168 VISIT TO A RED PLANET** Good action, colour pictures & voiceovers make this disk into a daring production
❑ **^ + V1170 COLOUR IT** An excellent colouring book for kids and big kids
❑ **^ + V1172 DUNGS DTP** Childrens work is even done with just the keyboard its a typing program with graphics abilities
❑ **^ + V180 BACK TO SCHOOL 3** Contains Treasure Search, ReflexTest, Type or Die, more educations programs of kids
❑ **^ + V1181 COLOUR THE ALPHABET** Is for early learners which may help with letter & colour recognition and a bit of counting too.
❑ **^ + V217 JUMBLE WORDS** Cut down version which features Counting function so does your child needs help with numbers.

VARIOUS UTILITY DISKS

❑ **^ + V16 AQUARIUM** Turns your screen into an eyecatching Fish tank.
❑ **^ + V277 FORTRAN-77 v1.3c** Compiler, linker & run time support libs.
❑ **^ + V298 NORTHC v1.3** Complete C language with all files needed (2)
❑ **^ + V301 EYE OF THE BEHOLDER** Disk Book with Maps, Strategy & Solution
❑ **^ + V332 AMIGA PAINT** Will try and Predict which horse will win the race
❑ **! + V350 BUSINESS CARD MAKER** Design your own Business cards
❑ **^ + V366 600 BUSINESS LETTERS** Over 600 Standard Business letters
❑ **^ + V390 DESK TOP PUBLISHING** Extra features, Text & Graphics Editors
❑ **^ + V401 WINDOWBENCH (2)** Give your Workbench v1.3 a stunning new look and update your aging software.
❑ **^ + V424 ANTI-FLICKER** Said to stop the flicker in High Res mode
❑ **^ + V489 AMIGADOS II v1.3** This is most popular PD Database program.
❑ **^ + V490 MESSY SID v2.0** Reads MS-Dos disks, Transfer any text files to & from an IBM PC, ie PC to Amiga
❑ **^ + V523 DICE C COMPILER** Matthew Dillons full featured powerful C compiler & environment system. Complete C language (2)
❑ **^ + V536 CATALOGUES** A collection of utilities used to Catalog all your disks/ Video tapes and audio tape collections (2)
❑ **^ + V573 FILE & HD** HDClick v2.0, File Minder, DosControl, & tools. (2)
❑ **^ + V575 HOME BUSINESS** Based on word processing, Data Management, Spreadsheets, Accounts & Printing. (6)
❑ **^ + V583 ICON EDITOR III v2.0** Create Icons upto 640x200 Edit or Create
❑ **^ + V610 GOLF SCORES v1.84** It will record each round you play & Store it
❑ **^ +> V611 FOOTBALL LEAGUE v1.1** Want to update your teams league position.
❑ **! ~ V635 IBeM EMULATOR v1.5** Is a CGA Colour IBM PC Emulator for Amiga
❑ **^ +> V660 HOME MANAGER** Is an addressbook,inventory database, 2-da list
❑ **^ + V662 DCOPY v3.1 PRO** You can select the speed of the disk drive, Copy modes, Dos, Nibcopy, Ver & safecopy
❑ **^ + V678 DRAWMAP** If You can generate world maps in detail views. 3d or 2d ❑ 2Mb (2) or ❑ 1Mb V263
❑ **^ + V681 GAME TAMER v4.59** Get a hold of that extra hard game with a cheat
❑ **^ + V685 ASTRO ASTROLOGY v3.5c** Best Astrology program on the Amiga
❑ **^ + V690 Virus UTILITIES** Contains the programs that should have been with WB 2.x Take full advantage of the many NEW capabilities that are available (2)
❑ **^ + V710 AREXX TUTORIAL** Includes several samples of Arexx scripts and programs
❑ **^ + V711 UNIX** Working demo of Minix a Unix based System. Requires a hard drive
❑ **^ + V719 FREECOPY v1.8** Removes protected games copy protection so that the user can install them on HD.
❑ **^ + F691 PROFESSIONAL C MANUAL v3.0** Is the largest collection of utilities, documents & examples for C. It consists of six manuals, with over 40 chapters (5)
❑ **^ + V759 TEXT ENGINE v4.1** Updated version of the Word processor with **AZSPELL**
❑ **^ + V761 A-GENE v4.18** The most popular genealogy database program.
❑ **^ + V782 GURMS** Create, Edit, Draw, Colour & print your own Sprites
❑ **^ + V783 PROGRAMMING TOOLBOX** Many programs to help in your development efforts (most C but some in basic).
❑ **^ + V784 AREXX** Contains a selection of Arexx programs & finished examples (2)
❑ **^ + V786 ASSEMBLER** Missing needed to program in Pascal. A68k 68000 assembler
❑ **^ + V787 PROGRAMMER TOOLS** GadTools to design your user interface to your own programs using all of DOS 2.0+
❑ **^ + V790 ANIMATION UTILS** Includes CyrusUtils for splitting, combining, and creating animations from IFF picture files.
❑ **^ + V791 DIRECTORY ULTS** Highly recommended programs which are designed to make CLI tasks virtually obsolete
❑ **^ + V794 GRINDER** Complete graphic conversion package that supports IFF, JPeg, Atari St, PCX, Targa, Sun, Ham-E and FF Formats
❑ **^ + V799 ADVENCED UTILs** SerNet & ParNet, Connect 2 Amigas & share resources via serial or Parallel ports. MyMenu
❑ **^ + V811 ELECTROCAD v1.42 & PRO TOYPER** Electronics drawing Programs.
❑ **! ~ V812 ASOTA EMULATOR** As if sounds well let v1.3 / v1.2 owners run WB v2.x+ software WITH-OUT any need to purchase the Workbench v2.x chips
❑ **^ + V820 BBBBS v6.5** Baud Bandit bulletin Board System Ftures include up to 99 file libraries, interface to extra devices
❑ **^ + V821 SpecDOS v1.5** Mantors Dos calls to see what library, devices, fonts are required if a program won't load
❑ **^ + V827 REPAIR-IT 2: NewZap v3.3,** Sector file editor. **FIXDISK v1.2,** Recover as much as possible from a defective disk
❑ **^ + V843 MAGIC MODULES** Contains modula-2 language on the Amiga
❑ **^ + V842 SID v2.01** Sid can be used for various operations, like file copieng, renaming, deleting, Moving, Formatting ect
❑ **^ + V858 MUSIC MAKERS** Programs to produce your own music productions
❑ **^ + V865 IMAGE PROCESSING** Tools to perform wide variety of Image techniques
❑ **^ + V866 MANDEL EXPLORER** collection of Fractal Generating software utilities (2)
❑ **^ + V875 SPACE** The space disk helps you study, identify the Stars & celestial objects
❑ **^ + V918 DPROGRAM** Is one of the best Computer Aided Design program with excellent power functions for all users.
❑ **^ + V899 BACK-IT UP** Newly updated disk which contains ABackup v4.03 A Powerful backup utility that may be used for Hard Drive backup and File Archiving v Also contains Speedy Backup & QuickUp1.4x
❑ **^ + V901 FIM v2.2** stands for Fast Intro Maker which will allow you to create Intros
❑ **^ + V924 PLOT MAP** An extra disk for use with Draw Map v4 0+ Will allow use with 512K
❑ **^ + V928 THE LITTLE OFFICE** One of the best disks. Has a Word Processor and others programs to aid a small business company
❑ **^ + V936 LETTERS & BOILERPLATE** contains various letters for you to use as your own or cut and pause into a Word Processor
❑ **^ + V942 SCREEN BLANKERS** A disk packed with screen blankers. Includes the Twilight Zone blanker along with 10 others
❑ **^ + V943 BLITBLOWER v1.5** Mindboggingly colourful program that makes pictures from a mathematical formula. AGA support
❑ **^ * V946 SYSTEMOPTIMIZER** KCommodity gives you memory meters. REorg will optimize hard, floppy disks for speed increase. HDMem virtual memory. 2 Meg of HD space for 2Mb
❑ **^ + V948 STUTTGBOWN v1.5** Mindboggingly colourful program that makes pictures from a mathematical formula. AGA support
❑ **^ * V946 SYSTEMOPTIMIZER** KCommodity gives you memory meters. REorg will optimize hard, floppy disks for speed increase. HDMem virtual memory. 2 Meg of HD space for 2Mb
❑ **^ + V948 STUTTGBOWN v1.5** Mindboggingly colourful program that makes pictures from a mathematical formula. AGA support
❑ **^ + V949 TESTS** Contains all of the classic speed tests and system checks we could find. Includes CPU Speed and system diagnostic tool
❑ **^ + V950 PROTECTION** is a collection of utilities aimed to protect your data and audiobooching of HDs & Document Files. Lock your data files
❑ **^ + V952 x-BENCH v1.0** is the complete solution to the replacement Workbench. Contains loads of usefull utils Last-Hope, View, Virus Checker, Power packer & DCopy2 (2)
❑ **^ + V958 CLUB LEAGUE** Is a utility that will allow you to edit and keep track of your divisons/leagues stats within a club league
❑ **^ + V962 SUPER KILLERS v5.** The latest Virus Killers like BootX v5.23b, Virus Checker v6.34 and the new release of VirusZ II v1.0 should be able to kill those's nasty trojans and virus's (2)
❑ **^ + V968 DISKLIB v1.6** Is Heres another disk of WorkBench enhancement utilities
❑ **^ + V977 HD UTLs** More Excellent utilities for hard drive and file editors at heart (2)
❑ **^ + V979 NCOMM v3.2k** is a communications program based on Comm v1.34 with lots of very nice enhancements
❑ **^ * V980 KICK v1.4** Will down grade your A500+, A600 or AGA machines to run all that old software that would NOT normaly work. Turns them into a kickstart 1.3 machine.
❑ **^ + V983 MEGA CHEATS v3.0c** Now contains over 1900 cheats.
❑ **^ + V984 PROTRACKER v3.0a** The latest updated version from Norway. Various bugs fixed and well over 70 brand new features.
❑ **^ + V988 ZIPBENCH v4.0** Another Workbench replacement but contains excellent utilities like, powerpacker v2 2a, powerpiper, Xpkvir, VirusX, Archiver, b-Base, BootInfo, Degrader, Fist Aid Box (2)
❑ **^ + V994 THE MONEY PROGRAM v1.5** Features include upto a maxium of 60 accounts, upto 50 direct paymenys,
❑ **^ + V1000 GRAPHPRO v1.0** Written with Amos pro by David Jordan. Basically takes a set of data, and draws on a graph
❑ **^ + V1001 VMORPH v2.21** Will allow you to create smooth morphs/warps between two different images over a period of frames
❑ **^ + V1002 RAMOS PRO v1.12** If you have Amos Pro then this disk will make your programs even better. The program
❑ **^ * V1003 NICKPREPS** is an enhancement to WB 2/3 which adds 3 new preferences WBPicture, BuzyPointer & Floppy
❑ **^ + V1005 (AGA) UTLs** Contains the first batch of AGA utilities for WB 3.0 users
❑ **^ + V1009 TURBO TEXT v1.1** Excellent Word Processor. Also has a spellchecker version
❑ **^ + V1013 POOLS PREDICTION** Need a helping hand to win the Pools
❑ **^ + V1016 OCTAMED v2.1** Music editor which was designed for making music.
❑ **^ + V1017 POST v1.86** An excellent Postscript driver for the Amiga which implements the full Adobe language (3)
❑ **^ + V1021 (AGA) SCREENS** Enhance your Workbench disks with backgrounds like these's. All pictures in full AGA colour.
❑ **^ + V1022 LITTLE TRAVELLER v1.1** Shows a world map, You can select any country for travel information, Zoom in and out for more detail
❑ **^ + V1024 (AGA) MANDELSQUARE v1.6** Generates enhanced AGA set images. You can create 256 coloured pictures
❑ **^ * V1025 TERM v3.4** Comm prgroam, Xpr transfer, filetype ident after download, Arexx support, Quick Zmodem, Bidirectional download, VT102/VT220, Ansi emulation, powerfull phone book & AGA support (3)
❑ **^ + V1037 (AGA) A1200 WB HACKS** An excellent collection of Utilities & Hacks
❑ **^ + V1038 AMOS PRO UPDATER v1.11** Is Update to the Amos Professional
❑ **^ + V1039 HARD DISK INSTALL** If you need to install your A1200 HD then you need this set of disks which can do a low-level format and then install Workbench 3.0 (2)
❑ **^ + V1040 bBASEIII v1.4** An easy to use, versatile, yet full featured database. Greatly enhanced and successor to bBASE II
❑ **^ + V1041 DIGITAIL BREADBOARD** Full featured digitail circuit simulator
❑ **^ + V1043 SUPER DARK v2.04** A screen blanker like After Dark from the MAC
❑ **^ + V1044 FANCY PRINTING** Banner, Graph Paper v1.2 and Desk Print v3 59
❑ **^ + V1045 (AGA) UTLs v1.0** A mechanism for the rabid drawing of schematic diagrams
❑ **^ + V1051 EASY CALC PLUS** A spread sheet designed to be both easy to use and fast. Built in excellent help system.
❑ **^ + V1054 ADVANCED UTLS 2** Compress Disk doubles, Diskcopy2Cure 2.0 on the fly with compressions DiskOptimizer, SCSI Mount
❑ **^ + V1055 PARSBENCH** All the software you need to hookup 2 Amiga's or CDTV's.
❑ **^ + V1056 DEVELOPER** Contains the official Commodore developers Kit for theAmiga, Amiga Guide & install utilities.
❑ **^ + V1057 IMAGINE OBJECTS** Several 3d modelling/ray tracing programs
❑ **^ + V1059 GRAPHICS** Create stunning graphical images. MPath creates swirling galaxy images. Roses, Rayshade
❑ **^ + V1060 CIRCUIT BOARD DESIGN** Includes eCAD v1.26 and several terrific routines for the electronic enthusiast
❑ **^ + V1063 RIPPERS, STRIPPERS & BEATS** For the music enthusiast, designed to strip music from your favorite games
❑ **^ + V1067 3D OBJECTS 3** About 20 objects in Sculpt / Turbosilver format
❑ **^ + V1069 PRINTER DRIVERS 5** Desk-jet 550c, 500, 500c, Ricoh HP1200, Canon BJ300, 130, LPB, 10e, PJ1080a HP Paintjet
❑ **^ + V1070 (AGA) UTLs 2** 256 colour icon editor, Plamso256, QuickGrab v1.1
❑ **^ + V1071 (AGA) MSM v1.8** Martins system monitor for programmers
❑ **^ + V1072 (AGA) WINBLENDER v39.28** Create excellent/stunning AGA fractals. Also contains 68030/040/FPU versions.
❑ **^ + V1073 FT-X ACCOUNTS v2.01** Was written as there are not ready any other good account packages.
❑ **^ + V1074 (AGA) UTLs 3** Collection of AGA Based utilities. Includes Kill AGA Which allows you to run old badly written programs on AGA chip demos & some games.
❑ **^ + V1077 GENEALOGIST v3.04** Is a specialized database for keeping track of genealogical information. Full featured & a wide selection of features to use.
❑ **^ + V1078 PC TASK v2.03** Software IBM-PC emulator. It allows you to run the majority of PC software with no additional hardware Now supports VGA, EGA, CGA and MDA
❑ **^ + V1079 KEYBOARD TRAINER v1.1** Best Public Domain Typing Tutor. Excellent
❑ **^ + V1081 REPAIR-IT 3** Contains a selection of Disk, Hard Drive repairing and file saving utilities for the Amiga.
❑ **^ + V1083 CROSS v5.1** is a program that creates crossword puzzles for you
❑ **^ + V1084 SPECTRUM EMULATOR v1.7** This is the best & latest version of the most popular emulator for the Amiga. There is an 020/030 versions now on the disk which enhance utilities now on the disk
❑ **^ + V1087 STOCK ANALYST** Technical anolysis and securities tracking program which calculate when to buy & sell shares
❑ **^ + V1088 WB 2.0+ UTLs** Contains ChkFrag, DFC5, FastDos, Formatter, No-Click, UnDelete, Virus Checker, VMR, Workbench, OpenL, ResumeMaker & StarBlank.
❑ **^ + V1090 ANDYS (AGA) UTLs** Another selection of utilities for A1200 owners also includes FakeMem, KillAGA, AGATest, Degrader
❑ **^ + V1091 ASTRONOMY v2.1** A menu driven astronomy program that calculates information about the Sun, Moon, Planets and Constellations. New updated version
❑ **^ + V1092 HEROQUEST AID** Will aid solo AD&D players who do not have a Dungeon master. It takes over the DMs role.
❑ **^ + V1093 PARNET SET-UP** A two way network file system that uses two parallel ports, establish wo two amigas. (2)
❑ **^ + V1095 THE DEGRADERS** If you have trouble running software on an A1200 or A4000/030/040 give this disk a try it will emulate the basic 1.3 ram better that any other software on the Amiga at present
❑ **^ + V1096 MING - CHINESE ASTROLOGY** Will create a horoscope in seconds, not hours its the complete aid.
❑ **^ + V1104 COLOURED ICONS** Transfer your disks into colouful well presented works of art with this database of excellent icons
❑ **^ + V1105 Xpert Boards** Allows you to keep track of your favorite teams and there results. DataIndex v2 4
❑ **^ + V1109 STAR VIEW** Is designed to show graphically the positions of the stars and planets from any point on Earth.
❑ **^ + V1110 POOLWINNER v2.01b** Is a Horse Racing prediction program which uses statistical analysis of Major factors.
❑ **^ + V1112 CHEQUE BOOK v2.5** Record your bank and other transactions.
❑ **^ + V1114 PRINT LABELs** DocDump2.1, Envelope Print v1.2, Inlay Maker v1.4, MC master v1.4, Quick Envelope Print v3.5
❑ **^ + V1116 POOLS WIZARD JNR** Dead-acated Amiga Football Pools predicter.
❑ **^ + V1117 x-BEAT PRO** A good program for drum sequencing 16 bass.
❑ **^ + V1125 LEMMINGS 2 INSTALL** This disk will install Lemmings 2 to your hard drive. Also Chip Ram + 512K Load Print v3.5
❑ **^ + V1129 RED DRAWF TRIVIA** The ultimate Quiz and answers game.
❑ **^ + V1130 COMMUNICATE v1.2** A helping tool for learning one of the eight formats of cummunications or languages
❑ **^ + V1134 Zoomap** A zoom map with detail
❑ **^ + V1135 DISKSALV UTLs** Copy_C A tool for making backup copies, formatting ect. Disk Medic A multi drivedisk copier. Disk Salv2 is a disk structure, file repair come salvage or undelete utility. MR_Is a hard drive menu and workbench tool.
❑ **^ + V1137 (AGA) UTLs 4** Test, BBlank, CheckAGA, CycletoMenu, Doublex, Force VGA, GIF Datatype, PKLudge, PPShow, Rend24, ViewTek and Verlauf.
❑ **^ + V1138 DISKUPGRADER** Upgrader, Pov-Ray, AmigaToDouble, CardMemLast, Palette, Promotor, RomTagMem.
❑ **^ + V1139 (AGA) UTLs 6** A4091Patch, Alert Timer, Bestid, Clouds, Ham8 JPEG, NewPOP, NTSC4NTSC, PatchPointer, Plasma PCX & Screen Changer
❑ **^ + V1140 FOOTBALL FORECAST** v1.2 This is the latest and most upto date football results prediction program. New instructions
❑ **^ + V1141 MANDELPLOT v2.4** Does't just produce 2d fractals, can view them in 2d or 3d modes, make animations, even design your own fractals. Fastest mandle program around
❑ **^ + V1144 GRAPHICS** Contains JPEG files, DJPEGGui v37.1, MakeAnim7, BestAGA anim playback. S-Anim-5 v1.1, S-Pic v1.2
❑ **^ + V1145 MENUMASTER III** If you want to produce a simple menu system, this is it wether for CLI or Workbench. Floppy disk
❑ **^ + V1147 EASYBENCH** Contains a wide selection of utilities which covers almost all the best utilities on the Amiga (2)
❑ **^ + V1152 GOLDED v.94** A GUI Based editor with lats of functions/options (about 250), DICE compiler front end, OS3 look (2)
❑ **^ + V1153 GRAPHICS** Several 3d all Intuition menus, supporting bath pull-down and Pop-Up. Menus can displayed in a 3d look
❑ **^ + V1156 VIDEO TITLER** Can you generate professional looking TV titles and credits for you own videos. Well you can with this, it has countless abilities
❑ **^ + V1161 GOALKEEPER** 1.2 Computer soccer administration program, Create your own Mini Football leagues upto eight teams.
❑ **^ + V1164 ASi A1200 FIX DISK** Contains all what you would need for getting disks to work on your new a1200 computer
❑ **^ + V1167 NETWORK REPORTS** Is another intresting Workbench utility disk packed 99% full of utilities and documents
❑ **^ + V1178 KICKSTART 3 EMULATOR** This disk is a multi kickstart selection utility disk. You can select Kickstart 1.3 (34.005) Kickstart machine (as it is) Kickstart 3.0 (39.106) No AGA support but a superior Workbench ect
❑ **^ + V1179 FILE-O-FAX** Designed for you to work at your own leisure without worrying about forgetting those important meetings, or names, address, tel Number's ect.
❑ **^ + V1184 AMIGA DIARY** Is a mouse driven diary capable of storing all person events and is the solution to those forgotten birthdays, missed appointments ect
❑ **^ + V1185 GENIE** Is a new genealogist database which will keep track of info
❑ **^ + V1196 DESKTOP VIDEO** Is a disk with making and editing your very own video master pieces. Contains excellent software
❑ **^ + V1200 MAGIC WORKBENCH** Is a selection of icons or items to enhance your Workbench screen and environments
❑ **^ + V1207 OCTASTUFF** A new collection of utilites come samples come modules for use with the famous OctaMED programs
❑ **^ + V1208 OCTAROCK** A selection of rock orientated modules and samples (OctaMED)
❑ **^ + V1209 GNU C++ COMPILER** Requires HD 6Mb+, These's disks consists of the latest version of the GCC environment. Thus the compiler, driver, assembler, linker, header files inline code generation of library calls. (3)
❑ **^ + V1213 PROGRAMMING** Contains the Programming languages like, Ace, Amigal, Amiga Basic, BPPalog, BCPL4AMI, EGUI, Pascal and others (3)
❑ **^ + V1219 THE AREXX GUIDE** Full Amiga Guide document to teach you Arexx!! Tip filled with easy cross referencing
❑ **^ + V1220 TERMINUS** Modem/Terminal program. Full featured scripts/screen modes/cursor, ect. Very popular program
❑ **^ + V1221 (AGA) BLANKER** BlitzBlanker for WB v3.x only it has 14 different blankers all ready to show off your AGA machine!
❑ **^ + V1222 PANASONIC STUDIO** Special printer Preferences editor and driver system for all Panasonic 9 & 24 pin printers
❑ **^ + V1223 CANON STUDIO** Special printer Preferences editor and driver system for BJC 800&880, LBP A1, A2, BJC 800, BJ5, 10, 20, 200, 230, 300, 130.
❑ **^ + V1226 ANIMATION & PAINT** Direct Action, Movie the amination player, QuickFlix o slideshower, Pro Animate, FirePaint
❑ **^ + V1227 GADTOOLs** Contains a collection of sharded libraries intended to provide programmers with new GadTools
❑ **^ + V1228 WB 3.0 UTLs 7** Contains another excellent helping of new utilities for WorkBench 2.0 and 3.0 Enforcer, a tool to monitor illegal memory access. Assign Manager, A new pref edito AssignPrefs, PickStartUp, Allows you to select a startup-sequence of your liking. SlickIt, A computer replacement for the ol' Psst-It note
❑ **^ + V1229 (AGA) MAIN ACTOR v1.16** A modular anim package with many features, IFF-Anim 5/7/8, IFF-Animb Brush, PCX, players from Hard disk or play in a window (2)
❑ **^ + V1231 HD SOUND UTLs** Contains Sound, SoundMachine, QuadraComp An intuition based music tracker that uses the internal sound capabilities of the Amiga HD_FreqSeq is a HD recording system with many features, rates 60khz on A1200s
❑ **^ + V1235 BLACKBOARD v1.0** is an image proccessor written specifically for the AGA chip-set machines. will load ILBM (IFF), Sculpt files, you can also shade, colour, Crop, Scale, Mapping, Edit, Rectangle, Change range also various painter routines.
❑ **^ + V1236 INVOICE PRINTER** Will print invoices onto your letterheads. Much sort after. Ideally suited to a small business.
❑ **^ + V1237 SUPERSPELL** A global spelling checker for use in any program you are typing under. Has a huge word dictionary which you can edit, add, replace ect
❑ **^ + V1238 KICKSTART SAVER v2.0** Functions include load disk df0 , df1 , load file, kicksum, makekick, save file ect
❑ **^ + V1239 SKICK PRO v3.43** is the replacement for Kickit, ZKick, and IJKick ect intended for use with WB 2.0 machines and the task is to soft-kick any other version of kickstart into RAM. Enhanced KS3 0 features
❑ **^ + V1240 SHOW STD v1.2** is a tool that can be used to show the area covered by a particular STD code on a map on the UK. Flying Toasters, is a 60 fps mouse blanker
❑ **^ + V1241 THE PD OFFICE** is a little collection of wonderful utilities like EdWord-Pro, AddressBook, EasyCalc ect
❑ **^ + V1242 RE-ORG v3.11** is a fast shareware disk optimizer for AmigaDOS.
❑ **^ + V1243 JPEGSLIDESHOW** Volumes 1 4 to 7 packed to bursting point of Images for use with that amazing program Image (4)
❑ **^ + V1247 TEXTURE MAPS** in 320x200 JPEG format for use with any rendering progras, textures like Organic, Miscellaneous, Stone, Wood ect (3)
❑ **^ + V1250 SOLDERBIG3** Contains many useful tools for drawing good quality circuit diagrams, and also vero-board (strip board/solder board) lay-outs complete PD system.
❑ **^ + V1265 DYNAMIC SKIES** A big toolbox for astronomy that has, for an ultimate goal, to answer with speed any question that may arrise on celestial objects. You can even animate Jupiter's path across the sky (2)
❑ **^ + V1269 OCTAMED TUTOR** A simple guide through the basics of this excellent music program. From OctaMED 3 xupwards
❑ **^ + V1270 BINGO** Brings all of the entertainment of Bingo to the comfort of
❑ **^ + V1271 THE DARK ROOM** will help you learn how to develop films to film spirals
❑ **! ~ V1272 CDTV>CD32 ADAPTOR** Will help you make a lead so that you can use a CDTV keyboard on a CD32 machine.
❑ **^ + V1273 AMIGACD-ROM v1.7** A CD-Rom disk filing system for the Amiga. It supports the ISO-9660 standard and will mount the drive as a dos device (e.g CD0:) You can even access files and directories on a CD.
❑ **^ * V1274 KNIT v1.01**, Converts an IFF pic into a knitting pattern. **VIDEOMAXE 04.20**, A video package that satisfies all the needs of a private video user. full OS 2 1+
❑ **^ + V1275 RUSH v1.0** is a directory utility for AmigaDOS 2 0 or greater. It allows files and directories to be manipulated quickly and easily. **PEOPLETREE** What it offers you is the ability to compile a fair-sized family tree for your self. **DMB-UP** can be be sold on to developers, who may wish to test programs
❑ **^ + V1277 STAR STUDIO** Printer driver software for controlling any printer printer
❑ **^ + V1278 MAIL-O-DEX** An excellent way to keep names, addresses, Phone numbers, ect & then print them out
❑ **^ + V1279 PRINT-A-CARD** Want to print a business card or any other type of card then this is the software for you.
❑ **^ + V1280 DIVIDEND WINNER & PERM CHECK** is a pools prediction aid which will advise which numbers to enter on your coupon based on sequence prediction
❑ **^ + V1281 SMARTY PAINTS** The whole idea is for your kids to have a serious art package with usable & interesting facilities.
❑ **^ + V1282 FOOTY v4.1** is a dedicated football database, sit back in your favourite chair with your mouse-mat on your lap and keep track of whats happening in the football league
❑ **^ + V1284 PC FORM LETTERS** Just load em into your fave WP and insert your own details then Voila ! Instant business letters!
❑ **^ + V1285 ADDRESS BOOK 7** Now also contains the program called sid for easy installation of the Printer Drivers.
❑ **^ + V1287 LEARN IN SPACE** Let your younger children learn how to add, subtract while playing. Ages 4-7 years
❑ **^ + V1296 EAGLE PLAYER v1.41** is Germanys best selling module player stroke construction package which supports over 80 music makers and trackers. (2)
❑ **^ * V1302 XFH-HANDLER v1.34** is a DOS handler which uses xpkmaster library to provide transparent access to compressed files in a given directory or partition. All compression/decompression is done automatically by the handler when files are read or written.
❑ **^ + V1303 SCALA BACKGROUNDS** Pictures are in 736x580 16 colour format for use with The program Scala. Theres about 15 pictures in total and are very sharp indead (2)
❑ **^ + V1305 VIRUS WORKSHOP v3.2** This version killer was produced to get rid of all the viruses hanging around. Takes over where BootX has left off
❑ **^ * V1307 NETWORKING** Contains utilities to help aid in Networking your Amigas like Amiganet 25, DNet, Par/SerNet, also contains various updates, libs and libs (3)
❑ **^ + V1310 GUIDEs** Contains AGAGuide, which gives full Amiga Guide information and Libs Guide is a Guide to the Amiga Libraries, Where to find almost every Library
❑ **^ + V1311 CD ROM** Contains a selection of CD Rom related utilities like CDTV Player v2 2, PlayCDDA and ReadDCTV
❑ **^ + V1313 GBLANKER v2.7** Is a complete modular screen blanker package designed with DOS 2 04 or better in Mind. 14 Different Blankers and a message system
❑ **^ + V1314 HPAL (2)** Contains a printer driver for the HP LaserJet 4L printer
❑ **^ + V1321 EdWord Pro v4.1** Is about the best Public Domain / Sharewore Text language editor or Word processor on the Amiga with over 100 features. By M Reddy

GAME DISKS

❑ **! ~ 1073 TETRIS ORIGINAL** This is the closest game to the original Tetris
❑ **^ + 1420 DTRIS** If you want a 1 or 2 player Tetris this has to be 1 of them
❑ **^ + 1749 SCRAMBLE** Original that old classic game from the arcades
❑ **^ + 1977 POM POM GUNNER** Shoot down WW2 air planes in this Op Wolf game
❑ **! ~ 2018 JETMAN** Spectrum classic on the Amiga with all the original sounds
❑ **^ + 2022 SEA LANCE** The first Silent Service type sub war game on PD
❑ **^ + 2054 ATR** Atari ST Emulator. A rendition of the game from the original Spectrum
❑ **^ + 2164 DUNGEON ON NADROJ** This is the best D&D adventure type game.
❑ **^ + 2220 STRATEGIC GAMES** Eternal Rome, Lords of Hosts, In Moonshine
❑ **^ + 2299 MIND GAMES 21** of the best games to challenge your mind
❑ **^ + 2272 BLACK JACK LAB** Play all the popular versions of Pontoon
❑ **^ + 2278 CARD SHARP** Very well presented selection of solitaire games.
❑ **^ + 2280 DIPLOMACY 2Mb** Classic strategy game. Successor to the World War
❑ **^ + 2411 TOTAL WAR** Strategy world conquest type game. 1 or more players
❑ **^ + 2432 GOLDEN OLDIES** Galago, Galaxian, Space invaders, Asteriods, Batty & Missle Command the Classic selection.
❑ **^ +> 2447 COINDROP** Fruit Machine simulator. With gamble modes
❑ **! ~ 2448 CRAZY SUE** Another first rate cute school girl platform game.
❑ **^ +> 2480 FRUIT MACHINE 2** As near as poss to the Arcade machines
❑ **^ + 2491 LEGEND OF LOTHIAN** Excellent adv game in the vein of Dungeon Master
❑ **^ + 2498 AMOS CRICKET** Excellent arcade cricket simulator with nice graphic
❑ **^ + 2614 TETREN** is a 1 or 2 player Tetris. The 2 player game is Head 2 Head.
❑ **^ + 2617 GOLDEN OLDIES 2:** Croak, is a 1 or 2 player Frogger. BiPlanes is 1 of the most addictive 2 player games around here. Trail-Blazer, as the C64 Classic Scamble
❑ **^ + 2620 DR MARIO** You must move coloured pills down the screen
❑ **^ + 2621 ETERNAL ROME** Start the Roman Empire from 32BC. Build fleets, armies & attack other countries and armies
❑ **^ + 2622 DONKEY KONG** Platform game in which you must rescue the girl.
❑ **^ + 2676 MORIA v5.4** Loods of new features, better graphics, larger, graphics, dungeons, screen updates, overview of dungon's map, more monsters ect
❑ **^ + 2724 NEIGHBOUR** Is the best graphical adventure game to date (2)
❑ **! + 2738 AIR TRAFFIC CONTROL** Try to quide upto 100 planes into the AirPort
❑ **! + 2802 CARD-O-RAMA** Sea heven, Crib Klondike, Black-jack, Spades, Street
❑ **^ + 2811 ALL ROUND CRICKET** Cricket simulation with great graphics & play
❑ **^ + 2854 SPACE INVAIDERS II** A revised old classic Space Invaders game
❑ **^ + 2864 FIGHTING WARRIORS** A karate combat fighting contest game
❑ **^ + 2932 HUNCHBACK** Enjoy puzzles then this is a must. You have a crubble board & you must place tetris blocks to get points.
❑ **^ + 2987 B

KT'S P.D. (Software)

THE FAST AND FRIENDLY LIBRARY

FOR THE AMIGA USER
500 ● 500+● 600 ● 1200

GAMES

- 18 HOLE GOLF (2) +Y
- NEIGHBOURS (2)+Y
- AMOS FRUIT II +Y
- TETRIS AGA 1200
- ROAD TO HELL + Y
- PACMAN RETURNS + Y
- F1 PIXX MANAGER + Y
- STARBASE 13 (2) + Y
- TEXAS CHAINSAW + Y
- KLONDIKE 1200 (3)
- STAR TREK (2) + Y
- MOTOROLA 2 (2) 1200
- MR MEN OLYMPICS (2) + Y
- JELLY QUEST + Y
- SKIDMARKS + Y
- PRO BINGO + Y
- GORF + Y
- SYSTEM DEFENDER + Y
- FATAL MISSION 2 +Y
- DINOWAR + Y
- GLAXO (2) + Y
- KUNG FU CHARLIE + Y
- KT's BOARD GAMES + Y
- SEEK & DESTROY + Y
- SPECCY GAMES (8) + Y
- 2 PLAYER SOCCER LG +Y
- SCRABBLE + Y
- ELEVATION 2 + Y
- CASH FRUIT + Y
- PREMIER PICKS + Y
- SUPER BLUE KID +Y
- FIGHTING WARRIORS +Y
- TETRIS PRO + Y
- WIBBLE GIDDY + Y
- TOP OF THE LEAGUE + Y
- DELUXE PACMAN +Y
- KLAWZ THE KAT + Y
- SOCCER CARDS + Y
- PARACHUTE JOUST + Y
- DITHELS W/LAND + Y
- MAD FIGHTER 1200
- MEGABALL 2.1 + Y
- BEETLE + Y
- DETH-CHARGE + Y
- AMOS GAME COMP + Y
- KTs GAME COMP + Y
- MATRIX BLASTER + Y
- SLIME GAME + Y
- DARTS + Y
- HIGH OCTANE + Y
- QUACKERS + Y
- METAL MOTION + Y
- CLASH OF EMPIRES + Y
- KINGDOM AT WAR + Y
- 9 FINGERS (2) + Y
- TROJAN TRACKS + Y
- PANTA REHI 1200
- S.O.T.A. SPACEBALLS + Y
- PHOENIX DEMO + Y
- HOI AGA 1ST DEMO 1200
- HOI MINDWARP 1200
- DREAM TRIPPIN + Y
- MADE IN CROATIA +
- NOICE + Y
- HYPNOSIS +Y
- CLAIRVOYANCE + Y
- VOMIT + Y
- CHANEL NO 5 1200
- DESERT DREAM (2) + Y
- FINAL CHAPTER (3) 1200
- POINT OF SALE 1200
- ABSTRAX PIB 1200
- SKIZZO DEMO 2 (4)
- RETINA EURO 1 + Y
- CLAUSTROPHOBIA + Y
- PYGMY EXTEN + Y
- JESUS ON E's (2) + Y
- ODYSSEY (5) +
- MAYDAY + Y
- FAIRLIGHT 242 + Y
- SUBLIMINAL XTC (2) +Y
- LEMON GROOVEY + Y
- GALEMANDS 1200
- VOLCANO 1200
- EXPLICIT 2 1200
- CROMAGIC 1200
- HOTH ANIM (4) (3 req) + Y
- REVELATIONS SS + Y
- MOBILE SPACEBALLS + Y
- BRAINSNATCHERS +
- LETHAL EXIT + Y
- INTENSE (2) + Y
- NOXIOUS 1200
- FULL MOON AGA
- SANITY ARTE + Y
- ORIGIN (2) 1200
- WIND IT UP + Y
- VIRTUAL JOURNEY 1200
- SATISFACTION G/TEED + Y
- FLYING COWS P/S J.A.K. 1200
- BAIT MASKING (2 Meg)
- MANGA SLIDES (4) AGA
- FIT CHIX (2) 1200
- FIT CHIX 3 (2) 1200
- BODYSHOP 4 (2) 1200
- BODYSHOP 5 (2) 1200
- BODYSHOP 6 (2) 1200
- BODYSHOP 7 (2) 1200

MUSIC

- MED 3.2 +Y
- OCTAMED 2 + Y
- PROTRACKER 3.1 + Y
- MED MODS 1 + Y
- MED MODS 2 + Y
- MUSIC MODS (10) + Y
- MEGA SAMPLES (5) + Y
- OCTAMED 5 DEMO + Y
- X BEAT PRO + Y
- TECNO MODS (6) + Y
- RAVE SAMPLES + Y
- KT'S MODS (3) + Y
- DRUMLOOP SAMPLES + Y
- KT'S MODS 70/100K + Y
- CHIP MAN SAMPLES + Y
- MUSIC MADNESS + Y
- HEAVYROCK MODS (5) +Y
- SIMPLY BLUE + Y
- SHAMEN MIX + Y
- PASTEL VANILLA (2) +Y
- RHYTHMIC + Y
- BASS IN YA FACE + Y
- A TRIP TO DBASE (2) + Y
- DATA X TRILOGY + Y
- DATA X THE VICTIM + Y
- BIOMECHANOID 1200
- XENO INFINITY + Y
- CYBERNEX MCD + Y
- DANCE TRASH (2) + Y
- INSTRUMENTS + Y
- KT'S MODS <65K + Y
- BUNGLE MIX + Y
- OCTAMED TUTOR + Y
- TECHNO MANIA II + Y
- TUNE UP THE BASS + Y
- IMPULSE: ART & GO +Y
- KT'S MUSIC DISK + Y
- H/METAL MODS (2) + Y
- DEBUSSY + Y
- NOISEPLAYER 4 + Y
- VIVALLDI (2) + Y
- SUPERSOUND II +Y
- RAVE VISION + Y
- PRO SD SAMPLES (2) + Y
- MUSIC BASE V1.1 + Y
- SAMPLE FACTORY =Y

ODD THINGS

- MAG E ISSUE 1
- WAYS TO DIE SLIDES + Y
- SUICIDE MAN LEMMING
- SHOW 1.5 MEG + Y
- SHED TEARS S/S (2) 1200
- CANDY FLOSS C/BOY BODTS

UTILITIES

- D-COPY 3.1 + Y
- LOOK PICK 2 + Y
- ENGINEERS KIT + Y
- FREECOPY 1.8 + Y
- AMIGA BEGINNER + Y
- WBENCH 2 TUTORIAL + Y
- MAVERICK COPY + Y
- SKICK W83 + Y
- MENUMASTER 3 + Y
- ANDY WB3 UTILS 1200
- TETRA COPY + Y
- CRACK AND COPY + Y
- FAKEM + Y
- PRINTER DRIVERS + Y
- EMULATORS IBM ETC + Y
- HARD DRIVE UTILS +Y
- W83 BACKDROPS Y
- SPECTRUM 1.7 + Y
- BLACKBOARD + Y
- 200 UTILS + Y
- PC TASK 2 + Y
- LITTLE OFFICE + Y
- PRINT STUDIO + Y
- SID 2 + Y
- BUSINESS LETTERS + Y
- EASY CALC PLUS + Y
- VIEW TEK V1.5 + Y
- MAGIC WORKBENCH HD
- POOLS WIZARD JNR + Y
- TEXT ENGINE 4.1 + Y
- IMAGINE OBJECTS (7)
- MAGNUM 1.7 + Y
- FONT FARM 3 + Y
- DTV STUFF + Y
- BLANKERS + Y
- ICONS 3 + Y
- GAME TAMER 4.59 + Y
- NIB V2 + Y
- MANDLEMANIA 4 + Y
- MAP STATION + Y
- ASTRONOMY V2.1 + Y
- PHOTOGRAPHY + Y
- ERROR INFO + Y
- MINI MORPH + Y
- INSCRIPT V1.1 + Y
- PRINT A CARD + Y
- FONT FARM 4 AND 5 (2) + Y
- SUPERLEAGUE + Y
- WORD UTILITIES + Y
- SOFTWARE LISTER + Y
- PROPAGE HELP DISK
- C/ART FOR PROPAGE (2)
- AMYGEN + Y
- VIRUS BOOK + Y

EDUTAINMENT

- TX PASSWORD + Y
- VIDEO TITLER + Y
- FIX DISK 2 1200
- 1200 GRAPHIC UTILS
- 1200 DEGRADERS
- ASI FIX DISK 1200
- RUSH HD UTILS + Y
- BANNER MAKER + Y
- HOW TO CODE IN C (2) + Y
- S-SOLVE CROSSWORD + Y
- B BASE 3 + Y
- DISK MANAGER 3 + Y
- DOC DUMP 3.6 + Y
- TURBO IMPLODER 4 + Y
- COURSE FORM + Y
- SOFT AGA +
- CG FONTS (7) + Y
- PARBENCH + Y
- PARNET (2) + Y
- PARNET HELP + Y
- VIRUS ALERT + Y
- SUPER VIEWER 2.4+ Y
- EDWORD PRO 4 + Y
- ASI COPY DISK + Y
- C.A.G V3.1 + Y
- THE DESIGNER V2.2 + Y
- THE EMULATOR +Y
- PD DISK EXPANDER + Y
- ESSENTIAL PRINT/PROG + Y

CLR LICENCEWARE

- CLE 05 A-CHORD
- CLE 10 BCALLY AMIGA (3)
- CLE 35 SOLAR SYS II (3)
- CLE 39 LITTLE ARTIST (2)
- CLE 47 SEA SENSE
- CLE 48 ROCKET MATHS
- CLE 49 TC DINOSAUR 3 (3)
- CLE 50 DRAT V2 (2)
- CLE 51 PAINT & DRAW
- CLE 53 LETS LEARN 2
- CLE 54 TITANIC (2)
- CLU 03 TYPING TUTOR
- CLU 04 ALPHA GRAPH
- CLU 09 PLAY N RAVE V2 (2)
- CLU 10 POWER ACCOUNT
- CLU 13 DATOS
- CLU 21 INVOICE MASTER
- CLU 32 POWER TEXT
- CLU 33 AM TUITION
- CLU 34 IMAGE DOCTOR
- CLU 35 CRITERION
- CLG 16 CRYSTAL MAZE
- CLG 18 SCAN 29
- CLG 26 MONSTER ISLAND
- CLG 28 TIME RIFT
- CLG 38 QUINGO
- CLG 31 DIRTY RACKETS
- CLG 40 TRAX
- CLG 41 FI RACER
- CLG 42 CRYSTAL SKULL
- CLG 43 PIC IT (2)
- CLG 44 VIKING SAGA
- CLG 45 KNIGHT FIGHT (2)

QUALITY ACCESSORIES

8mm high quality mouse pad	£2.99
Amiga 500/600/1200 dust covers	£3.99
Philips 8833 Monitor dust covers	£5.99
3.5 disk drive cleaning kit	£2.99
Printer stand (fits all dot matrix printers)	£5.60
Blank disk (high quality with labels)	£0.45
100 cap disk boxes	£6.45
Mouse cleaning kit	£6.00
Printer Lead (2 metres)	£4.00
Mouse Trap	£1.99
Disk Labels	Please call for prices
Mega Mouse	£13.45
Printer Ribbons	Please call for type and prices
CD Roms for A570/CDTV	Please call for price

SPECIAL PACKS

ADOBE FONT PACK
8 disks full of type 1 fonts for your DTP work £8.00 inc P+P

BUSINESS PACK
6 disks for all your business needs £6.00 inc P+P

DESKTOP VIDEO PACK 2
4 disks for all your video work. £4.00 inc P+P.

COLOUR FONTS
5 disks. £5.00 inc P+P

KICK 1.3 REF U048 FOR ALL YOU 500+/600 owners to run your old software

SKICK + REF U277 FOR ALL YOU 1200 owners to run your old software. Brilliant!

GRAPEVINE DISK MAGAZINE BY LSD OUT NOW ISSUE #18 ONLY £3.00

BODYSHOP PACK 8 DISKS £7.00

FIT CHIX PACK 6 DISKS £5.00

GET AN UPDATE posted to your door every 6-8 weeks containing details of all the new PD releases and a few new utilities for you to play with. 1 year sub for £9.99 (UK)

All Disks **90p** each

Postage
UK orders 70p
Europe + 20p per disk
World + 40p per disk

HOW TO ORDER: Please make cheques payable with bankers card no, or postal orders to KTs P.D. (Software). All orders sent First class the same day. + = Plus compatible Y = 1200 compatible (*) = No.of Disks

Choose 10 disks and get 1 free

CLR prices as follows
1 Disk Title = £3.50
2 Disk Title = £4.50
3 Disk Title = £5.50
1 free PD disk given with every CLR purchased

We stock Fred Fish 1-975 CLR Licenseware all titles. Assassins Collection up to 160 Aisp, Scope and LSD legal

Catalogue disk at 70p, or FREE with your first order

DEPT AF, 23 WEST STREET, ROCHFORD, ESSEX SS4 1BE

Tel/Fax: 0702 542434 anytime. FREE GIFT: Spend over £15 and get a disk cleaner kit free.

100 TOP PD GAMES £8 INC P+P

WMC PD

ALL DISKS GUARANTEED VIRUS FREE
24 HOUR TURNAROUND
TELEPHONE SUPPORT/HELP LINE

GAMES

ALL NEW STAR TREK + Y
By Richter. The best trek
ARCADIA + Y Arkanoid clone
BACKGAMMON + Y
DARTS + Y Great darts game
DITHELL IN SPACE + Y
Great new platformer
E-TYPE +Y A cross between Asteroids & Project X
18TH HOLE GOLF + Y (2)
Excellent golf game
F1 CHALLENGE + Y
Good Grand Prix management sim
JIGSAW + Y
Tricky teaser with a twist.EXCELLENT
KLONDIKE Y (3)
Brilliant patience game
MORTON STRIKES BACK +Y
Great platformer
ORC ATTACK + Y
Stone the orcs to save the castle
POM POM GUNNER + Y
Shoot the enemy aircraft
SCRABBLE + Y Classic
SEA LANCE + Y
Control your sub in enemy waters
STARBASE 13 + Y (2)
best PD game ever. GET IT!
V-CHESS + Y
Excellent chess program

UTILITIES

1200 ACTION REPLAY V4.0 Y
Software version of the famous cartridge
BBASE III V1.3 + Y
Easy to use database
DISK SALVAGE +Y
Correct disk errors etc
D-PAINT TUTOR + Y
ENGINEERS KIT + Y
Check out your system
HAM LAB PRO V2.0 + Y
Great graphics utility
INVOICE MAKER + Y
For the small business
JODY UTILITIES 1 + Y
Utilities collection
JODY UTILITIES 2 + Y
More useful utils
MAGNETIC PAGES V1.3 + Y
Create your own disk mag
OCTAMED 2 + Y
One of the best PD music makers
TV GRAPHICS + Y (2)
Fonts and backdrops for video titles
ULTIMATE DISK CREATOR + Y
Lots of start-up sequences
VIEWTEK + Y View CIF, JPEG etc files. AGA support
X-BEAT PRO + Y
Drum sequencer

EDUCATION

AMIGA BEGINNERS GUIDE + Y
CHEMESTHETICS + Y
Study modecules and atoms etc
D-DAY + Y
Hyperbook. Excellent for students
ELEMENT V3 + Y
The Periodic Table
HOORAY FOR HENRIETTA + Y
Maths for 5-12 year olds
HENRIETTAS BOOK OF SPELLS + Y Another in this series
INVASION MATHS +Y
Fun way to improve mental arithmetic
OCTAMED TUTOR + Y
STORYLAND 2 + Y
Great Kids adventure game
TOME OF MYTHS + Y (2)
Hyperbook on mythology
TYPING TUTOR + Y
VISIT TO THE RED PLANET +Y Guided tour of Mars
WORDS + Y
Help solve crosswords etc

18+

Full selection of adult titles available. Please see catalogue

THIS IS ONLY A SMALL SAMPLE OF OUR VAST SELECTION OF PD TITLES
WE STOCK THE FULL RANGE OF FRED FISH, SCOPE & ASSASSINS
WE CAN SUPPLY ANY PD DISK ADVERTISED IN THIS MAGAZINE

+ - A500/A600 compatible, Y - 1200 compatible, () - number of disks

PRICES

1-9	disks 1.20 each
10-19	disks 1.00 each
20+	disks 0.90 each

POSTAGE

UK - 50p per order
Europe + 10p/disk
World + 20p/disk

Cheques/POs payable to
WMC
5 Tai Arthur
Penisarwaen
Gwynedd LL55 3PN
Tel/Fax 0286 871815

WRITE OR PHONE FOR FREE CATALOGUE DISK

R·E·A·L·I·T·Y
Public Domain Software

Welcome to Reality! This month you can get more QUALITY software for less than ever before! And the new Reality disk lister has all of our quality titles and comes with Kwikcopy V2.1 free! All this for £1 including p&p! So get real. Get Reality.
500 only except (AGA) AGA machines only (1200) 1200 and 500 compatible. (2) is number of disks. Software with # comes highly recommended.

MUSIC

M021#	Rave Nation (2) (AGA)
M017#	Capella Mix (AGA)
M023#	Sanity Modules (1200)
M014	Exemporized (1200)
M012#	Unleashed (2)
M011	Splosh (AGA) (2)
M016	Majic 12 GFTR (2) (1200)
M024#	Exodus on Lard (AGA)
M022#	Intense Polychrome (1200)
M002	Legalise it 2 (1200)

INTRO PACKS

R001#	Pick of the Packs #1 (1200)
R002#	Pick of the Packs #2 (1200)
R003#	Pick of the Packs #3 (1200)
R004#	40K Heaven (1200)

DISK PRICES

1-20 DISKS £1.25
21+ DISKS £0.99

POSTAGE PACKING

UK + 50P
EUROPE + £1.00

FULL LIST AVAILABLE ON DISK FOR £1 INC P&P

DEMOS

D043	Razor We Shave (AGA)
D036#	Complex Origin (2) (AGA)
D035#	Spaceballs 9 Fingers (2) (1200)
D034	Sanity Boggledop (AGA)
D000#	Desert Dreams (2) (1200)
D029	Cybex Meetro (1200)
D002	Neural Assault (1200)
D003#	Spaceballs (1200)
D025	Sanity Interference (1200)
D005#	Sanity Arte (1200)
D037#	Empty Head (AGA)
D038	Jesus on Cheese
D032	Damage Uquala (AGA)
D050#	Snake Rider (2) (AGA)
D040#	Movement Numb (AGA)
D041	Explicit 2 (AGA)
D015	RSI Timezone (1200)
D021	Pygmy Extension (1200)
D028#	How 2 Skin a Cat (1200)
D023#	Lemon Groovy (1200)
D026	Lemon RinkADink

GAMES

G015#	Pee Bee (1200)
G014#	Giddy 2 (1200)
G001#	Wibble World Dizzy (1200)
G002	Hellzone
G003	LCD Dreams (1200)
G010	Mr Men Olympics (2)
G011#	Scorched Tanks (1200)
G007#	Super Twintris
G012	Nostalgium (1200)
G009#	Motorola Invaders 2 (2) (AGA)
G013#	MegaBall (AGA)

SLIDESHOWS

S025#	Party III Art Pack (AGA)
S022#	Bodyshop 6A (2) (AGA)
S018	Beyond Force (2) (1200)
S023#	7 Seas Art (2) (1200)
S005	Gathering (1200)
S017	Ferrari (1200)
S007	Silents Slideshow (2)
S024#	Party III Art Pack (1200)
S014#	Claudia (AGA)
S015	Garfield Slideshow (1200)
S019	Shed Tears (2) (1200)
S020	Gladiators (2) (AGA) 2 Drives
S001	Melon Prism
S021	Comic Art 3 (1200)

UTILITIES

U019##	Texas Cheats (2) (1200)
U020##	Amazing Utils! (1200)
U018	Printing Progs no 1 (1200)
U017#	Majic WorkBench (AGA)
U003#	Protracker 3.10 (1200)
U007	N.comm V3.0
U021#	Lanscaper Demo (1200)
U006#	Kick 1.3 (AGA)
U010	LSD 147 tools (1200)

A1200 USERS! USE KICK 1.3 TO RUN A500 PROGRAMS

ORDERING YOUR QUALITY SOFTWARE

Please make your Cheques or Postal Orders payable to:-

"Reality"
3 Manor Road,
Taunton, Somerset
TA1 5BB

EASY PD

POBOX36
FRODSHAM
WARRINGTON
WA6 6DJ
TEL: 0928 732 550

We only stock the best in Public Domain software, and listed in this advert you will see a selection of the current top rated titles. As well as only stocking the best PD, we try to offer the best quality and helpful service that we can. As our name suggests we also aim to keep things simple and clear for the computer novices out there, and so all our disks come with there own loading instructions and each order is accompanied with a general help sheet written with the total computer novice in mind.

ALL DISKS ARE £1.00 EACH
DATABASE DISK CATALOGUE £0.50 POSTAGE/PACKING £0.50 PER ORDER

ORDERING

Simply write down the catalogue numbers of the titles you require on a piece of paper, and count the total number of disks this all amounts to. Multiply this figure by £1.00 then add 50p for postage. Send a cheque or postal orders payable to "EASY PD", along with your list and name and address to the address above.

COMPATIBLE?

All the disks listed are compatible with all the Amigas, unless otherwise stated. The minimum memory for any Amiga is deemed to be ONE megabyte. Disks are not checked for compatibility with any less. There are three types of Amiga at present, and for the purpose of this advert they are - "500" means any A500, A1000, A2000 or any old A1500 with workbench 1. "600" means any A600, A500+, A1500, A3000. "1200" means any A1200 or A4000. If you are in doubt when you order, simply state your Amiga and you will not be charged for any disks which will not work on your system.

TOP GAMES

- 27 ASSASSINS 100
"BLOAD RUNNER" a good game "PATIENCE" the old card game "MONACO" an excellent version of a classic old arcade racer.
- 421 ASSASSINS 70
"TETRIS PRO" probably the best Tetris game around for the Amiga "WANGLE" strange game "TETRIS DIGITAL" a two player game.
- 740 ASSASSINS 122
"BOULDERDASH COLLECTION" a good set of Boulderdash games "PROJECT BUZZBAR" a very good addictive shooter - asteroids style "XENON 3" well almost anyway
- 852 ASSASSINS 51
"LAMERS" a shooter of sorts "FIGHTING WARRIORS" a very good playable "SF2" rip off "SHAPES" a Tetris game
- 1043 TOTAL WAR
A brilliantly addictive computer version of the Risk board game. Up to six people can play each other or the computer opponents
- 1046 ASSASSINS 64
"OBLIVION" probably the best Defender type game on the Amiga "BREAKOUT CONSTRUCTION KIT" make your own games "DRIVE WARS" a SEUCK game
- 1382 FRUSTRATION (not 1200)
A very good text adventure with lovely flowing descriptions
- 1789 LCD DREAMS
Four old LCD games re-vamped and Amiga-ised. Very nostalgic and unbelievably playable.
- 1804 ASSASSINS 102
"FRUIT SALAD" a lovely puzzling platform game ooting playability "REBOUND" a preety good Pong "PAC SIM" an OK Pacman game
- 1815 ASSASSINS 76
"GNU CHESS" an excellent against the clock chess game with a very clearly defined board and pieces "CUBUS" a very tough challenging 3D Tetris game. Professional stuff
- 2243 ASSASSINS 1
"TANX" very funny tank combat "ROLLERPEDE" a good little blast "AMIGOIDS" the best Asteroids? "CAVERUNNER" a Boulderdash "AVATRIS" THREE player Tetris
- 2692 GP MANAGER 93
A very technical and detailed management game
- 2755 ASSASSINS 74
"CRAZY PIPE 2" a brilliant Pipe Mania type game, very addictive "BOMB JACKY" very playable "CHUTE" two player parachute fun
- 2759 ASSASSINS 79
"GRAV ATTACK" nerve racking "VEKTOR STORM" a fantastic arcade blast, full of action "ATOMS" a good multi-player
- 27 96 ASSASSINS 16
"PACMAN" great version for kids "WASTELANDS" good 3D game "DELEMMA" excellent puzzler!

SERIOUS

- 9 CATALOGUE 3
This is a fully working demo version of a very nice and easy to use database program.
- 45 NCOMM 3 (not 500)
This has got to be the best modem communications program around. So if you've got a modem then get this and get talking to other users.
- 442 POOLS TOOLS
A lovely little program that's designed to help you play the Pools.
- 1027 CREATE ADVENTURES
A pretty good little adventure game creating program. Easy-ish to use
- 1042 EASYCALC
Without doubt this is the best spread sheet program for the Amiga. It's certainly the most simple and user friendly one.
- 1272 OCTAMED V2
An excellent music sequencer which also allows you to use eight channels at the same time!
- 1344 MUSIC MANIA
A brilliant collection of music sequencers and players. It includes Protacker, Soundtracker and MED
- 1464 TEXT ENGINE V4.1
It must be the best text editor/word processor around. It's easy to use and is packed with features
- 1811 THE MONEY PROGRAM
A very friendly and useful money management program. It really can help to keep track of your spending.
- 2120 ASTRO 22
An astrologer's dream. This program will tell you the position of the planets on any given day, at any specified time.
- 2450 AMIBASE
A very good, and quite powerful database program. Ideal for keeping club records and the like.
- 2657 ELECTRO CAD 1.4
A must for electronic enthusiasts. This little gem allows you to design your own circuits with ease.

READING

- 1031 TITANIC CHEATS
This fantastic disk contains hints, tips and solutions to almost 600 games. So if you're stuck get this.
- 1516 GATORS GRAPHIC GALLERY
An excellent tutorial on how to create textures and effects with Deluxe Paint
- 1600 LITTLE TRAVELLER
An around the world information disk. Lots of info on lots of places.
- 2171 AMIGA BEGINNER
Lots of helpful information on all aspects of Amiga computing written in a very digestible form. A very helpful guide to using the CLI.
- 2926 SECOND WORLD WAR
A well presented wealth of information on the Second World War. Very informative indeed.

UTILITIES

- 124 ACTION REPLAY (1200only)
A RAM resident reset program which allows you access to the inner workings of most programs.
- 758 AMOS PRO UPDATE
Update your Amos Pro version 1 to the more error free and slighlty more powerful version 1.12
- 901 SID 2
Probably the best all round disk file mangement program available. If you *USE* your Amiga then get this.
- 1000 SPEEDY DISK (not 500)
A marvellous program that installs a semi-permanent RAM based Workbench in your computer that will pop back up after a reset
- 1100 LOCK PICK 2 (not 1200)
A special disk back-up program which can back-up a large selection of commercial software. For your own personal use only!
- 1249 GRINDER
Will convert screens saved in any format to any other format.
- 1446 SPECTRUM EMULATOR
This is version 1.7 of this amazing program which will literally turn your Amiga into a Spectrum. You can even load tape games with a good sampler plugged in
- 1766 SLICK UTILS (500 only)
A brilliant collection of utilities for A500 owners, which includes Text Engine and Diskmaster 3 plus many others. Definitely one to have.
- 1863 CLASSIC UTILITIES
An excellent well balanced collection of utilities which includes D-Copy, Last Hope, MED and Power Packer to name but a few.
- 2582 D-COPY 3.1
The best disk back-up program you can get. Very simple to use.
- 2918 RELOKICK 1.4 (1200 only)
This little gem will downgrade your Amiga A1200 to an A500, making it a bit more compatible with some older programs.

LISTEN UP

- 5 MIND WARP (1200 only)
A nice tune with nice graphic effects, a 1200 treat in fact.
- 347 TECHNO MANIA 2
Some of the hottest Techno music around, and some of the best Amiga music ever produced.
- 1119 TECHNO MANIA
The same comments as above
- 1391 JESUS ON E'S (2 disks)
(You need two disk drives to run this) Stunning Techno/Rave remix which lasts for ages and is accompanied with fast moving visuals.
- 1784 PLANET GROOVE (1200 only)
A very nice, very funky and very catchy tune with some pleasing visuals to go with it
- 2825 PROJECT TECHNO (2 disks)
A 30 minute megamix of banging beats that just never lets up.

PD Special

WHAT DO YOU THINK?
Are demos too boring? What do you think? Drop a line to us at: Amiga Format Demo Zone 30 Monmouth Street Bath, BA1 2BW



Ray World proves that random images can be effective if they are both sophisticated and original.

Steve Bradley has watched hundreds, no thousands, of PD demos, and something is really bothering him. Go on Steve, get it off your chest mate.

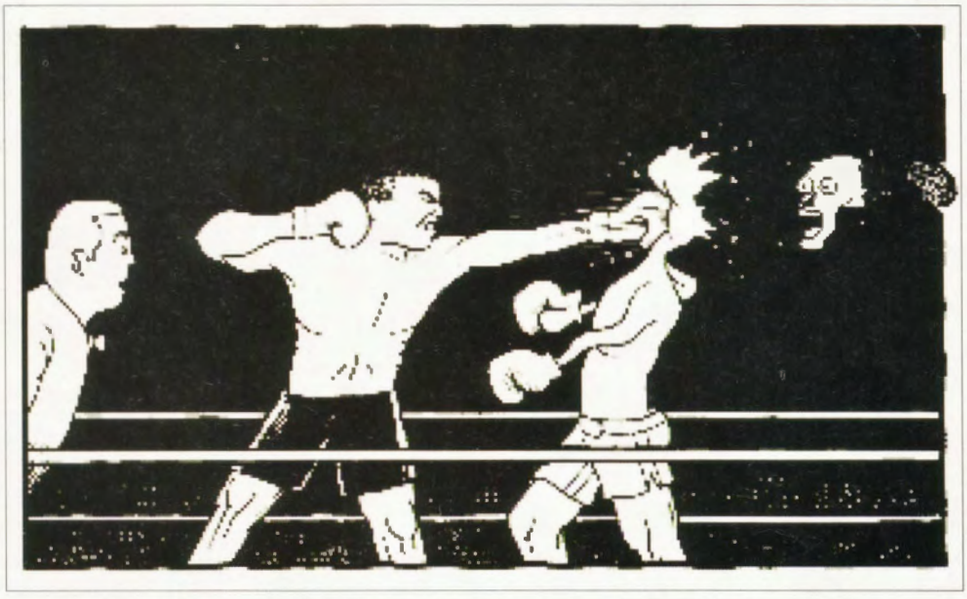
SADLY, I'VE GOT a small admission to make. Occasionally it can be a chore. Not every month you understand; and don't go getting ideas that I'm not grateful because I am. It's just that sometimes I want a little bit more, shall we say, variety, which is, we are oft told, the spice of life.

Let me enlighten you. Every month, PD libraries across the nation send in demos by the truckload to the *AF* offices and we check them out and tell you whether they are any good. That's our job, and heck, we enjoy it. Wouldn't you?

The pile can be split into three basic categories: demos – visual imagery backed by a music track; animations, and slideshows. By far the most prevalent are the demos and these usually consist of a mish mash of reasonably clever effects (dotcapes and fractals) backed by a bland rave track.



Spaceballs' follow up to *State of the Art* is a lesson in how to produce a fantastic rave demo. Funky and fun.



Simple and original, *Unpleasant Ways To Die* is an entertaining slideshow. No fancy tricks, just good humour.

Not that there is any particular theme you understand, it seems that the basic idea is to demonstrate to folk what great effects the Amiga is capable of and show your mates what a clever bloke you are. And try to win party competitions.

There are some great demos which mix and match the imagery (check out *Ray World AGA*, which has some fine robots and includes the guest appearance of a Rubik's Cube), but most are as dull as a shopping list. Simply tick off the usual effects as they appear.

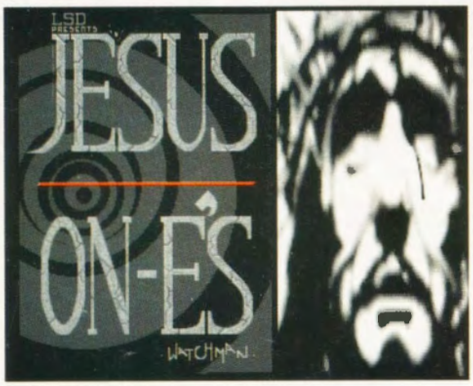
Unfortunately, this doesn't make for great repeated viewing. Few demos match the standards of *State of the Art*, *Jesus On E's* and *Nine Fingers*.

It's not only linear progression that is missing from demos, there's another ingredient which rarely makes an appearance - humour. The words 'po' and 'faced' spring to mind when you watch many demos. Images of skeletons in helmets and naked women astride enormous dragons abound.

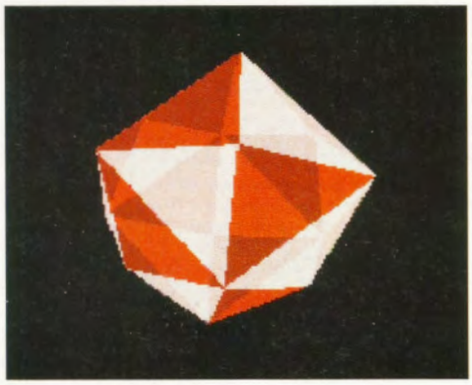
Surely it is possible to showcase the Amiga's capabilities, produce an interesting and entertaining demo and still win competitions at parties? Paul Henderson's *Suicide Man* animations are a case in point. Technically, they are not the most sophisticated of examples but they are funny. The slideshow, *Unpleasant Ways To Die* is but a simple collection of line drawings but it got more reaction in the office than a dozen demos.

Why? Because they are original. Of course, there are many poor examples of animations and slideshows but at least they traverse a wider subject matter than most demos.

So what we want is a little more innovation, a little more thought – some kind of narrative progression wouldn't go amiss either. And please, more variety.



Flashy, swirling graphics synchronised to an tremendous backing track earned *Jesus On E's* many plaudits.



Standard demo fare, *Menace* has a shopping list of effects which is as impressive as it is tedious.



Tell us a story. Make us laugh. But lay off the swirling dotscapes and Suicide Man might be tempted to live on.

SEASOFT

The Logical Choice



CLR EDUCATION

ACHORD (£3.50)
Guitar chord tutor
T.A.M.I. (£3.50)
GCSE maths tutor
NIGHT SKY (£3.50)
A must for all star gazers
WORDS & LADDERS (£3.50)
Snakes & ladders spelling game
BASICALLY AMIGA (£5.50)
Beginners reference and Amiga Dos
LETS LEARN (£3.50)
Various progs for 5-7 year olds
ALPHABET TEACH (£3.50)
Helps young kids recognise words
FAST FRET (£3.50)
Guitar scales tutor
WORK & PLAY (£3.50)
Educational program for young kids
PLAY IT SAFE (£3.50)
Teach kids about safety in the home
BIG TOP FUN (£3.30)
Help young kids with words/pictures
JIGMANIA (£3.50)
A jigsaw solving program/con. kit
CHESS TEACHER (£3.50)
Tutorial for beginners
MIND YOUR LANGUAGE
Self improvement vocabulary course
SPEED READING (£5.50)
Improve your reading skills
CHORD COACH (£3.50)
Excellent piano tutor
C.A.T.T. (£4.50)
A Tarot prediction program
FUN WITH CUBBY (£3.50)#
8 different educational games for kids
PREHISTORIC FUN PACK (£3.50)
4 excellent Dinosaur games for kids
PEG A PICTURE (£3.50)
Build your picture with coloured pegs
UNDERSTANDING AMOS (£4.50)
A must for Amos users, all about Bobs
MY LITTLE ARTIST (£4.50)#
Super colouring book for young kids
BREALLS JUNIOR (£3.50)
Simple drawing package for children
BASICALLY MEDICINE (£4.50)
Covers all aspects, first aid, drugs etc.
COMPOSITION (£3.50)
Photographic tutorial on composition
TELL THE TIME (£3.50)
A fun way to teach kids the time
PORTRAITURE (£3.50)
Photographic tutorial about portraits
CUBBY 2 (£3.50)#
Excellent package for young children
SEA SENSE (£3.50)
Seamanship tutorial – morse code etc.
ROCKET MATHS (£3.50)
Excellent childrens maths tutor

AMFC Pro

Converts files between most trackers and OctaMED & Music-X format

£10.00

OctaMED Pro V5.01b – £30.00

Latest version of this famous 8-channel music editor with new Workbench v2.1 files
(Note – requires Kickstart 2.04 or later)

OctaMED Companion – £15.99 (£1.00 p&p)
Printed tutorial & accompanying disks
Essential reading for all OctaMED V5 users

TECHNOSOUND SAMPLERS

TURBO - £22.50
TURBO 2 - £35.00
NEW LOW PRICES

AM/FM

disk magazine for the serious Amiga musician
Issue 17 out now

£2.50
(issues 1 to 16 also available send sae for complete list)

SAMPLES

17 disks packed with high quality samples

£2.50 per disk
(send sae for detailed listing of AM/FM magazine & samples disks)

TOTAL IRRELEVANCE

Issue 6 of the official MED User Group (MUG) disk magazine is now available - £2.50
Issue 5 still available - £2.50
T.I. 1993 (the best of issues 1 to 4) - £4.50

NEW – pick 'n' mix modules – NEW
Dozens of OctaMED modules produced by MED User Group members - call or write for full details
Other goodies from MUG (see PD prices below)
SAMPLES - Drum Kit (2), Bass Sounds (1), Brass & Woodwind (1)
NO SAMPLER? (2)
No need for a sampler with this collection of rippers etc.
V4/V5 MODULES
FRIENDS OF PAULA (4), BARNEY WARTS 'N' ALL (1)
MIDI TUTORIAL (1)

AMIVISION LICENCEWARE

(£4.99 each)
FORMULA ONE CHALLENGE V2
Manage your own racing team with this addictive & detailed simulation
POWER BASE V2.2
Powerful, user friendly database program
POWER PLANNER
Personal organiser with diary, address/telephone book, automatic reminders, regular events etc.

MIDICRAFT

High quality MUSIC-X and AMIGA/PC MIDI files
Call for full details

CLR ENCYCLOPEDIAS

Disk based encyclopedias covering a range of interesting subjects. Using a combination of text, diagrams, drawings & photographs, each title is entertaining as well as educational.
DINOSAURS 2 (£4.50), DINOSAURS 3 (£5.50), GEOLOGY (£4.50), SOLAR SYSTEM 1 & 2 (£5.50 each), ECOLOGY (£5,50), FRESHWATER FISHING (£4.50), YOUR FIRST PONY (£4.50), MESSERSCHMIT BF109 (£4.50), SPITFIRE (£4.50), CHEMISTRY (£4.50),BASIC LANG (£3.50),TITANIC (£4.50), DISCOVER AMERICA (£3.50), KINGS AND QUEENS (£4.50)

A-GENE V4.41

Latest version of this classic genealogical database program

£15.00

FRED FISH 1 to 975+

AMIGA PUBLIC DOMAIN & SHAREWARE

PD/SHAREWARE PRICES - PER DISK
(No. of disks shown in brackets)
1 disk - £2.00, 2 - 4 disks - £1.50, 5 - 9 disks - £1.25, 10 - 24 disks - £1.00, 25+ disks - £0.90

ASSASSINS GAMES 1 to 160+

P S D
A MEMBER OF THE PROFESSIONAL STANDARDS FOR DISTRIBUTION

CLR GAMES

TRUCKIN-ON 2 (£4.50)
(2 Drives) Run your own trucking Co.
DRAGON TILES (£3.50)
Excellent Shanghi puzzle game
MOTOR DUEL (£3.50)
3D Car racing shoot-em-up
PIC IT (£4.50)
'Catchphrase' trivia game
PARADOX (£3.50)
Excellent sliding puzzle game
SONIC SMARTIEHEAD (£3.50)
Help Sonic – Kids platform game
QUINGO (£3.50)
Pub quiz machine simulator
CRYSTAL MAZE (£3.50)
Excellent pacman style game
IMBRUIM (£3.50)
Excellent platform adventure game
JUNGLE BUNGLE (£3.50)
Text/Graphic adventure game for kids
WHITE RABBITS (£3.50)
Totally addictive, puzzle game
OGI (The Caveman) (£3.50)
Excellent platform game. A must
F1 RACER (£3.50)
Formula 1 type racing game
CRYSTAL SKULL (£3.50)
3D Dungeon Master type game
TENPIN BOWLING (£3.50)
Excellent bowling game

CLR UTILITIES

VIDEO TITLER (£3.50)
Professional touch to your videos
TYPING TUTOR (£3.50)
Complete course, structured lessons
ALPHA GRAPH (£3.50)
Comprehensive graphing program
POWER ACCOUNTS (£3.50)
Keep track of your bank account
CALC V1.3 (£3.50)
Powerful spreadsheet
SUPER SOUND V4.7 (£3.50)
Powerful sample editor
X-STITCH LITE (£3.50)
Produce cross stitch charts
INVOICE MASTER V2 (£3.50)
Create your own invoices
IMAGEBASE (£3.50)
Multimedia program (Text & Sound)
ADVENTURE TOOLKIT (£3.50)#
Text adventure creator
DRAW SELECTOR V2 (£3.50)
Pools prediction progam
FLOW CHARTER (£3.50)
Create neat flowcharts
POWER TEXT 2 (£3.50)
Excellent Word processor/spell check

ACC

HARDWARE PROGRAMMERS MANUAL
Assembly language tutorial
Disk 1 (PD) - £2.00
Disks 2 to 4 - £12.50

CD ROMS

(£1.00 P&P)
CDPD 1, 2 & 3
£19.95 each
Fish disks & lots, lots more
DEMO 1 & 2
£19.95 each
Hundreds of classic demos
17 BIT COLLECTION
£39.95
An instant P.D. library on this brilliant 2 disk collection
17 BIT CONTINUATION
£19.95
More 17 bit titles
MULTIMEDIA TOOLKIT
£19.95
pics, colour & mono clip art, fonts, samples & more
GAMES 1, 2 & 3
£19.95 each
100 PD GAMES ON EACH OF THESE CD32 COMPATIBLE ROMS

PARNET

1.8 PARNET lead with P.D. software
£12.50

AMIGA-AMIGA

null modem lead
£6.00

UTILITIES

A-BASE (1)
Excellent database program
AGENE V4,18 (1)
Demo of commercial package
AMIGA FOX V1 (1)
Desktop publishing program
ASTRO 22 V3.5 (1)
Serious astrology program
ACC 1-4 (1)
Best of Issues A.C.C. 1-4
C.MANUAL V3 (12)
Comprehensive C Manual
CHECKBOOK (1)
Keep track of your bank acc.
COMMUNICATE V1.2 (1)
Sign language program
D COPY V3 (1)
Excellent copying program
EASY CALC (1)
EASY CALC+ (DOS 2) (1)
Excellent spreadsheet
ENGINEERS TOOL KIT (1)
Diagnostic program
FREECOPY V1.8 (1)
Install games etc on your HD
FRED FISH CAT (1)
Lists all Fred Fish disk
FORMS UNLIMITED (1) & 600 BUS. LETTERS (1)
Useful business programs
GOLF RECORDER (1)
Golf database
ICON PLUS (3)
Various icons and useful utils
INSCRIPT V1.1 (1)
Video titler
KICK 1.3 (1)
Run those A500 programs
KICKSTART 2 (1)
Emulates Kickstart 2 on A500
LOCK PICK 2 (1)
Install many games on HD
MCAD V1.22 (1)
Technical drawing package
MAGNUM V1.9 (1)
Disk magazine creator
MENU MASTER 3 (1)
Create your own menus
MESSY SID 2 (1)
Amiga – PC file convertor
NCOMM V3 (1)
Powerful comms package
NORTH C (2)
C-compiler
NUMPAD (1)
Adds numeric keypad to A600
PC TASK V2 (1)
Demo of PC emulator
PROCAD ELEC. V1.3 (1)
Demo Circuit/PCB design
SID 2 (1)
comprehensive directory utility
SPECTRUM EMULATOR V1.7 (1)
Latest Spectrum Emulator
SUPERVIEWER (1)
Slideshow construction kit
TEXT ENGINE V4.1 (1)
Text editor/word processor
TEXT PLUS 3 (1)
Excellent text editor
V-MORPH V2.3 (1)
Morphing program
VIRUS CHECKER (1)
Latest VC V6.33 - a must

ASI GAMES

ASI 151 - Krillian Incident, Caffeine Free Diet, Zyard
ASI 152 - Klawz, Dictator 2, Big Willy and the Troll
ASI 153 - Exit 13, Beetle
ASI 154 - Wackman, Bobs Garden, Kaboom
ASI 155 - Megablock, Digger, Crazy Clock
ASI 156 - World Darts, Quacker, Karate Champ
ASI 157 - Fatal Mission, Strikes and Spares
ASI 158 - Scrabble, Tordo, UChess III
ASI 159 - Driving Maniacs, Smidge, Colour Change
ASI 160 - Bingo, Electrex

GAMES

18TH HOLE GOLF (2)
The only PD golf game around
AGATRON STAR TREK (2)
Game - a must for all trekkies
AMOS CRICKET (1)
Simple but fun cricket game
CARD SHARP (1)
Full of patience games
DITHELL IN SPACE (1)
Excellent platform game
DONKEY KONG (1)
Classic arcade game
EXIT 13 (1)
Excellent puzzle game
GAME TAMER v4.59 (1)
Latest tips and cheats
GUSH (1)
Pipemania style game
HIGH OCTANE (1)
Overhead driving game
HOLY GRAIL (1)
Classic text adventure game
PRO BINGO (1)
Excellent - Full house!
RETURN TO EARTH (1)
Space trading game
ROAD TO HELL (1)
2 meg overhead racing game
ROBOULDIX (1)
Boulderdash game
SCRABBLE (1)
Excellent board game
SKID MARKS (1)
Fast driving game
STAR BASE 13 (2)
Graphic adventure game
SUPER PACMAN (1)
Classic pacman game
SURVIVORS (1)
(Not A600) Space adventure
TETRIS PRO (1)
Classic game
TOTAL WAR (1)
Excellent Risk style board game
WIBBLY WORLD GIDDY (1)
Commercial quality platform game

EDUCATIONAL

AMIGA BEGINNER (1)
A must for all beginners
CLASSIC BOOKS - English literature ask for complete listing e.g. Shakespeare (12)
CODE MUNGUS V5.1 (1)
Highway code tutor
D PAINT TUTORIAL (1)
Excellent D Paint tutorial
JUNIOR MATHS (1)
Teach young children to add etc
LEARN AND PLAY (2)
Various progs for 5-10 years
STORY LAND 2 (1)
Save toyland from the witch
TC ASTRONOMY (1)
Disk based encyclopedia
TC DINOSAURS VOL 1 (1)
First of the brill TC Encyclopedias
THE LITTLE TRAVELLER (1)
Learn all about other countries
WORLD WAR II (1)
Info about the Second Wolrd War

DEMOS

242 FAIRLIGHT (1)
Stunning demo
ALCATRAZ - ODDESSY (5)
(Not A1200) Amazing demo
BAIT MASKING (1)
Eric Schwartz demo
DESERT DREAMS (2)
Mega demo from Kefrens
GET FROGGED (1)
Superb anim - singing frog
JESUS ON E'S (2)
Acid demo (2 drives)
PINK FLOYD (6) (2 drives)
Classic Mega demo - The Wall
RAGE ALCHEMY (2)
Excellent demo
REVELATIONS (1)
Quality slideshow
UNSPORTING (1)
2 Meg anim A10/Tank amusing

A1200 ONLY

A1200 INTROS (1)
4 great demo intros
ANDYS WB3 UTILITIES (1)
PP Show 3.0a, WBVerlauf etc.
ASSASSINS FIX DISK (1)
Get your old programs to run
BIOMECHANOID (1)
Techno music
CYNOSTIC SLIDESHOW (1)
Brilliant AGA slideshow
HOI AGA DEMO 2 (1)
The very first AGA Demo
HOI DEMO 2 (1)
KLONDIKE (3)
AGA patience game
K RHODES SLIDESHOW (1)
Fantasy slideshow
MANGA SLIDESHOW (4)
Famous Japanese artwork
MAGIC WORKBENCH (1)
Create dazzling backdrops
MAGIC FACTORY (2)
Excellent Star Trek slideshows
MEGABALL 3 AGA (1)
Excellent version
MIRAGE SUBLIMINAL XTC (2)
Excellent acid demo
MOTOROLA INVADERS (2)
An AGA space invaders game
NIGHTBREED VOL 1 (2) VOL 2 (2) VOL 3 (2)
Excellent AGA pictures
POINT OF SALE (1)
Stunning AGA demo
SLEEPLESS NIGHTS 3 (1)
Useful utilities Icon Master etc
SPACEBALLS 9 FINGERS (2)
Absolutely fabulous Mega
SUPER HAM PICS (6)
Excellent Ham pics
TETRIS/AGA UTILITIES (1)
Classic game and utilities
UCHESS (1)
Ultimate chess program (4 meg)
VIEWTEK V1.05 (1)
AGA picture/animation viewer
W.B.3 BACKGROUNDS (1)
Coloured backdrops for w.bench
WB3 HACKS (1)
Selection of fun hacks

ACC

AMIGA CODERS CLUB
hints, tips & source code for assembly language programmers

£3.50 per issue
(issue 32 now available)

MUSIC

GUIDE TO ELECTRONIC MUSIC (3)
Comprehensive guide (2 drives)
MED 3.21 (1)
Final version of classic editor
MIDI CRAFT - VOL 1 (1)
Demo of MUSIC-X/MIDI files
MUSIC ENGINE (1)
Multi format music player
OctaMED V2 (1)
Full functioning 8-channel editor
OctaMED V4 (1)
Non-save demo
OctaMED V5 (1)
Non-save demo
PROTRACKER 3.01B (1)
Latest version
X-BEAT PRO (1)
Drum sequencer
OCTAMED MODULES
MAKING TRAX – VOL 1 (1)
MICROCRAFT (4)
MUSICALLY CHALLENGED (1)

MEGA MOUSE

400dpi ultra high res
£14.95

MIDI INTERFACE

with leads
£22.50

THOUSANDS OF FILES OF CLIP ART (COLOURED & MONO) AND FONTS etc. ALSO AVAILABLE

ACCESSORIES

(£1.00 p&p)
PYTHON JOYSTICK – £9.99
ZIPSTICK JOYSTICK – £12.99
MOUSE MAT – £2.99
MOUSE HOLDER – £2.50
HEAD CLEANING KIT– £2.99
MONITOR COVER – £4.99
A500 DUST COVER – £2.99
A600 DUST COVER – £2.99
A1200 DUST COVER – £3.99
PRINTER STAND – £4.99
PRINTER LEAD (1.8m) – £3.99
PRINTER LEAD (5m) – £6.99
4 PLAYER ADAPTOR – £5.99
LONG JS EXTENDER – £4.99
SHORT TWIN EXTENDER – £4.99
AMIGA-SCART LEAD – £10.00

Note – Titles marked # will not work on A500 (V1.2/V1.3) machines
Unless otherwise stated all advertised titles work on A500 (1 meg), A500+, A600 & A1200 machines

Please add 50p P&P to P.D./Licenceware only (£1.50 Europe, £3.00 rest of World) or £1.00 if your order includes other items (Europe & rest of World at cost)..
Send cheques/postal orders to:

SEASOFT COMPUTING

(Dept AC), The Business Centre, First Floor, 80 Woodlands Avenue, Rustington, West Sussex BN16 3EY
or telephone

(0903) 850378

10.00am to 7.00pm Mon-Fri (to 5pm Sat) Callers by appointment please

Access VISA

DISKS & BOXES

(£1.00 p&p)
DISK BOXES
10 cap - £1.25
40 cap - £4.50
100 cap - £5.99
3.5" DISKS WITH LABELS
100% error free
DS/DD (AMIGA etc.)
10 - £5.00
50 - £22.50
100 - £42.50
DISK LABELS
100 - £1.50
500 - £6.00
1000 - £10.00
1000 T.FEED - £12.50

VIRUS FREE PD, 31 Faringdon Rd, Swindon, Wilts. Tel: 0793 432176

CLIP-ART

- ☐ ART1-2 WEDDINGS (2 disks)
- ☐ ART2-2 HOUSES (2 disks)
- ☐ ART3-3 RELIGIOUS (3 disks)
- ☐ ART4 WW1 AIRCRAFT
- ☐ ART5-2 MEN (2 disks)
- ☐ ART6-2 WOMEN (2 disks)
- ☐ ART7-2 KIDS (2 disks)
- ☐ ART8 BUSINESS
- ☐ ART9 OFFICE
- ☐ ART10 STUDENTS
- ☐ ART11 SALETIME
- ☐ ART12-3 XMAS (3 disks)
- ☐ ART13-3 PUNCH (3 disks)
- ☐ ART14 ANIMALS
- ☐ ART15 CATS
- ☐ ART16 SILHOUETTES
- ☐ ART17-2 SCHOOLS (2 disks)
- ☐ ART18 BABIES
- ☐ ART19-2 SPORT (2 disks)
- ☐ ART20 OLYMPIC
- ☐ ART21-2 MEDICAL (2 disks)
- ☐ ART22 SEA LIFE
- ☐ ART23 DECORATIVE
- ☐ ART24 WACKY
- ☐ ART25 HOLIDAYS
- ☐ ART26-2 BANNERS (2 disks)
- ☐ ART27 NOUVEAU FLOWER
- ☐ ART28 BUTTERFLIES
- ☐ ART29-2 POOD (2 disks)
- ☐ ART31-2 BORDERS (2 disks)
- ☐ ART32 MAC CLIPS
- ☐ ART33 HORNBACK
- ☐ ART34-2 TEDDY BEARS
- ☐ ART35-2 VANITY FARE
- ☐ ART36 HALLOWEEN ART
- ☐ ART37 SHOWTIME
- ☐ ART38 VEGETABLES
- ☐ ART39 FLORAL
- ☐ ART40 MYTHS
- ☐ ART41 DOG WOODCUTS
- ☐ ART42 CAT WOODCUTS
- ☐ ART43 AFRICAN
- ☐ ART44 AMERICAN
- ☐ ART45 ARTIC WOODCUTS
- ☐ ART46 FARM WOODCUTS
- ☐ ART47 MIXED ANIMAL
- ☐ ART48 BIRDS WOODCUTS
- ☐ ART49 MORE ANIMALS
- ☐ ART50 ANIMAL LINE ART

Compatible with ALL graphics and Desktop Publishing software. eg: DPaint, P-Stream, P-Setter etc

ICONS & TOOLS

- ☐ 393 ULTIMATE ICON UTILS
- ☐ 1146 ICON MAGIC
- ☐ 1888 ICON DISK 7
- ☐ 2527 ICONS FOR ALL 2
- ☐ 3848-3 ICONS PLUS KS2/3
  A three disk collection of icons for Workbench 2 or 3
- ☐ 3772 MAGIC WORKBENCH
  Transform the look of your workbench, best with a hard disk, requires kickstart 2/3
- ☐ 3887 CUSTOM ICONS KS2/3
- ☐ CD38 ICON DEVELOPMENT
- ☐ CD1343 ICONMANIA
- ☐ CD1770 ICON NIGHTMARE
- ☐ CD1857 ICONS GALORE
- ☐ CD2202 CLUMPY ICONS
  Clumpy icons!
- ☐ CDNZ20 ICONLAB & ICON+ED
  2 easy to use Icon editors

DEMO MAKERS

- ☐ 65 DEMO MAKER
  Very basic stuff
- ☐ 67 GHOST WRITER
  Perfect for sending letters to your friends, put it on disk
- ☐ 31 SPACE WRITER
- ☐ 488 DEMO MAKERS
  More demo makers
- ☐ 644 DOPE INTRO MAKER
  Simple to use
- ☐ 1422 DEMO MAKERS
  A compilation of different demo makers etc
- ☐ 1558-2 Digital DEMO MAKER
  Professional 2 disk demo maker load in IFF pictures, music, scrolly messages etc.
- ☐ 2014 RSI Demo maker DELUXE
  Another version of the RSI dm
- ☐ 2916 MAGIC DEMO MAKER
  Small simple to use demo maker
- ☐ 3360 RSI DEMO MAKER 2 MEG
  Compatible with the A1200
  Create stunning graphical & music demo's
- ☐ 3476 FAST INTRO MAKER 2
  Requires kickstart 2 or 3
  Very professional demo maker
- ☐ 3732 DEMO MAKER UTILS

WB3 DPi SOFTWARE

DPi Disks cost £3·50 each

- ☐ DP11 WORKBENCH 3
- ☐ DP12 A1200HD INSTALLER
- ☐ DP13 HARD DISK PREP
- ☐ DP14 PRINTER DRIVERS
- ☐ DP15 ENGINEERS KIT AGA
- ☐ DP16 EXTERMIN'8 AGA
- ☐ DP17 CRACK'N'COPY AGA

COMPATIBILITY!
All disks should work on all available Amiga's unless otherwise stated. "AGA" means it only works on A1200/A4000.

LATEST GAMES

- ☐ 3945 SICK BALL II
  Sickly Pong game
- ☐ 3915 PACMAN'S REVENGE
  Cheap Pacman game
- ☐ 3912 GALACTIOD
- ☐ 3911 SCORCHED TANKS
  2 player shoot 'em up
- ☐ **2810 SUPER PACMAN**
  Brilliantly smooth version of that classic
- ☐ **3897 KARATE CHAMP**
  A new karate beat 'em up
- ☐ 3898 DIGGER
  From the Arcade version
- ☐ 3899 WACK MAN
  Another Pacman clone
- ☐ 3900 KLAWZ THE CAT
  Nice looking platform game
- ☐ 3901 BLACK DAWN
  D&D game
- ☐ 3902 BAT DOG
  Fast and addictive platform game
- ☐ 3903 AMIGANOID
  Breakout but with 2 bats!
- ☐ 3904 WORLD DARTS
  Play darts the easy way
- ☐ 3905 BOB'S GARDEN
  Excellent digger's game
- ☐ 3906 BIG WILL & TROLL
  Another superb platformer
- ☐ 3907 THE BIG GAME
- ☐ 3908 CAFFEINE FREE DIET
  Very fast paced horizontal shoot 'em up. Great stuff!
- ☐ **3909 GALAXY'93**
  Superb Galaxians game.
  Very original sound FX
- ☐ 3910 CRONIC THE HODGE HEG
  A poor man's Sonic the Hedgehog game. SAD!
- ☐ 3891 DARTS GAME
  Another darts game?
- ☐ 3893 QUACKERS GAME
  Popular arcade game
- ☐ 3894 MAD FIGHTERS AGA shareware
  An AGA beat 'em up
- ☐ 3895 ICE RUNNER
  Based on the classic Loadrunner, but with totally updated graphics & sound
- ☐ **3888 MEGABALL AGA**
  A 256 colour breakout game
- ☐ 3869 PLACEBO INVADERS
  Colourful Space Invaders game
- ☐ 3870 TACHYON
  A tron clone
- ☐ 3871 MOOSE DRIVER
  Fast top view racing game
- ☐ 3873 DITHEL IN SPACE
  Cute but addictive platform/shoot 'em up
- ☐ 3874 KISS THE CANVAS
  Crappy beat 'em up game
- ☐ 3861 NOSTAGIUM
  The classic C64 Uridium is here
- ☐ 3862 PARA ATTACK
- ☐ **3858 LCD GAMES**
  4 classic LCD games
- ☐ 3852 MULTIPLEX PUZZLE
- ☐ 3829 DEPTH CHARGE GAME
- ☐ 3825 ELEVATION 2
  Addictive & annoying
- ☐ 3776 FATAL MISSION 2
  Brilliant shoot 'em up game
- ☐ 3777 OPERATION FIRESTORM
  Features fantastic graphics, great platform/shoot 'em up
- ☐ 3745 HIGH OCTANE
  Fast car racing game
- ☐ 3738 HOTBLOX
  A Tetris clone
- ☐ 3718 NUMTRIS
  See above
- ☐ 3667 INSECTOIDS 2
  Brilliant shoot 'em up
- ☐ 3668 SHANGHAI '93
- ☐ 3669 SPECCY GAMES. dms
  Over 40 classic spectrum games
- ☐ 3640-2 STARBASE 13
  A huge arcade adventure
- ☐ 3635 ROBOUDIX
  Up to date boulderdash clone
- ☐ 3622 MICRO MARKET 1·2
  Buy & sell
- ☐ 3623-2 MR MEN OLYMPICS
- ☐ 3627-2 MOTOR INV 2 AGA
- ☐ 3613-2 MENTAL IMAGE
  6 brilliant games
- ☐ 3612 KUNG FU CHARLIES
  2 player platform/beat 'em up
- ☐ **3573-2 18th HOLE GOLF**
  PD golf game. good stuff
- ☐ 3580 FIREFLY SHOOT 'EM
  Fast & furious
- ☐ 3570 RUMMY
  The card game
- ☐ 3563 ROAD TO HELL GAME
  Another good top view racer
- ☐ 3505 GIDDY
  Excellent cute platform game
- ☐ 3455 GNU CHESS KS2/3
  Intelligent chess game
- ☐ 3456 FRUIT PANIC
  Pacman clone
- ☐ 3459 BAGITMAN
- ☐ 3460 AZTEC CHALLENGE
- ☐ 3461 MEGABALL 2·1
  Fantastic breakout game
- ☐ 3462 STARIANS
  Fast shoot 'em up
- ☐ **3987 VCHESS II**
  Latest chess variant on the Amiga
- ☐ **3986 SCRABBLE**
  Based on the popular board game
- ☐ 3955 BLASTER
  Fast & furious shoot 'em up
- ☐ 3985 TEN PIN BOWLING SIM

COPIERS

- ☐ 334 LE COPIERS
- ☐ 1775 PACMAN COPIER
  Play Pacman whilst copying any disk
- ☐ 2312 HARDWARE COPIER
  Requires the Xcopy dongle to work
- ☐ 2315 ASI DISK COPIERS
  Large collection of copiers
- ☐ 3075 MECAD FILE COPIER
- ☐ 2175 UNI COPY
- ☐ 2334 FLASH COPY V0·9
- ☐ 2333 SUPER DUPER V2·1
  Very fast disk copier
- ☐ 2934 FREE COPY 1·8
- ☐ 3576 DCOPY 3·1
  Very powerful disk duplicator. Supports up to 4 drives. Various copy modes included
- ☐ 3550 SAFE II
  Can copy PC disks as well as Amiga. Copies most disks in less than 40 secs.
- ☐ 659 TETRA COPY
- ☐ 2605 THE NIB V2·0

A12000/A4000

- ☐ 3096-10 BADBOYZ AGA I
  A collection of 10 disks with graphics converted from the PC
- ☐ 3175 UCHESS AGA 4MEG
  Impressive AGA chess game it requires 4 MEG of RAM to run
- ☐ 3209 WB3 RAINBOW
  Puts a fancy rainbow effect behind your dull workbench screen
- ☐ 3211-5 WEIRD SCIENCE
  Exceptional quality graphics. Various subjects, Animals etc
- ☐ 3216-9 JPEG AGA IMAGES
  Nine disks of stunning graphics
- ☐ 3225-6 SUPER HAM PIX
- ☐ 3286 HOI AGA MEGA DEMO
  Contains an amazing AGA fade routine
- ☐ 3287-3 A1200 UTILITIES
  Includes Virus killers, Datatypes, Copiers, etc.
- ☐ 3355 NEW WB3 VIRUS KILLERS
  Up to date collection of Virus killers
- ☐ 3356 A1200 DEGRADERS
  Degrade your Amiga down to an A500
- ☐ 3403 MORE WB3 HACKS
- ☐ 3405 WINBLENDER
- ☐ 3418 NFA A1200 UTILS
  Collection of tools for the A1200
- ☐ 3419-2 FIT CHICKS
- ☐ 3422 RETINA BURN RAVE DEMO
- ☐ 3423-2 NIGHT BREED PIX
- ☐ 3425 FREAKS BODYSHOP
- ☐ 3428 ANDYS WB3 UTILITY THE BEST
  Huge range of different tools for the A1200/A4000
- ☐ 3429 PLASMA CLOUDS 256
- ☐ 3432 ACTION REPLAY IV
  A freezer cartridge on disk. IT WORKS
- ☐ 3436 JPEG UTILITIES
- ☐ 3465-2 SPECCY EMULATOR
  Run spectrum software on the Amiga
- ☐ 3500 HD MEM (Req MMU)
  Use your hard disk as memory
- ☐ 3501 HOIS 2 MEGADEMO
- ☐ 3530 QUICK GRAB AGA etc
- ☐ 3556 PANTA RHEI AGA
  Short but sweet demo
- ☐ 3554 PC TASK 2·03
  Use VGA pc software on your A1200
- ☐ 3610 LYAPUNOVIA AGA
  Stunning space generator
- ☐ 3620-2 BODYSHOP 4
- ☐ 3627-2 MOTOROLA INVADERS 2
  Amazing AGA Space Invaders game with an amazing 1MEG soundtrack
- ☐ 3678 CHROMAGIC MUSIC
- ☐ 3687 TMAP DEMO
  Interactive 3D maze...256 colours
- ☐ 3693 MANDELMANIA 4 AGA
  Fractal generator
- ☐ 3789-2 BODY SHOP 5 AGA
- ☐ 3795 XANADU AGA
  Good mega demo
- ☐ 3796-2 FIT CHICKS 3 AGA
- ☐ 3798-2 FIT CHICKS 2 AGA
- ☐ 3802 EMPTY HEAD AGA
  Smart new megademo
- ☐ 4001 FRENCH DEMO
- ☐ 3888 MEGA BALL AGA
  Stunning new AGA version of Break-Out. WOW!
- ☐ 3800 VIEWTEK 2·0
  Latest AGA picture viewer
- ☐ 3751 FERRARI AGA SLIDES
  Stunning pictures of cars
- ☐ 3697-2 ASI AGA FIX DISKS
  Get rid of those horrid compatibility problems. Allows you to run most old A500 games on the A1200/A4000
- ☐ 4005-3 KLONDIKE AGA
  Stunning 256 colour card game
- ☐ 3822 MAND 2000 DEMO
  Mandlebrot generator
- ☐ 3828 AGA VOLCANO
- ☐ 3831-2 CHANNEL Z MAGAZINES
- ☐ 3833-4 MANGA AGA PICTURES
  Heaps of Japanese Manga pictures
- ☐ 3838-2 COMPLEX ORIGIN
  Unreal introduction to an Amazing Mega demo. Loads of raytraced planet scenes. Brilliant!
- ☐ 3843-2 STAR TREK PICTURES
  Impressive AGA Star Trek Slides
- ☐ 3853 IT SMELLS LIKE CHANEL NO. 5
  Amazing new A1200 Megademo
- ☐ 3981 AGA DATATYPES
  Including JPeg, PCX 1&2, BMP, ILBM, Mac and loads more

>>NEW TITLES ADDED DAILY<<
>>ask for our AGA list when ordering<<

EDUCATIONAL

- ☐ 601-5 EDUCATION
- ☐ 3240 FIREWORK ALPHABET
- ☐ 3072 MATHS REFLEX TEST
- ☐ 3065 DIVISION V1·1
- ☐ 2931 MATHS CALCULATOR
- ☐ 2913 HOORAY FOR HENRY
- ☐ 2914 SPELLBOUND
- ☐ 2915 BOOK OF SPELLS
- ☐ 1420 LEARN & PLAY 1
- ☐ 2016 MATH TALK 1·3
- ☐ 2065 ALGEBRA II
- ☐ 2068 MATHS WIZARD 1·3
- ☐ 2135 STORYLAND 2
- ☐ 2303 KIDS PAINT
- ☐ 3946-2 BACK TO SCHOOL
- ☐ 3885-2 KIDS DISK 3 & 4
- ☐ 3770 JUNIOR MATHS SW
- ☐ 3560 KIDS DISK 2
- ☐ 1548 TALKING COLOURING BOOK
- ☐ CD2392 KIDS PAINT BOX
- ☐ CD2070 GAS TURBINE
- ☐ CD2071 PETROL ENGINE
- ☐ CD2072 STEAM ENGINE
- ☐ CD2204 FRACTIONS
- ☐ CD2226 PICTURES & LETTERS
- ☐ CD2262 WORLD WAR 2
- ☐ DC2373 WORLD GEOGRAPHY
- ☐ CD2417 STEAM ENGINE
- ☐ CD2418 2-STROKE PETROL ENGINE
- ☐ CD2451 THE LITTLE TRAVELLER
  Covers different countries, cultures, currencies
- ☐ CD2478 HOW THE EARTH BEGAN
- ☐ CD2479 NURSERY RHYMES
  Popular nursery rhymes in karaoke format which the kids can sing along to
- ☐ CD2523 MATHS ADVENTURE
  Good educational adventure game where you have to solve puzzles to progress.
  Ages 8+
- ☐ CD2533 STERLING ENGINE
- ☐ CD2676 COMMUNICATE
  If you want to learn sign language then look no further than this brilliant disk
- ☐ CD2772-2 THE ATOM
  An excellent educational package explaining the complete workings of the atom. Full colour pictures, animations, text, etc.

MUSIC DEMOS

- ☐ 1096-3 AMAZING TUNES 2
  (not A500+/A1200)
- ☐ 2630-2 TEF "GIGAMIX"
- ☐ 2736-4 A-Z OF C64 TUNES
- ☐ 2748 INTENSE RAVE VISION
- ☐ 2792 CUBIK TECHNO
- ☐ 2793 PARADISE TECHNO
- ☐ 2799 MUSEUM 92
- ☐ 2890 RON RAVE DEMO
- ☐ 2930 SKETCH A TUNE
- ☐ 3093-2 SOUNDS OF SCIENCE
- ☐ 3114-2 2 UNLIMITED
  "GET READY" (51 minutes long)
- ☐ 3395 INTERACTIVE DANCE TRASH
- ☐ 3396 SANITY JESTERDAY
- ☐ 3397 GLOBAL CHAOS
- +3398 BLACK ENERGY
- +3400 COMPLEX DELIRIUM
- +3401 PIECE O MIND
- +3402 POINT BREAK
- +3600 "VIRTUAL DREAMS"
  Over 20megs of graphics

VIDEO TITLING

- ☐ 654-2 VIDEO APPLICATIONS A 2 disk set of various tools for video titling
- ☐ 656 TV GRAPHICS
  A set of IFF backdrops for use in Scala etc
- ☐ 2698 VIDEO EDITORS KIT
  A huge collection of different tools for video editing etc
- ☐ 2986 VIDEO WIPES
  a set of different video wipes
- ☐ 2989 CAPTIONATOR perfect for doing dub-titles etc
- ☐ 3080 VIDEO TITLER
  Possibly the best video PD titler available
- ☐ 3856 TITLER 2 LO-RES
  Excellent video titling software
- ☐ 3857 TITLER 2 HI-RES
- ☐ 3821 DTV STUFF A collection of various video titling tools

TETRIS GAMES

Whats TETRIS? Well it's a very addictive "Arcade Puzzle game"
Different shaped blocks fall from the top of the screen and you simply have to fit them into each other at the bottom of the screen. It sounds simple, and is to begin with. You and your family will find it hard to stop playing. As you can see from the list below. It's popular!

- ☐ TET001 TETREN
  Possibly the most varied version of tetris available
- ☐ TET002 SUPER TWINTRIS
  2 Player version. Brilliant
- ☐ TET003 TRITRIS 3 player version
- ☐ TET004 CLI-TRIS No it's not dirty!
- ☐ TET005 DIGITAL TETRIS
  Excellent quality. Brilliant graphics and music
- ☐ TET006 A1200 TETRIS
  Very colourful AGA version of Tetris
- ☐ TET007 TETRIS PRO
  Very professional
- ☐ TET008 GAMEBOY TETRIS
  Based on the Gameboy Tetris
- ☐ TET009 LETTRIX
  Fit in the letters
- ☐ TET010 KLAKTRIS
- ☐ TET011 DIZZY DIAMONDS
  Colourful variation
- ☐ TET012 AMIGA COLUMNS
  Based on Segas version
- ☐ TET014 SHAPES Fit in the shapes
- ☐ TET015 TETRIX
- ☐ TET016 TETRIS METALICA
- ☐ TET017 AVATRIS
- ☐ TET018 D-TRIS 2 PLAYER
- ☐ TET019 TETRIS 2
- ☐ TET020 SUPER BLOCKOUT
- ☐ TET021 WELLTRIS A 3D version
- ☐ TET022 DR MARIO 2 player, great!
- ☐ TET023 COLOURS
- ☐ TET024 CUBUS
- ☐ TET025 Workbench TETRIS'S A collection of loads of small tetris games for workbench.
- ☐ TET026 THE LAST TETRIS. NOT!
- ☐ TET027 SQUIGGS
- ☐ TET028 T-TRIS (MASSIVE)
  This Tetris game is the worlds largest. It's 3 screens tall
- ☐ TET030 HOT BLOX
- ☐ TET031 NUMTRIS
- ☐ TET032 TETRA COPY
  Copy a disk whilst playing tetris
- ☐ TET033 TETRON
- ☐ TET034 SYZYGY great stuff!
- ☐ TET035 ZYNX

A FEW TOOLS

- ☐ 4002 PARNET link up between 2 Amigas or PC's with this popular networking title
- ☐ 3916 SPEEDBENCH 2.1
  Loads up in seconds
- ☐ 3917-12 SAMPLES
  Twelve disks of great samples
- ☐ 3928 MUSIC BASE V1.1
  Sort out your video/music collection
- ☐ 3882 EASY SLIDE. Worlds easiest to use slideshow maker
- ☐ 3877 PAY ADVICE Analyser 4
- ☐ 3878 TRONI-CAD 1.36
  Electronic board designer
- ☐ 3879 X-PASSWORDS
  Stop people looking at your hard disk. Put a password on it.
- ☐ 3854 PARNET HELP
- ☐ 3826 PARBENCH
  Networking software for use via workbench
- ☐ 3706-4 SB PROLOG
- ☐ 3689 COMPUGRAPHIC FONTS
- ☐ 3637 PRO UTILITIES 1
  A collection of professional tools
- ☐ 3593 DISK SALVE 2 KS2/3 Recover damaged or corrupt files. Very easy to use
- ☐ 3594 LEMMINGS 2 HD PATCH
  Put Lemmings 2 on your hard disk
- ☐ 3578 PRINT A CARD V2
  Business card maker
- ☐ 3523-3 AMATEUR RADIO
  A collection of tools for all ham radio freaks
- ☐ 3330-4 KING JAMES BIBLE
  The Bible on computer!
- ☐ 3311 FILE-O-PAX Keep track of your life
- ☐ 3298 GRAMMAR CHECKER
  Check your grammar, works with all ASCII text
- ☐ 3121 NUMPAD for A600
  Lets you use DPaint III properly as well as numerous flight sims
- ☐ 0659 ESSENTIAL UTILITIES
  Collection of various tools
- ☐ 2906 DESKTOP PUBLISHER
  Create stunning documents etc
- ☐ 1078 ESSENTIAL UTILITIES 2
  Includes copiers, crunchers, Virus killers, etc etc

EMULATORS

- ☐ 1772 A64 EMULATOR V2.0
- ☐ 2997 A500 +IBM EMULATOR
- ☐ 3837 BBC EMULATOR
  A BBC Emulator?
- ☐ 4008-3 SPECCY EMULATOR
- ☐ 3554 PC TASK 2·03
  Run PCXT software on the Amiga
- ☐ 3495 KICKSTART 3 EM
  Only works on A500+/A600
- ☐ 2001 PC EM
- ☐ 2879 ATARI ST EM KS2
  An Atari ST emulator for A500+
- ☐ 3159-2 QL EMULATOR
- ☐ 2897 KICKSTART 2 EM
  for A500's
- ☐ 3057 KICKSTART 1·3
  A way of making more old games run on the A1200/A4000
- ☐ DOS PC DOS DISK for use with any PC Emulator. £3.50

PRINTER Drivers

- ☐ 3033 DYNAMITE PRINTER DRIVER
  Over 100 printer drivers on one disk including, HP500/500c, HP550 HP Laserjets, Star Printers, Canon, Seikosha, Epson, Amstrad etc
- ☐ PDWB( ) WITH ( ) DRIVER
  We'll install a driver on the version of Workbench you request, and send a full working copy with driver installed, ready to use...
  All for just £5.00 + P+P

FONTS

Fonts! Fonts! Fonts!
**IFF & Clip fonts for use in Deluxe Paint*
**Bitmap fonts can be used in D-Paint, Penpal, Wordworth, Kindwords etc*
**Compugraphic & Adobe fonts are okay with Page Stream, Pro-Page, Wordworth and more.*

Call us for font compatibility information

- ☐ 89 COLOUR CLIPFONTS
- ☐ 153 IFF FONT PICS 1
- ☐ 364 PONT AND FONT UTILS
- ☐ 442 BITMAP FONTS 1
- ☐ 653 BITMAP FONTS 2
- ☐ 887 IFF FONTS 1
- ☐ 937 IFF FONTS 2
- ☐ 1502 HEADLINE FONTS
  Large Bitmap fonts (OK for Scala)
- ☐ 1582 BITMAP FONTS
- ☐ 1715 RSI DEMO-MAKER FONTS
- ☐ 1721 EXILE IFF FONTS
- ☐ 2058 RSI FONT EDITOR
- ☐ 2139-6 AMIGA BITMAP PONTS
- ☐ 2145 IFF FONTS AND LOGOS
- ☐ 2146 HEFTY BITMAP PONTS 1
- ☐ 2320 FONT FARM
- ☐ 2449 GELIGNITE CLIP FONTS
- ☐ 2529 IFF FONTS
- ☐ 2569-3 BITMAP FONTS
- ☐ 2603 GELIGNITE CLIP FONTS 3
- ☐ 2975-4 COSMOPOLITAN PONTS
- ☐ 2987 MINI BITMAP FONTS II
- ☐ 3007-5 COLOUR DP FONTS
- ☐ 3013-2 BITMAP FONTS
- ☐ 3030 COLOUR CLIP FONTS
- ☐ 3031 GELIGNITE IFF FONTS 2
  More superb colour fonts
- ☐ 3063 FONT VIEWER 1·2
- ☐ 3391-2 ADOBE FONTS
  For P-Stream, Pro-Page etc
- ☐ 3393 CG FONTS
- ☐ 3430 RUSSIAN ADOBE FONTS
- ☐ 3528 POST + PS PONTS
- ☐ 3533 FONT FARM 3
  Over 50 Bitmap fonts
- ☐ 3689 COMPUGRAPHIC PONTS
- ☐ 3691 POSTSCRIPT PONTS
- ☐ 3734-2 IFF PICTURE FONTS
- ☐ 3736-2 FONTS & TEXTURES
- ☐ 3804-10 COLOUR TEXT FONTS
- ☐ 3960-10 PAGESTREAM FONTS 1-10
  Over 100 top quality fonts
- ☐ 3970-3 COMPUGRAPHIC FONTS 1-3
  Three disks of fonts CG fonts

A FEW FOR KIDS

- ☐ 3946-2 BACK TO SCHOOL
  Six games for ages 4-6
- ☐ 3913 PD PAINT
- ☐ 3905 BOBS GARDEN
- ☐ 3699 ANIMAL LAND 1
- ☐ 3623-2 MR MEN OLYMPICS
  Very polished Decathlon game for children
- ☐ 3505 GIDDY
- ☐ 3046 MARIOS WONDERLAND
  A fast paced arcade platform bounce n jump game

Priority Order Form (AF)

☐ 1234-3 = 3 Disks

Name _____

Address _____

_____

Tel: _____

Amiga model _____

Payment method _____

Credit Card No. _____

Exp _____

Total disks ordered _____ Total price: £ _____ +50p P&P

PD Prices per disk

1 single disk £3.00 2-5 disks £2.00 each
6-10 disks £1.75 each 11-20 disks £1.50 each
+ Postage & Packing in the UK. Add 50p to any order

Ordering by Post
Simply send us a written order with a list of the disks you require, enclosing full payment, or simply tick the boxes of the titles you require, fill in your name & address, remove or photocopy this page and send it to:
VIRUS FREE PD, 31 Faringdon Rd. Swindon, Wilts.
Make cheques or postal orders payable to VIRUS FREE.

Collecting Disks
PD disks can be collected same day, but if your order is quite large, please phone in a few hours previous to pickup.

Ordering by Phone
To place an order over the phone simply call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the disks you would like to order.
(Orders can usually be placed up to 7pm every evening.)

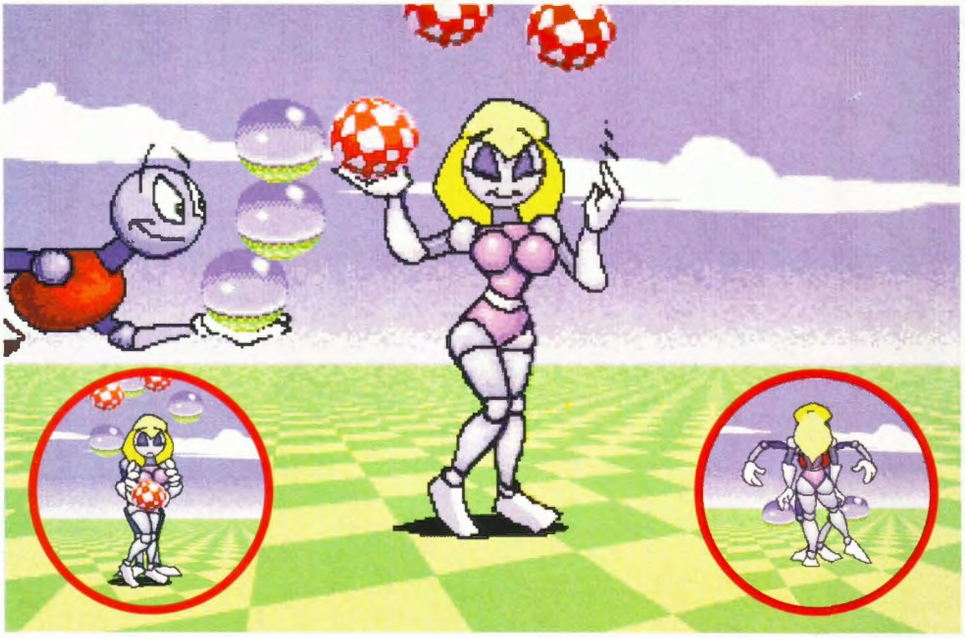
Overseas Orders
Overseas orders are welcome, but please add 25p for each disk ordered, a minimum of 5 disks applies.

PD Demo Zone

Every month we are inundated with hundreds of PD demos which we gather together and put on Stephen Bradley's desk. A few days later young Bradley emerges from behind the pile of disks to bring you this: the definitive guide to the best of the PD demo scene...

SOMEONE FROM FRANKIE Goes to Hollywood once said: "Welcome to the Demo Zone". Or something like that. So welcome.

Kicking off this month is an animation from that doyen of the Amiga anim scene, Eric Schwartz. **Juggette 3 – Balls of Wrath** (Roberta Smith DTP, ES126) tells the tale of a female juggler with certain, ahem, assets, shall we say, other than her ability to keep balls in the air. OK, she's got large breasts and some chap comes along, feels 'em and gets a knee in the groin for his troubles. It's very short (it loops) and not his best anim, but if you're a Schwartz fan, you'll get it anyway. And, as the protagonist says, it's a cartoon. And you can do anything in a cartoon.



When some dork feels he can join the keepy uppy, in *Juggette 3 – Balls of Wrath* it's nice and kneesy does it. Ouch!



Yes, *Bodyshop*, but not Anita Roddick, just a woman in a rather fancy swimsuit. Makes you think of summer eh?

If you like to keep abreast of the **Bodyshop** series, versions six and seven (both AGA and from Telescan) are now out. The scant costume dramas show less of the female form than many demos knocking around – there are even a few famous faces to identify. Good quality, but for aficionados.

You've seen the series, gasped at the athletic ability – and that's only the presenters, now look at some tiny pictures of the cast in **Gladiators AGA** (Telescan). Hurrah! I'm not sure what the point is, and there must be few out there who want to look at a picture of John Fashanu clutching a microphone. Give it the elbow.

Few demo titles are so succinct but this demo from SCALA is called **Not Again** (AGA only, Cynostic, D0590). It's the way I often feel when ploughing through the month's releases. Fortunately, it's a tad misleading, for *Not Again* is rather more interesting than most.

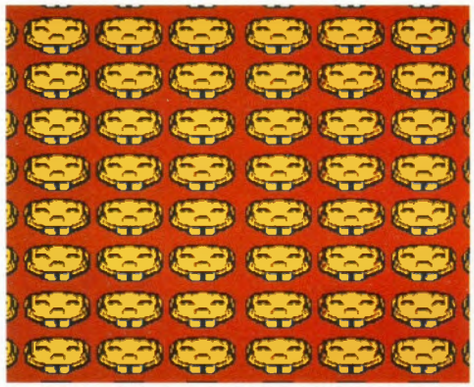
The backing track has more than a hint of Jean Michel Jarre, though whether that's a good thing I'll leave you to decide, but it makes a pleasant change from the usual technotronic beat, and at times it's visually resplendent – particularly when the ducks make an appearance. No use of the words 'techno' or 'radical' and there's not a dotscape in sight. Hurrah!

Polychrome (Cynostic, D0591) is a collection of six music tracks which closely resemble the incidental music on those films you really wish you hadn't bothered renting from the video shop. There is nothing to look at and the best that can be said of *Polychrome* is that it makes riveting frog noises between tracks. Oh, and that it would be really cool name for your girlfriend.

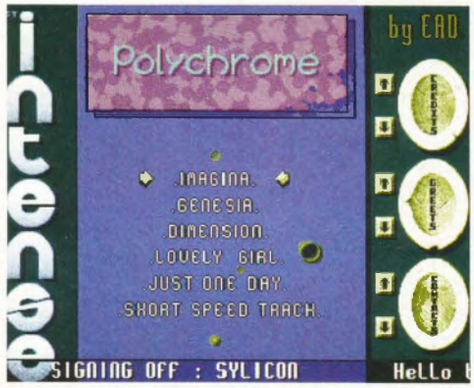
Speeding across the sky like a supersonic rocket spaceship-type thing comes **Snake Rider AGA** (Sensational Software, demo). The doors of the mothership open and out shoots the rather fetching craft, flying across terrain that resembles



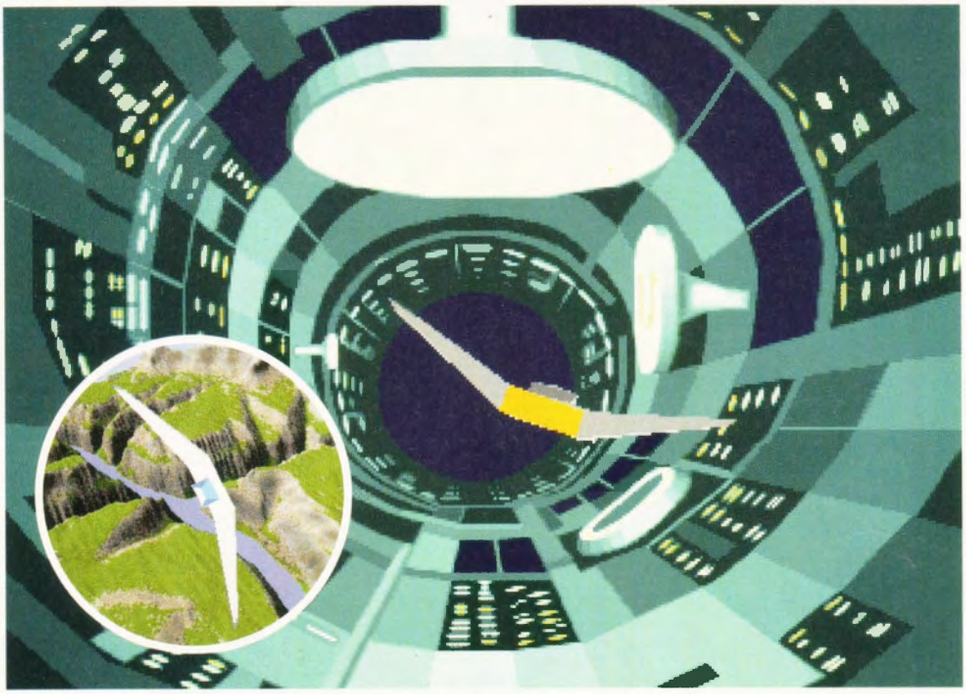
Ulrika introduces *Gladiators* in front of a giant domino but John Fashanu will elbow his way into shot shortly.



***Not Again* is the title. Judging by the expression on the faces, it's the mood of the moment as well. Cheer up!**



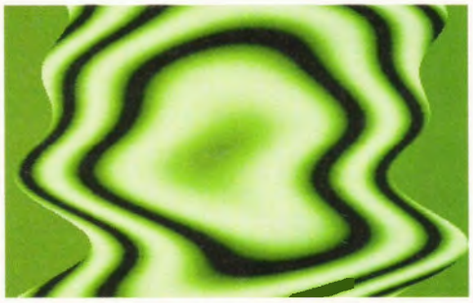
Inspirational is not a word one would use to describe Graham Taylor, or the music demo *Polychrome*.



It's not easy keeping up with *Skywalkers* next door but *Snake Rider* is as pleasant as a sandblasted frontage.



Planet Groove is the place where worlds from far away go to dance of a Friday night. That's what I was told.

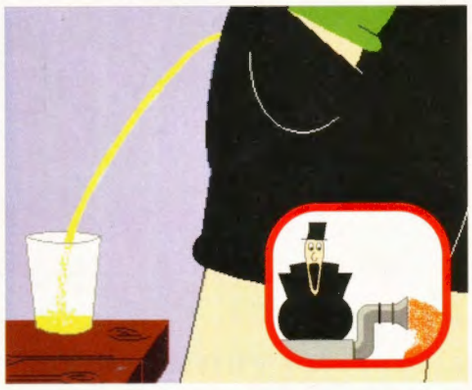


Well, what can you say about *Agatha*? It looks as if someone from *Scooby Doo* is about to have a dream.

hitherto unexplored parts of Wales. And it looks great. Although it's short and the backing track is worse than dire (no, not Strai... oh forget it!), *Snake Rider* looks superb and if you're interested in spacecraft and unexplored bits of rural Wales, it's a fine choice.

Well here's a fair Paul Danielsian box of tricks and no mistake. And hey, who wants (or needs) linear progression when you can look at a whole mishmash of effects, especially when they're done this well? **Eradication AGA** (Cynostic, D0593) suffers from a dreadful soundtrack but the dot tunnels and 3D cubes make up for it. Yeh, we've seen it before but it's rarely done this well.

Silly Anims (Lazer PD) are indeed very silly. In fact, most of them are so totally obscure as to warrant serious semiological analysis. So here goes. It's crap, but the one where the bloke wees into his mate's glass and he thinks it's lemonade is quite tremendous. Drinks it too, he does. Ha ha.



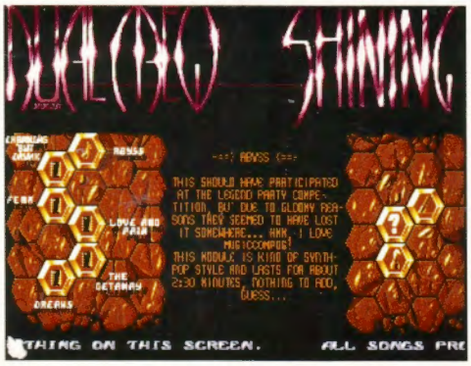
If you've ever drunk lemonade in Cumberland, or seen *Silly Anims* you will recognise the colour. Mmm, tasty.

Explicit II (Sensational Software, AGA demo) starts slowly (usual vector business), but has a fairly decent ray-traced rotation section. If you liked *Grease*, I'm not sure you'll like the music.

'The world's first true AGA demo', announces the credits. The intro to **Planet Groove** (Lazer PD, AGA demo) opens impressively – similar to the old *Wonderful World of Disney* series with the fireworks. No Mickey Mouse production this, though. Split into acts, *Planet Groove* is quite spectacular in parts, repetitive in others but, overall, a worthy project.



Any minute now one feels that Yosamity Sam might make an impromptu appearance in *Explicit II*. But no.



Chromagic is not the ground-breaking batch of synth pop tunes the world is waiting for, more's the pity.

Chromagic AGA (Sensational Software) is a music demo – a collection of dull synth pop tunes which have no further part to play in this month's Demo Zone. Shame on you. Now shoo!

This one probably does not refer to ace crime novelist Christie, more's the pity. Probably something to do with chips. Anyway, **Agatha** it is (Sensational Software, AGA demo), and you'd be hard pressed to detect anything of anything other than fleeting interest here.

The little grey cells are struggling with the backing track, for sure. But there are one or two nice effects, and the use of colour is excellent, for about five seconds, anyway. It's very short though and if you like lager, drink some now. It takes away the pain, apparently.

TOP 10 DEMOS

Every month, we peruse the bestseller lists of a prominent PD company. This month, it's the turn of:

CHOICE SOFTWARE IN SHEFFIELD

1. Nine Fingers, Spaceballs D468
2. Full Moon AGA, Virtual Dreams D476
3. We Shave, Razor 1911 D524
4. Arte, Sanity D462
5. A1200 POS. D439
6. Origin AGA, Complex D461
7. Rayworld AGA, Deform D473
8. Rave Nation M128
9. Revelations Slideshow D509
10. Baywatch Erika Slideshow AGA D523

WHERE TO GET THE DISKS IN THIS ISSUE

CYNOSTIC PD, Office 01, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry CV6 7NB, 0203 681687.

SENSATIONAL SOFTWARE, 30 Housefield Crescent, East Herringthorpe, Rotherham, South Yorks S65 3PZ.

ROBERTA SMITH DTP, 190 Falloden Way, Hampstead Gdn Suburb, London NW11 6JE, 081-455 1626.

TELESCAN COMPUTER SERVICES, PO Box 1, Thornton-Cleveleys, Lancs FY5 1SH, 0253 829292.

LAZER PD, 21 Tavistock Road, Launceston, Cornwall PL15 9HF, 0566 775164.

Ameagre Prices for Amiga Users

Games

10 INTELLIGENT STRATEGY GAMES	23.95
1869 (1MB)	23.95
3D CONSTRUCTION KIT 2 (1MB)	39.95
3D POOL	8.75
4TH & INCHES	8.75
688 ATTACK SUB	11.75
A-TRAIN (1MB)	15.15
A-TRAIN CONSTRUCTION SET	12.95
ABANDONED PLACES 2 (1MB NOT1200)	27.95
ADDAMS FAMILY	8.75
ADVENTURERS	20.95
AFTER BURNER	6.96
AIR BUCKS V1.2 (1MB)	23.95
AIR FORCE COMMANDER (1MB)	23.95
AIR SUPPLY	6.96
AKIRA	22.60
ALFRED CHICKEN	20.95
ALIEN 3 (1MB)	20.95
ALIEN BREED - SPECIAL EDITION (1MB)	9.60
ALIEN BREED 2 (1MB)	21.95
ALLO ALLO	19.95
AMBERMOON (1MB)	27.95
AMBERSTAR V2.0 (1MB)	20.95
AMOS - CRAFT EXPANSION	20.95
AMOS PROFESSIONAL (1MB)	20.95
AMOS PROFESSIONAL COMPILER (1MB)	27.95
ANCIENT ART OF WAR IN THE SKIES (1MB)	27.95
ANIMATION CLASSICS (1MB)	35.99
ANIMHILATOR	19.95
ANOTHER WORLD (1MB)	12.95
APOCALYPSE	20.95
ARABIAN NIGHTS (1MB)	20.95
ARCADE FRUIT MACHINE	6.96
ARCADE POOL (1MB)	8.75
ARKANOID II - REVENGE OF DOH	6.96
ARMOUR GEDDON 2	23.95
ARNIE 2	8.75
ARSENAL - THE COMPUTER GAME	20.95
ASHES OF EMPIRE (1MB)	14.45
ASSASSIN SPECIAL EDITION (1MB)	9.95
ATAC (1MB)	27.95
AWARD WINNERS (COMP)	20.95
AWARD WINNERS 2 (COMP)	23.95
AXEL'S MAGIC HAMMER	6.96
B-17 FLYING FORTRESS (1MB)	27.95
BARBARIAN II (BUDGET)	6.96
BARDS TALE 3	9.60
BATMAN - THE MOVIE	6.96
BATMAN RETURNS	12.95
BATTLE CHESS	9.60
BATTLE ISLE '93	20.95
BATTLE OF BRITAIN - THEIR FINEST HOUR (1MB)	24.95
BATTLE TOADS	20.95
BATTLEHAWKS 1942 (NOT+)	12.95
BEACH VOLLEY (NOT1200) (NOT+)	6.96
BEASTLORD	20.95
BEAVERS	20.95
BENEATH A STEEL SKY	27.95
BENEFACTOR	20.95
BIG NOSE THE CAVEMAN	6.96
BILLS TOMATO GAME	23.95
BIRDS OF PREY (1MB)	12.95
BITMAP BROTHERS - VOLUME 1 (NOT600)	20.95
BLACK CRYPT	10.95
BLADE OF DESTINY (1MB)	31.95
BLASTAR (1MB)	20.95
BLOB (1MB)	20.95
BLUE ANGELS	8.75
BOBS BAD DAY (1MB)	20.95
BODY BLOWS (1MB)	21.95
BODY BLOWS GALACTIC (1MB)	21.95
BOROBODUR	4.95
BRIAN THE LION	23.95
BRUTAL SPORTS FOOTBALL	20.95
BUBBA 'N' STIX	20.95
BUBBLE BOBBLE (NOT1200) (NOT600)	6.96
BUBBLE DIZZY	6.96
BUDOKAN	11.75
BULLYS SPORTING DARTS (1MB)	8.75
BUMPER QUAD PACK	12.95
BURNING RUBBER (1MB)	20.95
CABAL	6.96
CADAVER + THE PAYOFF	12.95
CAESAR DELUXE (1MB)	23.95
CALIFORNIA GAMES II	8.75
CAMPAIGN	27.95
CAMPAIGN 2 (1MB)	27.95
CAMPAIGN MISSION DISKS	13.45
CANNON FODDER	23.95
CAPTAIN DYNAMO	6.96
CARDIAXX	8.75
CARRIER COMMAND (NOT1200)	8.75
CARTOON - DOUBLE PACK	14.90
CARTOON COLLECTION	19.95
CASTLES (1MB)	23.95
CASTLES - N. CAMPAIGN DATA DISK	12.95
CENTURION	9.60
CHAMPIONSHIP MANAGER '93 (1MB)	20.95
CHAMPIONSHIP MANAGER '94 SEASON DISK	8.75
CHAMPIONSHIP MANAGER COMPENDIUM (1MB)	22.60
CHAMPIONSHIP MANAGER ITALIA (1MB)	20.95
CHAOS ENGINE (1MB)	20.95
CHASE HQ	6.96
CHASE HQ II	8.75
CHESS CHAMPION 2175	16.85
CHUCK ROCK	8.75
CHUCK ROCK 2 - SON OF CHUCK (1MB)	20.95
CIVILIZATION (1MB)	27.95
CLIFFHANGER	23.95
COHORT 2	23.95
COLOSSUS BRIDGE 4	20.95
COMBAT AIR PATROL (1MB)	23.95
COMBAT CLASSICS (1MB)	23.95
COMBAT CLASSICS 2	23.95
CONFLICT KOREA (1MB)	27.95
CONQUEROR	6.96
CONTRAPTIONS	12.95
COOL SPOT	23.95
CORPORATION	8.75
COSMIC SPACEHEAD	20.95
COUNT DUCKULA	6.96
COUNT DUCKULA 2	6.96
CRAZY 1	6.96
CREATURES (1MB)	8.75
CREEPERS	20.95
CROSSBOW - THE LEGEND OF TELL (1MB)	6.96
CRUISE FOR A CORPSE	12.95
CRYSTAL KINGDOM DIZZY	8.75
CURSE OF ENCHANTIA (1MB)	27.95
CYBERCON III	10.95
CYBERPUNKS	20.95
CYBERSPACE (1MB)	27.95
D-DAY (1MB)	23.95
DALEK ATTACK	8.75
DEEP CORE	20.95
DELUXE MUSIC CONSTRUCTION SET 2 (1MB)	71.95
DELUXE PAINT IV	71.95
DEMOMANIAC	20.95
DENNIS	20.95
DENNIS & GNASHER	16.85
DESERT STRIKE	23.95
DETROIT	27.95
DINOSAUR DET. AGENCY	14.45
DISPOSABLE HERO	20.95
DIZZY COLLECTION	16.95
DIZZY PANIC	6.96
DIZZY'S EXCELLENT ADVENTURES	16.95
DOG FIGHT (1MB)	27.95
DONALD'S ALPHABET CHASE	20.95
DONK	21.95
DRACULA (1MB)	23.95
DRAGONS LAIR III - THE CURSE OF MORDREAD (NOT1200)	23.95
DREADNOUGHTS	30.95
DREADNOUGHTS - BISMARCK	14.95
DREADNOUGHTS - IRONCLADS	14.95
DREAMLANDS (COMP)	23.95
DREAMWEB (1MB)	27.95
DRILLER	6.96
DUNE II (1MB)	24.95
EASY AMOS (1MB)	27.95
EDD THE DUCK 2	6.96
ELFMANIA (1MB)	20.95
ELITE II - FRONTIER	23.95
ERIK	6.96
ESCAPE FROM PLANET OF ROBOT MONSTERS	6.96
ESPANA - THE GAMES '92 (1MB NOT1200)	23.95
EURO FOOTBALL CHAMP	20.95
EUROPEAN CHAMPIONS	20.95
EVASIVE ACTION - DUEL FOR THE SKY	23.95
EXCELLENT GAMES	27.95
EYE OF THE BEHOLDER I (1MB)	14.45
EYE OF THE BEHOLDER II (1MB)	29.00
F-15 STRIKE EAGLE II	14.45
F-16 COMBAT PILOT (NOT1200)	8.75
F-19 STEALTH FIGHTER (1MB NOT600)	14.45
F-29 RETALIATOR (NOT1200)	10.95
F1 (DOMARK)	20.95
F117A STEALTH FIGHTER (1MB)	27.95
F17 CHALLENGE (1MB)	10.95
FACE OFF - ICE HOCKEY (NOT1200)	8.75
FALCON	8.75
FALCON - COUNTERSTRIKE DATA DISK	8.75
FALCON - FIREFIGHT DATA DISK	8.75
FANTASTIC DIZZY	20.95
FANTASY WORLD DIZZY	6.96
FASCINATION	23.95
FATAL STROKES	23.95
FATMAN	20.95
FINAL FIGHT	8.75
FIRE AND BRIMSTONE (1MB)	8.75
FIRE AND ICE	20.95
FIRE HAWK	16.85
FIRST DIVISION MANAGER (NOT600)	6.96
FLASHBACK (1MB)	24.95
FLIGHT OF THE INTRUDER (NOT+)	8.75
FLIMBO'S QUEST (NOT+)	8.75
FLY HARDER	8.75
FOOTBALL MANAGER 3	20.95
FORMULA 1 GRAND PRIX (1MB)	27.95
FURY OF THE FURRIES	23.95
FUTURE WARS (NOT1200)	10.95
G2	20.95
GADGET LOST IN TIME	12.95
GALACTIC WARRIOR RATS	8.75
GAUNTLET II	8.96
GEAR WORKS	16.85
GENESIA	23.95
GHOSTBUSTERS 2 (NOT+)	6.96
GHOULS 'N' GHOSTS (NOT600)	6.96
GLOBAL DOMINATION	27.95
GLOBAL GLADIATORS (1MB)	20.95
GLOBDULE	23.95
GO FOR GOLD	8.75
GOAL (1MB)	16.85
GOBLIINS	20.95
GOBLIINS 2 (1MB)	23.95
GOBLINS 3	27.95
GOOFY'S RAILWAY EXPRESS	20.95
GRAHAM GOOCH - SECOND INNINGS	15.15
GRAHAM GOOCH WORLD CLASS CRICKET (1MB)	23.95
GRAHAM TAYLOR'S SOCCER (1MB)	8.75
GRANDSLAM CLASSICS	19.80
GULP	23.95
GUNBOAT	10.95
GUNSHIP	10.95
GUNSHIP 2000 (1MB)	27.95
HANNA BARBARA'S ANIMATION WORKSHOP	39.95
HARD DRIVIN' 2	8.75
HARD NOVA	8.75
HARDBALL	8.75
HARPOON - BATTLE SET 3	12.95
HARPOON - BATTLE SET 4	12.95
HARPOON - EDITOR	16.85

Please note

NOT+ means software is not compatible with the 500 Plus, 600 or 1200



HARPOON V1.2.1 (1MB)	27.95
HARRIER ASSAULT (1MB)	27.95
HEAD OVER HEELS	6.96
HEIMDALL (1MB NOT1200)	27.95
HEIMDALL 2 (1MB)	23.95
HEROES OF THE LANCE (NOT1200) (NOT600)	6.96
HEROQUEST	8.75
HEROQUEST 2 - LEGACY OF SORASIL	20.95
HIGH STEEL	6.96
HILL STREET BLUES	8.75
HIRED GUNS	27.95
HISTORY LINE (1914-1918) (1MB)	27.95
HOOK	8.75
HOYLES BOOK OF GAMES - VOL 1	10.95
HOYLES BOOK OF GAMES - VOL 2	10.95
HUCKLEBERRY HOUND	8.75
IK+	6.96
IMPOSSIBLE MISSION 2 (NOT+)	6.96
INDIANA JONES & FATE ATL. (ACT) (1MB)	20.95
INDIANA JONES & FATE ATL. (ADV) (1MB)	30.70
INDIANA JONES & L. CRUSADE (ADV)	12.95
INDIANAPOLIS 500	10.95
INNOCENT UNTIL CAUGHT	30.70
INTER OFFICE	39.95
INTERNATIONAL 5 A SIDE	6.96
INTERNATIONAL GOLF	0.96
INTERNATIONAL RUGBY CHALLENGE (1MB)	20.95
INTERNATIONAL SOCCER	8.75
INTERNATIONAL SOCCER CHALLENGE	8.75
ISHAR - LEGEND OF THE FORTRESS (NOT600)	23.95
ISHAR 2 (1MB)	23.95
ITALY 1990	6.96
IVANHOE	6.96
JACK NICKLAUS GOLF	6.96
JAGUAR XJ220 (1MB)	8.75
JAMES POND	6.96
JAWS	6.96
JET STRIKE	20.95
JIMMY WHITE'S WHIRLWIND SNOOKER	12.95
JOE & MAC - CAVEMAN NINJA (1MB)	20.95
JOHN BARNES EURO FOOTBALL	8.75
JOHN MADDEN'S FOOTBALL	10.95
JURASSIC PARK (1MB)	20.95
KICK OFF II (FINAL WHISTLE) (NOT+)	11.75
KICK OFF II (GIANTS OF EUROPE) (NOT+)	6.96
KICK OFF II (RETURN TO EUROPE) (NOT+)	6.96
KID PIX (NOT1200)	20.95
KIDS RULE OK	12.95
KILLING MACHINE	6.96
KIND WORDS 3 (1MB)	45.95
KING'S TABLE - RAGNAROK	23.95
KINGDOMS OF GERMANY	23.95
KINGMAKER	29.00
KINGS QUEST 1	12.95
KINGS QUEST 2	10.95
KINGS QUEST 6	27.95
KNIGHTS OF THE SKY (1MB)	14.45
KRUSTYS SUPER FUN HOUSE	20.95
KWIK SNAX	6.96
LASER SQUAD	8.75
LAST ACTION HERO	23.95
LAST NINJA II (NOT+)	6.96
LAST NINJA III	8.75
LED STORM	6.96
LEEDS UNITED CHAMPIONS (1MB)	20.95
LEGEND OF KYRANDIA (1MB NOT1200)	29.00
LEGENDS	23.95
LEISURE SUIT LARRY 1	12.95
LEISURE SUIT LARRY 2	12.95
LEMMINGS (ORIGINAL)	20.95
LEMMINGS 2 (1MB NOT1500)	23.95
LEMMINGS DOUBLE PACK	23.95
LEMMINGS LEVELS (STAND ALONE)	12.95
LEMMINGS XMAS LEVELS (STAND ALONE)	12.95
LETHAL WEAPON (1MB)	8.75
LIBERATION - CAPTIVE 2 (1.3MB)	23.95
LINKS	14.45
LIONHEART (1MB)	22.60
LITTLE PUFF (NOT+)	6.96
LIVERPOOL FOOTBALL	20.95
LOMBARD RAC RALLY	6.96
LOOM	12.95
LORDS OF CHAOS	8.75
LORDS OF POWER (COMP) (1MB)	27.95
LOST VIKINGS	23.95
LOTUS ESPRIT TURBO CHALLENGE	8.75
LOTUS TURBO CHALLENGE II	8.75
LOTUS TURBO TRILOGY (1MB NOT1200)	23.95
M1 TANK PLATOON (1MB)	12.95
MAELSTROM	27.95
MAGIC BOY	20.95
MAGICIANS CASTLE	23.95
MAGICLAND DIZZY	6.96
MANCHESTER UNITED	8.75
MANCHESTER UNITED - PREMIER LEAGUE	23.95
MANCHESTER UNITED EUROPE	8.75
MANIAC MANSION	11.75
MARIO IS MISSING (1MB)	23.95
MAVIS BEACON 2 (GERMAN)	23.95
MAVIS BEACON TEACHES TYPING V.2 (1MB)	23.95
MCDONALD LAND	20.95
MEAN 18	8.75
MEAN ARENAS	20.95
MEGA TWINS	8.75
MERCS	8.75
MICKEY'S 123'S	16.95
MICKEY'S ABC'S	16.95
MICKEY'S JIGSAW PUZZLES	16.95
MICKEY'S MEMORY CHALLENGE	16.95
MICKEY'S RUNAWAY ZOO	20.95
MICRO MACHINES	20.95
MICROPROSE GOLF (1MB)	27.95
MICROPROSE SOCCER	6.96
MIDWINTER	10.95
MIDWINTER II (1MB)	14.45
MIG 29 FULCRUM (1MB)	16.95
MINI OFFICE (1MB)	49.95
MOONWALKER (NOT+)	6.96
MORPH (1MB NOT1200)	20.95
MORTAL KOMBAT (1MB)	23.95
MR NUTZ	20.95
MURDER (NOT+)	8.75
MYTH	8.75
NAPOLEONICS	27.95
NARCO POLICE (NOT1200)	6.96
NASCAR CHALLENGE	12.95
NAUGHTY ONES	20.95
NEW ZEALAND STORY (NOT+)	6.96
NICK FALDOS CHAMPIONSHIP GOLF (1MB)	27.95
NICKY 2	23.95
NIGEL MANSELL'S WORLD CHAMPIONSHIP (1MB)	23.95
NIGHT SHIFT	10.95
NINJA REMIX	8.75
NIPPON SAFES INC	23.95
NODDY'S BIG ADVENTURE	16.95
NODDYS PLAYTIME (1MB)	16.95
NORTH & SOUTH	6.96
OMAR SHARIF'S BRIDGE (1MB)	27.95
ON THE BALL	23.95
ONE STEP BEYOND	16.95
OPERATION HARRIER	8.75
OPERATION STEALTH	12.95
OPERATION THUNDERBOLT	6.96
ORIENTAL GAMES	8.75
OSCAR	20.95
OUTLANDER	24.95
OUTRUN	6.96
OUTRUN EUROPA	8.75
OVERDRIVE (1MB)	21.95
PANG (NOT600)	6.96
PANZA KICK BOXING	8.75
PARASOL STARS	8.75
PEN PAL	48.95
PERFECT GENERAL (1MB)	27.95
PERMELION	23.95
PGA TOUR GOLF - COURSES DISK	12.95
PICTIONARY	6.96
PINBALL DREAMS	20.95
PINBALL DREAMS/PINBALL FANTASIES	27.95
PINBALL FANTASIES (1MB)	23.95
PINBALL MAGIC	8.75
PIRATES	11.75
PIT FIGHTER	6.96
PIXIE & DIXIE	8.75
PLAYDAYS	16.95
PLAYROOM	20.95
POLICE QUEST 1	14.45
POPEYE 2	6.96
POPEYE 3	8.75
POPULOUS II PLUS (1 MEG)	27.95
POPULOUS/PROMISED LANDS	11.75
POSTMAN PAT	6.96
POSTMAN PAT 3	6.96
POWERDRIFT	6.96
POWERMONGER PLUS DATA DISK	12.95
PREMIER DIVISION	8.75
PREMIER MANAGER 2	20.95
PREMIERE	8.75
PRIME MOVER	23.95
PRINCE OF PERSIA	6.96
PRINCE OF THE YOLKFOLK	6.96
PRO TENNIS TOUR 1 (NOT+)	6.96
PROJECT X (1MB)	10.95
PUGGSY	23.95
PUSH-OVER	8.75
PUTTY (SILLY)	8.75
QUATTRO POWER MACHINES (COMP)	6.96
QUEST FOR GLORY 1	14.45
QUEST OF AGRAVAIN	6.96
QWAK (1MB)	10.95
R-TYPE I	6.96
R.B.I. BASEBALL 2 (NOT+)	6.96
RAILROAD TYCOON (1MB)	14.45
RAINBOW ISLANDS	6.96
RAVE	39.95
REACH FOR THE SKIES	24.95
RED HEAT	6.96
RENEGADE	6.96
RICK DANGEROUS I	6.96
RICK DANGEROUS II	8.75
RISKY WOODS	10.95
ROAD RASH	20.95
ROADBLASTERS	6.96
ROBIN HOOD	10.95
ROBIN HOOD - LEGEND QUEST	6.96
ROBINSON'S REQUIEM	23.95
ROBOCOD (NOT1200)	8.75
ROBOCOP I	6.96
ROBOCOP II	6.96
ROBOCOP III	10.95
RODLAND	8.75
ROME (AD 92) (1MB)	23.95
ROOKIES (1MB)	20.95
RULES OF ENGAGEMENT 2 (1MB)	27.95
RVF HONDA	8.75
S.U.B.	23.95
SANTA'S XMAS CAPER	8.75
SAVAGE	8.75
SCRABBLE	22.60
SECOND SAMURAI	22.95
SECRET OF MONKEY ISLAND (1MB)	14.45
SECRET OF MONKEY ISLAND II (1MB)	30.70
SEEK AND DESTROY	16.85
SENSIBLE SOCCER 92/93	20.95
SETTLERS (1MB)	27.95
SEYMOUR GOES TO HOLLYWOOD	6.96
SHADOW DANCER	8.75
SHADOW OF THE BEAST	8.75
SHADOW WARRIORS	6.96
SHADOWLANDS	8.75
SHADOWORLDS (1MB)	20.95
SILENT SERVICE II	14.45
SIM ANT	12.95
SIM CITY DELUXE	23.95
SIM CITY/LEMMINGS	23.95
SIM CITY/POPULOUS	23.95
SIM EARTH (1MB)	15.15
SIM LIFE (1.5MB)	27.95
SIMON THE SORCERER (1MB)	27.95
SIMPSONS	8.75
SIMPSONS : BART VS THE WORLD	20.95
SKIDMARKS (1MB)	20.95
SKIDZ	6.96
SLEEPWALKER (1MB)	24.95
SLICKS	6.96
SLIGHTLY MAGIC	6.96
SLY SPY	6.96
SMASH TV	6.96
SNAPPERAZZI	16.85
SOCCER KID	23.95
SOCCER PINBALL	6.96
SOCCER STARS (COMP)	20.95
SOOTY & SWEEP	6.96
SOOTYS FUN WITH NUMBERS	16.85
SOUP TREK	23.95
SPACE CRUSADE	8.75
SPACE HULK	27.95
SPACE LEGENDS (1MB)	23.95
SPACE QUEST 1	14.45
SPECIAL FORCES (1MB)	16.85
SPEEDBALL 2	8.75
SPELLBOUND DIZZY	6.96
SPIKE IN TRANSYLVANIA	6.96
SPORT TOP 10	20.95
SPORTS MASTERS (COMP)	23.95
ST DRAGON	6.96
STAR LORD (1MB)	27.95
STARDUST (1MB)	14.45
STARGLIDER II	8.75
STEG THE SLUG	6.96
STREET FIGHTER (NOT+)	8.75
STREET FIGHTER 2 (1MB)	12.95
STRIDER	6.96
STRIDER 2	8.75
STRIKE FLEET	11.75
STRIKER	8.75
STUNT CAR RACER (NOT600) (NOT1200)	6.96
SUBURBAN COMMANDO	19.95
SUMMER CAMP	8.75
SUPAPLEX	6.96
SUPER ALL STARS	20.95
SUPER FROG (1MB)	21.95
SUPER LEAGUE MANAGER	20.95
SUPER MONACO G.P.	8.75
SUPER SEGA (COMP)	23.95
SUPER SEYMOUR SAVES THE WORLD	6.96
SUPER SIM PACK (COMP) (NOT1200)	14.95
SUPER SPACE INVADERS	8.75
SUPERCARS II (NOT1200)	8.75
SUPERHERO (1MB)	23.95
SWITCHBLADE I	6.96
SWITCHBLADE II	8.75
SWIV	8.75
SYNDICATE (1MB)	27.95
TACTICAL MANAGER - ENGLISH	23.95
TACTICAL MANAGER - ITALIAN	23.95
TACTICAL MANAGER - SCOTTISH	23.95
TEAM 17 COLLECTION - VOLUME 1 (1MB)	23.95
TEAM SUZUKI	6.96
TENNIS CUP 2	8.75
TERMINATOR 2 - COIN OP	23.95
TERMINATOR II	6.96
TEST DRIVE II	6.96
THE BLUE AND THE GREY	27.95
THE CYCLES	8.75
THE GREATEST (COMP) (1MB)	26.70
THE IMMORTAL	16.95
THE MUNSTERS	6.96
THE PATRICIAN (1MB)	26.70
THEATRE OF DEATH	23.95
THOMAS FUN WITH WORDS (NOT1200)	16.85
THOMAS THE TANK ENGINE	6.96
THOMAS'S BIG RACE	10.95
THUNDERHAWK	8.75
TOKI	8.75
TORNADO	27.95
TORVAK THE WARRIOR	8.75
TOTAL CARNAGE	22.60
TOYOTA CELICA	6.96
TRACKSUIT MANAGER	6.96
TRANSARCTICA (1MB)	20.95
TREASURE ISLAND DIZZY	4.45
TREBLE CHAMPIONS 2	17.65
TRIPLE ACTION PACK VOL.5	10.95
TRIVIAL PURSUIT	6.96
TROLLS (1MB)	20.95
TURRICAN	6.96
TURRICAN III	20.95
TUSKER	6.96
TWILIGHT 2000	27.95
URIDIUM 2	20.95
UTOPIA	8.75
VALHALLA (1MB)	23.95
VIDEO KID	8.75
WALKER (1MB)	23.95
WAR IN THE GULF (1MB)	23.95
WARZONE	8.75
WHALES VOYAGE	23.95
WHEN TWO WORLDS WAR	27.95
WING COMMANDER I (1MB)	12.95
WINTER CAMP	8.75
WINTER GOLD	12.95
WINTER OLYMPICS	26.70
WINTER SUPERSPORTS	8.75
WIZ 'N' LIZ	23.95
WIZKID (1MB)	10.95
WOLFCHILD	8.75
WONDER DOG	20.95
WOODYS WORLD	20.95
WORKS TEAM RALLY	6.96
WORLD CLASS LEADERBOARD	8.75
WORLD CLASS RUGBY	12.95
WORLD OF SOCCER	16.85
WORLDS OF LEGEND	20.95
WWF EUROPEAN RAMPAGE (1MB)	8.75
WWF WRESTLEMANIA	8.75
X-OUT	6.96
XENON II	8.75
YO JOE	20.95
Z-OUT	6.96
ZAK MCKRACKEN	10.95
ZOOL (1MB)	20.95
ZOOL 2 (1MB)	20.95

PRICE LIST on a disk!

only £1

- *List of all software & accessories*
- *Cheats for hundreds of games*
- *Various public domain games*

(1Megabyte or more required)

Dust Covers

AMIGA 500 OR 500+	3.65
AMIGA 600	3.65
AMIGA 1200	3.95
CD32	3.95
STAR LC10 SERIES PRINTER	7.65
STAR LC24 SERIES PRINTER	6.99
MONITOR	6.99

Printer Ribbons

STAR LC10/20/100 BLACK (LC9)	4.50
STAR LC10/20/100 COLOUR (LC9CL)	6.80
STAR LC200 BLACK (ZX9)	6.25
STAR LC200 COLOUR (ZX9CL)	12.30
STAR LC24 SERIES BLACK (Z24)	6.50
STAR LC24 SERIES COLOUR (X24CL)	13.75

CD32 TITLES

7 GATES OF JAMBALA	20.95
ALFRED CHICKEN	20.95
ALIEN BREED - SPECIAL EDITION/QWAK	19.95
ALIEN BREED 2	23.95
BEAVERS	20.95
CASTLES 2	23.95
CHAMBERS OF SHAOLIN	20.95
CHAOS ENGINE	19.95
D-GENERATION	20.95
DANGEROUS STREETS	23.95
DEEP CORE	20.95
DENNIS	20.95
FIRE FORCE	23.95
HEREWITH THE OLUES	23.95
JURASSIC PARK	23.95
LABYRINTH OF TIME	23.50
LIBERATION - CAPTIVE 2	27.95
LOTUS TURBO TRILOGY	23.95
MEAN ARENAS	23.95
MICROCOSM	42.95
MORPH	23.95
NICK FALDOS CHAMPIONSHIP GOLF	27.95
NIGEL MANSELL'S WORLD CHAMPIONSHIP	23.95
ON THE BALL	27.95
OVERKILL/LUNAR-C	23.95
PINBALL FANTASIES	26.70
PIRATES GOLD	23.95
PROJECT X/F17 CHALLENGE	19.95
ROBOCOD	23.95
RYDER CUP	23.95
SEEK AND DESTROY	20.95
SENSIBLE SOCCER 92/93	19.95
TOTAL CARNAGE	26.70
TRIVIAL PURSUIT	23.95
TROLLS	23.95
ULTIMATE BODY BLOWS	23.95
URIDIUM 2	16.95
WHALES VOYAGE	23.95
ZOOL	23.95

1200 Titles

1869	23.95
AIR BUCKS V1.2	27.95
ALFRED CHICKEN	20.95
ALIEN BREED 2	23.95
BODY BLOWS GALACTIC	23.95
BURNING RUBBER	20.95
CASTLES 2	27.95
CHAOS ENGINE	20.95
CIVILIZATION	31.95
D-GENERATION	16.85
DELUXE PAINT IV AGA	79.95
DENNIS	22.60
DIGGERS	27.95
FATMAN	20.95
ISHAR - LEGEND OF THE FORTRESS	23.95
ISHAR 2	23.95
JURASSIC PARK	22.60
KINGS QUEST 6	27.95
LIBERATION - CAPTIVE 2	23.95
MORPH	20.95
MR NUTZ	22.60
NIGEL MANSELL'S WORLD CHAMPIONSHIP	23.95
OSCAR	20.95
OVERKILL	16.85
PINBALL FANTASIES	23.95
ROBOCOD	8.75
RYDER CUP	20.95
SABRE TEAM	23.95
SECOND SAMURAI	23.95
SIM LIFE	27.95
SIMON THE SORCERER	31.95
SLEEPWALKER	24.95
SOCCER KID	23.95
STAR TREK (25TH ANIV.)	27.95
TFX	27.95
TRANSARCTICA	23.95
TROLLS	8.75
WHALES VOYAGE	23.95
WIZ 'N' LIZ	31.95
ZOOL	20.95
ZOOL 2	20.95

Hint Books

EYE OF THE BEHOLDER I	9.99
EYE OF THE BEHOLDER II	9.99
INDIANA JONES & FATE ATL. (ADV)	9.99
LOOM	7.99
MANIAC MANSION	7.99
SECRET OF MONKEY ISLAND	9.99
SECRET OF MONKEY ISLAND II	9.99
ZAK MCKRACKEN	7.99

Fast-response Mailorder
10am–10pm 7 days a week
No credit card surcharges
Always a person–never an answerphone!

VISA MasterCard EUROCARD

Games Centre
10am–8pm Monday to Friday
10am–4pm Saturday
2 minutes from Old St. Tube station, take exit 2

Hardware

A500 Expansion upgrade with clock	0.5Mb	27.95
A500 Expansion upgrade without clock	0.5Mb	24.95
A500plus RAM upgrade	1Mb	56.95
A600 Expansion upgrade with clock	1Mb	51.95
Parallel port extension cable		6.80
Parallel printer cable (5m)		9.99
Roboshift (Auto mouse/joystick switch)		14.75
Zi-Fi Stereo Speakers		37.95

3.5" Disks
any quantity supplied

Miscellaneous

4-Player adaptor	6.96
Head Cleaner (3.5")	3.75
Mouse	14.75
Mouse House	2.95
Mouse Mat	2.95
Mouse/Joystick extension cable (3m)	4.95
Null modem cable (5m)	13.99
SCART cable	9.49

Qty	DSDD	DSHD
10	5.30	7.80
20	10.35	15.35
25	12.65	18.25
30	14.75	21.80
35	16.90	25.20
40	18.95	28.60
45	21.10	32.10
50	22.95	34.40
80	36.35	52.30
100	39.95	61.90
120	49.40	72.40
150	60.95	90.25
200	78.75	115.75
250	97.30	143.30
300	116.30	170.75
400	154.50	221.70
500	184.65	269.65

ALL OUR DISKS ARE FULLY GUARANTEED WITH LABELS

Educational

ADI ENGLISH (11-12)	20.95
ADI ENGLISH (12-13)	20.95
ADI ENGLISH (13-14)	20.95
ADI ENGLISH (14-15)	20.95
ADI FRENCH (11-12)	20.95
ADI FRENCH (12-13)	20.95
ADI FRENCH (13-14)	20.95
ADI FRENCH (14-15)	20.95
ADI JUNIOR COUNTING (4-5)	16.85
ADI JUNIOR COUNTING (6-7)	16.85
ADI JUNIOR READING (4-5)	16.85
ADI JUNIOR READING (6-7)	16.85
ADI MATHS (11-12)	20.95
ADI MATHS (12-13)	20.95
ADI MATHS (13-14)	20.95
ADI MATHS (14-15)	20.95
ANSWER BACK JUNIOR QUIZ (6-11)	17.95
ANSWER BACK SENIOR QUIZ (12-AD)	17.95
BETTER MATHS (12-16)	18.60
BETTER SPELLING (8-ADULT)	18.60
CAVE MAZE	12.95
FRACTION GOBLINS	12.95
FRENCH MISTRESS	17.95
FUN SCHOOL 2 (6-8)	6.96
FUN SCHOOL 2 (OVER 8)	6.96
FUN SCHOOL 2 (UNDER 6)	6.96
FUN SCHOOL 4 (5-7)	19.95
FUN SCHOOL 4 (7-11)	19.95
FUN SCHOOL 4 (UNDER 5'S)	19.95
FUN SCHOOL MATHS (7-11) MERLIN	20.95
FUN SCHOOL SPELLING (7-AD)	20.95
GERMAN MASTER	17.95
ITALIAN TUTOR	17.95
JUNIOR TYPIST (5-10)	14.45
MAGIC MATHS (4-8)	18.60
MATHS ADVENTURE (6-14)	22.95
MATHS DRAGONS	12.95
MATHS MANIA (8-12)	18.60
MEGA MATHS (A LEVEL)	21.50
MICRO ENGLISH (8-GCSE)	21.50
MICRO FRENCH (BEGINNERS-GCSE)	21.50
MICRO GERMAN (Beg-GCSE-Business)	21.50
MICRO MATHS (11-GCSE)	21.50
MICRO SCIENCE (8-GCSE)	21.50
MICRO SPANISH	21.50
PAINT AND CREATE (OVER 5'S)	20.95
PICTURE FRACTIONS	12.95
PRIMARY MATHS COURSE (3-12)	21.50
READING WRITING COURSE (3-8)	21.50
REASONING WITH TROLLS	12.95
ROBIN HOOD (LEISURELAND)	18.60
SCROOGE (A CHRISTMAS CAROL)	18.60
SPANISH TUTOR	17.95
THE THREE BEARS (5-10)	18.60
TIDY THE HOUSE	12.95
TIME FLIES	12.95
WIND IN THE WILLOWS	18.60
WIZARD OF OZ	18.60

Disk Boxes

10	Slimpack	0.94
40		4.95
50		5.60
80		6.30
80	Stackable	12.95
100		6.80
110	Stackable	13.95
120		8.75



Joysticks

Amiga Analogue Adaptor (use any PC analogue joystick)	5.95
Python 1 (QS130F)	9.25
Python 1M (QS137F)	9.75
Maverick 1 (QS128F)	13.75
Maverick 1M (QS138F)	13.75
Starfighter 1 Pad	7.95
125+	9.00
Mach 1	11.75
Bug (Green or black)	13.50
Competition Pro 5000	13.75
Speedking Analogue	13.50
Speedking A/F	11.00
Navigator	13.75
Cruiser Turbo	12.75
Megastar A/F (SV133)	22.00
Mega Stick II (MX120) multi-system	9.99
Top Star	21.50
Star Probe	13.50
Supercharger	9.00
Freewheel Digital	27.00
Freewheel Analogue	36.00
Gravis Game Pad	23.95
Quickjoy 1Turbo (SV121)	7.95


Competition Pro 5000


Maverick 1


Python 1M


The Bug

Workstations

500 & 500+	42.95
600	37.95
1200	47.95

(Workstations include mouse mat, mouse house and dust cover)



DataGEM

has supplied computer hardware and software to tens of thousands of satisfied customers since 1987

Amiga Atari PC Sega

Trust us to have all you need

071 608 0624
Fax: 071 608 0688

DataGEM Ltd

Cheques and Postal Orders

Department AF, 23 Pitfield St, London N1 6HB

Orders against cheques with valid guarantee card numbers will be despatched immediately, otherwise upon cheque clearance.

All prices include UK postage and VAT and are effective until 24th April 1994

On overseas orders, postage is charged at cost. New titles will be sent as released and are subject to manufacturers' price reviews. All orders taken subject to our standard terms and conditions. E.&O.E.

ARTWORKS CLIP ART

Original images for the computer. NOT public domain

Each disk contains between 115 and 270 original, high resolution, high quality images for use with Amiga art, desk top publishing and video programs - Deluxe Paint , Photon Paint, Pagesetter, Pro Page, Pagestream, Wordworth, Penpal, Scala etc.

1. Pets 2. Castles, cottages and churches 3. Trees 4. Signs and symbols
5. Wild animals 6. Prehistoric life 7. Signs and symbols 2
8. Weddings and family occasions 9. Fishing and freshwater life
10. Signs and symbols 3 11. Christmas 12. Frames and borders
13. Sport 14. Frames and borders 2



£7.99 each - 3 or more £7 each - Over 2100 images for only £98 - Inclusive of 1st class P&P.

Please make cheques/PO's payable to ARTWORKS
(Dept AmF) Pondside, Wootton, Ulceby, S.Humberside. DN39 6SF

EUROCARD Access ☎ 0469 588138 MasterCard VISA

VIDEO CAMERA - "Best Buy" CU AMIGA - awarded ★★★★★
AMIGA FORMAT - 85% AMIGA SHOPPER - "All are high quality... a bargain"

NATIONAL CURRICULUM*

Reach the top with .....

LCL Self-Tuition Courses



PASS GCSE THE QUICK, EASY WAY

Totally comprehensive courses (each is a compilation of **24 programs** with a book and manual, or equivalent)
...**of excellent quality** (eg. *"a very recommendable edutainment program"* AMIGA USER INTERNATIONAL)
.....**with far too many topics to list**, but some examples are:

MICRO SPANISH (Beginners - GCSE & Business) — Computer Talks
24 programs • Real speech (on disk) • Graphics adventure game • TalkingCartoon • Vocab. by Pictures • Business letter generator(1Mb) etc — NEW

MICRO FRENCH (Beginners - GCSE) — New Computer Talks
24 programs • Real speech • Graphics adventure game • Talking cartoon etc

MICRO GERMAN (Beginners - GCSE & Business) — New Computer Talks
24 programs • Real speech • Graphics adventure game • Business letter generator etc

MICRO ENGLISH (8 years - GCSE) — New Computer Talks
24 programs • Spelling • Punctuation • Grammar • Literature etc

MICRO SCIENCE Physics, Chemistry, Biology (8 years - GCSE) — "GHI software Choice"
24 programs • Tuition • Practical experiments • Learning by pictures • Adventure game (1Mb) etc

MICRO MATHS (11 years - GCSE)
24 programs equiv. • Algebra • Geometry • Trigonometry • Statistics • Arithmetic etc

It's fun & it really works

PRIMARY MATHS COURSE (3-12 years)
24 programs • Tables • Add • Subtract • Divide • Multiply (Long & Short) • Fractions etc

MEGA MATHS (A level course)
24 programs • Calculus • Algebra • Geometry • Full-screen graphs etc

£5 OFF TOTAL FOR 2 COURSES, £10 OFF FOR 3, £17 OFF FOR 4

(*All appropriate LCL Courses are National Curriculum compatible & run on most computers.) £24.99 per course all inclusive. Cheques payable to LCL. We are always in stock. Send orders/ "free poster-catalogue" requests to:

LCL (DEPT AMF), THAMES HOUSE, 73 BLANDY ROAD, HENLEY-ON-THAMES, OXON RG9 1QB

VISA **Phone 0491 579345 sent within 24hrs** Access



ISSUE 37
Pop stars who have made it big using the Amiga, plus *Animation Station* on the second Coverdisk.



ISSUE 38
Turn your A500 into a super-powerful, super-fast super-Amiga. *IntroCAD* on the second Coverdisk.



ISSUE 39
Read the first part of the Bullfrogs' games programming guide. *Devpac2* and *Caesar* Coverdisks.



ISSUE 42
We choose the Amiga Top 20 all-time great games. *AMOS* and *Lemmings 2* on the Coverdisks.



ISSUE 43
A fascinating look at the Amiga and how it works. Coverdisks include a full version of *ProData*.



ISSUE 44
We pick the best Amiga software ever, plus a fantastic *Hired Guns* Coverdisk demo.



ISSUE 47
A guide to the world of Amiga. The A4000/030 tested, and two stonking Coverdisk game demos.



ISSUE 48
Eight-page Coverdisk tutorial shows you how to make your own PD demo. Plus a *Syndicate* Coverdisk.



ISSUE 49
Amiga and 3D. Plus joystick and accelerator features. *Stardust* and *Genesis* on the Coverdisk.



ISSUE 50
We bring you the 50 best Amiga products ever. *Deluxe Music Construction Set 2* on the Coverdisk.



ISSUE 51
Indi software house feature; *Second Samurai*, *Turbo Print 2*, *Skidmarks* on the Coverdisks.



ISSUE 52
The complete guide to the Video Toaster, plus *Blitz Basic 2* and *Overdrive* on the Coverdisks.

Back ISSUES

Missed out on the issue of AF with that feature, tutorial or Coverdisk you really wanted? Now's the time to do something about it.

AND THERE'S MORE!

Yes, for just £5 each you can also get issues:

- **19:** *Champion of the Raj* Coverdisk.
- **20:** Huge software guide, *The Power* Coverdisk.
- **21:** Graphics special. *Hyperbook* Coverdisk.
- **22:** *Gods* and *Sample Editor* on the Coverdisk.
- **25:** DTP special, plus *Mega-lo-Mania* Coverdisk.
- **26:** Games music special. *DPaint 4* Coverdisk.
- **27:** Arcade Classics feature and Coverdisk,
- **28:** *First Samurai* and *Mig-29* on the Coverdisk.
- **29:** Two Coverdisks including *OctaMED*.
- **35:** *Spectracolor Jr*, *Easy AMOS* Coverdisks
- **36:** *CanDo*, *Crazy Cars 3* Coverdisks.
- **41:** Two Coverdisks including *Animation Station*.



ISSUE 55
Beginners' special, 20-page buyers' supplement, *Beneath A Steel Sky* and *DiskMaster* Coverdisks.



ISSUE 56
What would you buy for your Amiga with £250? *Wordworth 3*, *Tornado* and *FractalPro* Coverdisks.

DON'T MISS OUT!



Subscribe to *AF* and you now get even more for your money...

- Two Coverdisks *every* month and a complete full-price program.
- FREE Subscribers' Superdisk each month.
- FREE Backstage newsletter revealing action behind the scenes at *AF*.
- Subscribers' Superdisk instructions.
- And if you pay by direct debit, you get an extra issue FREE!

So don't miss out – get smart and subscribe NOW!



ISSUE 45

Why the Amiga is the world's best multimedia machine. Five free cards and a *Dong* Coverdisk.



ISSUE 46

The weird world of Cyberpunk. Reviewed: *Lemmings 2*, *Vista Pro 2* and *Real 3D2*.



ISSUE 53

Discover the amazing world of 3D graphics with the full *Imagine* Coverdisk package and tutorials.



ISSUE 54

Festive Christmas issue, plus an investigation into piracy. *SuperJam!* and *Cannon Soccer* Coverdisks.



ISSUE 57

Our investigation into the price of games. *Universe*, *Arcade Pool* and *Ami-Back* on the Coverdisks.



ISSUE 58

Three Coverdisk special with the fantastic *Music-X 1.1*, *ProVector 2.1* and *Total Carnage*. Plus FMV feature.

AMIGA FORMAT SUBSCRIPTIONS/BACK ISSUES

Yes! please enter/renew my subscription to Amiga Format: (please tick as appropriate)

ONE YEAR SUBSCRIPTION:
UK £47.40 ☐ Europe £78.95 ☐ Rest of World £110.95 ☐

SPECIAL SIX MONTHS SUBSCRIPTION OFFER:
UK £23.95 ☐ Europe £39.95 ☐ Rest of World £55.95 ☐

Please send me the following back issues at £5 each:

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Name.....

Address.....

.....

.....

Postcode.....

Method of payment:

Access ☐ Visa ☐ Cheque ☐ Postal order ☐
Direct debit ☐ *(subscriptions only)*

Total amount payable: £ _____

Credit card no. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date_____

Please make cheques payable to: **Future Publishing Ltd.**

SEND THIS FORM TO: AMIGA FORMAT SUBSCRIPTIONS, FREEPOST, Cary Court, Somerton, Somerset TA11 7BR.

This offer is valid until 1/6/94 **AF MAG 5/94**

WHAT A SPECIAL TREAT!

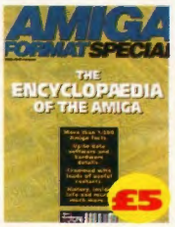
The *Amiga Format Specials* are invaluable reference guides to specific areas of Amiga usage and provide a wealth of information to help you find out how to get the most out of your machine. The *Specials* are written by Amiga experts for Amiga enthusiasts, and are packed with features and buying guides on just about every area of Amiga life. If you want the definitive guides to hardware, games, starting out, and much more, look no further.



ISSUE 1: The Complete Software Guide



ISSUE 2: The Amiga Format Annual 1993



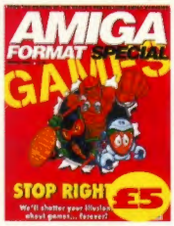
ISSUE 4: Encyclopaedia Of The Amiga



ISSUE 5: Questions And Answers



ISSUE 6: The Good Hardware Guide



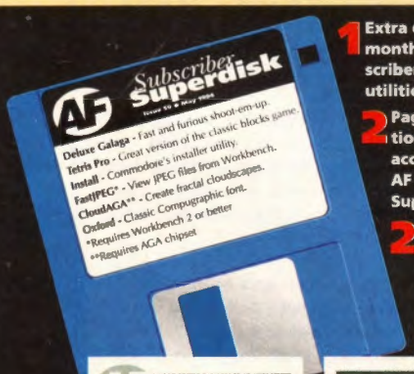
ISSUE 7: The Games Special



ISSUE 8: The Amiga Format Annual 1994



ISSUE 9: The Complete Beginner's Guide.



1 **Extra disk every month – for *AF* subscribers only – full of utilities and games.**

2 **Pages of instructions to accompany your AF Subscribers' Superdisk.**

2 **Pages of Backstage, your exclusive behind-the-scenes newsletter.**





DIRECT DEBIT INSTRUCTIONS Originator's ID: 930763

This form instructs your bank or building society to make payments direct from your account. Please complete both the form above and this direct debit form, which will we forward to your bank. The amount, as shown above, will be taken from your bank account at the start of your subscription.

(Banks and Building Societies may refuse to accept instructions to pay direct debits from some types of accounts)

1. Please write the full address of your branch

To: The Manager

.....Bank/Building Soc.

.....

.....

.....

.....

2. Account no ☐☐☐☐☐☐☐☐

3. Sort code ☐☐ ☐☐ ☐☐

Account in name of:

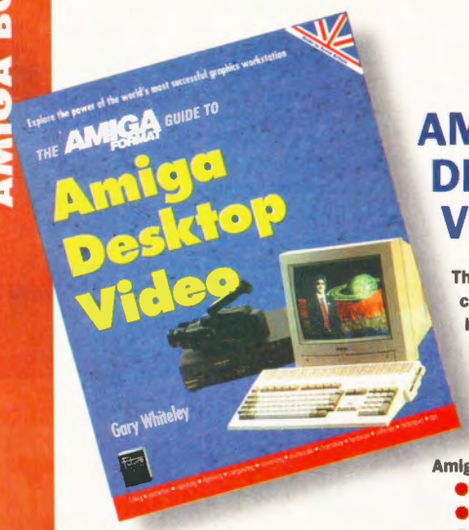
.....

4. Instructions to bank/building society

- I instruct you to pay direct debits from my account at the request of Future Publishing Ltd.
- The amounts are variable and may be debited on various dates. I understand Future Publishing Ltd. may change the amounts and dates only after giving me prior notice.
- I will inform you in writing if I wish to cancel this instruction.
- I understand that if any direct debit is paid which breaks the terms of this instruction, you will make a refund.

5. Signed.....**Date** .....

GET THE BEST INFOR AND ADVICE MONEY



AMIGA DESKTOP VIDEO

The Amiga is the world's premier low-cost graphics workstation. But its basic power, built-in expandability and ever-widening range of quality software and add-ons mean it's capable of highly professional results. All it takes is the know-how...

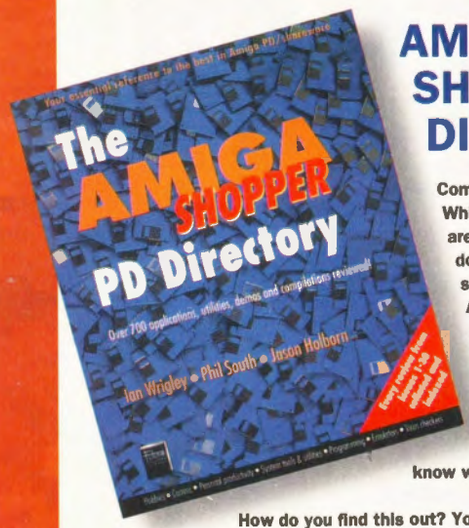
Amiga Desktop Video shows you how to:

- Title your own videos
- Record animations
- Mix computer graphics and video
- Manipulate images

...and much, much more

The author, Gary Whiteley, is a professional videographer and Amiga Shopper magazine's 'tame' desktop video expert. In this book he explains desktop video from the ground up – the theory, the techniques and the tricks of the trade.

Includes a comprehensive glossary to help you unravel desktop video jargon and terminology



AMIGA SHOPPER PD DIRECTORY

Commercial software is expensive. Which is why more and more users are turning to the public domain/shareware market for their software. You can build a huge Amiga software library for the price of a couple of commercial packages!

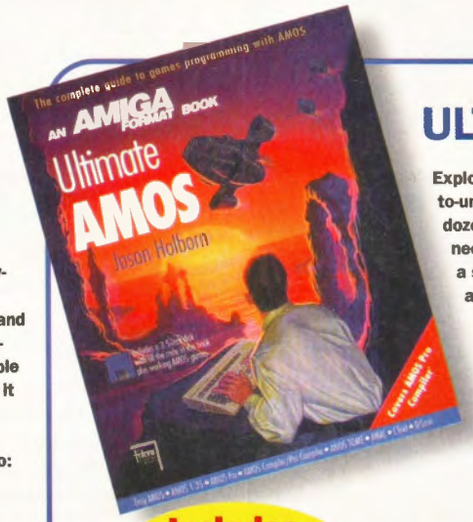
But first you need to know what software is available. And then you need to know what it does. And then you need to know whether it's any good.

How do you find this out? You find out here!

The Amiga Shopper PD Directory has been assembled from the first 30 issues of Amiga Shopper magazine. All the PD/shareware reviews since issue one have been collated, compiled and indexed in a single 500-page volume.

Programs are divided into categories, reviewed and rated. We name the original suppliers of the programs and we've also included a directory of current suppliers at the back of the book.

Get this book and save yourself £££s!



ULTIMATE AMOS

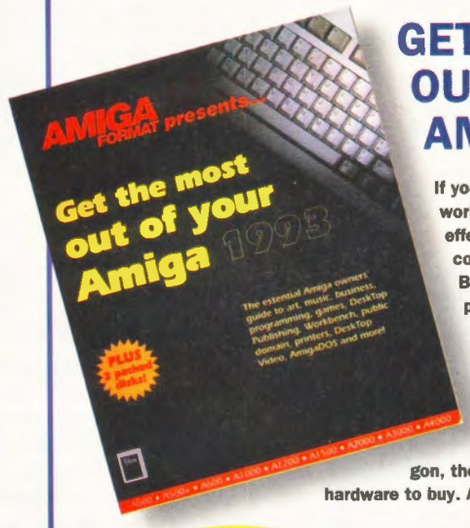
Explore the full potential of AMOS with easy-to-understand descriptions, diagrams and dozens of example AMOS routines. All you need to produce your own Amiga games is a smattering of BASIC knowledge, AMOS - and this book!

- Learn essential programming principles
- Master screens and scrolling
- Find out how to handle sprites and 'bobs'
- Incorporate sound and music in your games
- Discover dozens of handy AMOS routines for incorporating into your own programs

Includes one packed floppy disk

400 pages packed with all the information you need to get the best out of the Amiga's ultimate games creation package!

Includes a disk containing all the routines and programs printed in the book, plus four skeleton stand-alone games.



GET THE MOST OUT OF YOUR AMIGA 1993

If you've got an Amiga, you've got the world's most powerful, versatile and cost-effective computer. If it can be done a computer, it can be done on the Amiga. But getting started in comms, desktop publishing, music or any other area of computing is difficult if you don't have a friendly guide.

This book is your guide! It covers every Amiga application, from desktop video to programming, from games to music, explaining the jargon, the techniques and the best software and hardware to buy. And...

Includes two packed floppy disks

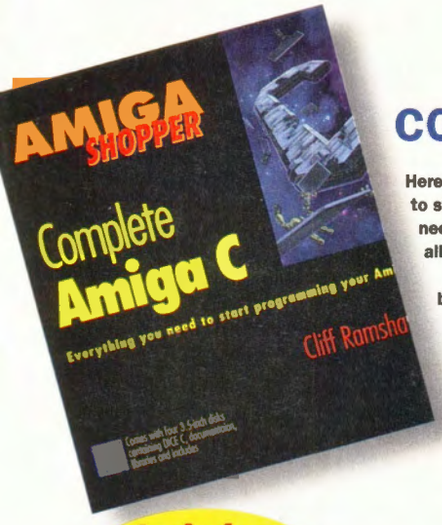
- Discover the Amiga's history
- Get to grips with Workbench.
- Find out about printers, hard disks, RAM, floppy disk drives and accelerators
- Learn useful AmigaDOS commands
- PLUS 2 disks of top Amiga utilities!

Save £10!

You can save £10 on the price of this book if you buy it at the same time as Ultimate AMOS – see the form on the right for details.

MATION CAN BUY!

Future books are written by the very same people who write your favourite Amiga Magazines. So you know you can count on the very best, from our money saving PD Catalogue or our guide to C Programming. The finest Amiga books you can buy.



Includes four packed floppy disks

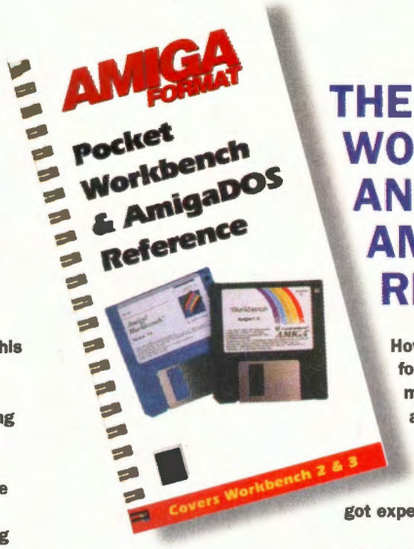
COMPLETE AMIGA C

Here, in one single package, is everything you need to start programming in C. All the information you need, all the explanations, all the jargon-busting, all the documentation AND all the software!

Getting started in C programming has never been easier than this!

- **Learn the basics of C programming with this 300-page book by Cliff Ramshaw, editor of Amiga Shopper magazine**
- **Write and compile your own programs using the full version of top shareware C compiler DICE, provided with the book**
- **Explore all the compiler's features with the on-disk documentation**
- **Exploit your Amiga's special features using the version 1.3 and version 2 Commodore 'includes'and 'libraries' also provided (these are compatible with version 3 machines but will not provide version 3 features)**

Everything you need to get started in C programming on the Amiga is right here at a fraction of the price of a commercial package



THE POCKET WORKBENCH AND AMIGADOS REFERENCE

How do you copy files? How do you format floppy disks? How do you move things from one folder to another?

If you've just got your Amiga, Workbench and AmigaDOS can be confusing – unless you've got expert help on hand:

- **Understand Workbench menu options**
- **Customise Workbench for your needs**
- **Make the most of the supplied Tools, Utilities and commodities**

PLUS For more advanced users there's a full AmigaDOS 2 & 3 command reference, listing all the commands in alphabetical order and quoting function, syntax and examples. Learn how to really drive your Amiga!

This pocket-sized book contains the essential AmigaDOS reference section from "Get The Most Out of Your Amiga" in a ringbound, handy edition - as well as much, much more.

Future Books Priority Order Form

Your name _____

Your address _____

_____

Postcode _____

Your signature _____

Please send me (tick as appropriate):

☐	Get the Most out of your Amiga 1993	FLB009A	£19.95*

* Save £10! You can buy this book at the reduced price of £9.95 if you order it in conjunction with Ultimate AMOS (below)

☐	Ultimate AMOS	FLB025A	£19.95
☐	Pocket Workbench & AmigaDOS Reference	FLB017A	£9.95
☐	Complete Amiga C	FLB106A	£24.95
☐	Amiga Desktop Video	FLB084A	£19.95
☐	Amiga Shopper PD Directory	FLB114A	£14.95

All prices include postage and packing

Amount enclosed £ (Make cheques payable to Future Publishing Ltd.)

Method of payment (please tick one): VISA ☐ ACCESS ☐ CHEQUE ☐ POSTAL ORDER ☐

CARD NUMBER ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry date: ☐☐☐☐

Or call our 0225 822511 credit card hotline

Tick if you do not wish to receive direct mail from other companies ☐

Now send this form and your payment to: **Future Book Orders, Future Publishing Ltd, Freepost (BS4900), Somerton, Somerset TA11 7BR**
You will not need a stamp when you past this order and postage and packing are free. There are no extra costs. Please allow 28 days for delivery.

WORDWORTH 2

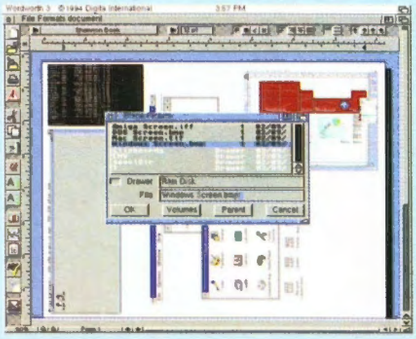


If you haven't already got this seriously excellent word processing software then you'd be mad to miss out on this amazing offer. Wordworth 2 from Digita is one of the best word processors available for the Amiga. It's powerful, fast and packed with features such as the intellifont system which enables you to use fonts from 4 to 800 points in size, mail merging, a comprehensive dictionary and thesaurus, and an indexing system. Reviewed in AF41, Wordworth 2 scored a golden 91 per cent.

save £80

Description	Wordworth 2
RRP	£129.99
AF price	£49.99
Order code	AMF266

WORDWORTH 3



If you were impressed by Wordworth 2, you'll be bowled over by its recently-released big brother Wordworth 3. The new version has several features that are completely new to Amiga word processing software. These include editable pop-up gadgets, font-sensitive requesters and a user-editable tool bar. This is effectively the main control panel, and can be arranged down the side or across the page. A prince among word processors.

save £50

Description	Wordworth 3
RRP	£149.99
AF price	£99.99
Order code	AMFWW3

Mail ORDER

Every month we pick out top-quality software and indispensable hardware and deliver them at bargain prices.



BENEATH A STEEL SKY

Beneath A Steel Sky (reviewed AF57, 94 per cent) is an absorbing and compelling graphic adventure from Revolution Software of Lure Of The Temptress fame. One of the most distinctive features of this truly fascinating game is the atmospheric graphics, which owe much to the involvement of cult comic book artist Dave Gibbons. One of the very best Amiga graphic adventures.

save £5

Description	Beneath A Steel Sky
RRP	£34.99
AF price	£29.99
Order code	AMFBSS

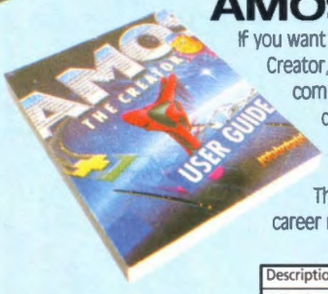


EASY AMOS

Designed for the beginner who wants to learn programming but doesn't know where to start, Easy AMOS is based on the successful AMOS. It has many examples and detailed explanations to help you learn.

save £5

Description	Easy Amos
RRP	£34.99
AF price	£29.99
Order code	AF250



AMOS MANUAL

If you want to get the most out of AMOS The Creator, this is what you need. It's the complete manual and it includes an Extras disk with all the example programs and extras that we couldn't fit on the Amiga Format Coverdisks.

The AMOS Manual will make your AMOS career more enjoyable and creative!

Description	AMOS Manual
AF price	£13.95
Order code	AF249



GRAPHICS WORKSHOP MANUAL

Graphics Workshop is a drawing package so special that, along with all the normal tools you expect from a top paint program, you also get some powerful extra utilities. You're not limited to using one custom brush, you can pick up and store up to 10.

It also features ANIM and Animbrush forms of animation, and a cell system which is probably the most powerful animation system on the Amiga. Get the most out of this top program by buying this illustrated instruction book and tutorial guide (with a special tutorial disk).

Description	GW Manual
AF price	£13.95
Order code	AF249A



AMOS PROFESSIONAL

This is one of the highest-rated programs ever reviewed in Amiga Format. Top of the AMOS range, it updates the famous AMOS extended basic programming language with new commands and facilities that make it a real winner! (Needs 1Mb minimum.)

save £10

Description	Amos Pro
RRP	£69.99
AF price	£59.99
Order code	AFAMPRO



TECHNOSOUND TURBO 2

Like the original Technosound Turbo, version two of this sampler from New Dimensions, enables you to grab digitised sounds, then sequence them into compositions. But it also features many improvements, and a range of new functions, including direct to hard disk recording, a built-in tracker, sequencer and 18 novelty effects. The package also contains a digitiser and a set of audio leads.

Reviewed in Amiga Format Issue 51, it scored 88 per cent.

save £10

Description	Technosound Turbo 2
RRP	£39.99
AF price	£29.99
Order code	AMFTT2



THE AMIGA FORMAT STAR BUYS

Our stylish black and silver binders are ideal for keeping all your copies of AF neat and tidy, and if your bedroom, or lounge is anything like the Amiga Format offices, you'll be needing a dust cover for your Amiga. Knowing that co-ordination is the key we've even created matching resilient and water-resistant mouse mats and disk wallets!

Description	A500 dust cover
AF price	£8.99
Order code	AF5 DUST7

Description	A600 dust cover
AF price	£8.99
Order code	AF6DUST

Description	Monitor cover
AF price	£12.99
Order code	AFMONT

Description	Mouse mat
AF price	£7.99
Order code	AFMAT



Description	Disk wallet
AF price	£3.99
Order code	AFWALL

Description	One binder
AF price	£4.99
Order code	AF108

Description	Two binders
AF price	£9
Order code	AF109

SPECIAL OFFER, BUY A FULL SET AND SAVE MONEY

A500 cover, monitor cover, mouse mat, disk wallet
A600 cover, monitor cover, mouse mat, disk wallet

Description	A500 Special offer
AF price	£29.95
Order code	AFCOVERS5

Description	A600 Special offer
AF price	£29.95
Order code	AFCOVERS6



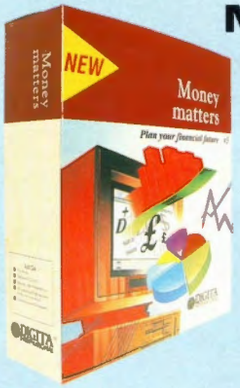
MUSIC-X 2

This superb sequencer package is one of the most eagerly-awaited upgrades in the history of Amiga music software and is one of the most ground-breaking releases since the original Music-X made such a huge impact in 1989.

Music-X 2 is a full MIDI sequencing package for controlling synthesisers, drum machines and other MIDI equipment, or you can use it to make tunes using internal Amiga samples. Music-X 2 is packed with many new features, making it the leading sequencer for the Amiga.

save £30

Description	Music X 2
RRP	£149
AF price	£119
Order code	AMFMX2



MONEY MATTERS 3

This excellent home accounts program is easy to use, flexible, powerful and fast. If you want to keep track of your budget, whether it's for your business or your domestic finances, Money Matters 3 is the ideal program and includes useful features that enable you to view the data in the form of graphs or pie charts.

Money Matters 3 scored a highly impressive 85 per cent when it was reviewed in AF54.

save £10

Description	Money Matters 3
RRP	£49.99
AF price	£39.99
Order code	AMFMM



BLITZ BASIC 2

This BASIC programming language has faster compiling and coding, new commands, and everything from C structures to an inline assembler. The package includes a manual, user guide, four issues of Blitz User Mag, five disks packed with extentions, games and examples.

save £20

Description	Blitz Basic 2
RRP	£69.95
AF price	£49.95
Order code	AMFBB2

CREDIT CARD HOTLINE 0225 822511

Check out our amazing back issues and subscription offer on Page 148

Amiga Format Mail Order Form

Name .....

Address .....

.....

.....Post Code .....

Phone Number .....

Description	Price	Order Code
Total order		

Method of payment (please circle) Access Visa Cheque PO

Please make cheques payable to: **Future Publishing Limited**

ALL PRICES INCLUDE POSTING, PACKING AND VAT

Credit Card no

Expiry Date.....

SEND THIS FORM TO: ***Amiga Format*,**
Future Publishing Limited,
Freepost (BS4900)
Somerton, Somerset, TA11 6BR

DO NOT SEND CASH, USE METHOD OF PAYMENTS LISTED ABOVE

EEC customers registered for VAT, please quote your registration number:

Customers outside the UK add £4.00 for overseas delivery

AFM/5

PRIZE LINES

YOUR CHANCE TO WIN FANTASTIC PRIZES JUST BY CALLING OUR TELEPHONE NUMBERS BELOW

YOU CAN WIN THIS FANTASTIC MOUNTAIN BIKE



DIAL 0891 111104

WIN A SEGA MEGADRIVE

NO TIE BREAKERS



DIAL 0891 111103

NO TIE BREAKERS

TWO THOUSAND POUNDS COULD BE YOURS

CALL OUR HOTLINE NOW: 0891 111105

WIN AN AMSTRAD P.C.



DIAL 0891 111106

WIN THE TOP 50 C.D.s

EASY TO ENTER WITH NO NASTY TIE BREAKERS



DIAL 0891 111102

Max. duration 7.5 mins with multi-choice answers. If you don't pay the phone bill get permission from who does. Calls cost 39p a min. cheap rate or 49p a min. at all other times. Max cost £3.68. Rules/winners free by post from EarthBound, Enterprise House, High Street, Newcastle NE15 8LN. Winner picked at random on closing dates 20/6/94 to be notified by post.

OPEN ALL HOURS

WELL, NEARLY!
9am-10pm Mon-Sat,
10am-6pm Sunday

SPECIAL OFFERS!!

DSDD DISKS 29P

100 DISKS + 100 CAP BOX £31.99*

*ASK FOR SPECIAL DISK OFFER WHEN ORDERING

2.5" HARD DRIVES FOR A600/A1200

60 MEG	£149
80 MEG	£189
120 MEG	£209
250 MEG	£259
344 MEG	£309

HARD DRIVES INCLUDE FULL FITTING KIT + INSTRUCTIONS

PRINTERS & RIBBONS

Star LC100 Colour	£134.00
Star LC24-30 + Auto Sheet Feeder	£209.00
Seikosha SP1900 9 Pin Mono	£119.00
Seikosha SL95 24 Pin Col	£189.95
HP310 colour ink jet	£219.00
HP310 + Auto Sheet Feeder	£269.00
LC20/LC100 mono ribbon	£4.50
LC100 colour ribbon	£6.75
LC24 200 mono ribbon	£5.50
LC24 200 colour ribbon	£13.50
LC200 mono ribbon	£4.50
LC200 colour ribbon	£9.75

LEADS & CABLES

Printer Lead	£3.99
Serial	£4.99
Null Modem	£5.99
Joystick Extender 3 metre	£3.99
Joystick/Mouse Extender	£3.99
Amiga to SCART	£7.99
Amiga to 1084S/8833	£7.99
Analog Joystick Adapter	£4.99
4 Player Adapter	£5.99

LOOK! LOOK! LOOK!

TRACTORFEED DISK LABELS

Now you can print your own professional disk labels!
500 Plain white disk labels on tractor feed, complete with FOUR disks of software and artwork.

Yours for ONLY £9.95

1000 Labels with software
ONLY £13.50

AMIGA HARDWARE

A1200 Race & Chase pack	£289.95
A1200 Desktop Dynamite	£329.95
CD32 + Oscar/Diggers	£289.95
Amiga A4000	£Phone
Microvitec 1438 Monitor	£295.00
Cubscan 1440 Multisync	£399.95
External Floppy + Virus Killer	£56.95
A500 Internal Floppy Drive	£48.95
A500 512k Ram exp + Clock	£23.50
A500 1.5 Meg Ram exp	£76.95
A500+ 1 Meg Ram exp	£33.95
A1200 2 Meg Ram exp + Clock	£109.95
A1200 4 Meg Ram exp + Clock	£174.95
A500/A600/A1200 Power Supply	£29.95

DISKS & LABELS

All disks are supplied with labels.
UNBRANDED DISKS are 100% error free. In the unlikely event that any of our disks are faulty, then we will replace the disks **AND** reimburse your return postage!

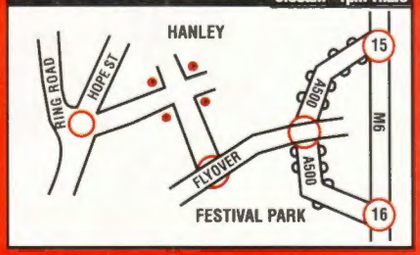
3.5" DSDD Grade A	£0.37 each
3.5" DSDD Grade B	£0.29 each
3.5" Rainbow	£0.44 each
3.5" DSHD	£0.58 each
3.5" DSDD Fuji (box of 10)	£4.90
3.5" DSHD Fuji (box of 10)	£8.90
5.25" DSDD Fuji (box of 10)	£2.50
5.25" DSHD Fuji (box of 10)	£4.90
1000 3.5" labels	£6.50
1000 3.5" tractorfeed	£8.50

STORAGE BOXES

Most types are available for 3.5" or 5.25" disks.

10 capacity	£0.95
20 capacity	£1.95
40 capacity	£3.49
50 capacity	£3.95
100 capacity	£4.50
80 capacity Banx drawer	£8.49
150 capacity Posso drawer	£15.95
200 capacity drawer	£14.95

VISIT OUR NEW SHOP 9.30am - 5.30pm Mon - Sat, 9.00am - 1pm Thurs



MISCELLANEOUS

Mousehouse	£1.80
Mousemat 9mm thick	£2.50
Diskdrive cleaner	£1.80
A500 Dustcover	£3.50
A600 Dustcover	£3.50
A1200 Dustcover	£3.50
Monitor Dustcover	£3.50
LC20 Dustcover	£3.50
LC100 Dustcover	£3.50
LC200 Dustcover	£3.50
LC24-200 Dustcover	£3.50
Roboshift	£13.95
Amiga Lightpen	£29.95
Optical Mouse	£32.00
Megamouse II	£11.95
Megamouse 400 DPI	£12.95
Point Mouse	£12.95
Altadata Trackball	£26.95
Crystal Trackball	£32.00
Zydek/Truedox Trackball	£25.95
Zyfi Amp/Speakers	£37.50
Zydek Pro Speakers	£49.00
Action Replay Mk III	£56.95
Midi Master	£26.00
Tilt/Turn Monitor Stand	£9.95
2-piece Printer Stand	£3.49
Metal Printer Stand	£8.99
A4 Copyholder	£5.99
Metal Angle Poise Copy Holder	£14.95
A500/A600 ROM Sharer	£14.95
V1.3 ROM/V2.04 ROM	£25.95
Microperf Tractorfeed Paper: 500 sheets	£4.50
2000 sheets	£13.00

JOYSTICKS

All joysticks have autofire feature except those marked *.

Trigger Grip Models

Quickshot turbo	£6.95
Python 1M	£7.99
Jetfighter	£12.00
Topstar	£19.50
Sigma Ray	£14.95

Base Fire Button Models

Maverick 1M	£12.95
Zipstick	£12.95
Comp Pro 5000*	£10.95
Comp Pro Extra	£12.95
Comp Pro Star	£12.95
Cruiser Multicolour*	£9.95
AdvancedGravis Black	£24.99
Advanced Gravis Clear	£27.99
Comp Pro Star MINI	£14.95
Aviator 1 Flightyoke	£23.50

Handheld Models

Speedking	£10.50
Navigator	£13.95
Bug	£12.00

ANALOG JOYSTICKS

These Joysticks will fit any Amiga

Warrior 5	£14.95
Saitek Megagrip 3	£19.50
Speedking Analog	£13.95
Intruder 5	£25.50
Aviator 5 Flightyoke	£27.50

Adapter to use any PC analog joystick on an Amiga ..... ONLY £4.99

Direct COMPUTER SUPPLIES

0782 206808 - Anytime
0782 642497 - 9.00am-5.30pm Weekdays
0630 653193/0782 320111 - Evenings & Weekends

BUSINESS HOURS
9am to 10pm Mon-Sat, 10am to 6pm Sun

All items and offers subject to availability. E&OE
Postage £3.30: Next Day £3.75
We accept POs, cheques & credit cards
Please write Cheque Card Number on cheque for instant clearance

BUSINESS AND EDUCATION ORDERS WELCOME **All Prices Inc VAT**

DIRECT COMPUTER SUPPLIES 36 HOPE ST, HANLEY, STOKE ON TRENT ST1 5BS

Put your life in order with the full family

INDEXER

PYRAMID MAKES YOUR AMIGA WORK FOR YOU!

Special price for Amiga Format readers **£21.99**



TAKE ADVANTAGE OF this incredible never-to-be-repeated offer (**RRP £36.99**) to organise all those personal items in the home that you need to list; categorise and find instantly.

Use *Indexer* to compile a database of your albums, disks, CDs, stamps, recipes, news items, magazines, videos, books, historical references, chemical formulae, labels, gardening planning, photos, household insurance items, knitting and sewing patterns... The list is only limited by your own needs and ingenuity.

Version 2 of *Indexer* offers even more facilities: installation on to a hard disk; the ability to delete a dynamic index, the facility to put the DMI in alphabetical order, as well as many other functions.

A PYRAMID PRODUCTION

AMIGA FORMAT INDEXER

WHAT INDEXER USERS SAY:

" I was awestruck. At last someone speaks my language. "

" It's an excellent program: just what the doctor ordered. "

" I am enclosing more than your asking price – people like you should be given an incentive. I shall be telling all my friends about this. "

" The documentation was concise, amusing and intelligent... I was totally impressed with the ease of use."

" It just told me what I asked, amazing! No complicated search patterns. "

" I was delighted with *Indexer*... Now I am looking forward to the release of your other programs, which I'm sure will be of the same high quality. "

" It must be one of best programs of its kind I have seen. It's so user-friendly. "

" Your program works wonderfully and I will spend many a happy hour logging information. "

ORDERS TO: PYRAMID PRODUCTIONS
EN RAMOUNAS
11320 MONTFERRAND
FRANCE

Order both *Indexer* and *Magic Numbers* for only £30

Please send me	(Price)	(Tick)
Indexer.V2	£21.99	☐
Magic Numbers	£9.99	☐
Indexer.V2 & Magic Numbers	£30.00	☐

Name_____

Address _____

_____

_____

_____ **Post code** _____

I enclose a cheque for:_____

Please make cheques payable to Pyramid Productions (UK or Euro cheques OR other currency in UK equivalent.)

Amaze your friends with

MAGIC NUMBERS

using the intuition of your Amiga.

WITH MAGIC NUMBERS you can read your friends' minds; do the Magic Nine trick; pick the football results; play pontoon; roll dice, call the bingo sessions; pick a winning horse; pick lucky numbers for raffles, check your biorhythms; practice the art of numerology by using numbers to predict what the future holds for yourself and your friends; and do much, much more.

First Issue **£9.99**

FIND ALL THESE ITEMS ON ONE FUN-PACKED PROGRAM

Magic Numbers 1 is the first in a series of disks consisting of a compendium of games, trivia and esoteric items which depend on the chaotic patterns found in nature and on formula created by random mathematical projections.

Magic Numbers 1 is also an ideal tool for fund-raising at school fetes, charity bazaars, for example, and it can easily be set up on stalls to attract punters.

If you are interested in the esoteric, the editors of *Magic Numbers* are undertaking serious life-pattern studies into the paradigm of numbers. We would like you to participate in a data bank and welcome suggestions for inclusion in future editions.

WorkBENCH

Whatever your problem (as long as it is Amiga-related) we are here to solve it. Scribble down your woes and send them off to us at: Workbench, Amiga Format, 30 Monmouth Street, Bath, Avon BA1 2BW.



GVP's DSS8+ may create great quality samples, but saving a loop correctly causes problems.

SAMPLING SORROW

I have just purchased a lump of plastic from Silica Systems called the *GVP DSS8+* sampler for my A1200 and my main problem is saving a loop. It would appear that such a simple thing is not possible at all, you spend ages getting the loop perfect and when you save it, it just saves the entire sample ignoring the loop guidelines completely. Why?

I have called the helpline at Silica Systems and it seems that they are not clued up on the *DSS8+*. I get this impression by the fact they have to call GVP in the States to answer my queries. This is annoying because I have the problem now, and I will have to wait at least a week for my reply.

Why do Silica offer a help service on the products they sell when they can't really support them effectively?

Every other kind of sampler I have ever used has always saved the sample between the two guidelines, why then is the *GVP DSS8+* so different? Can you help? Has anyone else has this problem? Does anyone care? Nick it's over to you.

Paul Attradies, Denford, Northants

You are one of a number of people with this problem, and as far as I can work out, you are doing nothing wrong. The software doesn't seem to save loops correctly. I have forwarded your problem to GVP themselves in the hope that they can come up with an answer. They haven't so far, but we'll keep you posted.

In the meantime, the only thing I can suggest is that you save the samples out in their entirety and load them into some other sampling software (even a PD program such as *Med* can save loops).

Not all sampling software conforms precisely to the 8SVX IFF standard, therefore you may have some incompatability problems. By the way, you are not related to the spice lords of the *Dune* worlds, are you?

INSTALLED? NOT AT ALL

After installing my new 80Mb hard drive into my A1200, I realised that I wanted another partition for my saved files, so I saved my valuable files and loaded my hard drive install disk. However, I accidently formatted the drive. I reinstalled my programs, but instead of having normal hard drive icons for the partitions: Workbench, Work and Data, I had normal disk icons.

The fonts wouldn't load properly until I had copied the font disk to the Workbench directory and now I don't have a Devs drawer, so I can't change keymaps or printers. Also the built-in *CrossDos* now doesn't work. It claims to mount PCO: but any PC disk comes up as DFO??? although the *CrossDos* on the *Amiga Format*

Continued overleaf ☛

COMPLETE TOOLS

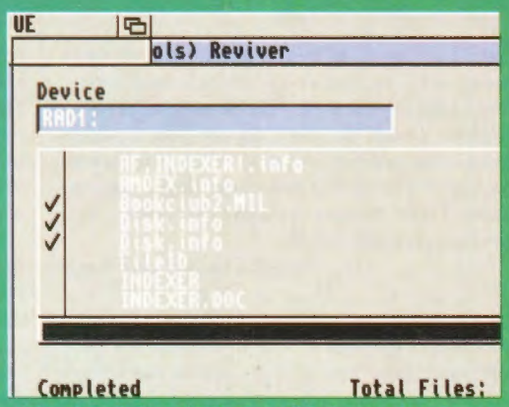
Can you tell me how to Tag deleted files in the *Ami-Back Tools* demo on the Coverdisk of *AF57*?

Could you tell if you plan to include similar programs to *Ami-Back* and *Ami-Back Tools* that can work with only an internal floppy disk drive and could you tell me if *Ami-Back Tools* will work with just an internal floppy disk drive?

A R Morrison, Berwick-Upon-Tweed

The files are tagged by clicking in the margin to the left of the filename, as shown in the picture right. The tagged files can then be recovered.

The program will work with any physical device, you just have to select it by clicking on the appropriate entry in the drive list which appears (in the bottom right hand corner) when you start up the program.



***Ami-Back Tools* from *AF57*'s Coverdisk does work, as long as you know how you should tag files.**

IF YOU HAVE A QUERY...



Nick Veitch

At *Amiga Format* we aim to answer as many questions as we possibly can every month, and hopefully to sort out all your problems. Of course there are always more questions than answers, so we have to prioritise queries according to the following factors:

- **Frequency. If a lot of people seem to be having problems with their Supersonic KY3000 printers then we will print one letter and the definitive answer, encompassing all the most frequently posed problems.**
- **Difficulty. If the problem is actually something which only someone with some insider technical knowledge would be able to solve, it is more likely to be answered in these pages than a problem which arises simply because you haven't read the necessary documentation.**
- **Impact. Quite simply, a question which involves you not being able to use your machine or some peripheral or software will be given priority over a difficulty which is little more than a slight inconvenience.**

Unlike some magazines we won't just concentrate on the areas of expertise we are most familiar with, we will take on any problem (as long as there is an Amiga involved). We have even enlisted the help of Commodore's Chief Engineer for those particularly tricky questions. As you will appreciate, we do get a lot of questions. If you want to get yours noticed, here are a few tips:

DO

- **Be concise.**
- **Detail the actual problem as best you can.**
- **Where applicable, describe the sequence of events that caused the problem.**
- **Give details of the equipment you are using (including which version of *Workbench* and which model of Amiga you have).**
- **Make sure your question is relevant and wouldn't be more easily solved by the dealer from whom you bought the goods.**

DON'T

- **Spend three pages telling us about your Aunt Ethel and only then explain your problem.**
- **Write in with questions such as 'I added a hard drive to my machine and it doesn't work. What can I do?' (Which machine? Which drive?)**
- **Send an SAE expecting a personal reply. The chances are extremely slim.**

Please bear these points in mind and remember that we are trying our best to help you.

Collection No.8 works perfectly with the same disks. Can you please tell me what's going on?

Paul Hargreaves, Blackburn

When you re-partition a hard drive, all the data on the drive is lost. This is because the directory tables have to be rebuilt to mirror the new size of the partitions. You will have to re-install the Workbench properly. The reason you are getting funny icons and *CrossDos* isn't working is that all the files that Workbench requires are missing or in the wrong place.

Installing the software correctly can be a bit problematical. You may be able to find a Public Domain script to do it for you (check with your local Bulletin Board Sysop, or any good PD library), but failing that you can do it yourself.

Copy all the files from your original Workbench disks on to your hard drive. Make sure that all the programs from the storage disk go in the relevant drawers (for example, the contents of Storage:Devs should go in Workbench:devs).

CD AGAIN



You will need a SCSI interface for your machine before you can use a SCSI CD Drive.

I heard recently that Commodore may not be releasing a CD drive for the A600 and A1200, but can I use the Tandem CD controller as advertised on page 50/51 of Issue 57 of *Amiga Format*, and if so how do you connect it to an A1200 or A600?

Jonathan Weale, Solihull

The Tandem card that you mention is only for Amigas that have Zorro expansion slots (A1500, A2000, A3000 and A4000), so you won't be able to use it on your A600 or A1200.

However, Commodore have now unveiled a CD drive for the A1200 at the CeBit show in Germany, but the full details are not yet clear. Apparently, it does not support FMV, it is only slightly cheaper than the CD^{32} and Commodore UK have no plans to sell it here. (For more details see our news report on page 26.)

We can't change their mind, but maybe you can. If you want to be able to buy a CD^{32} emulator for an A1200, write to David Pleasance at Commodore, Commodore House, The Switchback, Gardener Road, Maidenhead, Berks SL6 7XA.

WHY'S IT DIFFERENT?

When I rehoot Workbench 3.0 on my new A1200, the screen looks different from that in the manual (I am referring to Chapter Two – Basic Operations). On my Workbench screen I do not get either a System or a Work icon, instead, I just get a Workbench 3.0 icon and the RAM disk icon. Is this normal? Does it make any difference?

Also, I placed the clock into the WB Startup drawer having first corrected the time and date. I pressed the Save button thinking that when I again used my Amiga the clock would appear showing the correct time. This has not happened.

When I start the clock appears, but it always shows a date and time from 1992! Does this mean that I have to reset the date every time I start the A1200? These hiccups are most distressing for a new computer user like me.

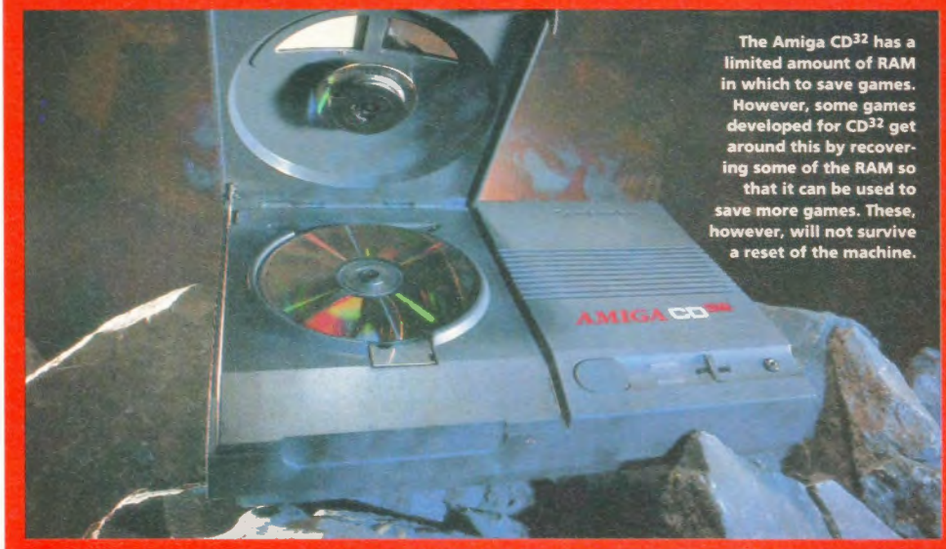
Steve Morris, Surbiton, Surrey

There is nothing wrong with your system. The icon that appears on your screen is the icon for your Workbench disk. The icons shown in the screenshot are probably for a hard drive with a Workbench and a work partition. Putting the clock in the WBStartup drawer will cause it to appear every time you start your machine. This is a good idea because then you can set the correct time. The time is not saved when the machine is turned off because the A1200 does not have a battery-backed clock. If you want to get a battery backed clock, they are often included with RAM expansion boards.

CLASSIC PROBLEM

I recently purchased a back issue of *AF*27 together with the *Arcade Classics* Coverdisk. However, I own an Amiga 1200 and I'm not sure if the Coverdisk is compatible. When I load and boot the disk, I get the menu up OK, but when I select an option, I get the system request message: Coverdisk has a write error on disk block 880.

To the point...



The Amiga CD^{32} has a limited amount of RAM in which to save games. However, some games developed for CD^{32} get around this by recovering some of the RAM so that it can be used to save more games. These, however, will not survive a reset of the machine.

Q How much non-volatile RAM does a CD^{32} have to store games?

A There is 1K, or 1024 bytes of battery-backed RAM in the CD^{32}, available for saving games in. This isn't a lot really. For instance, you will only be able to fit in one saved game of *Pirates! Gold*.

Q What is *ARexx* for?

A *ARexx* is a very useful programming language. Because the Amiga multitasks, it is possible to run more than one program at once. One of these programs can be a script file run through *ARexx*, which means that your script can run and perform operations while you are doing something else.

Most application software, such as *ADPro*, *ProPage* and so on, have built-in support for *ARexx*. This means that the scripts can control functions of this software by themselves, so you can set up scripts to do repetitive tasks.

Q I have installed *DPaint* on to my hard disk, but now it won't run. A message comes up saying a font is missing. What's going on?

A *DPaint* uses its own font (cunningly enough called *DPaint*) for the menu options and requesters. Just copy the contents of the fonts directory on your *Dpaint* disk, to the fonts directory on your bootup partition.

Q I have been told that for my video work I need an SPG. What the good gosh is that?

A An SPG is nothing to do with (allegedly) violent members of the law enforcement agencies. It is in fact a Sync Pulse Generator. This is used to provide one master clock signal which all your video equipment can be synchronised to.

These devices are non computer specific. To get some idea of which would be best for you, try looking in a camcorder or video magazine, or call The Amiga Centre Scotland on 089 687583 – they should be able to help.

Q My mate can view PCX files with his *Multiview* on Workbench, but I can't. Please tell me why this is.

A *Multiview* makes use of the Datatypes stored in the Workbench Devs directory. These files explain the different file formats so that intelligent programs, such as *Multiview*, can interpret the data. There are many different datatypes available in Public Domain libraries and on BBSs which will deal with other picture file formats such as JPEG and TIFF, as well as PCX.

Will the Coverdisk run on my A1200? If so what am I doing wrong? Should I use a downgrader program?

T S Woodcock, Preston

Not all of the games on the *Arcade Classics* Coverdisk are compatible with the A1200. In fact, a great many of them aren't. However, your problem seems to be a faulty disk. Try running the *Ami-Back Tools* program (*AF*57 Coverdisk), or try getting hold of the Public Domain program *Disksalve* and using that.

Using a downgrader may solve the compatibility problems in some cases, but it cannot be guaranteed to work.

LEW'S CORNER

By Lew Eggebrecht
Commodore's Chief of Engineering



I am having terrible trouble with my joystick port. Whenever I plug in a stick to play a game, the game behaves as if the stick in port two is constantly being pushed up. What is going on?

Jonathan Moore, York

I will assume that you have already tried swapping the two joysticks and have determined that this is not a problem with one of your joysticks. You could also try turning off your A1200 and disconnecting your external floppy to see if your joystick problem goes away.

If not, then it sounds like you need to take your system to a service centre. A problem such as the one you describe could be caused by a solder connection which has become cracked or stressed, or even a problem with the custom chip which processes the joystick directional data.

EYING A NEW MOUSE

For some time now I've been toying with the idea of buying an optical mouse for my Amiga 500+. Please can you advise me which is the best and most practical one to go for? If not, can you suggest a normal mouse which is of optical standard?

Greg Moffatt, London

All you really need is a mouse with a better resolution. The standard Commodore one which went out with A500s was only 150dpi, which meant you needed a lot of desk space to move around the screen. A 400dpi mouse such as the Alfa Data Mega Mouse (Harwoods, 0773 836781) is a good buy at £13.95. You can get an optical mouse from the same source for £28.95

SERIAL DRIVE

I can't get a cable to connect my 1541 disk drive to my A1200. Everywhere I've asked, I get looked at as if I've got horns and two tails!! I recently upgraded from a C64 to the A1200 and I don't want my 1541 to sit just like a useless ornament. I want to make it work.

Eliazbeth Anderson, Ayrshire

Well, I'm sorry to break this to you, but the 1541 is a very unconventional disk drive indeed. It is not a random access device, it is a serial device, so in fact it isn't that much better than a tape drive. Incredibly, the 1541 has more processor power on board than the C64 did!

There is a PD 64 emulator available. The documentation with it provides details for how to connect C64 peripherals to the Amiga. Check out the PD firms advertising in this issue.

IFF TO ARCHIE

I am a devoted user of the Amiga operating system but I'm forced to work with the Archimedes and its art programs at school. I am desperate to find a program to convert my *Brilliance!* creations so that they can be loaded into Archimedes programs such as *Artisan*.

Don't think I'm knocking the Archimedes here (well.....not much). I'm sure if I could get used to them I would love the irritating control methods and mid-screen floating windows (yeah, right), but at the moment, it takes me a lot of precious GCSE class time desperately attempting to create a masterpiece that I could summon up in a tenth of the time at home using my A1200.

I'm sure such a program would be of great use to hundreds of students attending schools that still force us to use the Archimedes as the preferred design machine.

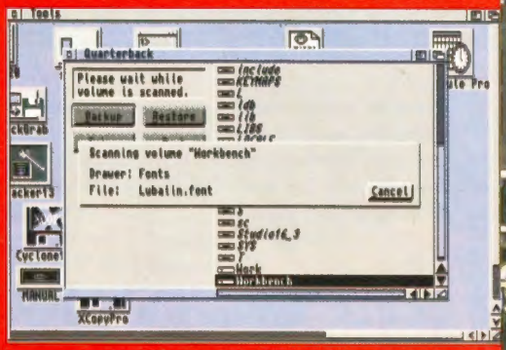
It would also be useful to be able to import structured drawing into an Archimedes program such as *Draw + Edit* as well. Do you know of a program that could handle such a task? If not, why doesn't some programmer out there give it a go? I'm sure they would have a big market from students everywhere.

John Richardson, London

Having tried to steer clear of the Archimedes, I'm not entirely familiar with what file format it uses. It surely must be capable of importing a GIF, or a TIFF or PCX file? What about TARGA? There are many PD file conversion programs that can translate between these formats and the IFF format used by the Amiga.

Continued overleaf ☛

BACKING-UP YOUR HIGH DENSITY DISKS



It's not the simplest of methods, but backing up your high density disks with *Quarterback6* is possible.

I am writing regarding your review of *QuarterBack* in *AF*57. You say that *QuarterBack6* doesn't back-up to high density disks. This is true because there are no options to do so. But I have found a way of backing-up to HD disks. I have been using this method with version 5 for quite a while and it also works with version 6.

Just insert a formatted HD disk into the HD drive before loading *QuarterBack6*. Leave the disk in there until you have chosen the required file to back up. Then, when the options appear for drive method only, select the drives that are HD, in my case DF0: (as I have A4000).

If you don't, then a message will appear informing you that all selected drives must have the same capacity.

It will now go-ahead and calculate the back-up size showing you that you now only require half the number of disks than before. Eject the disk and insert your first HD back-up disk and start the back-up. And off it goes backing-up on to high density disks.

To restore the back-up from high density disk can be done with the same method, but insert a formatted HD disk before loading up the *Quarterback* program. Do you think Central Coast Software know about this?

By the way I think your magazine is great!! I've been buying it since Issue one.

Gurmail Dhaliwal, Hates, Middlesex

Thanks very much for the information. I don't think that Central Coast do know about this. Being able to use HD disks obviously makes the software more useful to A4000 owners. However, the verdict remains the same – it certainly isn't a very friendly way of going about it.

If anyone has any queries about reviews, or has any useful tips for using software or hardware that may be of use to other readers, please send them in to Workbench, Amiga Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

COLOUR CONUNDRUM

I recently purchased an HP Deskjet 500C. I am very pleased with it and its print quality. However, to print a whole black and white document with a small bit of colour uses up far too much of the colour ink cartridge.

Do you, or any of your readers, know of a driver that will enable me to print the black first, using the black cartridge, and then, feed the paper through again and print the colour parts with the colour cartridge?

Richard Conway, Manchester

I don't know of any driver that will do this for you, but I would think that you could separate the document itself. Assuming that it is a DTP or word processor page that you are trying to output, you should be able to do this just by deleting the colour bits and printing out the black, and then doing the reverse and feeding the same page through again.

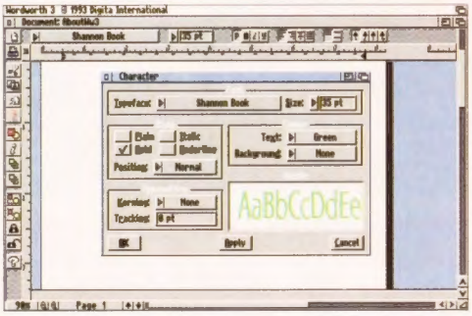


***TurboPrint* 2 gives excellent control of printer parameters, and it was free with *AF*51!**

A dedicated printer driver such as* TurboPrint2 *(AF51 Coverdisk) or the* Canon Print Studio *(call Canon on 081-459 1266) will give you more control over your colour output.

However, 24-bit IFFs would be best run through a dedicated package such as *The Art Department* from ASDG or better still, *Art Department Professional*, which is distributed by Meridian – call them on 081-543 3500.

PUBLISHER OR PROCESSOR?



How would you describe a piece of software capable of all these options? A publisher or a processor?

I won an A1200, and I have been thinking about upgrading my old *Pagesetter 2* desktop publisher, to a more advanced one. I bought *Amiga Format* 56 and tried out the *Wordworth 3* Coverdisk and was very impressed with it.

The only thing I have noticed is that *Wordworth* is always referred to as a word processor rather than a DTP program. Why is this? My budget won't quite stretch to the price of *Wordworth 3* and I was thinking about buying *Wordworth 2*. Would you recommend this? If not, could you recommend a good desktop publishing program?

Wordworth is not referred to as a DTP system, because it isn't. It falls into the murky middle ground between word processors and DTP packages. Digita themselves like to think of *Wordworth* more as a word processor, which is why we always refer to it as such.

Wordworth 2 is capable of many of the things found in *Wordworth 3* and is a real bargain at £49.99 if you buy it through our Mail Order department (see page 152).

PRO PROBLEM

When I attempt to load *Vista Pro 2* or *3*, a guru number appears which tells me to try again. The number is 8000000B. Can you help?

A P Papotto, London

What machine are you running on. Do you have a Floating Point Unit? This question is impossible to answer because you haven't given me enough information. Please give me as many relevant details as possible when writing to Workbench, otherwise I can't help you.

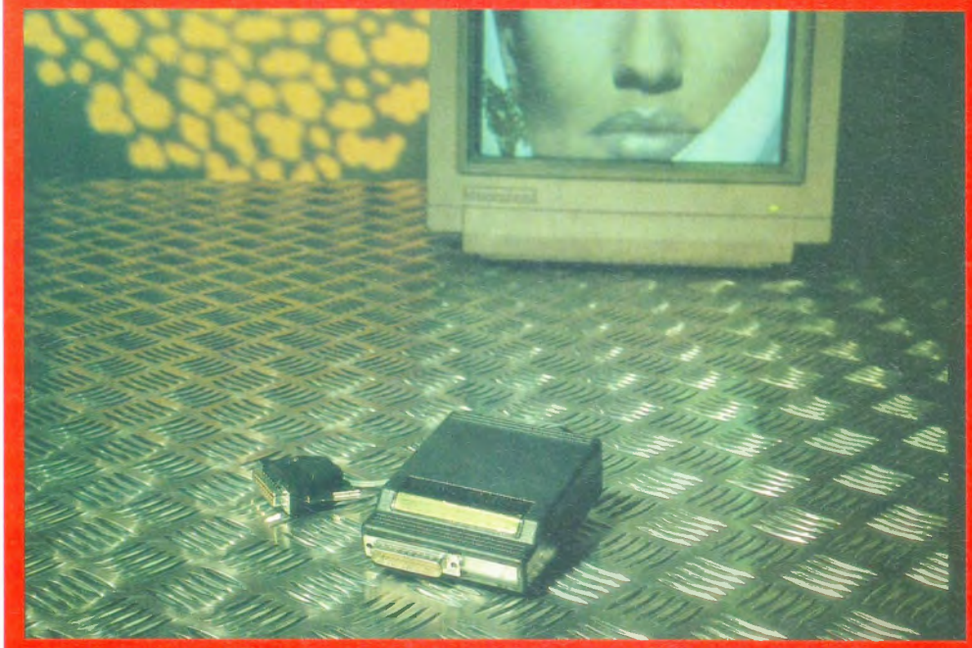
EPROM PROMPT

Can you suggest a way to connect an EPROM programmer to the Amiga? It needs an Rs232 connector, but the software is for an IBM compatible? Do you know of an Amiga EPROM programmer available anywhere?

Andrew Finn, Coventry

You may be able to use the unit you have on an Amiga with a PC Emulator. Even a software emulator such as *PC Task* may do the trick (Meridian 081-543 3500). I'm not aware of any EPROM programers for the Amiga, but I'm always keen to learn if someone else knows better.

In depth explanation DIGITISERS



A digitser acts as a link between your Amiga and your video, changing the video signal into binary data.

1 A digitiser is a device which turns a video signal into binary data which your computer can then turn into a standard IFF image.

2 There are two basic types of digitiser – slow scan and fast scan. A slow scan digitiser will require a very stable and still video image to be provided while the conversion process takes place.

3 Only cameras and high performance video decks are capable of providing an image still enough for a slow scan digitiser.

4 A fast scan digitiser uses a large memory buffer and a fast ADC (Analogue to Digital Converter) to capture the image. The image may not be displayed instantly, but it has been captured.

5 Historically, slow scan digitisers, such as *DigiView Gold* (*AF*40, 90 per cent, was £149 from NewTek but now difficult to find) give better results, but new fast scan digitisers, such as *V-Lab* and *Vidi 12* give just as good results. (V-Lab: *AF*35, 88 per cent, standard version £280 plus VAT from Amiga Centre Scotland 0896 87583. Vidi 12: *AF*50, 90 per cent, about £100 from Rombo 0506 466601.)

6 The quality of digitised images, with the new digitiser technology, is more dependant on the quality of the source rather than the quality of the digitiser.

7 Grabbing moving sequences of images is more expensive. Systems such as *V-Lab*, with interleaved frame recording, get around this by grabbing from video, which can be rewound. After a number of passes, the sequence can be grabbed.

TECHNICAL JARGON – BUSTED AND EXPLAINED

If you don't understand some of the terms or abbreviations in the Workbench letters, then find enlightenment here:

BBS – Bulletin Board System. This is the name given to a computer and modem system set up to recieve and transmit information over a phone line. A typical BBS will have areas for people to send messages to each other and file areas so you can download software and other binary data files. If you have a modem, try calling *AF*'s own Spong! BBS on 0225 311647.

CPU – The Central Processing Unit of a computer is a highly complicated logic device, which is capable of performing many different binary operations. The CPU controls the operation of the computer, telling the other parts what to do and when. Modern CPUs are usually based on a single highly-integrated processor chip. The Amiga uses the Motorola 68000 series of chips (as does the Apple Macintosh).

DOS – This term is an abbreviation for Disk Operating System, and is a throwback to the days when you had to boot the operating system from floppy disk. The Amiga's operating system is called AmigaDOS and is based on the multi-tasking mainframe operating system, Tripos. The operating system is low level software that tells the computer hardware how to deal with displays, the keyboard, disk drives and so on.

EPROM – An Eraseable Programmable Read Only Memory is much the same as an ordinary ROM in all but one respect. The information on an EPROM can be erased and reprogrammed. This is usually done with intense uv light and a special programmer unit, which uses high voltages to establish links in the ROM.

AMITEK
FRIENDLY TECHNOLOGY

Designed to bring you high quality and performance at affordable prices, AmiTek peripherals offer outstanding value-for-money. They are built to ensure easy fitting, and trouble free operation - making them a pleasure to use. AmiTek products are also thoroughly tested and very reliable, so reliable that we are pleased to offer a full two year warranty on the AmiTek products detailed here.

AMITEK - 'FRIENDLY TECHNOLOGY'

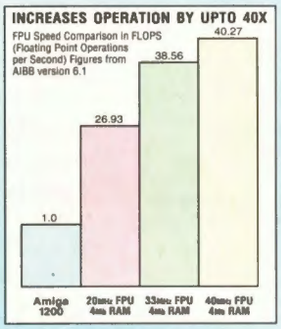
AMIGA PERIPHERALS

FOR ALL AMIGA SYSTEMS

HAWK RAM UPGRADE & MATHS ACCELERATOR

FOR THE AMIGA 1200

Maximise the processing power of your standard A1200. Be ready for the new generation of software which makes more demands on Amiga memory and technology. The AmiTek Hawk RAM expansion includes up to 8Mb fast, 32-bit RAM, the ability to support a sophisticated 68882 FPU (Floating Point Unit - drastically increases the speed of maths intensive operations) and a battery backed up clock. Built to a high standard, this board can be easily installed and comes with a 2 year warranty. The Hawk RAM board is available in 9 pre-configured versions enabling you to select the model which best suits your requirements.





- Plugs straight into A1200 trapdoor - No soldering required
- Upgradeable FAST RAM board to 1, 2, 4 or 8Mb
- Uses industry standard socketed SIMMs for easy upgrades
- Two types of optional Floating Point Unit - 33MHz or 40MHz PLCC 68882 co-processor
- Comprehensive easy to follow manual with illustrations
- Works with all A1200 and A1200HD computers
- Does not invalidate your A1200 warranty
- 2 year warranty

	NO FPU	33 MHz FPU	40 MHz FPU
1 Mb RAM	£99	£159	-
2 Mb RAM	£139	£199	-
4 Mb RAM	£199	£259	£299
8 Mb RAM	£399	-	£499

PRICES FROM ONLY

1Mb RAM, NO FPU

£99

INC VAT - RAM 1210

1Mb SONY 3½" DELUXE FLOPPY DRIVE

FOR ALL AMIGA COMPUTERS



'Amitek's new disk drive combines an elegant design, high build quality and smooth performance in a very affordable package. Highly recommended'. Jason Holborn - Leading Amiga Journalist

DELUXE FEATURES

The AmiTek drive has been specially designed to meet the needs of Amiga users and has many deluxe features which are not included in other drives - check out the competition!

ANTI-CLICK

The anti-click feature stops your drive from making lengthy whirs and clicks that occur when the drive is empty and searching for a disk.

ANTI-VIRUS

The switchable Anti-Virus mode stops track 0 viruses infecting the disk while in the drive. Yet, unlike many other drives which have virus killers, this Anti-Virus mode can be disabled, allowing some fussy copy protected software to run.

ADD ADDITIONAL DRIVES

As a double sided mechanism, the AmiTek drive gives 880K of disk space after formatting. It is also daisy-chainable, which means that you may add further drives to your system and, uses very little power from your Amiga.

- HIGH QUALITY 3½" SONY MECHANISM
- STRONG METAL CASING
- BUILT-IN ANTI-CLICK FEATURE
- SWITCHABLE ANTI-VIRUS MODE
- ENABLE/DISABLE SWITCH

HIGH QUALITY SONY MECHANISM

AmiTek took the time to source a mechanism that has all the features, quality and reliability that Amiga owners have been crying out for. After vigorously testing Sony's mechanism, it proved to be the best by far available.

- 75MS ACCESS TIME
- DAISY CHAINABLE VIA THRU PORT
- LOW POWER USAGE
- NO NEED FOR EXTERNAL PSU
- 2 YEAR WARRANTY

Details taken from models available MARCH '94	ANTI-CLICK	ANTI-VIRUS	STRONG METAL CASE	QUALITY SONY MECHANISM	TOP RATED CU-AMIGA MAY '94 90%	2 YEAR WARRANTY
AMITEK	✓	✓	✓	✓	✓	✓
CUMANA	-	-	-	-	-	-
POWER E	-	-	✓	✓	-	-
ZAPPO	-	-	✓	-	-	-

EXTERNAL DRIVE

£59

INC VAT - DRI 1159

1Mb INTERNAL FLOPPY DRIVE

FOR AMIGA 500/500PLUS



The internal AmiTek replacement drive is ideal for users who wish to replace their existing internal drive.

The pack features a high quality internal 1Mb, 3½" drive mechanism for the Amiga 500/500PLUS. All you need to fit the drive is included, plus easy to follow fitting instructions and 24 months replacement guarantee.

2 YEAR WARRANTY

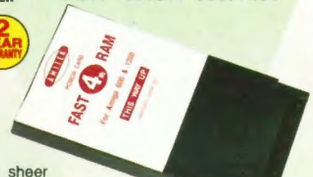
INTERNAL DRIVE

£44

INC VAT - DRI 3600

PCMCIA CARDS

FOR AMIGA 600/1200



For sheer ease of use and flexibility you can't beat AmiTek's PCMCIA RAM upgrades. These compact credit card sized upgrades slot into the PCMCIA port on your A600 or A1200, increasing the RAM by 2Mb or 4Mb.

2Mb CARD	4Mb CARD
£119	£179
INC VAT - RAM 6020	INC VAT - RAM 6040

MODULATOR

FOR ALL AMIGAS



The AmiTek External Modulator makes an ideal replacement modulator for all Amiga owners. Everything needed is supplied. Like all AmiTek peripherals, it comes with an easy to follow manual.

- User friendly manual included
- High quality design
- FREE RF cable supplied

MODULATOR

£34

INC VAT - MOA 4200

RAM UPGRADES

FOR AMIGA 500/600

Many business packages and advanced games require more than your Amiga's standard memory capacity to run at their full potential. The AmiTek range of RAM upgrades is the perfect way to add that extra memory capacity to your system. The following RAM upgrades are all trapdoor cards and fitting will not affect your Amiga's warranty.

2 YEAR WARRANTY

A500 - Low cost 512K upgrades, with or without a battery backed clock.

512K - NO CLOCK	512K - WITH CLOCK
£20	£25
INC VAT - RAM 0505	INC VAT - RAM 0510

A500PLUS - The A500PLUS has a battery backed clock built-in, so these 1Mb RAM upgrades do not require this.

1Mb UPGRADE

£30

INC VAT - RAM 0520

A600 - Low cost 1Mb RAM upgrades, with or without a battery backed clock.

1Mb - NO CLOCK	1Mb - WITH CLOCK
£30	£40
INC VAT - RAM 0805	INC VAT - RAM 0810

THE SILICA SERVICE

16582403/4

SILICA 1978 15 1993 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. We can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M A YEAR COMPANY:** With over 200 staff - We are solid, reliable and profitable.
- **CORPORATE & EDUCATION DIVISION:** Volume discounts are available. Tel: 081-308 0888.

- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you, with special offers and full details of hardware, peripherals and software.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

SILICA IS A DIVISION OF PRODIS PLC

MAIL ORDER: 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX **Tel: 081-309 1111**

CHELMSFORD SHOP:	Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA	Tel: 0245 490654
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	Tel: 081-688 4455
GLASGOW SHOP:	Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR	Tel: 041-248 3896
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	Tel: 0473 287092
LONDON SHOPS:	52 Tottenham Court Road, London, W1P 0BA	Tel: 071-580 4000
	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Tel: 071-629 1234
MANCHESTER SHOP:	Debenhams (3rd Floor), Market St, Manchester, Lancashire, M60 1TA	Tel: 061-839 3654
SIDCUP SHOP:	1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX	Tel: 081-302 8811
SOUTHEND SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Tel: 0702 468039

To: Silica, AMFOR-0594-125, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: ..... Surname: .....

Company Name (if applicable): .....

Address: .....

..... Postcode: .....

Tel. (Home): ..... Tel. (Work): .....

Which computer(s), if any, do you own? 125H

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.



INTRODUCTION TO WORKBENCH

Pat McDonald continues his guide to how to get the most out of Workbench by explaining how to print out information from your Amiga on to paper.

Part 5

OVER A DECADE ago, some people were predicting the advent of a paperless society. Computers would handle all of our information and business transactions through electronic and magnetic means, and all postal workers would be out of a job. All that we've ended up with so far is computerised junk mail.

But hey, I'm not here to bitch. You want to know how to get documents from inside your Amiga into the real world. To do this, you need a printer and a cable.

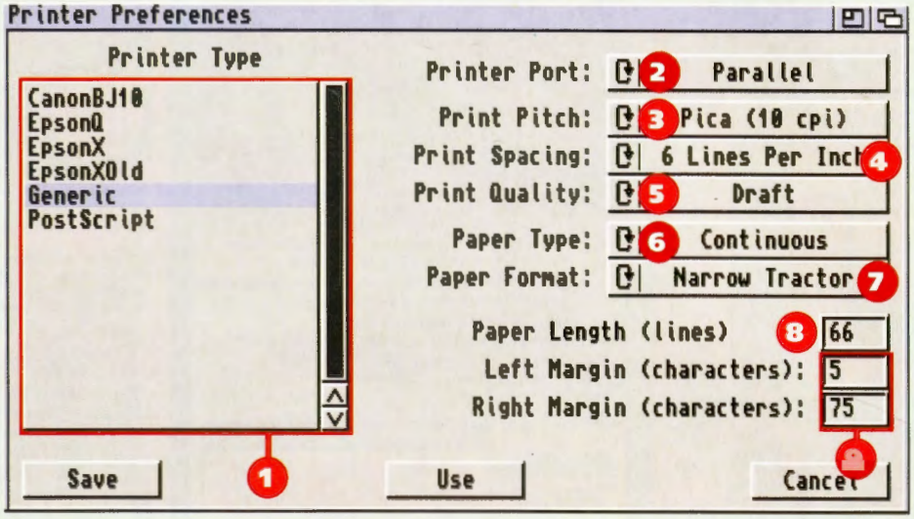
As far as the Amiga is concerned, there are two different sorts of printer – parallel and serial. The difference between them is which port the printer is connected to. You can have both kinds of printer connected at the same time, but the Amiga will only talk to one at a time. However, you can't plug in a serial printer to the parallel port, or vice versa.

At the cheaper end of the market most of the printers are parallel, which is a good thing because parallel communication is faster than serial. Its speed is due to the fact that the Amiga sends ons and offs through eight pieces of wire at a time, rather than sending one at time through one piece of wire.

Obviously if you have something else plugged into your Amiga's parallel port, such as a video digitiser, you need to unplug it before you can connect your printer. Make sure that you always switch off your Amiga before you change over because if you do this with the Amiga switched on, you can damage the parallel port.

One way around this problem is to use a data switch box which lets you switch between parallel port devices. Many companies sell data switch boxes, but because the Amiga can listen as well as talk through the parallel port, sometimes gadgets such as sound samplers or video digitisers don't work with switch boxes. Always make sure a data switch box fulfils all your needs before you buy.

SETTING UP PRINTER PREFERENCES



1 TYPE: which driver to use. Unless a driver has been copied to the printers drawer in the Devs drawer on your everyday Workbench disk, it will not appear here.

2 PORT: selects whether the computer will print to the parallel or serial port.

3 PITCH: the spacing, in characters per inch (CPI) that printed letters use.

4 SPACING: how many lines of text appear per inch down the page.

5 QUALITY: Whether to use fast draft printing or posher-looking Near Letter Quality (NLQ).

6 PAPER TYPE: whether the paper is continuous (with the holes at the edges) or just single sheets. Continuous is called Fan-fold on Workbench 2 systems.

7 PAPER FORMAT: whether the printer is narrow or wide tractor (for use with continuous paper – wide tractors can accept wider paper). Also various common sizes (A4, A5) for single sheet paper.

Custom is a dummy size that sticks to the length and margin settings – handy if you have a ream or two of Foolscap-sized paper lying around ready to be used.

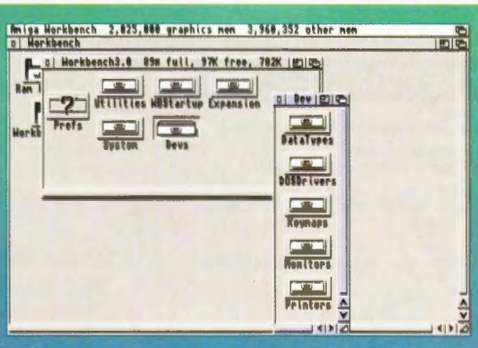
8 LENGTH: how many lines of printed text will fit on to a page.

9 MARGINS: how many blank spaces are skipped at the left and right hand edges of a page.

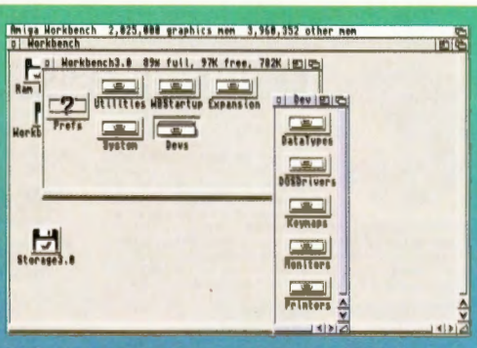
HOW TO COPY A PRINTER DRIVER

Printers vary a lot. and one of the differences is called the printing protocol. This is how the printer interprets the codes the Amiga sends it. The way the Amiga copes with this diversity is to have a set of different interpretation programs called drivers. There's only one driver on the Workbench disk, it's called Generic and it's designed to put words out to just about any printer, but it's useless for graphics.

There are some extra drivers in the Printers drawer on the Storage disk. I'm assuming that you have Workbench 3, but no matter what Amiga you have, printer drivers always have to be in the Printers drawer inside the Devs drawer. To copy a printer driver, just follow these steps:

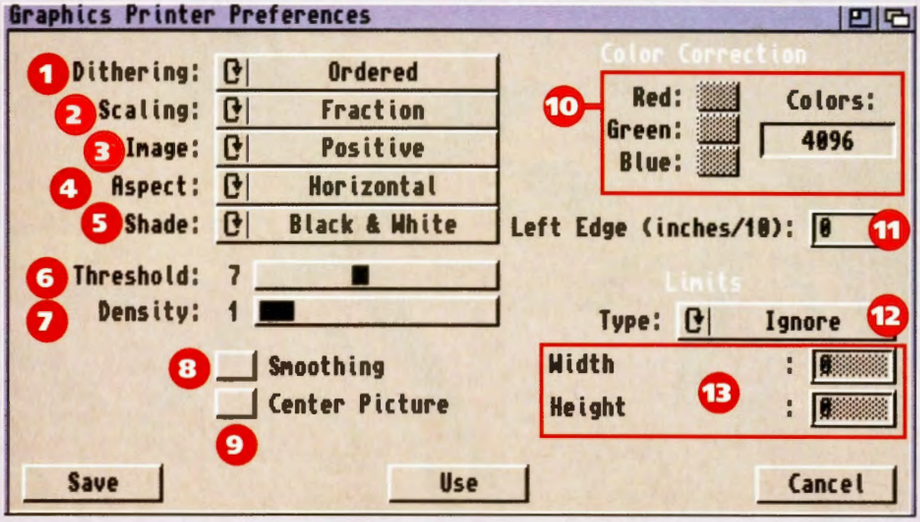


1 Double-click on the Workbench icon, and again on the Devs drawer then remove the Workbench disk. Remember to always use a copy of your Workbench disks, not the original disks.



2 After you have removed your copy of Workbench, insert the Storage disk. An icon for it should appear, but you may have to rearrange the display to see it.

SETTING UP GRAPHICS PRINTING



1 DITHERING: there are three dithering options from which to choose:
A. Ordered is the most basic form and prints a square block for each pixel on the screen.
B. Half tone varies the size of dot according to the darkness of each pixel.
C. Floyd-Steinberg, which is a slow, complex dither that generally improves any computer graphics printout.

2 SCALING: fraction scaling will stick to the page size defined by Limits (number 10), which can distort images. Integer prints a squarer image, but it might not fit on the page.

3 IMAGE: only affects black and white or grey scale printing. Can be set to positive (normal) or negative (weird).

4 ASPECT: the choices are Vertical or Horizontal, or portrait and landscape as they are called by artists and designers.

5 SHADE: four choices here: Black and White, which most printers use; Grey Scale 1, which converts colours to a smooth range; Grey Scale 2, which uses only four shades of grey; and Colour, which can only be used by colour printers.

6 THRESHOLD: sets the print limit for black and white printing only. That is, how dark a colour is before it is printed rather than being left as white paper.

7 DENSITY: a lot of printers only have one print density – think of it as how much ink the printer uses. A higher density may have more detail, but more often than not it just looks smudged. Even if you do get better results, it takes longer to print.

8 SMOOTHING: tries to smooth out jagged edges and diagonal lines.

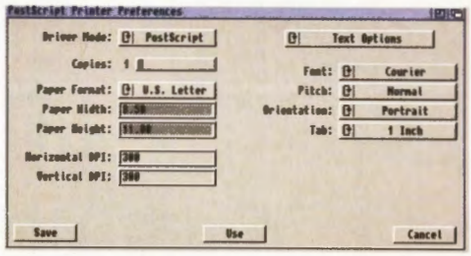
9 CENTER PICTURE: select this to print a picture in the middle of the page. This will override the Left Edge setting.

10 COLOUR CORRECTION: only used by colour printers, this reduces the number of colours that the driver interprets. Most colour printers find it impossible to print the full colour range of the Amiga.

11 LEFT EDGE: how much of a gap to leave from the left hand edge of the paper. The gap is specified in tenths of an inch, or millimetres if you select Use Metric System from the Settings menu.

12 LIMITS: how the Width and Height limits are interpreted. This can be set to; Ignored, which makes them irrelevant; Bounded, which turns them on (any part of a picture outside the limit is not printed); Absolute, which lets you print tiny pictures specified in tenths of an inch; Pixels, which prints unusually-sized pictures larger than the Amiga can display; Multiply, which is handy for printing large pictures on a wide carriage printer.

13 WIDTH/HEIGHT: the paper size set in tenths of an inch, or millimetres if you select Use Metric System from the Settings menu.



If you want to use your Amiga with a Postscript printer, you can change the settings by using the Workbench 3 Preference program called PrinterPs.

POSTSCRIPT PRINTERS

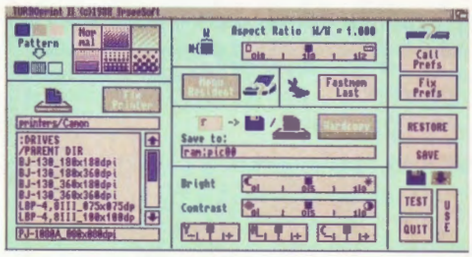
Many years ago, Apple produced a protocol for their laser printers, called Postscript. These days Postscript printers are regarded as the most flexible and the best available, which is why there is a Postscript printer driver included on Workbench 3. Postscript printers generally produce a better quality output, because they use scalable font technology.

They also use a system called a Page Description Language, which makes the printer drivers far more complicated, but can significantly reduce the time taken to print a page.

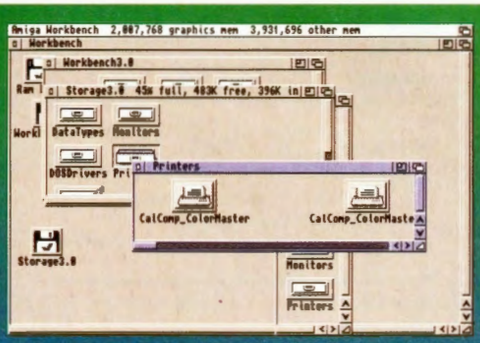
In order to use a Postscript printer, you need to copy the right file to Devs/Printers, and also run the PrinterPS Preference utility. This overrides the other Preference programs and is designed to cope with the higher resolution and capabilities of Postscript printers.

However, you do not need to get Workbench 3 in order to use a Postscript printer with the Amiga. *TurboPrint 2*, which was on the Coverdisk of *Amiga Format* Issue 51 is more than up to the job, and boosts the performance of most printers quite considerably.

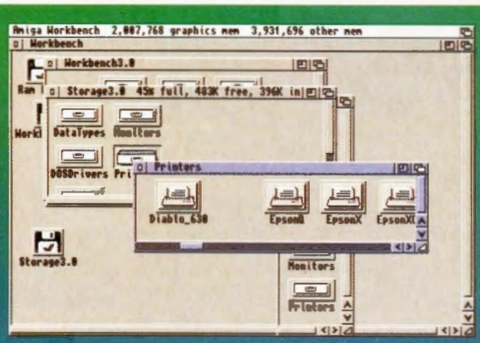
If you are hunting for a particular driver, I recommend you get a copy of this program instead – it sorts out about 90 per cent of Amiga printing problems.



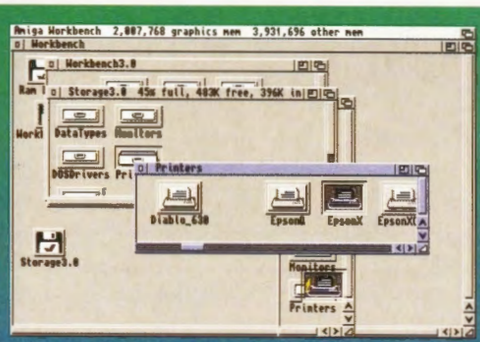
TurboPrint 2 which was on the *AF*51 Coverdisk is an excellent printing utility that drives most printers to their full printing capability – and it's fast!



3 Once you have located the Storage disk icon on the screen, double-click on it to open the disk's window, and then double-click again on the Printers icon to bring up the printer preferences.



4 Move through the list of printers until you see one that is compatible with your printer. Most printers will cope with EpsonX, although this doesn't usually do as good a job as a proper driver.



5 Click and hold on the printer driver icon, and drag it to the Printers drawer inside the Devs window. After a lot of disk swapping, the driver will be copied.

THE EAGERLY AWAITED UPGRADE TO THE WORLD FAMOUS MUSIC X 1.1 FEATURED ON THE COVER DISK OF LAST MONTH'S AMIGA FORMAT IS NOW AVAILABLE EXCLUSIVELY TO AMIGA FORMAT READERS.

MUSIC X 2.0

MUSIC X 2.0 HAS ALL THE FEATURES OF THE ORIGINAL PROGRAM WITH THE ADDITION OF NEW POWERFUL MODULES THAT MAKE THE TASK OF CREATING SONGS EVEN EASIER THAN BEFORE. MUSIC X 2.0 IS NOT ONE BUT TWO POWERFUL AND EASY TO USE PROGRAMS - MUSIC X AND NOTATOR X

Music X - The complete recording studio

- **The Sequencer** - Record your tunes in real-time and specify where in a recorded sequence your additional recording or playback will commence. You can store up to 250 individual sequences, or add sequences together to give even more space.
- **The Bar Editor** - Modify your sequence's events individually or collectively. This powerful tool makes complex MIDI operations easy.
- **Event Editor** - This contains your entire song in list format with each event described textually - ideal for those Soundtracker style programs.
- **Keymap Editor** - A comprehensive tool which lets you assign different events or sequences to every key of a MIDI keyboard.
- **Amiga Audio Player** - Expanded to support more than a dozen additional MIDI commands when playing samples, making your Amiga perform as a 16 channel, polyphonic synthesiser. Recognise Attack Velocity when playing Amiga samples.
- **DeFlam** - This new module allows you to remove grace notes and finger crushes which may occur while recording without quantizing.
- **Quantize** - The enhanced quantizer module allows more accurate selection of what to quantize and support groups such as Triplets.
- **Print Event List** - Print parts or whole sequences to a file or disk to allow you easier editing.
- **RexxEdit** - combine this module with ARexx and Workbench 2.04 and create you own functions and features within the program.

Notator X - The complete score writing package

- **Score** your music in traditional notation - use quavers, bars, clefs, triplets and ties. Notator X supports up to 18 staves and 36 tracks. Use the Set Bar requester to define key signatures, time signatures, repeats and endings, bar lines and numbers.
- **View** your pages in Large, Small or Normal size. Position your palette at the top, bottom, left or right of the screen. You are only limited on page size by your printer.
- **Enter** and Edit scores using either mouse or keyboard. Cut, copy, multiple paste and delete. Load and save in Music X or MIDI file formats.
- **Write** up to six verses of lyrics. Notes are automatically spaced to match the size of each word positioned underneath. Position text anywhere on the page showing that phrase markings and additional verses.
- **Assign** any legal time signatures to any bar, assign key signatures to any staff at any bar. Clefs may be positioned anywhere throughout the score - incorporate repeat bars, first, second and third time endings. Notator X also supports Segnos and Codas.

Are you qualified for this brilliant upgrade offer?

£79.99 Music X 1.1 owners *

£99.99 Amiga Format readers *

£14.99 if you missed the Music X 1.1 manual offer in AF 58 *

OFFER 1 - £79.99

** £79.99 inc post & packing - all owners of the original Music X 1.1 qualify for this offer - simply send back your original disks with payment to receive your new disks and manual plus of course your original disks back.*

NAME
ADDRESS
POSTCODE TOTAL
PHONE
Visa / Mastercard / Switch Number:
Switch Issue No: Cord Expiry Date:
SIGNATURE:

OFFER 2 - £99.99

** £99.99 inc post & packing - all AF readers qualify for this offer- simply send back your cover disk from issue 58 of AF with your payment to receive your new disks and manual plus of course your original cover disk.*

NAME
ADDRESS
POSTCODE TOTAL
PHONE
Visa / Mastercard / Switch Number:
Switch Issue No: Card Expiry Date:
SIGNATURE:

OFFER 3 - £14.99

** £14.99 inc post & packing - so you missed last month's offer of the original Music X 1.1 manual to go with the cover disk. Simply send your payment to receive this 500 page manual and unlock the secrets to this powerful tool (note this is not an upgrade to Music X 2.0).*

NAME
ADDRESS
POSTCODE TOTAL
PHONE
Visa / Mastercard / Switch Number:
Switch Issue No: Card Expiry Date:
SIGNATURE:

Make cheques payable to:
European Computer User & send to:
Units A2/A3 Edison Road St. Ives,
Huntingdon CAMBS PE17 4LF
Please allow 28 days for delivery

The Software Business

MasterCard VISA

DIRECT MARKETING ASSOCIATION

MEMBER OF THE DIRECT MARKETING ASSOCIATION

SEIKOSHA QUALITY PRINTERS

PRICES FROM ONLY £109 + VAT

FREE DELIVERY • FREE PRINTER KIT WITH DOT MATRIX PRINTERS

FREE! FROM SILICA

- **DELIVERY** — Next day - anywhere in the UK mainland.
- **HELPLINE** — Technical helpline during office hours.
- **AMIGA DRIVER** — Seikosha Plus Printer Driver with SL-96

For extra high quality output. Features include:

- Definable Dither Routines
- Up to 256 Shades of Grey
- 16-point Colour Adjustment
- Enhanced Print Speeds
- Ink Compensation Correction
- Controls Printer Typefaces, Graphics/Paper Size, Margins
- Workbench 2/3 GUI

- **PRINTER KIT** — With Seikosha dot matrix printers



Every Seikosha dot matrix printer from Silica comes with a FREE Printer Kit, worth £29.38 inc VAT.

- 3½" Disk with Amiga & ST Printer Drivers
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Quality Continuous Paper
- 50 Continuous Tractor Feed Address Labels
- 50 Continuous Tractor Feed Disk Labels

ACCESSORIES

CODE	DESCRIPTION	PRICE INC VAT
	SHEET FEEDERS	
PRA 8771	ASF for SpeedJet 200 - 70 sheets	£38.13
PRA 9020	Cut Sheet Feeder - SP2000/2400/1900+	£86.35
PRA 9092	Cut Sheet Feeder - SL90/92/95	£86.35
	RIBBONS	
RIB 8018	Black Fabric Ribbon - SP1900 Plus	£5.46
RIB 8025	Black Carbon Ribbon - SP1900 Plus	£8.64
RIB 8292	Black Carbon Ribbon - SL90/92/95/96	£8.99
RIB 8294	Black Fabric Ribbon - SL90/92/95/96	£4.13
RIB 8298	Colour Ribbon - SL95/96	£11.25
	INKJET CARTRIDGES	
RIB 1182	Inkjet Head - Speedjet 200 (inc 2 cartridges)	£25.00
RIB 1193	Inkjet Pack - Speedjet 200 (2 cartridges)	£6.69
RIB 1205	Inkjet Cartridge - Speedjet 300	£44.35

SPECIAL OFFER



PRINTER STAND
FOR SEIKOSHA 80 COLUMN DOT MATRIX PRINTERS

- Adjustable two piece printer stand
- Helps keep pace with Seikosha printer's powerful paper handling
- Saves space and protects continuous stationery from dust and damage
- Compatible with bottom and rear feed printers

LESS THAN HALF PRICE!
When purchased with a Seikosha Printer

NORMAL RRP ~~£9.32~~ inc VAT

£4 +VAT=£4.70 PRA8700

FAST! LOW COST COLOUR

24 PIN 240 CPS 80 COLUMN



ON-SITE WARRANTY
1 YR - ONLY £10+VAT - POS 8515

- Seikosha SL-96
- 24 pin - Dot Matrix
- 240cps SDraft, 84cps LQ
- 42K Printer Buffer
- 2 Scalable Fonts + 8 Bitmap Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson LQ870 Emulation Colour Function
- Colour Windows Driver as Standard
- Colour Printing as Standard (Includes Colour Ribbon - Black Ribbon Optional)
- Friction Feed/Push Tractor
- Optional Automatic Cut Sheet Feeder
- FREE Silica Printer Starter Kit

RRP ~~£249~~ **SAVE £80**

PRINTER RRP £249
PRINTER KIT... £25
TOTAL VALUE: £274
SAVING: £105
SILICA PRICE: £169

£169 + VAT = £198.58 PRI 8311

IDEAL STARTER MODEL

9 PIN 192 CPS 80 COLUMN



ON-SITE WARRANTY
1 YR - ONLY £10+VAT - POS 8515

- Seikosha SP-1900 Plus
- 9-Pin Dot Matrix
- 80 Column
- 192cps Draft, 48cps NLQ
- 1K Printer Buffer + 2 Fonts
- Parallel Interface
- Graphics Resolution: 144 x 72dpi
- Epson and IBM Emulation (Windows compatible using Epson/HP drivers included as standard in Windows 3.1.)
- Automatic Sheet Feeder Option
- Auto Paper Load, Paper Parking
- FREE Silica Printer Starter Kit

RRP ~~£149~~ **SAVE £40**

PRINTER RRP £149
PRINTER KIT... £25
TOTAL VALUE: £174
SAVING: £65
SILICA PRICE: £109

£109 + VAT = £128.08 PRI 8195

180 CPS ▼ SPECIAL VALUE INKJETS ▼ 30 CPS



ON-SITE WARRANTY
1 YR - ONLY £10... - POS 8515

- SpeedJET 200 - Inkjet Printer
- 50 Nozzle Inkjet Head
- 180 CPS Draft, 120 CPS LQ (10cpi)
- 128K Printer Buffer - 3 Built-In Fonts
- 1 x IC Slot for Buffer Expansion/Fonts
- Parallel Interface - Graphic Resolution 300 x 300dpi
- HP Deskjet Plus Emulation (PCL3+)
- Windows Driver Standard
- Semi Automatic Single Sheet Feeder
- Optional Automatic Sheet Feeder - 70 Sheets (£35 + VAT)
- Ultra-Quiet - Less Than 45 dB/A

NEW LOW PRICE! RRP ~~£235~~ SAVE £76

PRINTER RRP £235
TOTAL VALUE: £235
SAVING: £76
SILICA PRICE: £159

AMIGA VERSION / PC VERSION
Ref: PRI 8019 / Ref: PRI 8022

£159 +VAT=£186.83



ON-SITE WARRANTY
1 YR - ONLY £24.63+VAT - POS 8515

- SpeedJET 300 - Inkjet Printer
- High Capacity 128 Nozzle Head
- 24K Printer Buffer - 3 Built-in Fonts
- Large Ink Tank - up to 4.2 Million Characters
- 300 CPS Draft - 300 CPS LQ (10cpi) 80% Faster Than Most of the Competition
- 2 IC Card Slots for Buffer Expansion + Fonts
- Parallel Interface - Optional Serial Interface
- Graphics Res. 300 x 300dpi
- HP Deskjet Emulation PCL3 - (Windows compatible using Epson/HP drivers included as standard in Windows 3.1.)
- Built-in Auto Sheet Feeder - 100 Sheets
- Economical to Run - only 1.3p per page
- Ultra Quiet - 46dB(A) Maximum

NEW LOW PRICE! RRP ~~£360~~ SAVE £150

PRINTER RRP £350
TOTAL VALUE: £350
SAVING: £150
SILICA PRICE: £209

£209 +VAT=£245.58 - PRI 8030

24 PIN 240 CPS 80 COLUMN



ON-SITE WARRANTY
1 YR - ONLY £10... - POS 8515

- Seikosha SL-90PLUS
- 24-Pin Dot Matrix
- 80 Column
- 20K Buffer + 9 Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson LQ850 Emulation
- Windows Driver as Standard
- Semi-Automatic Sheet Feeder, Paper Parking, Optional Automatic CSF
- FREE Silica Printer Starter Kit

NEW LOW PRICE! RRP ~~£180~~ SAVE £75

RRP ... £180
PRINTER KIT ... £25
TOTAL VALUE: £214
SAVING: £75
SILICA PRICE: £139

£139 +VAT=£163.33 - PRI 8293

THE SILICA SERVICE

17000903/4

SILICA 15 YEARS 1978 1993 SERVICE TO YOU

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M COMPANY** (with over 200 staff): We are solid, reliable and profitable.
- **CORPORATE & EDUCATION DIVISION:** Volume discounts are available. **Tel: 081-308 0888.**

- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with special offers and full details of hardware, peripherals and software.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request)

SILICA

HOT LINE 081-309 1111

SILICA IS A DIVISION OF FREDS PLC

MAIL ORDER: 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX **Tel: 081-309 1111**

CHELMSFORD SHOP:	Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA	**Tel: 0245 490654**
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	**Tel: 081-688 4455**
GLASGOW SHOP:	Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR	**Tel: 041-248 3896**
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	**Tel: 0473 287092**
LONDON SHOPS:	52 Tottenham Court Road, London, W1P 0BA	**Tel: 071-580 4000**
	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	**Tel: 071-629 1234**
MANCHESTER SHOP:	Debenhams (3rd Floor), Market St, Manchester, Lancashire, M60 1TA	**Tel: 061-839 3654**
SIDCUP SHOP:	1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX	**Tel: 081-302 8811**
SOUTHEND SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	**Tel: 0702 468039**

To: Silica, AMFOR-0594-84, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE SEIKOSHA RANGE

Mr/Mrs/Miss/Ms: ..... Initials: ..... Surname: .....

Company Name (if applicable): .....

Address: .....

..... Postcode: .....

Tel (Home): ..... Tel (Work): .....

Which computer(s), if any, do you own? 84T



MUSIC X

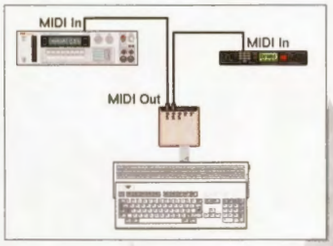
Part 1

The Music-X 1.1 program on the Coverdisk of Amiga Format 58 is a very powerful, but complicated tool. Future Music writer Maff Evans leads you through some of the basics to help you create a drum track for your first composition.

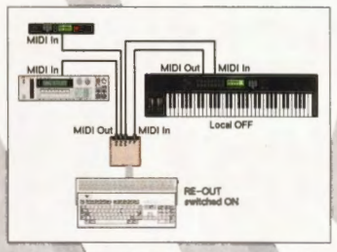
CREATING A RHYTHM TRACK

SECTION 1 – MIDI PREPARATION

Before you start using *Music-X* to record your sequences, you need to get the system configured ready for work. For this we will assume you're using a keyboard based synth with multitimbral capability (that is the ability to play different sounds on different MIDI channels) or a MIDI controller keyboard and external multitimbral sound devices.



1 Before loading *Music-X*, plug your MIDI interface into the serial port of your Amiga and plug a MIDI lead into the Out socket of the interface. Connect this up to the MIDI In of your synth or sound module. If you have more MIDI gear (and more MIDI Out sockets on the interface), connect these up in the same way.



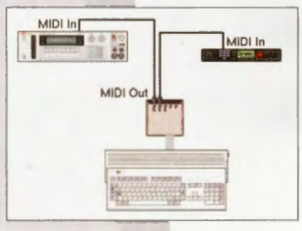
2 Connect a MIDI lead from the MIDI Out socket of your keyboard to the In socket on the Amiga interface. If you are using your keyboard for sounds, turn Local Control to Off (read the synth manual if you don't already know how to do this). This will stop notes being triggered both by the keyboard and the Amiga.



3 Load *Music-X* and select Set Filters from the Mode menu (or press right-Amiga and F). This is where you choose where MIDI messages are routed. We want to make sure that notes played on our controller keyboard will be received by the sound sources (which is called a Soft Thru facility).



4 To set up a Soft Thru, click on the number buttons next to Channel: and if the Re-out button in the bottom right-hand corner isn't lit up (yellow) click on it so that it is. Once you've done this for all channels, select Sequencer from the Mode menu (or press right-Amiga and S) to return to the main page.



5 To keep to the usual conventions of MIDI recording, we'll use channel 10 for the drum track. Set your controller keyboard to send on MIDI channel 10 and call up the drum bank on your synth or sound module. Set the multitimbral section so that the drums receive on channel 10 otherwise nothing will play.

SECTION 2 – USING THE KEYBOARD TO RECORD A RHYTHM



1 Before you start recording anything, play around with a few keys and try rehearsing a fairly simple snare and bass drum pattern. When you are happy with the way it sounds, click on the sequence underneath the Metronome Sequence to select it for recording. Then click on the Record button to bring up the record window and turn up the Amiga's sound.



2 Hit a key to start recording. After a two-bar count-in, play your drum pattern in time with the metronome. Play a couple of bars and click on the Stop button. Now you need to store the data you just recorded. To do this, click on the Store button and it will be stored in the sequence and given the name Untitled. Replace it with something more suitable (such as Kick and Snare).



3 Click on Begin, then on the next sequence in the list to prepare it for recording. Create a hi-hat line to go over the drums. Repeat the process for recording the kick and snare for the hi-hats and store it, calling it hi-hats.

USING AMIGA SAMPLES

If you don't have any MIDI equipment (or your MIDI synth doesn't have any drum sounds) you'll have to use Amiga samples for your drums. Actually creating the drum patterns is the same (usually using the mouse), but the way that sounds are organised is different.

Rather than drum sounds being different notes on the same channel, they each have their own sample number (which is used in the same way as MIDI channel numbers in the sequencer). To play a sound, you have to assign the note to play with a channel number equivalent to the sample number and with Feedback and Output set to Amiga in the edit page's Options menu (or set the Out column next to the sequence to In on the main sequencer page).

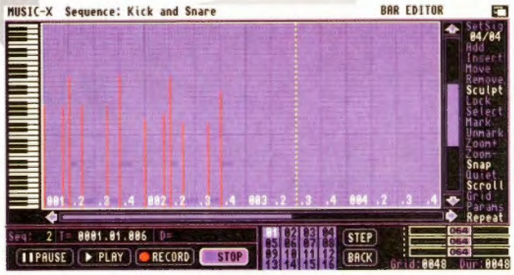
For more information (such as sample tuning and envelopes) see the Coverdisk instructions in the last issue of *Amiga Format*.

SECTION 3 – EDITING THE RHYTHM

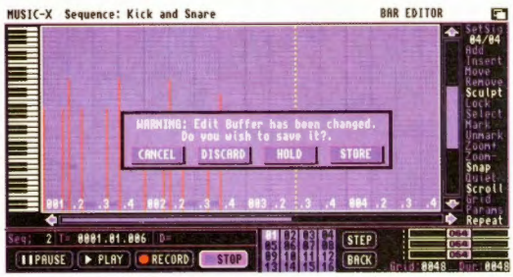
Here we will outline time correction and velocity alteration. If you are anything like me, your sequence will need it.



1 Click on your Kick and Snare sequence to select it and click on Edit to bring up the Edit window. Click on Grid and select 16th notes for both Grid and Duration (so that both are set to 048). Click OK. Now select Quantize from the Modules menu. Select All and click on Quantize. The beats should all now be in time. If this makes everything sound too rigid, experiment with using Quantize and Grid settings to make it sound a little more natural.



2 Now we'll adjust the velocities (how hard the notes were played) to get the overall balance of things right. You can set them to all be the same using Flatten Velocity in the Modules menu, but we'll use a more human approach. Select Sculpt from the right hand panel and choose Attack Velocities from the window. Now draw over the vertical bars on screen to increase or decrease the velocity values (which usually relate to volume).



3 You may also find that some of the notes are either too long or too short, in which case you should use the keys listed in the Edit Screen Notes box to alter the durations. See the Edit Screen Notes section, below, for more details about this. Then select Exit from the File menu and click on Store to exit. You can now repeat the process for the hi-hat pattern.

EDIT SCREEN NOTES



This window asks you what you want to do with the edited data when you exit the Edit screen.

To quickly carry out edits, you need to know a few methods:

Notes

Cursors: moves selected notes up, down, or makes them earlier or later (by the amount set in the Grid section of the Grid window).
Shift and Cursors: moves selected notes up or down one octave, or shrinks and expands them (by the amount of the Duration setting in the Grid window).

Sequences

Play Sequences are edited in the same way as notes, except they can only be moved up and down using the cursors. Using shift you can jump up or down 12 in the list (12 is the same as one octave for notes).

Select and Mark

Select and Mark are used for selecting multiple events. Using Select you can draw a box around the required items (the box has to surround the start of an event, but not the end, to select it). Select can be used to highlight various items scattered around the screen, whereas Mark can only select entire sections by setting vertical start and end markers. Mark also doesn't affect Play Sequences.

Events that are highlighted using Mark can't be moved left and right or resized, but other edit functions work on them as normal. To de-select all items, click on Unmark.

Leaving the edit screen

When you select Exit from the File menu, a window will pop up asking what you want to do with the data.

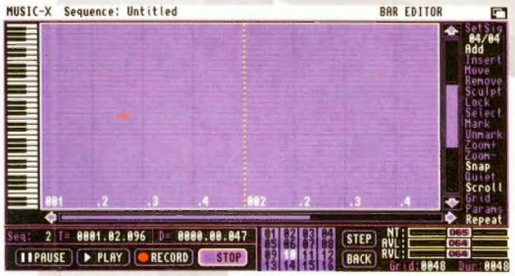
Cancel stays in the Edit screen, Discard exits the screen and ignores any changes you've made, Hold leaves the screen and holds the edited sequence in the edit buffer and Store leaves the screen and stores the changes in the sequence.

SECTION 4 – ENTERING DRUMS WITH THE MOUSE

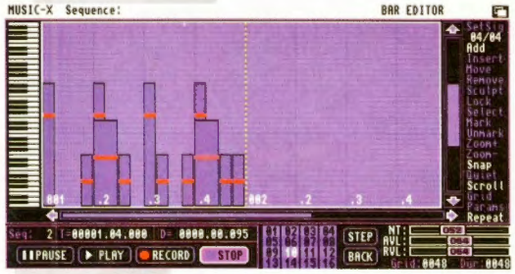
If you don't have a keyboard (just a sound module) or don't fancy playing drums by hand from a keyboard, you can always enter them using the pointer. This is also the method you should use when creating a rhythm track using Amiga samples.



1 Set up your sound source to play drums and receive on channel 10 (as in section one) and click on the sequence under the Metronome Sequence. Click on Edit to bring up the Edit Page for the sequence. Click on Grid on the right of the main window and select 16th notes for grid size and duration (the numbers should read 048). Click on 10 in the channel box (at the bottom of the screen), unless you're using Amiga samples, in which case you should select the sample number of the required sound.



2 Click and hold the mouse button somewhere in the main window and drag up and down to hear the drum sounds. When you drive a drum bank on a multitimbral synth, different notes correspond to different drum sounds. Remember where the sounds are and you'll get a drum track together much more quickly. Amiga samples will play a single sound at different pitches.



3 Use the mouse to drop in beats using the kick and snare sounds until you get a pattern that you are happy with. If you want to move, stretch or delete notes, just click on them to select them (they go hollow).



4 When you've got a kick and snare pattern together, select Exit from the File menu. Click on Store and rename the sequence something like Snare and Kicks. Click on the next sequence in the list and repeat the process for a hi-hat pattern (naming the sequence something like hi-hats).

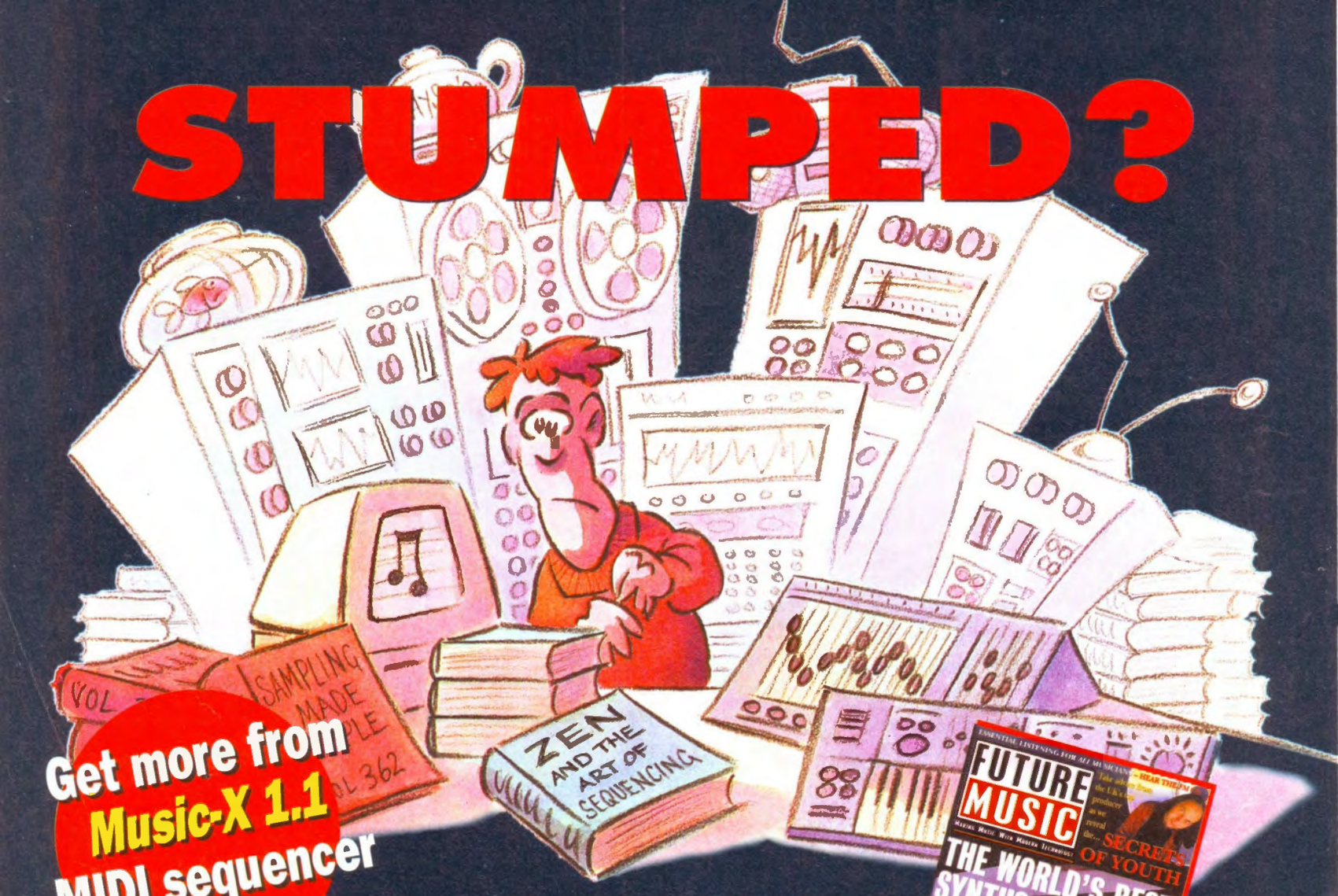
SAVING A PERFORMANCE



In order to save a performance, you must tell *Music-X* what kind of data to put in the file.

To save a performance, select Save Performance from the File menu in the Sequencer page. A window will appear asking what kind of data you want to save. If you're using MIDI, all you need to have selected (lit blue) is Sequences, Filter Settings and Time Parameters. If you're using samples, make sure that Sequence data, Time parameters and Sample data are selected. Hit OK to save. When all disk activity has finished, insert a blank disk into the internal drive and click on the DF0 button. If you're using an external drive or hard drive, click on the button for the required drive. Enter a filename for the data (something like Rhythm-1) and click on OK.

STUMPED?



Get more from Music-X 1.1 MIDI sequencer



See FM19 for advanced sequencing tips and techniques



Every month, *Future Music* magazine carries features, product reviews and tutorials to help you make more music, backed up with advice from top professional musicians and producers.

And you get a CD featuring more than one hour of sounds so you can hear the latest equipment and techniques in action.

Make sure you reserve a copy of *FM* with your newsagent.

Name .....

Address .....

.....

Postcode ..... Telephone .....

Dear Newsagent, please reserve me a copy of *Future Music* every month, starting with issue 20, on sale Tuesday 24 May.

FM is published on the third Tuesday of the month and is available fully SOR from your local wholesaler.

MAG*SAVE

AMIGA

NEW! AMIGA 1200 + CD32 PACKS

FROM SILICA – THE UK's No1 AMIGA SPECIALISTS

CONTACT US FOR YOUR *FREE* 64 PAGE AMIGA CATALOGUE

FREE! FROM SILICA

When you buy your Amiga from Silica, at our advertised prices, we will give you one or more free gifts. The gifts include the new Chaos pack, GFA Basic & Photon Paint II. Check this ad to see which gifts come with each Amiga from Silica. An enhanced AGA version of Chaos that takes full advantage of the AA Chipset will be sent with A1200 & A4000s.

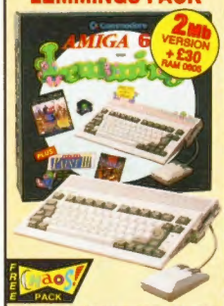
SOFTWARE PACK

CHAOS ENGINE	£25.99
SYNDICATE	£34.99
PINBALL FANTASIES	£29.99
NICK FALDO'S CHAMPIONSHIP GOLF	£34.99
CHAOS PACK:	£125.96
GFA BASIC v3.5 - Powerful Basic Programming Language..	£50.00
PHOTON PAINT II - Powerful Graphics Painting Package ...	£89.95
TOTAL VALUE:	£265.91



WORTH OVER **£265**

AMIGA 600 LEMMINGS PACK



1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE	–
BUILT-IN TV MODULATOR	–
DELUXE PAINT III	£79.99
LEMMINGS	£25.99
FREE FROM SILICA (See Top Left)	£125.96
TOTAL PACK VALUE:	£431.93
LESS PACK SAVING:	£242.93
SILICA PRICE:	**£189.00**

1Mb RAM	PREVIOUSLY ~~£299~~	**£189** INC VAT - AMC 0666
2Mb RAM	PREVIOUSLY ~~£329~~	**£219** INC VAT - AMC 0666 + RAM 0605

AMIGA 600 WILD, WEIRD & WICKED



1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

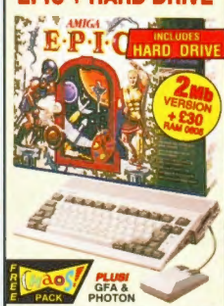
FREE DELIVERY

PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE & TV MODULATOR	–
DELUXE PAINT III	£79.99
MICROPROSE GRAND PRIX..	£34.99
SILLY PUTTY	£25.99
PUSH OVER	£25.99
FREE FROM SILICA (See Top Left)	£125.96
TOTAL PACK VALUE:	£492.91
LESS PACK SAVING:	£293.91
SILICA PRICE:	**£199.00**

1Mb RAM	PREVIOUSLY ~~£299~~	**£199** INC VAT - AMC 0649
2Mb RAM	PREVIOUSLY ~~£329~~	**£229** INC VAT - AMC 0649 + RAM 0605

AMIGA 600HD EPIC + HARD DRIVE



1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:

1Mb AMIGA 600	£199.99
BUILT-IN 1Mb DRIVE & TV MODULATOR	–
64Mb HARD DISK	£179.00
EPIC - A SCI-FI ADVENTURE	£29.98
ROME - ROLE PLAYING ADVENTURE	£25.99
MYTH - STOP THE SPREAD OF EVIL	£19.99
TRIVIAL PURSUIT - POPULAR QUIZ	£29.99
FREE FROM SILICA (See Top Left)	£265.91
PACK VALUE:	£750.86
PACK SAVING:	£401.86
SILICA PRICE:	**£349.00**

2Mb VERSION +£30 RAM 0605

1Mb RAM 64Mb HD		**£349** INC VAT - AMC 0964
1Mb RAM 85Mb HD		**£399** INC VAT - AMC 0985

AMIGA 1200 PACKS + HARD DRIVE OPTIONS

RACE 'N' CHASE



PLUS! GFA BASIC **NEW!**

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:

- 2Mb Amiga 1200
- Trolls AGA
- Nigel Mansell's World Championship AGA
- *FREE FROM SILICA* (See Top Left)

RACE 'N' CHASE

2Mb RAM, 0Mb HD	INC VAT - AMC 1224	**£299**
2Mb RAM, 80Mb HD	INC VAT - AMC 1480	**£449**
2Mb RAM, 127Mb HD	INC VAT - AMC 1527	**£499**
2Mb RAM, 200Mb HD	INC VAT - AMC 1600	**£549**
2Mb RAM, 340Mb HD	INC VAT - AMC 1640	**£699**

COMPUTER COMBAT



PLUS! GFA BASIC **NEW!**

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY

PACK INCLUDES:

- 2Mb Amiga 1200
- Total Carnage
- Brian The Lion
- Zool 2
- WordWorth V2
- WordWorth Print Manager
- Day By Day Planner
- Personal Paint V4
- *FREE FROM SILICA* (See Top Left)

2Mb RAM, 0Mb HD	INC VAT - AMC 2049	**£349**
2Mb RAM, 80Mb HD	INC VAT - AMC 2081	**£499**
2Mb RAM, 127Mb HD	INC VAT - AMC 2128	**£549**
2Mb RAM, 200Mb HD	INC VAT - AMC 2201	**£599**
2Mb RAM, 340Mb HD	INC VAT - AMC 2341	**£749**

AMIGA 1200 SPECIFICATIONS

- 68020EC Processor - 14.19MHz Clock Speed
- 32-bit Architecture / 2Mb Chip RAM
- Amiga DOS v3.0 / Built-in TV Modulator
- AA Chip Set / 16.8 Million Colours
- 1 x 32-Bit CPU/RAM Expansion Slot
- PCMCIA Smart Card Slot
- 96 Key Keyboard with Numeric Keypad
- 2½" Internal IDE Hard Drive Options
- 1 Year On-site Warranty

HARD DRIVE OPTIONS

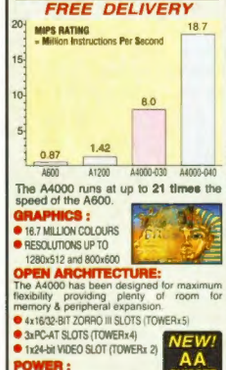
- Approved 2½" Hard Drives
- Fitted correctly below metal safety shield - does not invalidate warranty
- Covered by Commodore's Official 1 Year On-Site Warranty
- Look for Special 'Official Upgrade' sticker

AMIGA 4000 SPECIFICATIONS



1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

FREE DELIVERY



The A4000 runs at up to **21 times** the speed of the A600.

GRAPHICS :

- 16.7 MILLION COLOURS
- RESOLUTIONS UP TO 1280x512 and 800x600

OPEN ARCHITECTURE:

The A4000 has been designed for maximum flexibility providing plenty of room for memory & peripheral expansion.

- 4x16/32-BIT ZORRO III SLOTS (TOWERx5)
- 3xPC-AT SLOTS (TOWERx4)
- 1x24-bit VIDEO SLOT (TOWERx 2)

POWER :

- 1.76Mb 3½" FLOPPY DRIVE

NEW! AA CHIPSET

AMIGA 4000 CONFIGURATIONS

The Amiga 4000 030EC, 040LC and 040 SCSI Tower are available in several RAM/Hard Drive options from Silica (please see below). All are fully configured and approved and carry Commodore's full one year on-site warranty.

RAM upgrades are also available from Silica. Due to current fluctuations in the market, please call for upgrade prices.

25MHz 68030EC DESKTOP

2Mb RAM, 130Mb HD	INC VAT - AMB 3130	**£999**
4Mb RAM, 130Mb HD	INC VAT - AMB 3134	**£1099**
6Mb RAM, 214Mb HD	INC VAT - AMB 3216	**£1199**
6Mb RAM, 540Mb HD	INC VAT - AMB 3540	**£1499**

25MHz 68040LC DESKTOP

6Mb RAM, 214Mb HD	INC VAT - AMB 4521	**£1649**
6Mb RAM, 540Mb HD	INC VAT - AMB 4454	**£1899**

25MHz 68040 SCSI TOWER

6Mb RAM, 214Mb HD	INC VAT - AMB 5216	**£1999**
6Mb RAM, 525Mb HD	INC VAT - AMB 5526	**£2299**
6Mb RAM, 1Gb HD	INC VAT - AMB 5706	**£2599**

RAM UPGRADES CALL FOR PRICES

CDTV ADD-ON FOR A500 or A500PLUS



A570 UPGRADE

WINNER - AMIGA GOLD AWARD 91%

- Clips to side expansion port
- Enables your Amiga 500 to run CDTV software
- Plays normal audio CD discs
- Storage capacity equal to 800 floppy disks
- Transfer time 153Kb/second
- Compatible with CD + G and CD + MIDI formats
- Compatible with ISO9660 standard
- Some old A500s need modification - call for details

FREE FROM SILICA WORTH OVER £49

HUTCHINSONS ENCYCLOPEDIA RRP £29.99

CDPD1 - Inc FRED FISH - 600 Public Domain Titles RRP £19.99

RRP ~~£348~~ **£99** INC VAT - CCD 0570

FREE DELIVERY

APPROVED

Silica are a fully authorised Amiga dealer. We can upgrade Amiga 600 or 1200's with hard drives, for new or existing owners, without affecting Commodore's official on site warranty. We offer other upgrades and repair service for A500 and A500PLUS computers.

UPGRADES & REPAIRS

- *Latest test equipment*
- *20 trained technicians*
- *1,000s of parts in stock*
- *FAST, 48 hour service*
- *We can collect (£5+VAT)*
- *FREE return courier*
- *All work guaranteed*

CALL FOR A PRICE LIST

STEREO MONITOR FOR ALL AMIGAS



1084S

- .42mm Dot Pitch 14" Colour Screen
- 600 dots x 285 lines Resolution - 15.75KHz
- Analog RGB, Ditigal TTL and Composite Video
- External Controls: Volume, Brightness, Contrast, Colour, Horizontal & Vertical, Centring Height
- Anti-glare Screen
- Headphone Socket
- Stereo Sound

CABLE REQUIRED FOR CD32 CAB 5235 - £8.95 INC VAT

FREE DELIVERY

£199 INC VAT - MON 4148

TV/MONITOR FOR ALL AMIGAS

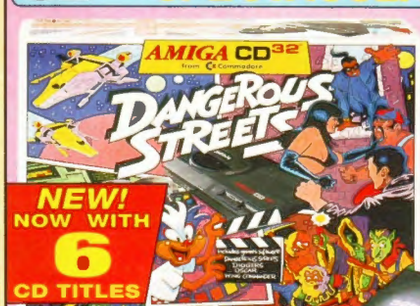


- 14" Remote Control Colour TV/Monitor
- Inc RGB Scart Socket for use with Amigas
- Infra Red Remote Control
- On Screen Display to Adjust Colour/Volume
- On/Off Timer
- Flash Back Feature
- 40 Channel Programme Memory
- FREE Amiga Scart Cable from Silica

FREE DELIVERY

£169 INC VAT - MON 6500

CD32 SPECTACULAR VOYAGE



GREAT NEW PACK NOW WITH

MICROCOSM + CHAOS ENGINE

PLUS! DANGEROUS STREETS WING COMMANDER DIGGERS & OSCAR

FMV MODULE



- PLUGS INTO THE BACK OF THE CD32
- ALLOWS YOU TO PLAY VIDEO CDs Full screen, full motion films & music videos
- CD-I LINEAR COMPATIBLE Allows you to play CD-i films & music videos
- PERFECT FREEZE FRAME
- INSTANT TRACK SELECTION
- SUPERB CD QUALITY SOUND

AVAILABLE APRIL '94

TOP RATED!

FREE DELIVERY **£199** INC VAT - CCA 0320

A FULL RANGE OF GAMES, FILMS & MUSIC VIDEO TITLES ARE AVAILABLE FOR CD32 - CALL FOR A PRICE LIST



- 32-BIT POWER The worlds first CD-ROM console to use 32-bit technology, 4 x faster than a 68000 CPU
- 2Mb RAM
- CD QUALITY STEREO SOUND
- 16.8 MILLION COLOUR PALETTE
- GAMES FROM BELOW £20
- PLUGS INTO A TV OR MONITOR
- PLAYS MUSIC CDs
- DUAL SPEED Transfers data almost twice as fast as ordinary CD-ROM drives
- MULTI-SESSION Recognises ALL data on CDs, even if the information was added after initial pressing
- 11 BUTTON CONTROL PAD
- COMPATIBLE WITH 26 CDTV TITLES
- FULL SCREEN VIDEO-CD Optional extra FMV module which allows you to watch films on the CD32 - compatible with the latest Video-CD standard, endorsed by JVC, Matsushita, Phillips and Sony (see left)
- CD-i LINEAR COMPATIBLE With optional FMV module, will play CD-i films and music videos
- 6 FREE CD TITLES
  - MICROCOSM
  - CHAOS ENGINE
  - DANGEROUS STREETS
  - OSCAR
  - WING COMMANDER
  - DIGGERS

FREE DELIVERY

CD32 + 6 FREE CD TITLES **£289** INC VAT - CCD 3299

10001603/4

SILICA - THE AMIGA SPECIALISTS

SILICA 1978 15 1993 YEARS SERVICE TO YOU

Before you decide when to buy your new Amiga computer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Amiga, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- ***COMMODORE APPROVED UPGRADES:*** Official Hard Drive upgrades with ICL on-site warranty.
- ***FREE OVERNIGHT DELIVERY:*** On all hardware orders shipped in the UK mainland.
- ***TECHNICAL SUPPORT HELPLINE:*** A team of Amiga technical experts will be at your service.
- ***PRICE MATCH:*** We match competitors on a "Same product - Same price" basis.
- ***ESTABLISHED 15 YEARS:*** We have a proven track record in professional computer sales.
- ***PART OF A £50M A YEAR COMPANY:*** With over 200 staff - We are solid, reliable and profitable.
- ***CORPORATE & EDUCATION DIVISION:*** Volume discounts are available. **Tel: 081-308 0888.**
- ***SHOWROOMS:*** We have demonstration and training facilities at all our stores.
- ***THE FULL STOCK RANGE:*** All of your Amiga requirements are available from one supplier.
- ***FREE CATALOGUES:*** Will be mailed to you, with special reduced price Amiga offers, as well as details on all Amiga software and peripherals.
- ***PAYMENT:*** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE **081-309 1111**

SILICA IS A DIVISION OF TRADE PLC

MAIL ORDER: 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX **Tel: 081-309 1111**

CHELMSFORD SHOP:	Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA	**Tel: 0245 490654**
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	**Tel: 081-688 4455**
GLASGOW SHOP:	Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR	**Tel: 041-248 3896**
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	**Tel: 0473 287092**
LONDON SHOPS:	52 Tottenham Court Road, London, W1P 0BA	**Tel: 071-580 4000**
	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	**Tel: 071-629 1234**
MANCHESTER SHOP:	Debenhams (3rd Floor), Market St, Manchester, Lancashire, M60 1TA	**Tel: 061-839 3654**
SIDCUP SHOP:	1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX	**Tel: 081-302 8811**
SOUTHEND SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	**Tel: 0702 468039**

To: Silica, AMFOR-0594-104, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: ..... Surname: .....

Company Name (if applicable): .....

Address: .....

..... Postcode: .....

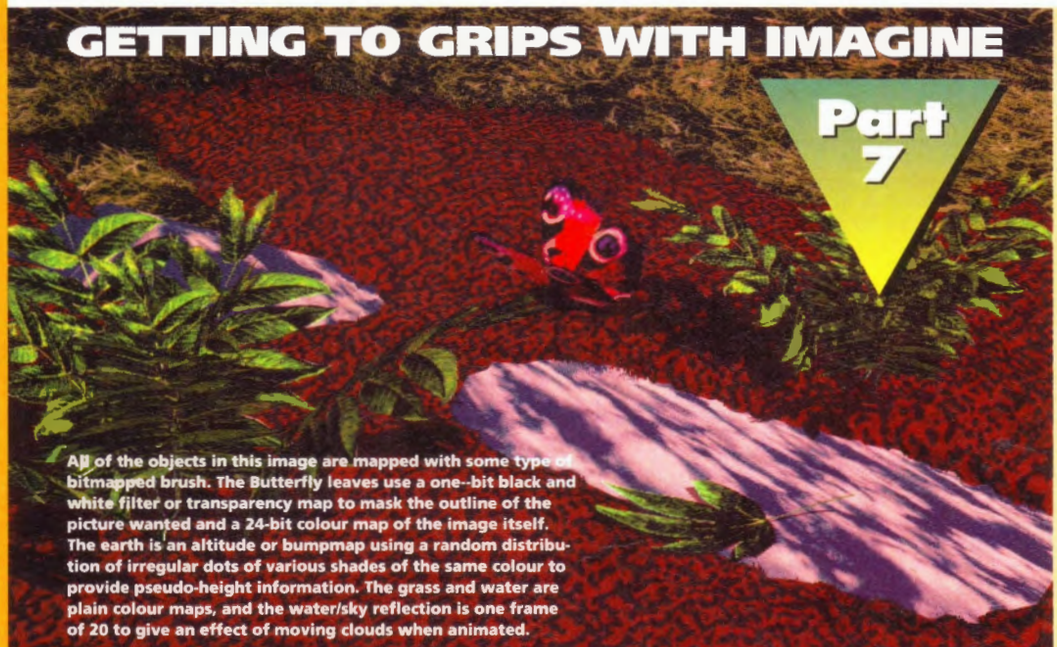
Tel (Home): ..... Tel (Work): .....

Which computer(s), if any, do you own? 104AA

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

GETTING TO GRIPS WITH IMAGINE

Part 7



All of the objects in this image are mapped with some type of bitmapped brush. The Butterfly leaves use a one-bit black and white filter or transparency map to mask the outline of the picture wanted and a 24-bit colour map of the image itself. The earth is an altitude or bumpmap using a random distribution of irregular dots of various shades of the same colour to provide pseudo-height information. The grass and water are plain colour maps, and the water/sky reflection is one frame of 20 to give an effect of moving clouds when animated.

BRUSHMAPS

THE REAL WORLD is full of natural detail such as scratches and stains, patterns and surface textures. Yet, as most of you will have already discovered, adding this detail to your *Imagine* worlds uses up lots of valuable memory. This month our tutorials are going to show you ways to give natural detail using Brushmaps.

Two types of surface can be applied to objects with *Imagine* – Textures and Brushmaps. Textures are procedural or programmed effects that can be added to any object and pass right through it, colouring the visible surfaces smoothly. Textures use hardly any memory and add little to rendering times and have an abstract quality.

Brushmaps are bitmapped pictures that can be projected on to or wrapped around objects. Almost any bitmap image can be used giving you immense versatility. The disadvantage is that, being bitmaps, you can see the pixels if you stretch them and they can use up lots of memory.

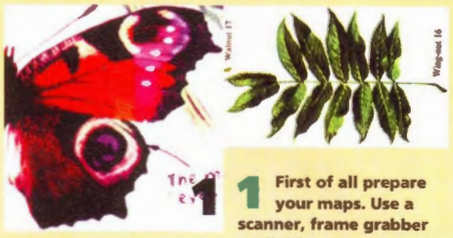
AF 53a
Worth £269
imagine
The finest coverdisk program ever!
Discover the world of 3D with the complete version 2.0 of Impulse's stupendous 93% scoring ray-tracer.
All Amigas • Requires 1Mb

IMAGINE THIS
If you missed out on our incredible *AF53 Imagine* Coverdisk, there's still a chance to get a copy of the fantastic ray-tracing program. Just turn to page 148 and order your back issue now!

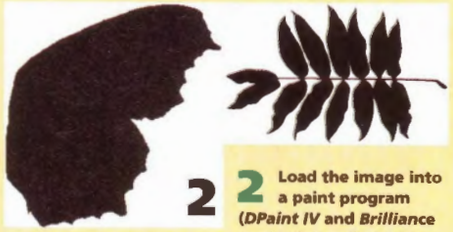
TRANSPARENCY

Filter maps use the grey-level of each pixel (256 levels in a 24-bit picture) to determine the transparency at that point on the surface. White is completely clear, black is totally opaque, and mid-grey is 50 per cent opaque. Therefore you can use *Imagine*'s filter or transparency mapping function to create all manner of special effects such as net curtains or gauzes, etched or sand-blasted glass, misted or dirty windows, wet paper, plastic bags and many more.

One of the most useful effects is a transparency mask, which uses *Imagine*'s ability to superimpose several maps on top of each other. If, for example, a leaf is mapped on to a rectangular object, when it is rendered the area around the leaf will be opaque like a rectangular photo of a leaf. To remove this, a copy of the leaf map is made and reduced to a one-bit black and white image with the leaf in black and its surroundings in white. The copy can be filter mapped on to the object first, cutting away the white areas, leaving a leaf-shaped opaque object on to which the colour bitmap of the leaf can be Flat Colour Mapped.



1 First of all prepare your maps. Use a scanner, frame grabber or digitiser to capture the bitmap you need with a reasonable depth of colour. I used 24-bit images for this tutorial, but 8-bit or even 4-bit images can be used if they are quite small.



2 Load the image into a paint program (*DPaint IV* and *Brilliance* can both handle 24-bit images) and clear away all of the background. Use Stencil or Mask tools to mask the required area and clear the background to white. Reverse the mask and clear the image area to black. If the edges are badly defined use a small white brush to even them. It is always better to cut away the edge of the mask than to add to it. Nothing looks worse than a bit of the

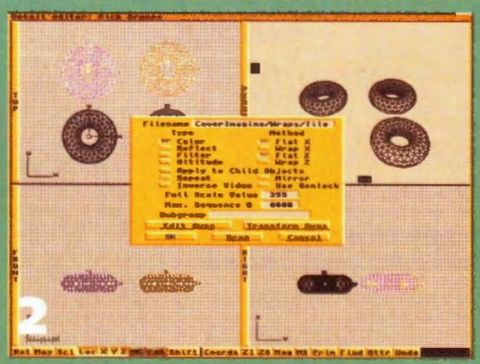
BASIC PLANNING

Fortunately, unlike the original Imagine, the Amiga Format Coverdisk version you are using takes care of basic placement of bitmaps for you. To apply a brushmap to an object just follow these steps:

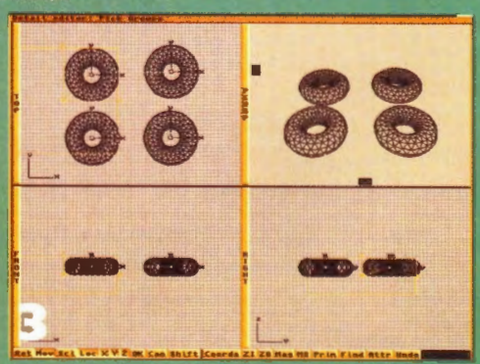


1 Pick the object. For this tutorial try the default Functions/Add/Primitive/Torus. Then choose Object/Attributes. Click on the Brush 1 button. Use the File requester to choose your brushmap (Chrome Horiz and Tile are in the Wraps drawer. For this test try Tile).

2 Once the Brushmap is chosen you are taken to the main Brushmaps Requester. The various tools are described in the box on the opposite page Mapping Powerhouse. Use the Color Type and the default Flat X and Flat Z Method.



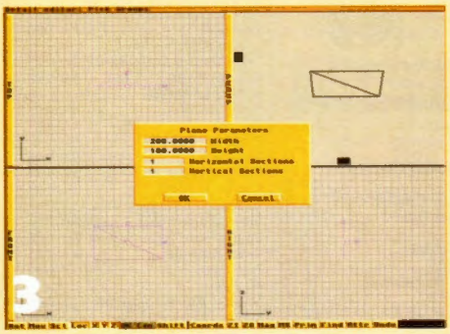
3 Click on Edit Axes to see how the program has positioned and sized the axes. *Imagine* uses the same method for representing these as is used for MOVing, ROTating and SCaLing local axes so editing the axes of the map should be quite easy. Note that only the top right quarter of the orange bounding box is used to represent the brush in the front view. Also, the object is just contained by the Y axis. Any part of the object outside the Y axis of the bounding box will not be mapped. This only applies to to Flatmapping. For wraps the Y axis should be small - set to 1.0 using Object/Transformation/Size.). With FlatX-FlatZ mapping, the brush is 'projected' like a slide in the Y direction.



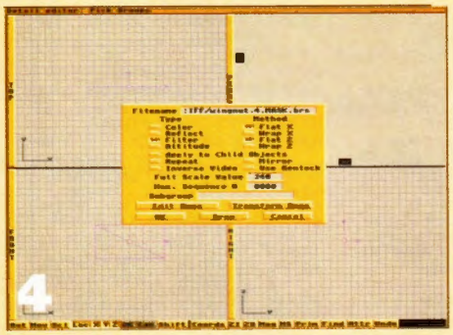
4 Now try repeating steps 1, 2 and 3 using WrapX and WrapZ in combination with FlatX and FlatZ on to three more Tori objects to see the default axis placings and sizes as shown in the illustration. Remember, the program does not always choose the positions correctly for your task, although it makes a good basic starting point. Try experimenting with moving, sizing, and rotating the axes.

'MASKS'

lighter or coloured background showing around a masked object. Save the black and white mask using the original filename but with a .MASK suffix. It is vital to keep the two maps (mask and colour) exactly the same size.

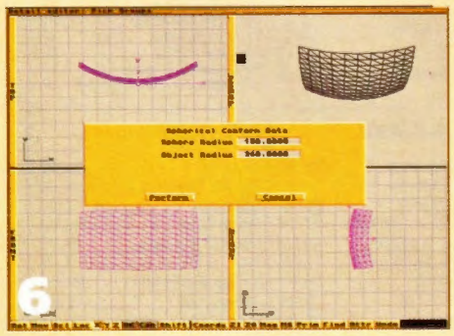


3 Create a simple flat plane object using Functions/Add/Primitive/Plane. In the requester, choose the sizes that suit the proportions of the map you are using and change the number of both Horizontal and Vertical Sections from 10 to 1. OK the requester. Pick the object, choose Object/Attributes, click on the Brush 1 button and use the file requester to choose your MASK brushmap.



4 Once the Brushmap is chosen you are taken to the main Brushmaps Requester. Use the Filter Type and the default Flat X and Flat Z Method. Set Full Scale Value to 240. This is because *Imagine* does not use 256 levels of transparency, so pure white is recognised as 240. Yes, this is typical of Impulse's weird way of programming. Try a few even lower numbers here for some wacky results.

5 When you return to the attributes requester click on the Brush 2 button, use the file requester to choose your colour brushmap and select the Color Mapping Type and the default Method again. OK your way back to the Detail Editor and try a QuickRender. If you set up a visible background you may just see some trace of the supposedly invisible object parts but it should be very faint; if not check that the Full Scale Value is 240.



6 To give the *Imagine* object a more interesting, curved shape (if you are trying to create a leaf shape for example), leave the number of Horizontal and Vertical Sections in the Add/Primitive/Plane requester at 10, then Conform To Sphere with Object/Mold/Conform, using perhaps Sphere Radius of 150 and Object Radius of 260.

BUMPMAPS AND ANIMATED BRUSHMAPS

Altitude maps use the grey-level of each pixel (256 levels in a 24-bit picture) to determine the height of a bump at that point on the surface. White is high, black is low, and mid-grey is at the normal surface height.

The actual surface of the object is not distorted, but the bitmap is used to apply false shading to the surface to give the impression of a dent or bump. This means you can create effects such as the dents on golf ball, the pitted texture of orange peel, or even the whirly contours of a set of fingerprints, which can then be embossed into a surface.

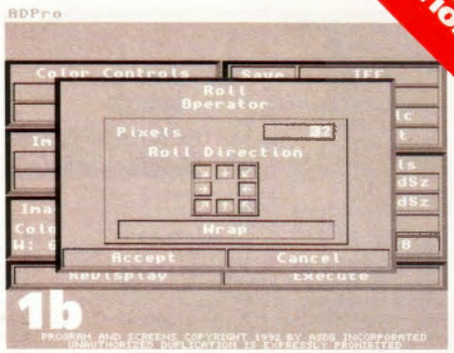
One of the most useful bumpmaps is an irregular mix of randomly distributed shades that can be used to create waves, or orange peel, planet surfaces and desert effects, or the simple piles of earth as in the main illustration on the opposite page.

The technique for creating and using an irregular bumpmap was described in the *Imagine* tutorial number five in *Amiga Format* 57.

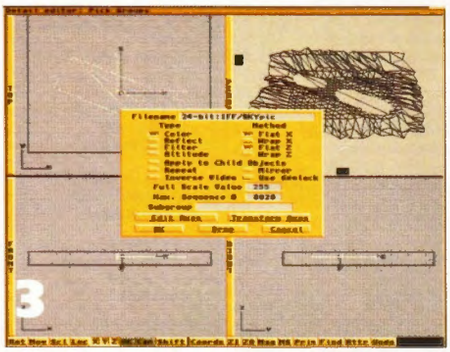
Another excellent use for brushmaps is to animate them across a surface. In the illustration 1a below the sky reflected from the surface of the puddle is actually animated so that the clouds can be seen scudding across the sky.



1 Prepare your frames, any animation will do. For this example a sky image (1a, above) was used from Alternative Image's excellent *Alternative 3D Textures*. This was processed repeatedly with ASDG's *ADPro 2.3* using the Roll operator (see illustration 1b). The image was 640x512 so Roll was set to 32 pixels and Wrap so that it slid the image 32 pixels to the right and the bit that fell of was added to the left side. That first image was worked on in *Brilliance* to blend and smooth the junction between the old left edge and the new piece added on. Then the new sky was Roll(ed) in *ADPro* 19 more times to give 20 frames of the clouds rolling across in a complete cycle. This task can be achieved automatically using ASDG's *ProControl*. The 20 frames were saved as SKYpic.0001 to SKYpic.0020.



2 An animated brushmap is positioned in the same way as a Colour Type mapping. Pick the object choose Object/Attributes, click on the Brush 1 button, and use the file requester to choose the first picture of the sequence.



3 Once the Brushmap is chosen you are taken to the main Brushmaps Requester. Use the Color Type and the default Flat X and Flat Z Method. Delete the dot(.) delimiter and numeric suffix from the name at the top of the requester. Change the Max Sequence # to the number of frames in the animated sequence. OK your way back to the Detail Editor and save the object.

Any animation that you now set up in this project using the Action Editor (see *AF*56 *Imagine* tutorial) will use consecutive frames from this sequence as colour maps for the puddles. If there are more than 20 frames in the animation the sequence will repeat automatically.

● If you try to QuickRender frames of this animation they will ask for a correct brushmap in the sequence but add .0001 to the end (at the beginning of the Quickrender for frame 12 you get the message: Could not find SKYpic.0012.0001). Don't ask me why this happens. The normal Project Editor render works perfectly.

MAPPING POWERHOUSE

The Brushmap Requester is the heart of all brush mapping. It provides plenty of tools to control most types of mapping. The filename of the chosen brush is shown at the top and can be changed if required. Mapping Type, Colour, Reflection, Filter (Transparency), Altitude (Bumpmap), and Mapping Method (Flat X or Y, Wrap X or Y), can be chosen by selecting buttons.

The Colour Type covers the object with the plain bitmap brush according to the mapping method chosen. Reflection, Filter and Altitude Types use the colour information on the brush to determine the level of reflection, transparency or bump height across the surface that it covers. Apply to Child Objects ensures that the map is applied to any object grouped with the one you are applying it to. Repeat tiles a bitmap over the entire surface of an object if you resize the map smaller than the object.

Mirror flips alternate tiles for smooth repeats. Inverse Video uses a colour negative (colour inverted) version of the brush. Subgroup allows the brush to be applied only to a subgroup of an object. Drop removes the Brushmap from the object. The rest of the functions are described elsewhere in the text.

POST HASTE

11a, Burgate Lane, Canterbury, Kent. CT1 2HH

TRY US.. WE LIVE UP TO OUR NAME.. RING NOW!!!

TEL.0227-764204 9.30am to 7.00pm

(Answerphone outside normal hours)

Select any 3 titles £7.99 or less for only £20.00

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment. We stock all the latest titles which we offer at 30% OFF R.R.P.

EDUCATIONAL

ADIEnglish(11/12or12/13)	16.99
ADIEnglish(13/14or14/15)	16.99
ADIEnglish GCSE	22.99
ADIFrench(11/12or12/13)	16.99
ADIFrench(13/14or14/15)	16.99
ADIFrench GCSE	22.99
ADIMaths(11/12or12/13)	16.99
ADIMaths(13/14or14/15)	16.99
ADIMaths GCSE	22.99
ADIJunior Counting(4/5)	13.99
ADIJunior Counting(6/7)	13.99
ADIJunior Reading(4/5)	13.99
ADIJunior Reading(6/7)	13.99
Answerback Junior	13.99
Answerback Senior	13.99
Arithmetic (Answrbak data)	7.49
Spelling (Answrbak data)	7.49
Better Maths (12-16)	13.49
Cave Maze	10.99
Count and Add	16.99
First Letters	6.99
Fraction Goblins	10.99
French Mistress	15.99
FunSchool2(2-6,6-8,or8+)	6.99
FunSchool3(2-5,5-7,or7+)	13.99
FunSchool4(2-5,5-7,or7+)	16.99
FunSchool Maths 7-11	16.99
FunSchool Paint+Create	16.99
FunSchool Spelling 7+	16.99
German Master	15.99
Italian Tutor	15.99
Kid Pix (Paint Package)	16.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99
Magic Maths (4-8)	13.49
Maths Adventure	16.99
Maths Dragons	10.99
Maths Mania (over 8)	13.49
Mavis Beacon Typing 2	19.99
Micro English	16.99
Micro French	16.99
Micro German	16.99
Micro Maths	16.99
Micro Science	16.99
Micro Spanish	16.99
Mickey Mouse ABC	13.99
Mickey Mouse Jigsaw	13.99
Mickey Mouse Memory	13.99
Mickey Mouse 123	13.99
Noddy's Playtime	16.99
Noddy's Big Adventure	16.99
Paint Me a Story	14.99
Picture Fractions	10.99
Reasoning With Trolls	10.99
Shapes and Colours	6.99
Sooty's fun with numbers	13.99
Telling The Time	10.99
Things to do Words	13.99
Thomas Tank fun words	13.99
Three Bears	13.49
Tidy The House	10.99
Time Flies	10.99
Distant Suns 4.2	42.99

Triple Action 1 — Deuteros, Hammer Boy, Battle Valley £9.99

Triple Action2 — Hunter, Lancaster, Seconds Out £9.99

Triple Action 3 — Titus the Fox, Ghostbusters2, Targhan £9.99

Triple Action 4 — Blues Brothers, Satan, Maya £9.99

CD32 SOFTWARE

Arabian Nights	10.99
Brutal Football	19.99
Bubba and Stix	19.99
Chambers of Shaolin	14.99
Chaos Engine	19.99
Chuck Rock	10.99
D'Generation	13.99
Deepcore	16.99
Dennis	16.99
Disposable Hero	19.99
Donk	19.99
Fireforce	19.99
Fury of the Furries	19.99
Global Effect	19.99
International Karate Plus	8.99
Labyrinth	16.99
Liberation-Captive 2	19.99
Lotus Trilogy	19.99
Microcosm	34.99
Nick Faldo	22.99
Nigel Mansell	12.99
Premiere	10.99
Pinball Fantasies	22.99
Pirates Gold	19.99
Putty	10.99
Robocod	19.99
Ryder Cup	19.99
Seek and Destroy	16.99
Sensible Soccer	16.99
Summer Olympix	13.99
Total Carnage	21.99
Trivial Pursuit	19.99
Trolls	12.99
Whales Voyage,	12.99
Zool	12.99

GAMES

688 Attack Sub	9.99
A-Train	11.99
Action Stations	7.99
Addams Family	7.99
Agony	7.99
Alfred Chicken	9.99
Alien Breed 92	7.99
Another World	9.99
Ashes of the Empire	7.99
Assassin (Special Ed.)	7.99
Batman the Movie	6.99
Battle Squadron	6.99
Birds of Prey	10.99
Black Crypt	9.99
Blitzkreig - War Game	7.99
Bubble Dizzy	6.99
Carrier Command	7.99
Centurion Def. of Rome	7.99
Champ.Manager 94 Data	7.99
Chart Attack (James Pond)	9.99
Chase HQ 2	7.99
Chessmaster 2175	9.99
Chuck Rock	7.99
Chuck Rock 2	7.99
Classic 4 (ok kick 1.3)	6.99
Colonels Bequest	10.99
Colossus Chess X	6.99
Creatures	7.99
Cruise for a Corpse	9.99
Crystal Kingdom Dizzy	7.99
Curse of Enchantia	9.99
Deliverance	7.99
Deluxe Strip Poker 2	7.99
Dizzy Prince of Yolkfolk	6.99
Double Dragon 2	7.99
Edd the Duck 2	6.99
ELITE	9.99
Eye of Beholder 1	11.99
F15 Strike Eagle 2	11.99
F16 Combat Pilot	7.99
F17 Challenge	8.99
F19 Stealth Fighter	10.99
F29 Retaliator (Not A600)	9.99
Falcon	9.99
Fantasy World Dizzy	6.99
Face Off Hockey	7.99
Final Fight	7.99
Flimbos Quest	7.99
Fly Harder	7.99
Future Wars	9.99
Ghouls 'n' Ghosts	6.99
Gunboat	9.99
Gunship	9.99
Harlequin	7.99
Hero Quest	7.99
Hook	7.99
Hoyles Book of Games 1	9.99
Hoyles Book of Games 2	9.99
Humans - Jurassic SA	7.99
Indianapolis 500	9.99
Indy Jones+L.C.Gr.Adv	9.99
Ishar 2	9.99
Jack Nicklaus Golf	6.99
Jaguar XJ220	7.99
John Madden Am.Football	9.99
Kings Quest 1	9.99
Kings Quest 2	9.99
Knights of the Sky	11.99
Leander	8.99
Leisure Suit Larry	9.99
Leisure Suit Larry 2	9.99
Linx Golf (2 drives)	11.99
Liverpool	7.99
Lombard RAC Rally	6.99
Loom	9.99
Lords of Chaos	7.99
Lotus 2	7.99
M1 Tank Platoon	9.99
Magicland Dizzy	6.99
Man. United Europe	7.99
Maniac Mansion	9.99
Mercs	7.99
Microprose Soccer	6.99
Midwinter	9.99
Midwinter 2	11.99
Monkey Island	10.99
Myth	7.99
Navy Seals	7.99
New Zealand Story	6.99
North & South	6.99
Operation Stealth	9.99
Ork	7.99
Outrun Europa	7.99
Pang	6.99
Parasol Stars	7.99
Pinball Magic	7.99
Pirates	9.99
Police Quest 1	10.99
Police Quest 2	10.99
Popeye 2	6.99
Populous + Lands	9.99
Postman Pat 3	6.99
Powermonger+Editor	9.99
PP Hammer	6.99
Prehistorik	7.99
Premier	7.99
Premier Manager	9.99
Premier Manager 2	11.99
Prince of Persia	6.99
Pro Tennis Tour	6.99
Project X	8.99
Pushover	7.99
Putty	7.99
Quest for Glory 1	11.99
Quest for Glory 2	13.99
Qwak	8.99
Railroad Tycoon	11.99
Rainbow Islands	6.99
RFI Baseball 2	6.99
Rick Dangerous 2	7.99
Robin Hood Adv.	9.99
Robocod (JamesPond2)	7.99
Robocop 3	9.99
Rodland	7.99
Rubicon	7.99
Sensible Soccer 92/93	11.99
Shadow Dancer	7.99
Shadowlands	7.99
Shadoworlds	9.99
Silent Service 2	11.99
Sim Ant	10.99
Sim Earth	11.99
SIM LIFE	9.99
Simpsons	7.99
Space Crusade	7.99
Space Quest 1	11.99
Speedball 2	7.99
Spellbound Dizzy	6.99
Stack Up (Columns Type)	4.99
Streetfighter 2	10.99
Strikefleet	9.99
Stunt Car Racer	6.99
Supercars 2	7.99
Super Monaco GP	7.99
Swiv	7.99
Tennis Cup 2	7.99
Terminator 2	6.99
Test Drive II	6.99
Thunderhawk	7.99
TOKI	7.99
Trivial Pursuit	6.99
Trolls	7.99
Turrican II	7.99
Video Kid	7.99
Voodoo Nightmare	6.99
White Death - War Game	7.99
Wing Commander	9.99
Winning 5 Compilation	7.99
WWF Wrestlemania	7.99
WWF European Rampage	7.99
Xenon	3.99
Xenon 2	7.99
Z-Out	6.99
Zak McKraken	9.99
ZOOL	9.99

TOP TITLES SPECIALS

Alien3, Apocalypse, Battleisle93, Brutal Football, Champ. Manager93, Champ.Manager Italia, Euro.Champions (Ocean),Fantastic Dizzy,Jurassic Park, Lamborghini, Legacy Soracil, Micro Machines, Mr.Nutz, Naughty Ones, Oscar, Scrabble, Skidmarks, Uridium2..... *£16.99 EACH*

2nd.Samurai, AlienBreed2, Brian the Lion, Caeser Deluxe, Canon Fodder, Castles2, C.A.Patrol, Cool Spot, Darkmere, Desert Strike, Dogfight, Dune2, Elite2, Flashback, G.Gooches Cricket, Genesia, Liberation, Man.Utd.Champs. Mortal Kombat, Perihelion, Soccer Kid,..... *£19.99 EACH*

Beneath Steel Sky, Civilisation, F117Nighthawk, Gunship2000, History Lines, LORDSofPOWER, NickFaldo, Patrician, Pinball Pack, Settlers, Simon Sorcerer, Space Hulk, Syndicate, When2Worlds War,..... *£22.99 EACH*

Monkey Island2, Indy Jones Fate Atlantis, Campaign 2, Kingmaker, Rules of Engagement 2, Innocent..... *£23.99 EACH*

Award Winners 2 — Sensible Soccer93, J. White Snooker, Elite and Zool. £19.99

Sports Masters — PGA Golf,Indy500 Advantage Tennis, Euro.Champs'92 ..... £19.99

Winning 5 — IronLord,SirFred, TwinWorld,Puffy Saga+NightHunter £7.99

Chart Attack — J.Pond,VenusFly Lotus Challenge, Ghouls'n'Ghosts £9.99

SERIOUS

VIDEO & MULTIMEDIA	
Adorage	54.99
Big Altern. Scroller 2	54.99
Broadcast Titler 2	149.99
Helm	74.99
Scala MM300	289.99
Scala 500	74.99
TV Text Professional	74.99
TV Show 2	49.99
Videotitler 1.5 3D	69.99
Video Director	94.99
Video Fonts (Gold Disk)	39.99
WORDPROCESSING	
Final Copy II V2	49.99
Final Writer	99.99
SoftFaces 1,2,3 or 4(Fonts)	54.99
SoftClips	37.99
Penpal	29.99
Protext 4.3	39.99
Wordworth 2	44.99
Wordworth 3	99.99
Typesmith	99.99
SPREADSHEET	
ProCalc	124.99
Maxiplan 4	22.99
DATABASES	
Infofile (Fast Ram Only)	9.99
Superbase 4	99.99
SuperbasePro4 v1.3	199.99
INTEGRATED (WP/SS/DB)	
Mini Office	37.99
Gold Disk Office	49.99
DESKTOP PUBLISHING	
Pagesetter 3	44.99
PageStream	129.99
Pro Page 4.1	89.99
Pro Draw 3	89.99
Outline fonts	99.99
Gold Disk Fonts 1-4	34.99
Expert Draw	49.99
CAD	
X-CAD 2000	94.99
X-CAD 3D	299.99
X-CAD Professional	89.99
ACCOUNTS	
Arena Accounts	69.99
Money Matters	34.99
Cashbook/Final Accounts	42.99
GRAPHICS	
Deluxe Paint iV AGA	64.99
Brilliance	129.99
Spectracolor	54.99
ProFills	24.99
Turboprint Professional	34.99
Art Department Pro 2.15	129.99
Morph Plus	139.99
3D MODELLING & RENDERING	
4D-Professional	199.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista Professional V3	44.99
Makepath(Vista Pro)	24.99
Imagine 2	149.99
Real 3D Pro/Turbo V2	319.99
Real 3D Classic	67.99
Scenery Animator V4	54.99
PROGRAMMING	
Easy AMOS	22.99
AMOS Professional	32.99
AMOS Pro Compiler	22.99
Kraft for AMOS	16.99
Blitz Basic 2	52.99
Devpac 3	49.99
Hisoft Pascal	74.99
MUSIC	
Bars & Pipes Pro 2	209.99
TigerCub	79.99
Deluxe Music C. Set 2	59.99
Technosound Samples V2	34.99
Midi Interface + Lead	19.99
MISCELLANEOUS	
Cross Dos 5	34.99
PC Task	34.99
Directory Opus 4	54.99
Ami-Back	34.99
Disk Expander	29.99
Ami-Back Tools	34.99
GB Route Plus (New Vers.)	34.99
Quarterback 6 H/D Backup	54.99
Quarterback Tools Deluxe	89.99
Video Back-up	49.99
Icon Paint	7.99
BOOKS	
Amiga 1200 Insider Guide	12.99
Amiga 1200 Next Steps	12.99
Assembler Insider Guide	12.99
Mastering Amiga Arrex	17.99
Mastering Amiga Beginners	15.99
Mastering Amiga AMOS	15.99
Mastering AmigaDos2	14.99
Mastering AmigaDos3	15.99

Triple Action5 — Crazy Cars 3, Battletech, GrandPrixMaster £9.99

CHAMPIONS — Man.Utd. Boxing Manager, J.Khan Squash £9.99

TEAM 17 — Superfrog, Body Blows Overdrive £19.99

The Greatest — J.WhiteSnooker, Dune, Lure Temptress £19.99

HARDWARE

A600 Wild Weird & Wicked	199
A1200 Basic Pack	279
A1200 + 85MB HD	479
A1200 Desktop Dynamite	329
A1200 Desk-Dyn+85 mbHD	529
A4000/030(120MB)	ring
120Mb for A600/A1200	199
170Mb for A600/A1200	229
Amitek 3,5" External Drive	55
Zydec 3.5" External Drive	53
A500 3.5" Internal Drive	49
A600 1Mb Upgrade	38
A500 Plus 1Mb upgrade	35
A500 512k Ram (no clock)	20
A500 512k Ram + clock	25
1.5 Mb Ram Expansion	79
1 Mbyte Simms	38
AT-Once PC 286 Emulator	189
Rombo Vidi 12 Pack	89
Sharp JX100 A6 Col. Scanner	379
Zydec Mouse(Microswitched)	12
MegaMouse (Microswitched)	12
Mouse Mat	2
50 Blank Disks	20
MONITORS	
Commodore 1084/1085s	189
Commodore 1942 Multisync	339
PRINTERS	
(Inc. lead+Amiga Printer Driver)	
Star LC100 Colour	139
Star LC200 Colour	159
Star LC24-30 Colour	239
Citizen ABC-24 Colour	169
Citizen Swift 90 Colour	169
Citizen Swift 240 Colour	229
Canon Bubblejet Portable	189
Canon BJ200 Mono	249
Canon BJ230 Mono	319
HP Deskjet 550C Colour	389
HP Deskjet500C	319
HP Deskjet510 Mono	279
HP Deskjet310 Col.Portable	269

AGA SOFTWARE

Air Bucks v1.2	22.99
Alfred Chicken	9.99
Alien Breed 2	19.99
Body Blows Galactic	17.99
Burning Rubber	16.99
Chaos Engine	14.99
Civilisation	24.99
D'Generation	9.99
Dennis	18.99
Diggers	22.99
Jurassic Park	17.99
Nigel Mansell(No Box)	6.99

AGA SOFTWARE

Overkill	13.99
Pinball Fantasies	14.99
Robocod	7.99
Ryder Cup	16.99
Second Samurai	19.99
SIM LIFE	9.99
Simon Sorceror	23.99
Soccer Kid	19.99
Star Trek (Hard Disk)	22.99
Total Carnage	19.99
Trolls	7.99
Zool 2	16.99

ADVANCE BOOKINGS

We accept advance orders for new releases. You can order with peace of mind as we will despatch on day of release. Your account will not be debited until date of release.

All Prices Include Delivery To Your Door.

MAY ORDER FORM

Name_____

Address_____

_____

_____

_____

Tel.No._____

Cheque/Credit No._____

Expiry Date._____ Description of

Customer Ref.No._____ Machine

Titles_____

_____

_____

_____

VISA, MASTERCARD, EUROCARD , P.O. are despatched same day! Please allow 4 working days for cheques to clear. CHEQUES/P.O. payable to POST HASTE, 11a, Burgare Lane, Canterbury, Kent.CT12HH.Overseas Orders add £2.00 postage for Software. Hardware-overseas postage charged at cost. Prices are subject to alteration.

You name it!...We do it!...Just phone and we'll quote!
WE STOCK ATARI ST S/W IBM/PC S/W SNES CARTS.
WE STOCK SEGA CARTS. LYNX CARTS. C64 CARTS.
MAIL & TELEPHONE ORDERS ONLY!.....
NO PERSONAL CALLERS!
Allow up to 10 days delivery Out of Stock items.

WeServe of Hampshire Established 9 years

High quality products. Full technical support.

Visit our showrooms. See before you buy.

Printers

Canon BJC-600

New Colour Printer — £419+VAT £492.33

360dpi Inkjet printer. Visit out showrooms compair Canon/Epson/HP/Star

Canon Inkjets

		Exc VAT	Inc VAT
BJ10sx	360dpi	£145	£170.38
BJ200	Inc Sheet Feed	£185	£217.38
BJ230	wide carriage	£285	£334.88
BJ300	360dpi	£329	£386.58
BJ330	wide carriage	£379	£445.33
BJC800	fast & colour	£1115	£1310.13

All Citizen printers have a 2 year warranty

Citizen

	Exc VAT	Inc VAT
120D+ 9pin Mono	£96	£112.80
Swift 90 9pin Mon	£126	£148.05
Swift 90 9pin Colour	£136	£159.80
Swift 200 24pin Mono	£156	£183.50
Swift 200 24pin Colour	£166	£195.05
Swift 240 24pin Mono	£174	£204.45
Swift 240 24pin Colour	£196	£230.30
New Citizen Projet II	£203	£238.53
PN48 Portable	£189	£222.08
Notebook 2 Col. Port.	£235	£276.13

New Citizen ABC

A new 24pin Citizen printer with optional colour

ABC 24pin Mono	£124	£145.70
ABC 24pin Colour	£144	£169.20

Stylus 800

360dpi escape P2 compat.

New Epson Piezo Inkjet Printer — £191+VAT £224.43

Epson

		Exc. VAT	Inc VAT
LX100	9pin +Sheet Fd	£109	£128.08
LX400	9pin Mono	£94	£110.45
LX850	9pin Mono	£139	£163.33
LQ570+	24pin Mono	£199	£233.83
Stylus 300	Inkjet	£156	£183.30
Stylus 1000	Inkjet A3	£353	£414.78
EPL5000	6ppm Laser	£439	£515.83
EPL5200	6ppm Laser	£495	£581.63
EPL8100	10ppm Laser	£699	£821.33

Panasonic KXP1123

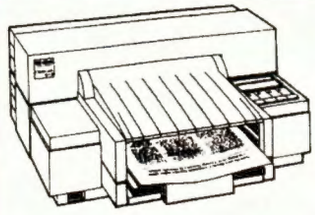
Probably the best 24pin mono printer available. — £118+VAT £138.65

Panasonic

		Exc VAT	Inc VAT
KXP1170	9pin Mono	£95	£111.63
KXP2180C	9pin Colour	£139	£163.33
KXP2123C	24pin Colour	£149	£175.07
KXP2023	24pin printer	£135	£158.63
KXP2624	24pin printer	£268	£314.90
KXP4400	4ppm LED	£375	£440.63
KXP4410	5ppm Laser	£429	£504.08
KXP4430	5ppm Laser	£529	£621.58
KXP4440	11ppm PS	£769	£903.58
KXP4500	4ppm PSc LED	£615	£722.63

Sheet Feeders

	Exc VAT	Inc VAT
Canon BJ10 series	£44	£51.70
Citizen Swift range	£67	£78.73
HP DeskJet 310	£46	£54.05
Star LC range	£51	£59.93
Panasonic KXP range	£72	£84.60



HP Deskjets

300dpi, mono or colour. Laser quality print	Exc VAT	Inc VAT
Deskjet Portable mono	£165	£193.88
Deskjet 520 mono	£195	£229.13
Deskjet 500C colour	£258	£303.15
Deskjet 560C colour*	£385	£452.38
Deskjet 1200C colour	£1089	£1279.57
Deskjet 310 mono	£169	£198.58
Colour kit for 310	£30	£35.25

*550C has Colour & black cartridges resident at the same time.

All deskjet prices include 3 year warranty

New HP Colour Printer

Deskjet 310C

300dpi optional colour inkjet printer.

310 Mono £169 +VAT £198.58

310C Colour £199 +VAT £233.83

Prices include 3 years warranty

HP Lasers

	Exc VAT	Inc VAT
Laserjet 4L 4ppm PCL5	£469	£551.08
Laserjet 4P 4ppm PS2	£715	£840.13
Laserjet 4ML 4ppm 4M	£745	£875.38
Laserjet 4MP 6M PS2	£975	£1145.63

Star

	Exc VAT	Inc VAT
LC2420 mk2 24pin	£129	£151.57
LC24100 Mono24pin	£114	£133.95
LC24200 Colour 24pin	£195	£229.13
LC24-30 Colour 24pin	£159	£186.82
LC24-300 Colour 24pin	£191	£224.13
Star SJ48 Inkjet	£165	£193.88

Star LC100

9pin colour — £102+VAT £119.85

Star SJ-144

New Colour Printer — £285+VAT £334.88

360dpi thermal (suitable for transfers)

Dust Covers

For Printers, Monitors, Computers most types in stock — from £4.70

Ink Refills

BJ10 twin refill various colours	15.90
Deskjet twin refill various colours	15.90

(We stock 200 types of ribbons)

Printer Packs

A starter pack for all printers consisting of printer paper and a connection cable costs

only £5 *(£5.88 Inc VAT)*

A stand is an additional £5.00 +VAT

Citizen's Print Manager

These advanced printer drivers transform colour printout's to laser type quality

Version 1 (224 & 24€) £5

Version 2 (Swift series 2) £10

Printer Drivers

Canon BJ-10e/ex	£5
Deskjet Colour	£5

Printer Drivers are 1/2 price with printers

Amigas

A600

Amigas Counter sales only

A600 Wild Weird & W. pk £189

A600 Hd 20Mb Epic pack £259

FREE Zool pack with all A600's (while stocks last)

A500 *Cartoon Classic*

Very limited stocks of this classic Amiga A500+ pack. (Some A500's have no boxes) £199

A1200

Amigas Counter sales only

5x faster. Workbench v3. 2M ram. Custom graphic 256K col. from 16.7M

	Software Pack C, A	D
A1200		
No Hd	£289	£315
80M Hd	£489	£495
120M Hd	£519	£539
170M Hd	£559	£575

Key to Software packs:
C - Comic Relief
A - Race & Chase
D - Desktop Dynamite NEW

All Amigas have Commodore Hard Disks with CBM on-site.

Amiga A4000

4000/030	2M	4M	6M
80M Hd	Phone for price		
120M Hd	999	1099	1149
214M Hd	1049	1149	1199
A4000/040 6Mram 120MHd			1919

Upgrades

A500 0.5-1Mram +clock	£24.90
A500 0.5-1Mram no clock	£19.90
A500+ 1Mram +clock	£44.50
A600 CBM 1Mram no clock	£29.90
A600 1Mram +clock	£39.90
A1200 2M ram (No FPU)	£129.00
A1200 4M ram (No FPU)	£199.00
A4000 4M Simm (1M x 32bit)	£159.00

Floppy Drives

New Rocted/Zappo

All Amigas A500-A1200 — £49.90

New Amitek 1M

All Amigas A500-A1200 — £56.90

Hard Drives

A500 GVP HD8+

40Mb Hard Disk £189

A1500

40Mb Hard Disk	£189
120Mb Hard Disk	£385
Controller (no disk)	£119

GVP ram £45.82 per 1Mb

GVP PC Emulator £95

286 16MHz Emulator for HD8+/A530

WorkStation

Expansion System

Monitor stand with shelf for drives etc. Strong metal construction made from 14SWG steel epoxy coated. No Cables or mouse are included.

Special price £27.50

Monitors

Commodore

Multiscan

1942 £344 14" Stereo Col. Dot pitch .28

1084S £179 Ex-Demo

2x 1940 available £269

Microvitec

Multiscan

1438 £315 14" Stereo Col. Dot pitch .28

Accessories

3M Joystick/Mouse lead	£3.75
A500 Printer cable	£7.95
Modulator/Disk Extension	£10.95
23way Plug or socket	£2.95
Computer Dust Cover	£4.70
Type Through Covers	£17.50
Mouse Mat (thick soft type)	£4.95
Mouse House	£2.95
1M internal 3.5" drive	£49.00
A500 replacement PSU	£39.00
The NEW 1200 Rocgen Plus	£165.00
Disc Wallet for 32 disks	£7.95
Amitek 1M 3.5" Ext. Floppy	£56.90
Vidi Amiga (12) REAL TIME	£175.00
360K 5.25" A2000 floppy	£29.00
A2000 New but limited stock	£269.00
CD32 with new 4 games s/w	£269.00
Mouse/Joystick Autoswitch	£12.95

Mice

Golden Image Mouse	12.90
Genius Happy Mouse	12.90
Manhattan Mouse	13.90
Naksha Mouse	15.90

SONY DISKETTES

SONY branded

(lifetime warranty)

(100% certified error free)

10x	3.5" DS/DD 135tpi	7.50
50x	3.5" DS/DD 135tp	32.30
100x	3.5" DS/DD 135tpi	59.93
250x	3.5" DS/DD 135tpi	141.00

DISKETTES

SONY / DYSAN bulk

(lifetime warranty)

(100% certified error free)

10x	3.5" DS/DD 135tpi	5.95
50x	3.5" DS/DD 135tpi	21.86
100x	3.5" DS/DD 135tpi	39.60
250x	3.5" DS/DD 135tpi	94.88
40 x	3.5" Disk box with lock.....	5.49
50 x	3.5" Disk box with lock.....	5.99
100 x	3.5" Disk box with lock....	7.50

Carriage on 50+ disks £6.00+VAT £7.05

70 page catalogue. All prices include 17.5% VAT unless stated otherwise

EDUCATIONAL AND GOVERNMENT ORDERS WELCOME

All hardware has 30 day money back & 12 month warranty.

Prices are subject to variation without prior notification.

Please phone for express clearance of cheques. Credit APR 29.8%

Established 9 years. 3 minutes from M27 Junction 11. Free parking.

Open 9 to 5.30 Monday to Friday & 9 to 5 Saturday. Carriage/order.

Post £1.60+VAT £1.88 Securicor £8+VAT £9.40 AM £14+VAT £16.45

MAY 94

Tech. Support 647400

WeServe

Larger items delivered by Securicor

Amiga/Format Dept.
40-42 West Street
Portchester Hants
PO16 9UW
Tel: 0705 647000

High quality products. Full technical support.

Visit our showrooms. See before you buy.

Amiga Shopper best buy



King of the Scanners
Just Amiga Monthly

256 Greyscale Scanners

Total solution for scanning A4 images

Features :- True greyscales , 100-400 dpi , 105mm head , OCR option

Top quality hardware with the latest version of software from Migraph.
Allows real time scanning, provides powerful editing/painting features.
Compatible (imports/exports) IFF, IMG, PCX, TIFF and MACPAINT formats.
Compatible with all Amiga's
A500,A500+,A600,A1200,A1500,A2000,A2500,A3000 and A4000

Touch UP , Merge It and Special OCR software.

Minimum system requirement 2Mb RAM, and a Hard Disk

New Low Price Including OCR

£139.00

ALFA COLOUR

256K 18 Bit Colour Scanner for all Amiga Systems.
Comes complete with Scanning Sotware and now with new Colour Correction facility.



£339.00

MIGRAPH COLOURBURST

The new 262,144-Colour Hand Scanner for all Amiga Systems.
Comes complete with Scan Kit Software and Junior OCR Software



£399.00

Trackball



GOLD AWARD WINNER IN ST FORMAT 92%
ST REVIEW 91%

Stylish three button trackballs, with third button supporting auto fire and drag and hold
New touch and light two colour shining Crystal Ball

£34.95

Mega Mouse MK II



A new low cost replacement Mouse for all Amiga Systems.
260 Dpi
12 Months Warranty.

£12.95

Auto Mouse/ Joystick Switch



Best Buy CU AMIGA

Automatic Switcher between two input devices with a click of a button.

E.g. mouse/joystick

£12.95

Mega Mouse 400



GOLD AWARD WINNER IN AMIGA FORMAT 90%

A 400 dpi high resolution Opto-Mechanical Mouse. Top quality construction ensures rapid and smooth movement, with micro switch buttons.

93 % Rating AMIGA USER INTERNATIONAL
Best Buy CU AMIGA / AMIGA COMPUTING / AMIGA SHOPPER "Astounding" / JUST AMIGA MONTHLY / AMIGA MART / ACCESS AMIGA

£14.95

Optical Mouse



St Format 81%
Cu Amiga 79%

Superb 300dpi Optical Mouse with effortless micro switch buttons. Fast, smooth and reliable.

Includes Optical Mouse Pad and Holder

£29.95

Optical Pen



A stylish Pen Mouse with quality construction and smooth fast movement. Micro switch buttons. Ideal for DTP, artwork, etc

Includes Optical Pad

£34.95

OKTAGON 2008

SCSI-2- Controller with upto 8 Mb upgradeable RAM for Amiga 2000/3000(T)/4000(T)
The Oktagon 2008 offers comprehensive solution to the most diverse SCSI devices and to the most diverse problems.

£ 129.00

MULTIFACE CARD III

Multi I/O card for Amiga series 1500/2000/2500/3000(T)/4000(T)
The multiface card III expands your AMIGA by adding 2 serial ports and 1 parallel port, which work at the highest possible transfer rate.

£ 129.00

NEW TANDEM CONTROLLER FOR CD-ROM DRIVES WITH IDE INTERFACE.

This is a dual multifunction controller card for the A1500,A2000,A2500,A3000(T) or A4000(T)
The ideal low-cost and one of the cheapest Amiga CD-ROM solution around.

£69.00

MIGRAPH

Full OCR for all Amiga's	£ 49.95
Junior OCR	£ 39.95
Touch Up & Merge It	£ 39.95
Scanning Tray	£ 49.00
Merge It	£ 15.00
Touch Up	£ 35.00
Touch Up Upgrade V3.x	£ 29.00
Upgrade to full OCR	£ 35.00

Only available to Registered users of OCR Junior

ColourBurst Color Scanner with Scan Kit and OCR £ 399.00

IDE HARD DRIVES FOR AMIGA A500/A500+/1500/2000/3000/4000

with Optional Ram Upgradeable from 0 to 8Mb

Controller Plus 40Mb Hard Disk	£ 179.00
Controller Plus 85Mb Hard Disk	£ 279.00
Controller Plus 120Mb Hard Disk	£ 299.00
Controller Plus 250Mb Hard Disk	£ 329.00

HARD DRIVES FOR AMIGA 600/1200 with IDE Cable.

30 Mb Hard Drive	£ 89.00
65 Mb Hard Drive	£ 149.00
120 Mb Hard Drive	£ 219.00
170 Mb Hard Drive	£ 239.00

Colourful Animal Jungle or Dinasour Design Mouse Mats.



New Soft Mouse Mats £5.00 Only



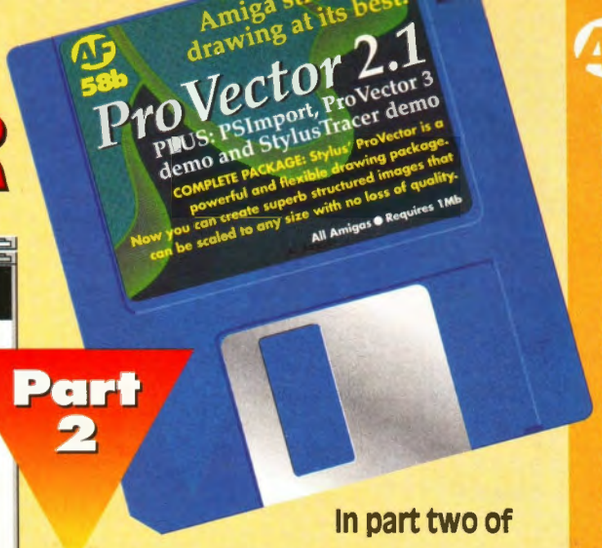
AVAILABLE FROM ALL GOOD COMPUTER STOCKIST OR CALL US ON TELEPHONE HOTLINE: 081 365 1102.

Please add £3.50 postage and packing to all orders under £100.00 and Orders over £100.00 add £5.00 postage and packing. COURIER CHARGE £10.00. All prices include VAT. GoldenImage accepts payments by Visa, Access, Cheque or postal order. E.&.O.E. Prices subject to change without notice. Goods subject to availability. Specification subject to change without notice. All Trade Marks are Acknowledged.

Tel :081 365 1102 Fax :081 801 8356
GOLDENIMAGE UK LTD
Unit 12a, Millmead Business Centre, Millmead Road, London N17 9QU

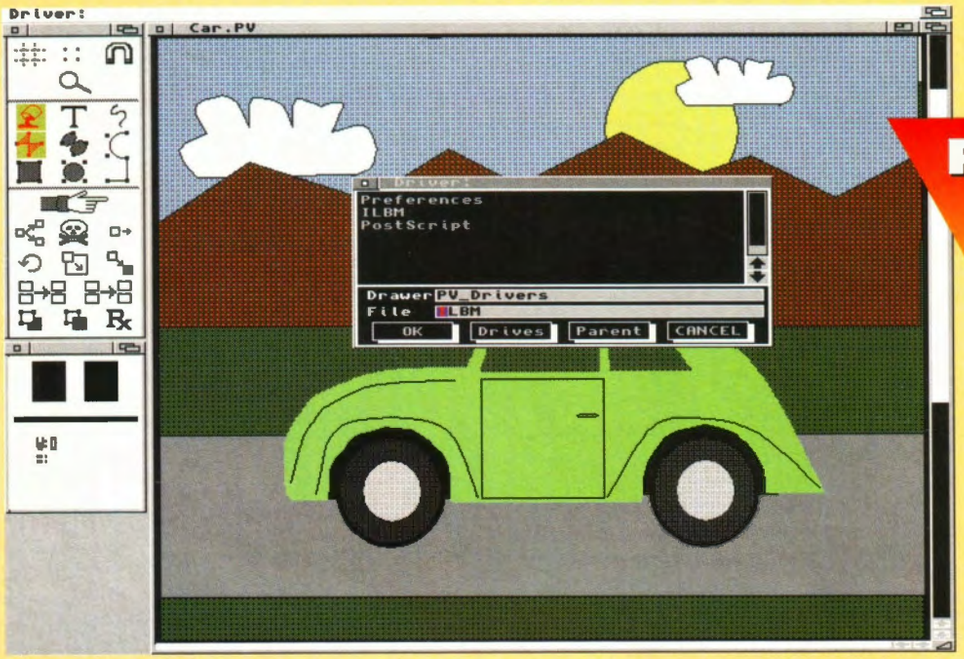
GOLDENIMAGE (UK) IS THE SOLE DISTRIBUTOR FOR ALFADATA PRODUCTS IN THE UK

PROVECTOR



Part 2

In part two of our ProVector series, Marcus Dyson discovers a few more of the ins and outs of this powerful structured-drawing package.



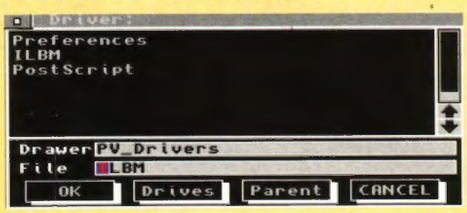
No you can't load your structured *ProVector* images into a bitmap package such as *Deluxe Paint*, *Personal Paint* or *Brilliance*. Not unless you export it as a bitmap first. Find out how to do this below.

THE FIRST LETTER we received about *ProVector* was from someone who said that they liked the program a lot, but that they couldn't load the pictures they had drawn into *DPaint*.

That's not really the idea of a structured-drawing package. As we explained last month, the pictures are created in a fundamentally different way to IFFs (or bitmapped pictures) like the ones used in paint packages. The advantage of this is that structured pictures do not get the 'jaggies' when they are blown up large.

If you convert a structured drawing into a bitmap, it will lose this property, and will become pixelated if it is enlarged, just like any other bitmap. But there are times when it would be handy to load a picture you have created into a paint package, and *ProVector* can easily export a bitmap, here's how:

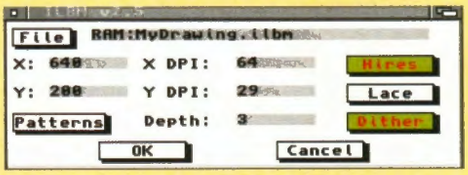
From the Project menu, select either the FULL or PARTIAL PLOT options. These are the menu items that enable you to print your *ProVector* picture. You will be presented with a requester like this:



Selecting the Preferences or Postscript options will enable you to output your image on the appropriate printer. We will go into more detail about these at a later date.

For now, just select the ILBM option and then click on the OK gadget. You will then be presented with a requester box like the one at the top of the next column.

Either enter the path and name of the file you want to save your bitmap picture as or, if you find paths tricky, click on the File gadget. This presents you with a standard file requester where you can point and click to choose the destination directory for your IFF file.



The other gadgets on the ILBM window (pictured above) allow you to control the size and screen mode of the resultant bitmap image. Experiment with these to see which is most useful for your purposes.

Once you have saved your picture, you can load it into *DPaint*, just like this...



The image above is the product of a FULL PLOT. This exports the entire *ProVector* document as a bitmap. As you can see, you also get all of the pasteboard area in your IFF as well.

If you want to avoid this, use the *ProVector* magnifying glass to zoom in on just the area of the picture you wish to use in your paint program, then select the PARTIAL PLOT menu item. This will create a bitmap which only includes the parts of the *ProVector* picture that you can see on screen.

Once you have turned a structured picture into bitmap, don't expect to be able to load it into *ProVector* again. If you need to edit in *ProVector* again, keep a copy of the original file.

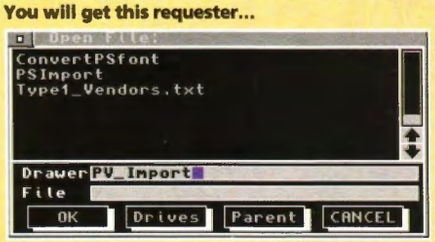
IS YOUR ARP LIBRARY MISSING?

After installing *ProVector* last month, some readers discovered that on trying to run the program they got a message about a missing ARP library. If you were one of those readers, worry not... simply copy the ARP library from the *ProVector* disk's Library folder into the LIBS folder of your Workbench disk. Reboot your system and *ProVector* will load fine.

POSTAL SERVICE

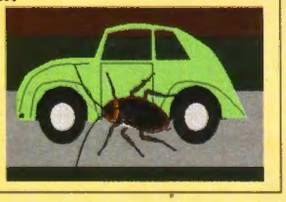
One feature of *ProVector* that we didn't mention in last month's Coverdisk tutorial is its ability to load in Postscript files. This format of image is common on the Apple Macintosh and the PC, and it is possible, but not very likely, that you may come across EPS (encapsulated post script) clip art that you want to load. If you do, this is how you should do it...

Select Open from the Project menu, just as if you were trying to open any *ProVector* picture. You will get this requester...

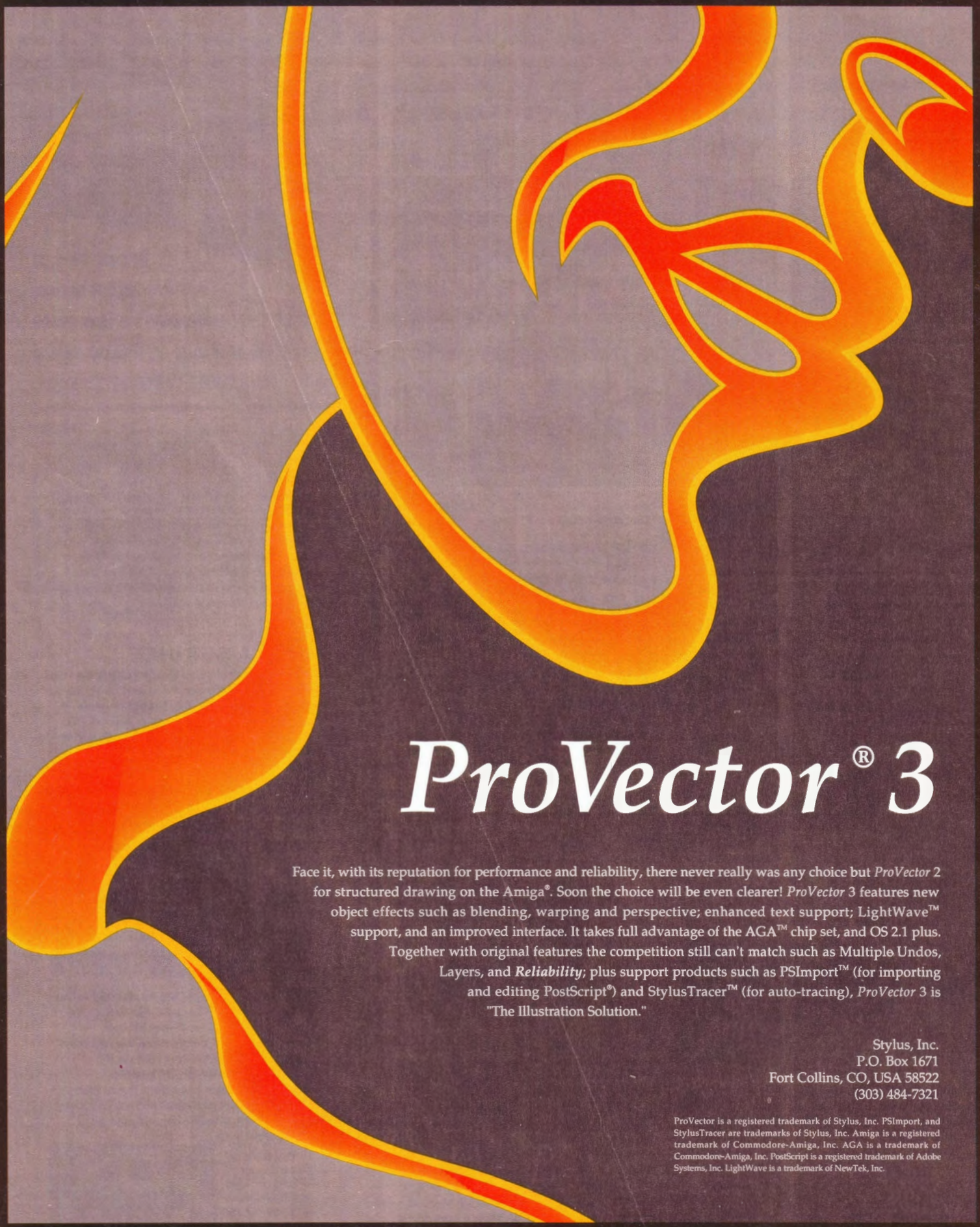


Use the gadgets to access the PV_IMPORT folder from last month's *ProVector* Coverdisk, in here you will find three files: ConvertPSfont, PSImport and Type1_Vendors.txt. We will cover the others later, but for now click on the PSImport line, then on the OK gadget.

You will then get a standard file requester, use this to find the postscript picture you want. Then click on OK. The EPS file will now be opened in *ProVector*.



This fabulous Cockroach is part of the EPS clip art that is included with *Final Writer*. Using PSImport, it can easily be opened in *ProVector*.



ProVector® 3

Face it, with its reputation for performance and reliability, there never really was any choice but *ProVector* 2 for structured drawing on the Amiga®. Soon the choice will be even clearer! *ProVector* 3 features new object effects such as blending, warping and perspective; enhanced text support; LightWave™ support, and an improved interface. It takes full advantage of the AGA™ chip set, and OS 2.1 plus. Together with original features the competition still can't match such as Multiple Undos, Layers, and ***Reliability***; plus support products such as PSImport™ (for importing and editing PostScript®) and StylusTracer™ (for auto-tracing), *ProVector* 3 is "The Illustration Solution."

Stylus, Inc.
P.O. Box 1671
Fort Collins, CO, USA 58522
(303) 484-7321

ProVector is a registered trademark of Stylus, Inc. PSImport, and StylusTracer are trademarks of Stylus, Inc. Amiga is a registered trademark of Commodore-Amiga, Inc. AGA is a trademark of Commodore-Amiga, Inc. PostScript is a registered trademark of Adobe Systems, Inc. LightWave is a trademark of NewTek, Inc.

GVP WORLD CLASS AMIGA PERIPHERALS

NEW PRODUCTS

RETURN THE COUPON FOR 64-PAGE AMIGA GUIDE

VIDEO GENLOCK
FOR ALL AMIGAS



This extremely high quality Amiga genlock, from GVP, has an intuition-based software control panel with full ARexx and command line interfaces. Easy to use, the G-Lock genlock features many sophisticated attributes among which are:

- *Two Composite Video Inputs or S-Video (Y/C) Input*
- *Simultaneous Composite & S-Video and RGB Output*
- *Video Processor - Real Time Software Control of Video Attributes (Sharpness, Gain, Brightness etc)*
- *ARexx Compatible*
- *Works with Flicker Fixers*
- *Multiple Keyer Modes*
- *Full Audio Support*

Amiga Gold Format 94%

G-LOCK
~~£349~~
£299
INC VAT - VID 2500

NEW 40MHz & 50MHz ACCELERATORS
FOR AMIGA 1200



- *40MHz 68030EC and 50MHz 68030 Accelerator*
- *Unique Feature Connector for Module Expansion*
- *Built-in Memory Management Unit on 50MHz Version*
- *Optional 60ns 32Mb RAM Upgrade*
- *Battery Backed Clock*
- *Optional 40MHz or 50MHz 68882 Maths Co-Processor*
- *Sophisticated Memory Management and Cache Control Software*
- *Kickstart Remapping Technology*

Top Rated — CU-Amiga Feb '94 97%

The new GVP A1230-II, available in 40MHz 68030EC and 50MHz 68030 configurations, are the most advanced accelerators yet for the A1200. They can make your Amiga run 6½ times (40MHz version) or 8½ times (50MHz version) faster than the standard A1200 and feature unique module expandability.

MMU OR FPU?
The 50MHz version includes a built-in Memory Management Module (MMU), for more sophisticated memory control. An optional FPU (Floating Point Unit: for faster maths calculations) is available for the 40MHz and 50MHz versions (see below), both have RAM upgrade options (up to 32Mb, see right).

UNIQUE MODULE EXPANDABILITY
The A1230-II is unique in that you can add further functionality to your Amiga by using expansion modules. GVP will be releasing a wide range of optional modules, the first being a high speed SCSI-2 interface. A 16-bit sound sampler and real time frame grabber will follow shortly. All modules can be fitted without invalidating the Amiga's warranty.

RAM UPGRADES

The A1230-II accelerator combo has two 32-bit SIMM sockets for easy Fast RAM expansion. The following SIMMs can be used in this slot.

- 1Mb 60ns Fast RAM SIMM - (RAM 3216) - £69 inc VAT
- 4Mb 60ns Fast RAM SIMM - (RAM 3246) - £199 inc VAT
- 16Mb 60ns Fast RAM SIMM - (RAM 3286) - £1299 inc VAT

SCSI-II EXPANSION MODULE

- *A1291 - Fastest SCSI Controller Yet*
- *DMA SCSI Design*
- *FaaaST ROM Controller*
- *High Speed, Unique DPRC Technology for Direct HD to Memory Transfer*

A1230-II SCSI EXPANSION MODULE
£79
inc VAT - UPG 1600

A1230-II PROCESSOR ACCELERATOR

40MHz 68030EC NO MMU

NO FPU			WITH 40MHz FPU
0Mb RAM	4Mb RAM	8Mb RAM	4Mb RAM
£249	£449	£649	£549
inc VAT - UPG 1240	inc VAT - UPG 1244	inc VAT - UPG 1248	inc VAT - UPG 1246

50MHz 68030 WITH MMU

NO FPU			WITH 50MHz FPU
0Mb RAM	4Mb RAM	8Mb RAM	4Mb RAM
£379	£579	£779	£679
inc VAT - UPG 1500	inc VAT - UPG 1540	inc VAT - UPG 1580	inc VAT - UPG 1545

24-BIT GRAPHICS CARD
FOR A1500/A2000/A3000/A4000



EGS Spectrum is the answer to all your 24-bit graphics card requirements. It is a high performance, high resolution, 24-bit board that will take any Amiga 1500, 2000, 3000 or 4000 beyond AGA! But the hardware is only half of the picture. Without quality software, your investment will be wasted. Not only does GVP's own award winning graphics application ImageFX fully support EGS Spectrum, but also, using a Workbench driver, nearly all existing Amiga Workbench compatible applications will also work on and support the EGS Spectrum system.

- *1Mb or 2Mb of On-board Memory*
  2Mb gives, higher resolutions & more colours (1030x768 Vs 1600x1280)
- *On-board Hardware BLiTTER*
- *Future Re-targetable Graphics Support*
- *Zorro II or Zorro III Autosensing*
- *Scan Rates up to 80KHz*
- *80,000,000 Pixels/sec Pixel Display Speed (8-bit)*
- *Programmable Display Resolution 320x200 to 1600x1280*
- *Supports Data Transfer Rates up to 12Mb/sec on Zorro III Systems*

EGS SPECTRUM

1Mb RAM	2Mb RAM
NEW! £349	NEW! £399
INC VAT - VID 7310	INC VAT - VID 7320

HARD DRIVE CARD
FOR A1500/A2000/A3000/A4000



The HC8+ is a high speed hard drive and RAM card which can also be used to increase your Amiga's RAM by up to 8Mb RAM.

A FULLY FEATURED SCSI INTERFACE FOR A4000s

- *High Speed DMA SCSI Controller Can Handle up to 7 Devices*
- *Ultra Fast Access SCSI Hard Drive Option - See Below*
- *Supplied Unpopulated, the HC8+ can be Upgraded to Give You up to 8Mb of FAST RAM - See Below for Details*
- *Direct Memory Access Style Design for Top Speed Transfer*

HC8+ HARD DRIVE CARD

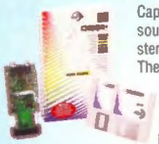
0Mb HD	120Mb HD
—	~~£309~~
£129	**£229**
INC VAT - HAR 1300	INC VAT - HAR 1422

RAM UPGRADE CARDS

GVP HC8+ INCLUDES 8 SIMM SOCKETS FOR EASY INSTALLATION OF FAST RAM. THE HC8+ WILL ACCEPT 2, 4, 6 or 8Mb USING 2, 4, 6 or 8 SIMMS

1Mb SIMM **£39.95** EACH INC VAT - MEM 3628

8-BIT SOUND SAMPLER
FOR ALL AMIGAS



Capture sound from an external source and play it back in stereo or mono on your Amiga. The latest version of GVP's Digital Sound Studio (DSS8+) enables you to create audio effects for use in games or jingles.

- *New Style High Impact, Clear Poly-Carbonate Casing*
- *Simultaneously Holds up to 31 Sound Samples in Memory*
- *Real-time Oscilloscope, Spectrum Analysis, Echo & Reverberation*
- *AREXX Compatible*
- *Microphone Input*
- *MOD File & MIDI Compatible*
- *FREE Samples Disk*

DSS8+
£69
INC VAT - MUS 2510

ACCELERATORS
FOR AMIGA 1500 & 2000



FAST! 32-bit TECHNOLOGY

GVP offer a range of A1500/A2000 accelerators that simply outstrip the competition for speed and specifications.

SPECIAL OFFER SAVE £64! 120Mb SCSI HARD DRIVE + MOUNT KIT HAR 2063 ~~£233~~ **£169** INC VAT
ONLY WHEN PURCHASED WITH G-FORCE ACCELERATORS SHOWN BELOW

G-FORCE ACCELERATORS	030 40MHz	040 33MHz
Speed MIPS*	12.1	30
Processor	68030EC	68040
Maths Co-Pro.	68882 included	In 68040 processor
Std 32-bit RAM	4Mb	4Mb
Max 32-bit RAM	16Mb	64Mb
Extras	SCSI	SCSI Ser/Par
PRICE	**£599** INC VAT - UPG 0430	**£999** INC VAT - UPG 0740

*MIPS: Millions of instructions / second. a normal Amiga runs at .67 MIPS

PLUG-IN HARD DRIVE
FOR THE AMIGA 500 & 500PLUS
+ RAM EXPANSION TO 8Mb



The A500 HD8+ provides the ultimate in hard drive performance, it can also increase the memory of your Amiga by up to 8Mb, support up to six SCSI devices and provide PC compatible emulation via its custom expansion slot (mini slot) see below.

"Without doubt the best hard drive available for the A500 ..." *Amiga Format* April '93

Amiga Gold Format 92% — Top Rated CU - AMIGA

COMPARISON CHART

FEATURES/MODEL	GVP HD8+	ICD TRIFECTA LX	COMMODORE A590 20Mb	EVESHAM REFERENCE 100
*TRANSFER RATE Kb per second	1066	1028	564	400
GVP DESIGNER STYLING	✔	-	-	-
RAM EXPANSION(MAX)	8Mb	8Mb	2Mb	4Mb
MINI SLOT (FOR FUTURE EXPANSION)	✔	✔	-	-
SCSI INTERFACE	✔	✔	✔	✔
GVP PERFORMANCE Faaast ROM	✔	-	-	-
DEDICATED POWER SUPPLY	✔	✔	✔	-

*Figures taken from *Amiga Computing*, October 1993

HD8+ 120Mb HD, 0Mb RAM
PREVIOUS PRICE ~~£399~~
£299
INC VAT - HAR 0922

PC EMULATOR

FOR USE WITH HD8+ or A530
PLUGS INTO THE HD8+ OR A530 TO ALLOW YOU TO RUN PC COMPATIBLE SOFTWARE ON YOUR AMIGA

286-16MHz EMU 0500 £99 INC VAT

IMAGE PROCESSING
FOR ALL AMIGAS WITH 4Mb RAM



Image FX is a complete solution for all your image creation and editing needs. It has a vast range of facilities, can read and write to many other different file formats and directly controls a wide variety of hardware.

- *24-bit Painting*
- *ARexx Compatible*
- *Virtual Memory Support*
- *Load, Save and Convert to the Following Formats: ANIM, BMP, Clipboard, DCTV, DPIIE, GIF, HAM-E, ILBM, IMPULSE, JPEG, RENDITION, SCULPT, TARGA, TIFF AND MORE*
- *Scanning, Framegrabbing & 24-bit Board Support Comes with Modules for Several Popular Hardware Devices: JX100, IV24, AGA/AA Chipset*
- *Create Animations*
- *Numerous Special Effects Edge Feathering, Shading, Alpha Channel, Morphing, Compositing etc*

Amiga Gold Format 92%

CINEMORPH INCLUDED! SEE DETAILS BELOW

IMAGE F/X
~~£269~~
£199
INC VAT - ASI 2002

VIDEO EFFECTS
FOR ALL AMIGAS WITH 3Mb RAM



CineMorph from GVP opens up the world of Morphing, the process of converting one image to another to create dazzling special effects. Currently very popular in music videos and feature films, morphing has become the fashionable video effect to use. Now with CineMorph you can create these stunning effects on your Amiga.

- *Supports the AA Chipset*
- *Static or Full Motion Morphing*
- *Single Image Warping*
- *Fast Render Times*
- *Renders to HAM-E and*

CINEMORPH
~~£99~~
£25
INC VAT - ASC 4422

THE SILICA SERVICE

SILICA 1978 15 YEARS 1993 SERVICE TO YOU

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. We can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M A YEAR COMPANY** With over 200 staff - We are solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts are available. **Tel: 081-308 0888.**
- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with special offers and full details of hardware, peripherals and software.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA

HOT LINE 081-309 1111

SILICA IS A DIVISION OF MICRO DIS PLC

MAIL ORDER: 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX **Tel: 081-309 1111**

CHELMSFORD SHOP:	Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA	**Tel: 0245 490654**
CROYDON SHOP:	Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ	**Tel: 081-688 4455**
GLASGOW SHOP:	Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR	**Tel: 041-248 3896**
IPSWICH SHOP:	Debenhams (2nd Floor), Waterloo House, Westgate St, Ipswich, IP1 3EH	**Tel: 0473 287092**
LONDON SHOPS:	52 Tottenham Court Road, London, W1P 0BA	**Tel: 071-580 4000**
	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	**Tel: 071-629 1234**
MANCHESTER SHOP:	Debenhams (3rd Floor), Market St, Manchester, Lancashire, M60 1TA	**Tel: 061-839 3654**
SIDCUP SHOP:	1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX	**Tel: 081-302 8811**
SOUTHEND SHOP:	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	**Tel: 0702 468039**

To: Silica, AMFOR-0594-68, 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX

PLEASE SEND ME A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: ..... Surname: .....

Company Name (if applicable): .....

Address: .....

..... Postcode: .....

Tel (Home): ..... Tel (Work): .....

Which computer(s), if any, do you own? 68AC

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

ANALOGIC
ANALOGIC
ANALOGIC

Analogic Computers (UK) Ltd

Unit 6, [illegible]y Centre,
Elm Crescent
Kingston-upon-Thames
Surrey KT2 6HH

Telephone Mon-Fri 9am-6.30pm
Sat 9am-5.00pm
081-546 9575
Tel/Fax: : 081-541 4671

COMPUTERS AND MONITORS REPAIRS WHILE-U-WAIT!!!

* AMIGA A500/A600/A1200 REPAIRS WITHOUT DIAGNOSTIC FEES
* FIXED CHARGES (A500 AND A500+ ONLY)
* FAST TURNAROUND
* MANY COMPUTER REPAIRS DONE WHILE-U-WAIT
* WE PROVIDE PICK-UP SERVICE FOR REPAIRS FOR ONLY £6.00 + VAT
* QUOTATION ON A600/A1200 AND MONITOR REPAIRS

£49.95 (A500 & A500+ ONLY) including NEXT DAY DELIVERY (if picked up by us) by COURIER SERVICE when dispatched back

PRINTERS

Hewlett Packard HP310	£229.95
Hewlett Packard HP520	£249.95
Hewlett Packard HP550 C	£449.95

FLOPPY DRIVES

1 Meg 3.5" A500 Internal	£44.95
1 Meg 3.5" A600 Internal	£54.95
1 Meg 3.5" A1200 Internal	£54.95

ACCESSORIES

512K RAM A500	24.95	SUPER PRO ZIPSTICK	14.95
512K RAM A500+	24.95	10 BRANDED BLANK DISKS	9.95
1MEG RAM A500+	44.95	10 UNBRANDED BLANK DISKS	5.95
1MEG RAM + Clock A600	54.95	MODEM CABLE	9.95
AMIGA 290 DPI Mouse	14.95	PRINTER CABLE	9.95
SCART LEAD	14.95	A1200 RAM	POA
MOUSE MAT	4.95	ACCELERATORS	POA
DUST COVER	4.95		

CHIPS AND SPARES

KICKSTART ROM V1.3	24.95	8375 1 MEG FATTER AGNUS	24.95
KICKSTART ROM V2.04	24.95	8375 2 MEG FATTER AGNUS	29.95
KICKSTART ROM V2.05	34.95	PAULA	19.95
ROM SHARER	19.95	GARY	11.95
A500/A500+ Keyboard	59.95	CIA	8.95
A600/A1200+ Keyboard	69.95	68000	14.95
AMIGA PSU	44.95	6570 KEYBOARD CHIP	24.95

Access

★ All prices include VAT and **SAME DAY DESPATCH** subject to availability ★ Fixed charge for repair does not include disk drive replacement nor keyboard
★ All prices subject to change without notice ★ We reserve the right to refuse any computer/monitor repair

VISA

Please make Cheques/Postal orders payable to:

HOME SOFTWARE SERVICES

No 5 Crestville Terrace, Clayton, Bradford West, Yorks BD14 6DT.

Phone anytime on 0274 882992 or fax 0274 818803

Amiga Games

A 320 AIRBUS APP' TRAINER	25.49
ALIEN 3	17.99
ALIEN BREED 92	9.99
ALIEN BREED 2	18.99
ALFRED CHICKEN	17.99
AMBER MOON	17.99
ANCIENT ART OF WAR IN SKIES	24.49
APOCOLYPSE	17.99
ASSASSIN	17.99
B17 FLYING FORTRESS	24.49
BATTLE TOADS	17.99
BENEATH A STEEL SKY	27.99
BIRDS OF PREY	10.49
BLADE OF DESTINY	27.99
BABE BAD DAY	17.99
BODY BLOWS 2	18.99
BODY BLOWS GALACTIC	18.99
BRUTAL SPORTS FOOTBALL	17.99
BUBBA AND STIX	17.99
CAMPAIGN 2	24.49
CANNON FODDER	20.99
CHAMPIONSHIP MANAGER '93	17.99
CHAMPIONSHIP MAN 94 DATA	8.99
CHAOS ENGINE	17.99
CIVILIZATION	24.49
COMBAT AIR PATROL	20.99
COMBAT CLASSICS 2	20.99
COOL SPOT	20.99
COSMIC SPACE HEAD	17.99
CYBERSPACE	24.99
DESERT STRIKE	20.99
DEEPCORE	17.99
DISPOSABLE HERO	17.99
DOGFIGHT	24.49
DRACULA	20.99
DUNE 2	21.99
ELITE 2 FRONTIER	20.99
EUROPEAN CHAMPIONS	17.99
EYE OF THE BEHOLDER	21.99
F1	17.99
F15 STRIKE EAGLE 2	14.99
F17 CHALLENGE	11.99
F19 STEALTH FIGHTER	14.99
F1 17A	24.49
FALCON 3	24.99
FATMAN	17.99
FIELDS OF GLORY	24.99
FLASHBACK	21.99

Amiga Games

FURY OF THE FURRIES	20.99
GENISA	20.99
GLOBAL DOMINATION	24.49
GLOBULE	20.99
GOBLINS 3	24.49
GRAHAM GOOCH CRICKET	20.99
GUNSHIP	10.99
GUNSHIP 2000	20.49
HELMDALL 2	20.99
HIRED GUNS	24.49
HISTORY LINE 1914-1918	24.49
HAYLES BOOK OF GAMES VOL1	10.99
INDIANA JONES F.O.A ADV	26.99
INDIANA JONES F.O.A ARCADE	17.99
INDIANA JONES LAST CRUSADE	11.99
INNOCENT	24.49
JOHN MADDEN FOOTBALL	10.99
JURASSIC PARK	17.99
KING MAKER	24.99
KINGS QUEST 6	24.49
KNIGHTS OF THE SKY	12.99
LAMBOURGINI CHALLENGE	17.99
LASER SQUAD 2	17.99
LEMMINGS DOUBLE PK SPECIAL	21.99
LEMMINGS 2 THE TRIBES	20.99
LINKS CHALLENGE GOLF	15.99
LOOM	11.99
LORD OF THE RINGS 2	19.99
LOST TREASURE OF INFOCOM	24.99
MANIAC MANSIONS	10.99
MAELSTROM	24.49
MEAN ARENAS	17.99
MICROMACHINES	17.99
MICROPROSE GRAND PRIX	22.99
MICROPROSE GOLF	22.99
MIDWINTER 2	12.99
MIG 29 FULCRUM	10.99
MONKEY ISLAND 1	12.99
MONKEY ISLAND 2	23.99
MONOPOLY	19.99
MORTAL KOMBAT	20.99
NICK FALDO'S CHAMPION GOLF	24.49
NIGHT SHIFT	11.99
ONE STEP BEYOND	13.99
OPERATION STEALTH	11.99
OSCAR	17.99
OVERDRIVE	18.99
PATRICIAN	22.99

Amiga Games

PINBALL DREAMS	16.99
PINBALL DREAMS/FANTASIES	19.99
PIRATES	10.99
PREMIER MANAGER 1	17.99
PREMIER MANAGER 2	17.99
PRIME MOVER	17.99
RAILROAD TYCOON	24.99
REACH FOR THE SKIES	21.99
RULES OF ENGAGEMENT 2	24.49
RYDER CUP	17.99
SCRABBLE	19.99
SEEK AND DESTROY	14.99
SECOND SAMURAI	20.99
SENSIBLE SOCCER '92/93	17.99
SEVENTH SWORD ON MENDOR	17.99
SILENT SERVICE 2	24.49
SIM CITY DELUXE	24.49
SIM EARTH	16.99
SIM LIFE	24.49
SIMPSONS	17.99
SIMON THE SORCERER	24.49
SIMPSONS: BART VS WORLD	20.99
SKIDMARKS	17.99
SOCCER KID	20.99
SPACE HULK	24.49
STAR DUST	11.99
STREETFIGHTER 2	19.99
SUPER TETRIS	19.99
SUPER HERO	20.99
SYNDICATE	24.49
SYNDICATE DATA DISK	NYR
TERMINATOR 2 ARCADE	20.99
THE BLUE AND THE GREY	24.99
THE HUMANS 2	NYR
THEATRE OF DEATH	20.99
THOMAS TANK ENGINE 2	11.99
TORNADO	24.49
TROLLS	8.99
TURRICAN 3	17.99
TWILIGHT 2000	20.99
URIDIUM 2	17.99
UTOPIA	7.99
UTOPIA 2	17.99
WAR IN THE GULF	20.99
WINTER OLYMPICS	22.99
WHIZZ KID	11.99
WHIZ AND LIZ	20.99
WORLDS OF LEGEND 2	17.99
YO-JOE	17.99
ZOOL	17.99
ZOOL 2	17.99

Amiga 1200

1869	20.99
ARI BUCKS V1.2	24.49
ALFRED CHICKEN	17.99
ALIEN BREED 2	20.99
BODY BLOW'S GALACTIC	20.99
BURNING RUBBER	17.99
CASTLES 2	19.99
CHAOS ENGINE	17.99
CIVILIZATION	27.99
D-GENERATION	19.99
DELUXE PAINT IV AGA	79.99
DENNIS	19.99
DIGGERS	24.49
FATMAN	20.99
ISHAR: LEGEND OF THE FORTRESS	20.99
ISHAR 2	20.99
JURASSIC PARK	19.99
KINGS QUEST 6	24.49
LIBERATION: CAPTIVE 2	23.99
MORPH	20.99
MR NUTZ	19.99
NIGEL MANSELL'S WORLD CHAMP	20.99
OSCAR	17.99
OVERKILL	13.99
PINBALL FANTASIES	20.99
RYDER CUP	17.99
SABRE TEAM	20.99
SECOND SAMURAI	23.99
SIM LIFE	24.49
SIMON THE SORCERER	27.99
SLEEPWALKER	17.99
SOCCER KID	20.99
STAR TREK 25TH ANNIVERSARY	20.99
TFX	19.99
TRANSARCTICA	20.99
WHALES VOYAGE	20.99
WIZ 'N' LIZ	31.99
ZOOL	20.99
ZOOL 2	20.99

Amiga CD32

1869	20.99
7 GATES OF JAMBULA	17.99
ALFRED CHICKEN	17.99
ALIEN BREED/QUAK	19.99
ALIEN BREED 2	23.99
BEAVERS	17.99

Amiga CD32

CASTLE 2	20.99
CHAMBERS OF SHAOLIN	17.99
CHAOS ENGINE	19.99
D-GENERATION	17.99
DANGEROUS STREETS	20.99
DEEP CORE	17.99
DENNIS	20.99
FIRE FORCE	23.99
HERE WITH THE CLUES	23.99
JURASSIC PARK	23.99
LABYRINTH OF TIME	17.49
LIBERATION CAPTIVE 2	24.49
LOTUS TURBO TRILOGY	24.49
MEAN ARENA	20.99
MICROCOSM	27.99
MORPH	20.99
NICK FALDO'S CHAMP GOLF	24.49
NIGEL MANSELL'S WORLD CHAMP	20.99
ON THE BALL	27.99
OVER KILL/LUNARC	20.99
PIRATES GOLD	20.99
PROJECT X/17 CHALLENGE	19.99
PINBALL FANTASIES	22.99
ROBOCOD	23.99
RYDER CUP	23.99
SEEK AND DESTROY	17.99
SENSIBLE SOCCER 92/93	17.49
TOTAL CARNAGE	26.49
TRIVIAL PERSUIT	23.99
TROLLS	20.99
ULTIMATE BODY BLOWS	23.99
URIDIUM 2	19.95
WHALES VOYAGE	20.99
ZOOL	20.99

Utilities

AMOS 3D (NEEDS AMOS)	23.99
AMOS COMPILER (NEEDS AMOS)	20.99
AMOS EASY	23.99
AMOS PROFESSIONAL	33.99
AMOS PROFESSIONAL COMPILER	23.49
DELUXE PAINT IV	59.49
HOME ACCOUNTS 2	36.99
KINDWORDS 3	29.99
MINI OFFICE	39.99
MAXIPLAN 4	19.99
THE PUBLISHER	19.99
WORDWORTH V2	53.99
MAVIS BEACON TYPING V2	19.99
OFFICE GOLD V3 AGA	59.99
SCALA 500	75.99
SCALA PROFESSIONAL	179.99

Educational

ADI ENGLISH: 11-12 YRS	17.99
ADI FRENCH: 12-13 YRS	17.99
ADI FRENCH: 13-14 YRS	17.99
ADI JUNIOR COUNTING: 6-7 YRS	13.49
ADI JUNIOR READING: 4-5 YRS	13.49
ADI JUNIOR READING 6-7 YRS	13.49
ADI MATHS: 11-12 YRS	17.49

Educational

ADI MATHS: 12-13 YRS	17.49
ADI MATHS: 13-14 YRS	17.49
FUNSCHOOL 4: 2-5 YRS	16.99
FUNSCHOOL 4: 5-7 YRS	16.99
FUNSCHOOL 4: 7+ YRS	13.49
FUNSCHOOL 4: 7-11 YRS	17.49
MERLIN MATHS: 7-11 YRS	17.49
NODDY'S BIG ADVENTURE	16.99
PAINT AND CREATE: UNDER 5 YRS	17.49
SPELLING FAIR: 7-13	17.49

Joysticks/Mice

BOLLISTICK HAND PAD M/SW	9.99
COMPETITION PRO 5000 MINI	13.99
COMPETITION PRO EXTRA	12.50
CRUISER TURBO A/F	12.99
FREEWHEEL LOGIC3 DIGITAL	26.99
NAVIGATOR AUTOFIRE	13.50
QUICKSHOT MAVERICK	14.50
QUICKSHOT PYTHON	10.99
QUICKJOY JET FIGHTER	13.99
QUICKJOY FOOTPEDALS	22.50
QUICKJOY TOPSTAR	19.99
SALTEK MEGAGRIP 2	19.99
SPEEDKING ANALOGUE	13.99
THE BUG	13.99

3.5" Disks/Boxes

10 X DS DD + LABELS/BOX	5.99
20 X DS DD + LABELS/BOX	11.99
50 X DS DD + LABELS/BOX	22.99
100 X DS DD + LABELS/BOX	39.99
500 X DS DD + LABELS/BOX	185.00
10 CAPACITY BOX	2.99
25 CAPACITY BOX	3.99
40 CAPACITY BOX	5.99
50 CAPACITY BOX	8.99

THIS IS JUST A SELECTION OF THE SOFTWARE THAT WE SUPPLY, INCLUDING PC, CD-ROM, ATARI, MAC AND OTHER FORMATS. PLEASE RING FOR ANY TITLES NOT LISTED AND WE'LL BE HAPPY TO PROCESS YOUR ORDER, WITHOUT DELAY.

Mail Order Software and consumables for the Home Computer User.

Date:	I own an Amiga.....and wish to purchase:	Price:
Name:	1)	
Address:	2)	
	3)	
	4)	
	My Visa/Access no. is:	
Postcode:	My Credit Card expiry date is:	Postage/Packing:
Tel:	Signature:	FULL TOTAL:

Credit cards will only be debited once your goods have been despatched.

VISA Access MasterCard

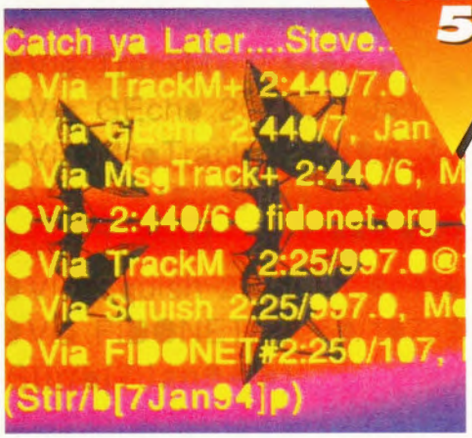
Amiga Format May 94

POSTAGE & PACKING
£1.00 PER ITEM
£1.50 FIRST CLASS
£3.00 EEC

All prices subject ot change without notice. Goods despatched on cheque clearance, and new titles deal same day of release. E & EO. N.B. Some titles may not be released at the time of going to press, and all items listed are subject to availability.

NEXT MONTH
INTERNET - THE GLOBAL NETWORK

Part 5



WHAT'S NEW ON THE NETWORK

In this month's thrilling instalment, Richard Baguley takes a look at the various amateur E-mail networks on offer, and where you can find them.

```
▪ BLITZ_AMY-ECHO
Dt: 22-03-94 16:00
By: Simon Armstrong on [0:0/0]
To: Steven Rodenburg on [0:0/0]
Re: BlitzPack

Currently shipping as "Blitz2"

is a Reference Manual
   a User Guide
   4 Disks that unpack into 7 or so disks
   Registration card

If you are missing the user guide something has gone wrong, contact
the people you bought it off!
--- Star-Met v1.02a
 * Origin: Phone The Bridge Baud 64-7-8430086 AMIGA! (41:647/640.0)
```

One echo on Amiganet is devoted to the *Blitz Basic* programming language, a version of which was included on the Coverdisk of *Amiga Format* Issue 52. Simon Armstrong, the author of *Blitz*, pops up here every now and then.

```
Message #428 TREKNET - NEXT GENERATION (Read: 2)
Date: 18 Feb 94  07:50:46
From: David Mathias
  To: Tom Pinnock
Subj: Nitpickers Guide

Tom Pinnock wrote in a message to David Mathias:

DM> Ah it was a DS9 tape he got you wasnt it?
TP>
TP> Yep! - The 1st one with 'The Making Of' on it (Terry
TP> Farrell, yum, yum, yum!)

Ah the special edition, I knew it was something like that.

TP> Have you seen some of the out-takes from TOS? (they were in
TP> that Star-trek celebration thingy a few years back)?...
TP> Theres some great ones in that - like the doors not opening
TP> in time.... (GRIN)...

Yes, I like the one where the "Stormtroopers" run into where Kirk is trying to
escape from a cell and one slides and falls over.  Pity they cut it really :-)
More? [Y/n/c]
```

Treknet is a specialist network for fans of *Star Trek*. There are 17 echoes on topics that range from the science of *Star Trek* to what happens if you cross a Ferengi with a Tribble. Treknet is available from Metnet Triangle on 0482 473871.

OVER THE PAST couple of years, there has been a new trend in Comms. While the main amateur E-mail network (Fidonet) has continued to grow, other more specialised networks have started to spring up.

Some of these have been started by users who weren't happy with Fidonet, and some by people who just wanted to be involved in a smaller, more intimate or specialist networks. Each network is divided into subject areas called echoes. These can often cover obscure subjects, such as the Wiccan Pagan echo on Incarnet which is devoted to discussion about the pre-Christian Wiccan religion.

AMIGANET

As the name suggests, the Amiganet network is run by and for Amiga users only, so you won't be bothered by any PC owners sneaking in, even though some of the systems which carry Amiganet run on PCs or other types of computer. There are a variety of echoes covering subjects such as the *Blitz Basic* programming echo and hints and tips for a huge range of Amiga games.

Amiganet is available on many Bulletin Boards, including Red Rose: 0772 652212 and Aspects: 061-792 0260.

INCARNET

Incarnet is a network for those interested in new (or old) age concepts such as astrology or 'magick' as some folk call it. It's not a particularly big network, but it is one of the more specialised ones.

Incarnet is available from Metnet Triangle: 0482 473871.

MERCURYNET

As with many other E-mail networks, Mercurynet began as a small network between two people. It has grown rapidly since then, and now has more than 170 Bulletin Boards. It's mainly based within the UK, but it is spreading into Europe with BBS in Austria and Germany joining the network.

Mercurynet is also connected to the American Virtualnet, which has echoes on topics as diverse as the Rocky Horror Picture Show and Greek mythology.

Mercurynet is available on The Flying Kipper: 0204 701084.

FIDONET CLASSIC

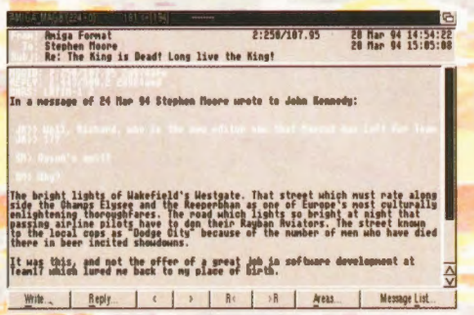
Following recent geographical reorganisations within Fidonet, several people decided that they no longer wished to be part of this network. So, they set up Fidonet Classic, which is organised in a similar way to Fidonet, but is not directly connected with it.

Fidonet Classic is available on Metnet Triangle: 0482 473871.

NODELIST FILES

Each Bulletin Board in an E-mail network has an entry in the nodelist file, which is a sort of address book for the network. This also contains the phone numbers of the BBS, so you can send messages from one BBS to another in the network directly, although most messages are passed through other BBS to save phone bills.

ADDRESSING YOUR QUERIES



Every message has a source, as shown by the number on the top right. But how do you tell where this is?

Every mail message you ever read on networks such as Fidonet and Aminet has an address attached which shows you where the message was written.

But what do these numbers mean? Let's explain by taking Spong!, the *Amiga Format* Bulletin Board, as an example.

The new Fidonet address for Spong! is: 2:255/77.0. The meaning of these numbers can be broken down as follows: Zone:Net/Node.point

The Spong! Fidonet address is: 2:255/77.0

So, the zone (geographical area) for Spong! is 2, the net is 255 and the node (a specific area within the net) number is 77.

Zone 2 covers Europe, and Zone 1 Covers North America. Net 255 is South West England, and node 77 of this network is Spong!.

Let's take another example. There is a Bulletin Board called The Flying Scotsman which has a Fidonet address of 6:624/297.0. With a name like The Flying Scotsman, you might expect the Bulletin Board to be located in downtown Glasgow or perhaps on platform 13 of London's Euston Station.

However, the truth of the matter is somewhat different, as a quick analysis of the Fidonet address reveals.

Zone 6 covers Asia and Australasia, so that rules out Glasgow, and for that matter platform 13 of Euston Station. Net 640 covers the north of Australia, and a quick scan of the nodelist informs us that The Flying Scotsman Bulletin Board is in fact located in Jimboomba in Queensland, Northern Australia.

Most Bulletin Boards allow you to search out a specific BBS, be it by name or address.


HEY, SHOPPER!
MISSED THE 16-PAGE AMIGA SHOPPER SUPPLEMENT?
TURN BACK TO PAGE 98, NOW!

Britain's best-selling magazine for hardcore Amiga enthusiasts

AMIGA SHOPPER

YOUR DEFINITIVE AMIGA GUIDE

From the makers of AMIGA FORMAT

FREE! pages jam-packed with Amiga advice

WORDWORTH v3 EXPOSED

We compare the latest version with *Final Writer* in minute detail

NO PROBLEM!

Solutions to all of your Amiga hassles from our panel of experts

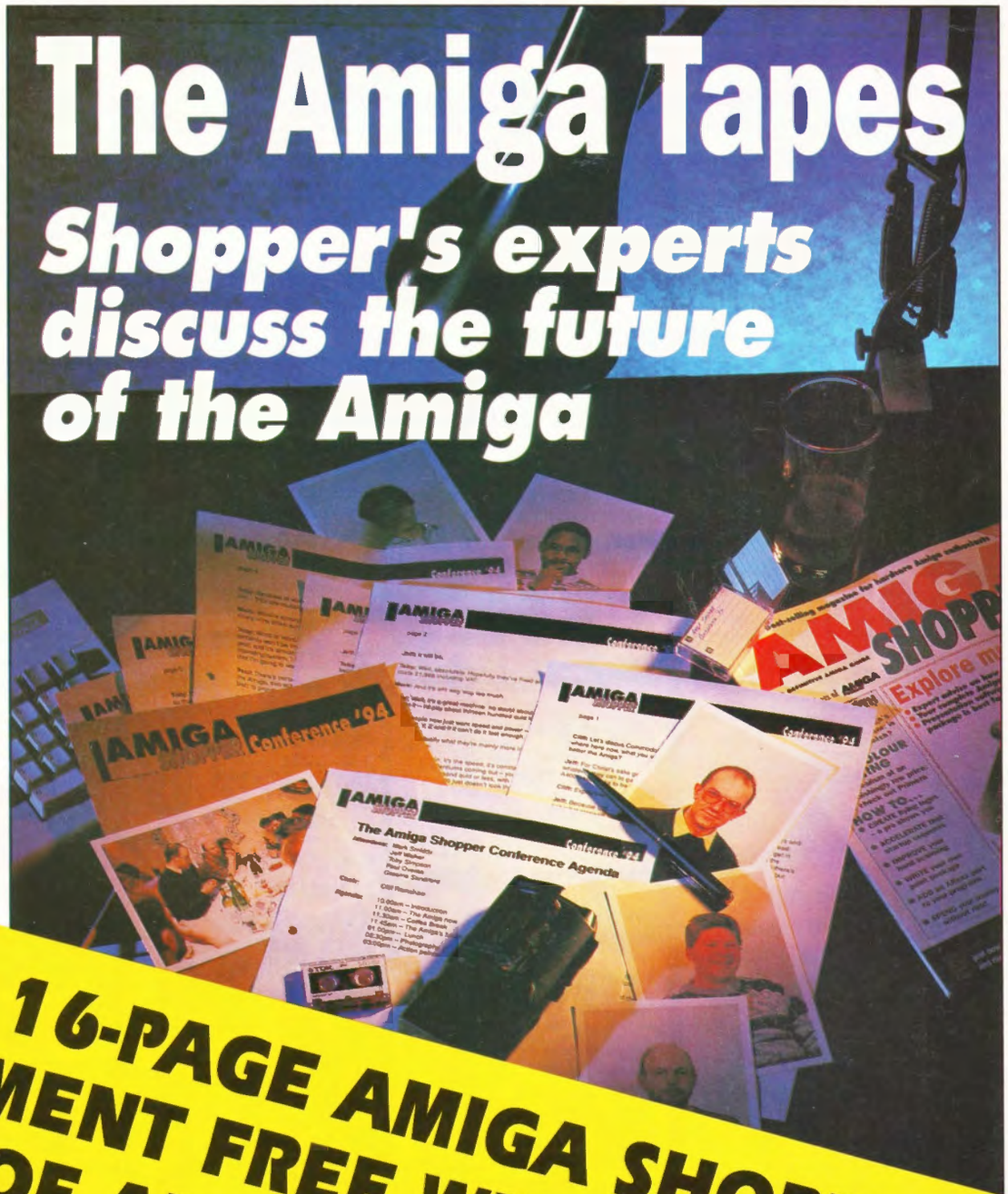
PERFECT PRINTS

How to set up your software to get the best printouts

PROGRAMMING

Write a spreadsheet
professional in C

software



EXCLUSIVE 16-PAGE AMIGA SHOPPER SUPPLEMENT FREE WITH THIS ISSUE OF AMIGA FORMAT!

SPECIAL SUPPLEMENT ISSUE ● MAY 1994

PLUS

LEARN THE LANGUAGE OF THE PROS AND CREA
FULLY WORKING SPREADSHEET ● GET YOUR SOFTWARE FOR
FREE WITH OUR GUIDE TO THE VERY BEST PD OF ALL TIME!

of value

OPEN 7 DAYS

ALL PRICES INCLUDE VAT

TRILOGIC

UNIT 1,
253 NEW WORKS RD,
BRADFORD, UK,
BD12 0QP Est 1984
FAX 0274 600150

SALES 0274 691115

ACCESS VISA
SWITCH DELTA
CONNECT AMEX

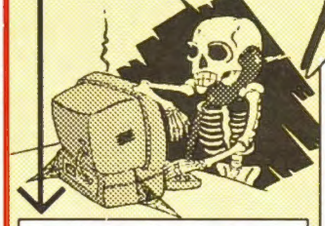
SWITCH CARDS ACCEPTED FOR TELEPHONE ORDERS

FAST PROFESSIONAL MAILORDER SERVICE. SAMEDAY DESPATCH^

1) Order by phone using your credit, charge, or debit card.
2) Order by Mail - sending cheque bankers draft or postal orders payable to TRILOGIC.
3) Please add part postage & packing of £1.00 to small orders under £100 or £2.00 to small orders over £100. Large/heavy or fragile items sent by carrier only: 48HR £5.50; Overnight £7.50 Uk Mainland only. Scottish Highlands £9.50; N.IRELAND. £12.00; EIRE +£20 UK Saturday delivery £14.00 (Not available to Scottish Highlands) Goods remain our property until paid for. ^Subject to goods being in stock.

AMIGA 1200 HARD DRIVES

COMPARE THESE PRICES



This poor chap should have come to us for his AMIGA 1200 HARD DRIVE -we've got them in stock at low low prices.

40 MEG	only £129.99
64 MEG	only £159.99
80 MEG	only £179.99
170MEG	only £219.99
210MEG	only £234.99
250MEG	only £259.99
340MEG	only £299.99
420MEG	only £349.99
540MEG	only £449.99

PRICE INCLUDES:

* FREE FITTING WHILE U WAIT
* FORMATTED & PARTITIONED
* FULL WORKBENCH INSTALLED.
* 12 MONTHS WARRANTY.
* JUST PLUG IN & GO.
* ONLY REPUTABLE MAKES USED
* FREE UTILITIES worth £19.99 see opposite for details.
* COLLECTION SERVICE

Not local ? - we collect fit, & return by overnight carrier for only £19.99 extra. (Mainland only)

AND REMEMBER
If we fit the drive, we cover your computer for the remainder of its 12month warranty.

YOU CAN'T GO WRONG...
ALL OUR DRIVES FIT INTERNALLY WITH NO MODS TO CASE, OR FLOPPY DRIVE.
All drives are formatted, partitioned & FULL workbench is installed so they are ready to use.

COMPARE OUR DRIVES TO EXTERNAL UNITS.

< AVAILABLE NOW*
< LOWER COST
< NO RELIABLILITY PROBLEMS
< NO COMPATIBILITY PROBLEMS
< PCMCIA SLOT REMAINS FREE
< 100s OF SATISFIED CUSTOMERS

Why risk £££s and have to pay in advance for complicated external PCMCIA units which have proved unreliable in the past. Despite what you may have read, our hard drives involve NO cutting of the case, NO drilling of holes, NO removal of the floppy drive.
*Most sizes available from stock

DIY FITTING

ANY DRIVE MAY BE PURCHASED FOR DIY FITTING AT THE ABOVE PRICES WHICH INCLUDE ALL CABLES & INSTRUCTIONS + FREE HARD DISK TOOLS & PREP DISK. The drives supplied are exactly as fitted by us - ie ready to use.
If you already have a drive, the cables are available separately:-

2.5"/2.5" IDE CABLE	£9.99
3.5"/2.5" ADAPTOR & CABLE	£21.99
3.5"/2.5" ADAPTOR & LONG CABLE	£24.99

(For connecting 3.5" drive externally)

DRIVE SIZES ARE APPROX & VARY WITH MAKE

TOP SOFTWARE

EDUCATIONAL TITLES SUFFIXED E
RESTOCKS,& NEW TITLES/VERSIONS IN RED

ASDG SCANNER SOFTWARE	£109.99
ASDG PRO CONTROL	£59.99
ADI JUNIOR RANGE	£14.99 E
ADI RANGE	£17.99 E
ALADDIN 4D V3	£199.99
AMOS	£31.99
AMOS - EASY	£23.99
AMOS 3D	£22.99
AMOS COMPILER	£19.99
AMOS PROFESSIONAL - DOWN TO	£37.99
AMOS PRO COMPILER	£23.99
ART DEPT PRO AGA 2.5	£149.99
BARS AND PIPES PRO V2	£229.99
CROSS DOS V5	£34.99
DAY by DAY	£24.99
DELUXE PAINT 4AGA	£64.99
DELUXE MUSIC 2	£64.99
DEVPAC 3	£57.99
DIRECTORY OPUS V4 ONLY	£48.99
DISTANT SUNS V4.2	£49.99 E
DCLIPS 1 OR 2	£49.99
EDITMATE	£189.99
FINAL COPY 2 r2 NEW VERSION	£67.99
FINAL WRITER	£99.99
FUN SCHOOL 3 RANGE	£14.99 E
FUN SCHOOL 4 RANGE	£17.99 E
GIGAMEM	£54.99
GB ROUTE PLUS	£35.99
GOLD DISK OFFICE 3	£44.99
HYPERCACHE	£37.99
HISPEED PASCAL	£72.99
HISOFT BASIC	£49.99
IMAGEMASTER RT	£199.99
KID'S PIX	£19.99
LATTICE/SAS C V 6.1+	£279.99
MAKEPATH FOR VISTA	£29.99
MAILSHOT PLUS	£39.99
MAXIPLAN V4	£25.99
MERLINS MATHS	£17.99 E
MEDIA POINT	£299.99
MICRO RANGE	£17.99 E
MINI OFFICE BARGAIN	£38.99
MONEY MATTERS	£49.99
MUSIC X 1.1	£24.99
NODDY'S PLAYTIME	£17.99 E
NODDY'S BIG ADVENTURE	£17.99 E
PAGESETTER 3	£41.99
PAINT n CREATE	£17.99 E
PAGESTREAM 2.22	£69.99
PENPAL STILL ONLY	£35.99
PLAYMATION	£289.99
PROFESSIONAL DRAW 3	EPOA
PROFESSIONAL PAGE 4	£99.99
QUARTERBACK 6	£59.99
QUARTERBACK TOOLS DELUXE	£59.99
REAL 3D PROFESSIONAL V2	£349.99
SPELLING FAIR	£17.99 E
SUPERBASE PERSONAL 4	£119.99
SUPERBASE PROFESSIONAL 4	£239.99
SUPERJAM 1.1+	£89.99
SYSTEM 3E	£59.99
TECHNOSOUND TURBO 2	£39.99
TERRAFORM	£26.99
THE PUBLISHER	£24.99
TURBOPRINT PRO V2	£34.99
UPPER HARD DISK TOOLS	£19.99
VIDEO DIRECTOR	£109.99
VISTA PRO 3	£57.99
WORDWORTH 3 AGA	£79.99
BARGAIN BASEMENT ALSO EVEN MORE	
BLITZ BASIC 1	£9.99
BRILLIANCE	£119.99
CALLIGARI	EPOA
EXPERT 4D JNR	£14.99
INTROCAD PLUS	£19.99
KINDWORDS 3	£19.99
MORPH PLUS	£89.99
MUSIC LIBRARIAN	£19.99
PERSONAL PAINT	£14.99
SCENERY ANIMATOR	£49.99
SYNTHIA PRO	£19.99
SCALA MM210	£124.99
TEKNO AMIGA ELECTRONIC KIT	£29.99

COMPUTER MUSIC DEPT

MIDI INTERFACE £22.99
UNIQUE 5 PORT DESIGN COMPATIBLE WITH ALL AMIGA MIDI SOFTWARE
Midi leads 1.2m -£1.99 3m - £2.99

SUPERFI 2 STEREO SYSTEM
HI FI QUALITY £54.99
20WATTS BASS, TREBLE & VOLUME CONTROLS

HARD DRIVE 1200s AT LOW PRICES

FROM THE UKs No. 1 AMIGA HARD DRIVE SPECIALISTS

A1200 NO HD	ONLY £289.99
A1200+40MEG	ONLY £399.99
A1200+64MEG	ONLY £439.99
A1200+80MEG	ONLY £454.99
A1200+170MEG	ONLY £499.99
A1200+212MEG	ONLY £514.99
A1200+250MEG	ONLY £539.99
A1200+340MEG	ONLY £579.99
A1200+420MEG	ONLY £619.99
A1200+540MEG	ONLY £699.99

OPTIONAL 2ND YEAR WARRANTY £27.99
ALL PRICES INCLUDE 12 MONTHS WARRANTY covering computer & drive. FREE COLLECTION/DELIVERY in the event of breakdown.

PRICES SHOWN ABOVE INCLUDE THE RACE n NEW CHASE PACK ADD £50 FOR
COMPUTER COMBAT & INNOVATIONS PACK
Includes:- WORDWORTH 2 PRINT MANAGER DAY BY DAY PERSONAL PAINT 4 TOTAL CARNAGE BRIAN THE LION & BOOL 2

FREE with All HARD DRIVES & HARD DRIVE AMIGAS OVER 200MEG*
HARD DISK TOOLS WORTH £19.99
Rated 88% in March '93 Amiga Format. Similar to Quarterback Tools Deluxe, but better. Complete with manual. *£15.99 with drives under 200meg; or available separately for £19.99

CHAOS PLUS PACK £19.99
CHAOS ENGINE
SYNDICATE
PINBALL FANTASIES
NICK FALDOS CHAMPIONSHIP GOLF
QUALITY JOYSTICK
MOUSE MAT
DUST COVER
+ FREE EXTRA GAME (our choice)
+ FREE EXTRA DRIVE ONLY £19.99 WITH ANY HARD DRIVE AMIGA. Standard Chaos Pk AVAILABLE SEPARATELY FOR £29.99
LIMITED STOCKS A1200 / 4000 ONLY

AMIGA 4000

A4000 030EC

	2MEG	4MEG	6MEG
80M HD*	£979	£1079	£1129
130M HD	£999	£1099	£1149
170M HD*	£1029	£1129	£1179
212M HD*	£1049	£1149	£1199
250M HD*	£1069	£1169	£1219
340M HD*	£1099	£1199	£1249
420M HD*	£1149	£1249	£1299
540M HD*	£1249	£1349	£1399

PRICES INCLUDE FREE DELUXE PAINT 4 & WORDWORTH V2

4000 040LC/6MEG
(170 TO 540M HD VERSIONS ONLY)
ADD £450 TO ABOVE 030 6MEG PRICES
GVP SCSI INTERFACE £119.99

ADD PC COMPATIBILITY TO YOUR 2000,3000 OR 4000
VORTEX 486 25Mhz PC CARD ... £499.99
VORTEX 486 50Mhz PC CARD ... £649.99
BOTH PC CARDS HAVE 2.5MEG RAM
SVGA CARD for above from ... £49.99
GG PIO CONTROLLER CHIP £29.99
MONITOR MASTER enables VGA monitor to display PC & Amiga output. . £109.99

PRINTERS

PRICES DOWN

CITIZEN PRICES DOWN

CITIZEN SWIFT 90 MONO	£149.99
CITIZEN SWIFT 90 COLOUR	£159.99
CITIZEN SWIFT 240 MONO	£204.99
CITIZEN SWIFT 240 COLOUR	£229.99
CITIZEN SWIFT 200 MONO	£179.99
CITIZEN SWIFT 200 COLOUR	£194.99
PROJET II - NEW MODEL	£239.99
PROJET II COLOUR	£299.99

HP DESKJET DEALER

DESKJET 550 C	£489.99
DESKJET 310 MONO	£234.99
DESKJET 310 COLOUR	£274.99
310 SHEET FEEDER	£49.99

CANON DEALER

CANON BJ10SX	£195.99
CANON BJC600	£559.99
BJ10 AUTO SHEET FEEDER	£49.99

MONITORS

MICROVITEC 1438
NEW 14" HI-RES COLOUR MONITOR
14" ANTIGLARE SCREEN,
0.28mm DOT PITCH
DESIGNED ESPECIALLY FOR THE AMIGA
SWIVEL/TILT BASE,
PRESET AUTO PICTURE SIZE;
TRUE MULTISYNC - WORKS WITH ALL AMIGAS IN ALL MODES.+ PCs (SVGA)
only £289.99 inc leads
OPTIONAL STEREO SYSTEM £19.99

SHARP TV MONITOR
14" SCREEN; FULL REMOTE CONTROL; RGB SCART SOCKET inc Amiga lead.
ONLY £164.99

32BIT RAM CARDS

0MEG	£69.99
1MEG	£94.00
2MEG	£129.99
4MEG	£194.99
8MEG	£389.99

BATTERY BACKED ON-BOARD CLOCK & FPU SOCKET

Made by Amitek
WITH OPTIONAL 68882 FPU.

20MHZ FPU ADD	£49.00
25MHZ FPU ADD	£59.00
33MHZ FPU ADD	£69.00
40MHZ FPU ADD	£99.00

A1200 ACCELERATORS

NEW GVP A1230-2 40MHz
With 68882 socket for FPU. Has two 32bit simms skts & expansion connector.

WITH no fpu & 0meg	£299.99
WITH 4MEG no FPU	£439.99
WITH 4MEG & 40MHz 68882	£539.99

NEW GVP A1230-2 50MHz

50MHz WITH no fpu & 0meg	£364.99
50MHz WITH 4MEG no FPU	£539.99
SCSI MODULE	£74.99

VIDEO DEPT

GVP GENLOCK £289.99
MINIGENLOCK PRO £144.99

PRO VIDEO PROCESSOR
ONLY £149.99
A stand alone TWO input audio & VIDEO MIXER (with SVHS in/out). Has crossfade, fade to black, overlay; wipes, tint & 2 mic + stereo line inputs. AMAZING VALUE

VIDI 12	£ 78.99
VIDI 12RT	£179.99
VIDI 24RT	£249.99
GVP IV 24 from	£989.99
GVP EGS SPECTRUM FROM	£339.99
EPSON GT6500 COLOUR SCANNER	£689.99
EPSON GT8000 COLOUR SCANNER	£1189.99
ADSG SOFWARE with scanner ..	£98.99
HAND SCANNER 64GREY 400DPI .	£109.99

AMIGA 500 HARD DRIVES & UPGRADES

GVP SERIES II HD8+ 42 Meg	for A500 - PRICE DOWN -	£191.99	
GVP SERIES II HD8+ 170meg	for A500 SPECIAL OFFER	£349.99	
GVP SERIES II HD8+ 340meg	for A500 SPECIAL OFFER	£469.99	
GVP SERIES II HC8	for A1500/2000/4000 - NO DRIVE	£119.99	
GVP SERIES II HC8 + 42meg	for A1500/2000	£191.99	
GVP SERIES II HC8 + 170meg	SPECIAL OFFER	£349.99	
GVP SERIES II HC8 + 340meg	SPECIAL OFFER	£469.99	

A590 & GVP SCSI DRIVE UPGRADES EASY TO FIT.
170MEG £229.99
340MEG £319.99
420MEG £429.99
Suitable for GVP HD8/HC8/A530 & CBM A590

VORTEX AT ONCE CLASSIC 286 PC EMULATOR FOR A500 ETC £49.99
GVP PC286 PC EMULATOR CARD FOR SERIES II HARD DRIVES £99.99

BACKUP UTILITIES

X COPY PRO	£25.99
Inc MK2 Cyclone adaptor.	
MK 1 CYCLONE ADAPTOR	£9.99
QUARTERBACK V6	£59.99

NB. Making backups without the permission of the copyright holder is illegal.

DIY HARD DRIVE KIT

AMIGA 600/1200
XDS 3.5" HARD DRIVE HOUSING KIT

* COLOUR MATCHED ALLOY CASE
* TAKES 3.5" IDE DRIVES
* IDE ADAPTOR & 2.5" CABLE inc power connector.
* NO INSTALL / PREP DISK
* EXTERNAL PSU SOCKET

NOW ONLY £59.99

2.5" TO 2.5" IDE CABLE	£9.99
3.5" TO 2.5" ADAPTOR & CABLE	£21.99

BOOKS & VIDEOS

MASTERING AMIGA AREXX	£21.95
MASTERING AMIGA DOS 2 VOL 1	£21.95
MASTERING AMIGA DOS 2 VOL 2	£19.95
MASTERING WORKBENCH	£19.95
MASTERING AMIGA DOS 3 VOL 1	£21.95
MASTERING AMIGA DOS 3 VOL 2	£21.95
MASTERING AMIGA C	£19.95
MASTERING AMIGA PRINTERS	£19.95
MASTERING AMIGA ASSEMBLER	£24.95
MASTERING AMIGA SYSTEM	£29.95
MASTERING AMIGA AMOS	£19.95
A600 INSIDER GUIDE	£14.95
A1200 INSIDER GUIDE	£14.95
A1200 THE NEXT STEPS	£14.95
ASSEMBLER INSIDER GUIDE	£14.95

VIDEOS

DELUXE PAINT 4 VIDEO	£12.99
ADVANCED DELUXE PAINT 4	£12.99

BEGINNERS PACK
Comprises A1200 Insider guide, A1200 Next Steps; Tutorial Video & useful software. GREAT VALUE AT ... £39.99

SPARES & MISC

TV MODULATOR (exchange)	£19.99
L520 TV MODULATOR - NEW	£29.99
PARNET CABLE 2M LONG	£19.99
KICKSTART 1.3 ROM	£29.99
KICKSTART 2.04 ROM	£29.99
8520A I/O CHIP	£15.99
A500 INTERNAL DRIVE	£59.99
GVP GENUINE PSU	£69.95
A1200 INTERNAL CLOCK MODULE	£15.99

3.5" AMITEK DRIVE

ONLY £54.99
ANTI VIRUS, ANTI CLICK, DISABLE SWITCH, THRU PORT, STEEL CASE, FOR ALL AMIGAS. 2YR WARRANTY.

MISCELLANEOUS ITEMS

AMIGA PRINTER PORT EXPANDERS FREE CABLE WORTH £10.99
2way - £24.99 inc cable
3way - £27.99 inc cable
4way - £29.99 inc cable
For connecting upto 3 devices to your computers PRINTER PORT. Switch to computer lead incuded:- State 'LONG' for printers; or Short for Digitiser, scanner & samplers.

SEAL N TYPE KEYBOARD SKINS £12.99
KEEPS OUT DUST & LIQUIDS.
Fit snugly over your keyboard - moulded to fit over each key, but flexible enough to type through unhindered. Available for all AMIGAs - please state which.

MONITOR LEADS
CD 32 RANGE available - please enquire.
AL1 - MOST TVs WITH SCART SOCKET TO ALL AMIGAS inc audio lead .. £13.99
AL6 AMSTRAD CPC 464 MONITOR £13.99
AL6B AMSTRAD STEREO MONITOR £14.99
AL7P CM883/1084S MONITOR TO ALL AMIGAS. inc sound lead £14.99
AL11 9PIN MALE MULTISYNCS LEAD TO ALL AMIGAS £12.99
AL12 15PIN FEMALE 3ROW Many multisync monitors £14.99
AL13 15PIN MALE 3ROW Many multisync monitors £14.99
PRODUCTIVITY LEAD FOR MULTISYNC MONITORS 9 or 15 plug or skt £19.99
MODULATOR EXTENSION LEAD - Reduces modulator overhang £10.99
MONITOR SWIVEL - HEAVY DUTY £12.99
A1200 WORKSTATION £39.99
A600 WORKSTATION £39.99

MICE & JOYSTICKS

BEETLE MOUSE	£15.99
LEGEND BALL	£29.99
EKLIPSE MOUSE	£14.99
MEGA MOUSE 2	£12.99
MEGA MOUSE 400DPI	£14.99
LOGIPAD CONTROLLER	£16.99
STARFIGHTER CONTROLLER	£8.99
PYTHON JOYSTICK	£8.99
TOPSTAR JOYSTICK	£14.99
ZIPSTICK AUTOFIRE	£12.99
PRO ANALOGUE JOYSTICK	£19.99
CD32 CONTROL PADS	£14.99
MOUSE JOYSTICK SWITCH	£9.99

MAIL ORDER. Please phone before calling to confirm price & availability.
(C) TRILOGIC 1994 All rights reserved.
OPEN:
MON-FRI 8-6pm,
SAT 8-4.30
SUN 10-3pm



CALLERS WELCOME

PRICES WERE CORRECT AS OF 23-3-94, but some may have changed by the time you read this. All registered Trademarks are acknowledged. Callers are most welcome but please phone first to check availability & avoid disappointment - we try to keep most items in stock unlike some of our competitors and will gladly put items aside for you to collect, but shortages of some items do occur from time to time. 2% surcharge applies to some items paid by Credit card - does NOT APPLY to debit cards - ie SWITCH/DELTA/CONNECT AND cash/cheq. 4% SURCHARGE ON ALL AMEX CARD SALES

A WORD FROM THE ED



THESE LAST FOUR years have been four of the best. Because for every day of these past 1,500 or so, I've had the pleasure to work for *Amiga Format*. First as art assistant, then later as art editor, and for the past 16 months, as editor. But now I'm 'on me bike', 'away on me toes', or however you might like to put it.

It's a sad time. I shall miss you, and your letters most of all. But I won't be divorcing myself from the Amiga community altogether. I'll still be poking my nose in at shows, taking the mickey out of the *AF* guys when they get up to do those 'meet the team' sessions. And just like *Amiga Format* itself, I'll still be doing my best to produce quality product for Amiga users everywhere.

I'm going to work for Team 17! So impressed have I been with their attitude when I've interviewed them about piracy, or the price of games, as I did recently. I will be working on a special project up there, and I hope to give Amiga CD users something to shout about soon.

However, here at *Amiga Format* very little will change. OK, so it won't be my ugly mug staring at you from that box up there. But the commitment to the Amiga will continue. As will the determination to bring you the latest news, the best reviews and the most interesting articles.

I'm quite looking forward to becoming a reader again.

Letters

For one last time, Marcus Dyson picks up your sack of letters and his blunted Swiss Army Knife, and disappears into the back room to contemplate on your thoughts and opinions. Keep 'em coming, send your missives to: Letters to the new Editor, Amiga Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

IS THAT A FRACT

Having bought *Amiga Format* 57 as soon as it arrived through the newsagents door (6.58am). I noticed that the background of the *Ami-Back* disk label had been designed by your previous month's Coverdisk, *FractalPro*.

Gavin Holder, Jarrow

You are wrong. Sorry, but that's the way it is. The Ami-Back *Coverdisk label was produced on an Apple fractal generator called* Kai's Power Tools.

CORRECTION CLUB

In your March issue you printed extracts from a letter of mine, in which I stated that the computer club I belong to had a piracy problem.

Ironically, in the time between the letter being written and it being published, the pub landlord began a crusade against piracy. The result being that they were asked to take their trade elsewhere, and *X-Copy* became a stranger to our monitors. That's the good news.

Unfortunately, the subsequent appearance of my letter was seen by the honest members of the club as a gross and inaccurate misrepresentation of the club, its members and the landlord who ousted the pirates. I'd just like to apologise for any embarassment I may have caused him, and for any insult other members may feel I have caused them.

David Green, Rotherham

Thanks for updating us on that one,David. And congratulations to your computer club, and to your landlord who had the good sense to kick out the pirates before they gave you all a bad reputation.

JEFF-HEAD

What the smeg is Jeff Walker going on about? Correct me if I'm wrong, but I can't remember *Amiga Format* ever giving away an application that had not been disabled in some way or was not available in the Public Domain.

To be honest, I think Jeff is a few pence short of a pound, and should be put down.

Max Rockastansky, Surrey

PS. I like the straight-jacket he is wearing in his photograph.

I do love it when you folks beg to be corrected 'if you're wrong' before spouting some of the most inaccurate drivel ever to see print. Max, you are either wrong, or have a memory that would make a fish seem uncannily recollective.

Amiga Format *has a long history of featuring full packages on Coverdisks, very few of which have been disabled in any way.*

EDUCATING AMIGAS

When are Commodore going to realise that they are losing quite a large market in the country's University students. Most students these days use computers at home for word processing, and nothing else. Knowing little about what is available, they ask advice from lecturers who only seem to know of the PC.

I'm sharing a house with three secondhand PC owners (two 486s and a 386). The owners feel pretty ripped-off after being introduced to the Amiga. A Desktop Dynamite pack would have been much cheaper and let's face it, *Wordworth 2* is much better than *WordPerfect*.

If Commodore would place adverts or information in Fresher packs, a lot more students would buy an Amiga.

Name Illegible, Heely, Sheffield

We're sure you're right. Maybe this is one more red hot marketing opportunity for Commodore to overlook.

A HOST OF AMIGAS

PRIZE

Dear Ed (though I believe this is not your real name),

I know that you give out prizes to people who spot Amigas on the telly. (*No, we bloody do not. We stopped years ago and you lot are still sending me 30 letters a week telling me that you've seen an Amiga on* Neighbours. *Stop, give up, desist. We are now looking for Amigas in Feature Films – distraught ed.*) On last Saturday's *Match of the Day* I saw 11 of them. Amiga was emblazoned across the shirts of the Chelsea team...

Ian Phillips, Hulme

Please don't go on, I know when I'm beaten. Despite the 'Spot an Amiga on the Box' compo having finished many (many) months ago, I'm going to concede in this case and let you have a prize.

Continued overleaf ☛

The Gallery

Sponsored by MAX Graphics LIMITED

Got a picture you're proud of? Send it in, see it in print and win an *Amiga Format* binder! Since Letters is where you get to contribute your words, we thought it would be the perfect place to see your pictures on display too.

The best image each month, the one on this page, will win a huge poster printout, courtesy of Max Graphics of Cardiff – worth a massive £80. Send your entries on a floppy disk to The Gallery, *Amiga Format*, 30 Monmouth Street, Bath BA1 2BW.

If you need your artwork printed out, give Max Graphics a call on 0222 522332, or write to them at 168 North Rd, Cardiff, CF4 3BJ.

They offer a full range of Amiga output services, including their Colossal Colour system which can print images right up to poster size.



Madonna and Rosanna
by Richard Wiley of Tottenham

SHORT AND CURLEYS!

You wanted some new ideas for Coverdisks? How about this – an index to find all those reviews, hints and serious articles? It's a real pain...

Vicky Oldfield, Ilkley

I used to go abseiling at the Cow and Calf at Ikley, you know. Oh, and the index you asked for is on disk A on this month's cover.

What's all this about computers then?

Yours in good faith,
Charles Murray

Now that's a tough one.

Ever since buying my A1200 I've been trying to get hold of a copy of *Sentinel*. Can any of your readers help?

Simon Booth
78 Hastings way,
Billingham TS23 3ED

I don't know, but I'm sure that if they can, they will!

I have just purchased an A1200. Unfortunately I don't have a dust cover for it. Why do you only sell covers for the A500 and A600. Will this be redressed in the near future?

Mr C Miller, West Drayton

When we invented our dust covers the A1200 was just a twinkle in Lew Eggebrecht's eye. But the A500 and A600 ones were so unpopular with the readers, I'm afraid we're unlikely to ever do an A1200 one. Try some of our mail order advertisers.

Where has *AmigaBASIC* gone? Where can I get it from? Would it be better to spend more money and get *Blitz Basic 2*?

Richard Fitzpatrick, Hilderstone

AmigaBASIC *is no longer bundled with the Amiga, though some would say this is no great loss.* AmigaBASIC *was fine for 1985, but nowadays, it leaves a considerable amount to be desired.*

You would definitely be better off saving up and getting Blitz Basic 2, which (coincidentally) is available from our very own mail order pages for the bargain price of just £50.

I happened to glance through some old *Zzap* issues, and came upon a discussion about software prices. People were complaining that games cost £10. They said £6 is more like it.

Same old story.

Eyal Teler,
teler@cs.huji.ac.il

Some things will never change. I remember when you could get two pints of beer for a quid, and have enough money for the bus fare home. And a bag of chips.

Can you tell me if *NBA Jam* or anything similar will be coming out for the Amiga?

If not, why not?

Jamie Andrews, Plymouth

NBA Jam *is not planned for Amiga release. But as slam dunking is the latest trend on the consoles, you can bet that someone somewhere is working on a basketball game for the Amiga.*

Are there no specialist Amiga centres in Scotland?

James Bryce,
Clackmannanshire

There is certainly one Amiga Centre of note north of the border, though you might not be aware of them because they only advertise in the cheap Amiga magazines. Try calling the Amiga Centre Scotland on 0896 87583.

Does anyone out there know whether a game called *Little Computer People* has been rewritten for the Amiga?

I have three children who all loved it on the C64, and fought to see who would feed the little man, and so on.

I now have an A500+ and would love to get hold of a copy of this game.

GH Griffiths,
17a Swakeleys Rd,
Ickenham UB10 8DF

A rather smashing Amiga Format *T-shirt is on its way to you now. They say one size fits all, but they don't fit me.*

If any more readers write in to tell us about the posisitively daily occurrence of an Amiga appearing on TV, we'll go round to their house (as long as there's an address, but if there isn't they're not going to get a prize anyway, are they?) and rip their eyeballs out and play marbles with them.

THAT'S A GOOD IDEA... NOT!

I am writing to suggest a way of stopping piracy. My idea is that if companies stop producing blank disks, people wouldn't be able to copy games and programs. I know what you're thinking (*I hope not, I have the sincere belief that my thought processes are way beyond the comprehension of anyone who espouses ideas like that – ed*) some people and big companies need blank disks to back up their work. So if you can only make disks for the big companies and programmers, it will stop piracy.

On another subject, in the *Amiga Format 1994 Buyers Guide*, on page three, left of the number 501 there is a pirated game (or what I think is a pirated game). Surely you don't encourage piracy?

Ian Wilson, Oban

What a good idea, let's ban floppy disks. Then all the people who send pictures in to the Gallery can draw them on a piece of paper, using wax crayons, and we can scan them in here at the Amiga Format *offices. As for your 'pirate' game, that is a PD disk, we have thousands of them lying around the* AF *offices. But after your ban all floppies plan is put into action, demo coders would just have to phone us up and explain what their new demos looked like.*

When someone sends in a particularly intelligent or entertaining letter, we send them a prize. The way I see it, you owe us!

BENDER

Hi, my name is Ben Turland, my friends call me bent. Ben T by name, bent by nature (I still don't get it). That's enough about me, let's talk about computers and things.

Why do you bother with Coverdisks? I mean they're crap, aren't they? Instead of putting demos on the disks, why don't you put the latest games releases on them? I think this is a good idea as it would stamp out piracy altogether and save me money on overpriced games.

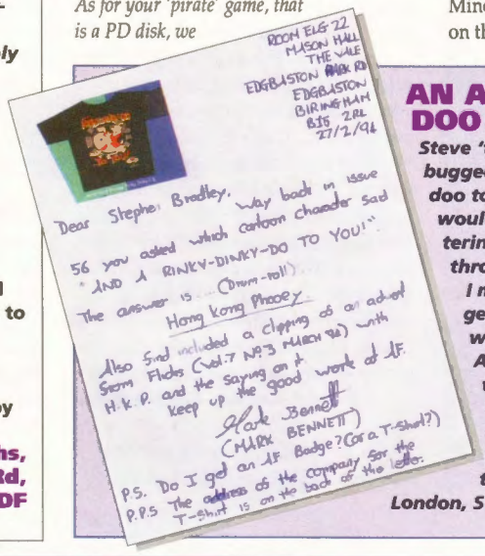
I have a few questions, could you please answer them sensibly, don't just ignore them if you think that the answers are easy, because I don't.

1) I can't get past level one on *Sonic the Hedgehog*. Can you please help me.

2) Why don't you put a mountain bike section and a porno section in your magazine? I can't afford to buy these magazines and *Amiga Format*, and I am sure lots of other people can't either.

3) I can't fit the Coverdisks into my computer slot, they're too small.

4) Why are all the pictures of computers in your magazine different to mine? Mine is small and black and says 16-bit on the top.



AN A RINKY DINKY DOO TO YOU TOO!

Steve 'the boy' Bradley had been bugged by who said "A rinky dinky doo to you" for some time. He would pace the office floor muttering "Who was it? Who said it?" through tightly clenched teeth. I must admit that I had suggested it was old HKF, but not with much confidence. Anyway, an AF T-shirt is on its way to you, Mark. Any readers who want a Hong Kong Fuey T (the essential 1994 Summer fashion item) write to: Network Ltd, PO Box 10, London, SW19 3TU or call 081-510 5545.



King Tiger by Colin Hemmings of Sittingbourne



Tiger by Peter Snook of Barry



Jaguar by Martin Edwards of Llantwit Major

5) Where do I get a keyboard from?
6) My mate told me that if I subscribe you will give me a CD copier thing. Is this true?
7) My mate also told me that if I buy a 24-bit card, a colour laser printer and a 24-bit flat bed scanner, I could make my money back in days by scanning £50 notes, printing them and laundering them down the bank. Is this true?

Ben T, Cheltenham

No!

PACK IT IN

As subscribers to *Amiga Format*, my sister and I are finding it inconvenient to have to decompress the Coverdisks in order to use them, because I do not possess many blank disks. I hope in future that you will discontinue to do this for the convenience of other readers.

David Bell, Colwyn Bay

My first suggestion would be that you buy a few blank disks; they only cost about 40p each. I'm sure most people don't mind the 'inconvenience' of having to unpack the Coverdisks, when it means that we can get far more executable code on the disks every month. In fact, yours is the only letter of complaint we've ever had on this subject.

If any other readers would rather have the standard 880K of code on a disk rather than a value-packed disk stuffed to the gills with game demos, utilities and full programs, please let us know.

SELECT 50,000

In a recent issue of your magazine you mentioned that you will be bringing out a magazine for the Amiga CD32. Will you be aiming your magazine just at the CD32, or will you include those of us who own an A570 CD-ROM drive or CDTV?

I own an A570 CD-ROM and have no intention of buying a CD32, since most of my disks will not work with it. I would be grateful if you could let me know if this magazine will cater for all CD drive owners, or just the select few with CD32 machines.

P Budd, Stanford-le-Hope

We thought long and hard about this when we decided to launch Amiga CD32 Magazine. *As Amiga enthusiasts we wanted to include the A570 and CDTV too, but as publishing realists, we had to conclude that this was in no-one's interests. The 'select few' as you describe them, are not so few at all. CD32 owners outnumber CDTV/A570 owners by a considerable margin. So most of the magazine would have had to be devoted to them, as would the disk.*

As it is we could not fit all the CD32 stuff on the CD that we wanted to, so we would have had very little space for CDTV/A570-compatible software on there. Add to this the fact that there are very few new releases for CDTV coming out now, and you would have had a magazine aimed largely at CD32, but with some CDTV coverage. Everyone would resent the presence of the other format, and no one would be truly happy.

Amiga Format *cannot give full coverage to CD32. There are hundreds of new games in development for this machine, so we thought it was best to give them a mag of their own. CDTV/A570 owners, however, can use most Amiga programs and products, so we feel that* Amiga Format *is the logical choice for them to read.*

FLOPPING DISKS

I have had trouble with my floppies for some time now, but my doctor recommends loose underwear and avoiding strenuous exercise.

When I pointed out that it involved a kickstart he offered me the choice of Honda or Vespa, or with Vaseline and some assistance, a 1949 Morris Eight starting handle.

I must go now, the warden says it's time for my pill.

N Bonaparte, Ixworth

Floppy disks can be a problem, it may be best to pay heed to your doc's advice. You may find the Morris starting handle gives the best results. Please try to avoid conquering continental Europe.

SURVEY TEASER

OK, there's no doubt that you have the best Amiga magazine available, but did you really think that the offer of a T-shirt, a badge and a binder would provide an incentive for your readership to return their survey questionnaire?

Don't get me wrong, it's not that I think the offer stinks, far from it – it's just the fact that out of 50 well thought out questions, none of them were:

Continued overleaf ☛



Castle Rock by Anthony Bradbury of Liverpool

THE MAN AT THE TOP

As well as running Commodore UK, David Pleasance also wishes to keep you Amiga owners informed about what's going on. Send your questions to him at the usual Amiga Format address, and await the answers in this very column...



Can Commodore keep up?

1) Do Commodore (like Nintendo, Sega, Sony, and even Atari) realise the importance of good software? If so, why are there only 15 games on CD32 and all except *Liberation*, ports from the A500? CD32 could end up like the Mega CD – same games, higher price.
2) Are Commodore helping developers to release decent software?
3) When will Commodore improve their marketing, including shop displays? Very few shops even switch on their Amigas.
4) Do Commodore realise that an A1200 CD drive is essential for the Amiga's survival and the mass market success of CD32?
5) Do Commodore feel the CD32 must succeed in America for a long term future? With some decent software, help from retailers and a bit of clever marketing, it could do well.
6) Do Commodore agree that the next low-end Amiga must be as forward-think as the original A500 for a long-term future? Many of CBM's plans are already incorporated into machines like the Jaguar.

No name or address given

1) Absolutely; you only have to look at the quality of our bundles over the years to realise this. To date, there are 65 CD32 games released, with 30 more scheduled by the end of May. Very few are A500 ports; most are AGA specific with impressive intros, CD digital sound and additional levels. There is a fundamental difference between the Mega CD scenario and that of CD32 – you have to own a Mega Drive before you buy a Mega CD, and it is still only 16-bit.
2) Yes – currently over 200 titles under development.
3) I would be happy if we could control the way retail outlets display our products. We invested very heavily from September to January, in a team of merchandisers who made 6,500 retail visits. They supplied posters, brochures, window stickers, demo CDs, demo floppy disks, and so on. And whenever possible they influenced the position of our products in the shop ensuring they were clean and running demos. We also train sales staff on a regular basis, but unfortunately retail is a very transient profession.
4) Although I believe the A1200 CD drive is a desirable product for A1200 owners, I do not believe it is as credible without the ability to play Full Motion Video. This may not seem important today, but as soon as the first truly interactive FMV games appear, we will have an army of disgruntled owners. Either way, Commodore will inevitably be critcised. I am intrigued to know on what grounds you believe this drive is critical to the mass market success of CD32.
5) It is not essential to be successful in the US – 90 per cent of our business is in Europe – but it would, of course, enable Commodore to grow for the first time in a long while. I was vice president of retail sales in the USA during 1992 and have first hand experience of the market – I agree, it can and will do well.
6) The Jaguar boasts some nice features. However, we believe that any new system which is based on cartridge software is a retrograde step. We have an enviable reputation for innovation and have no intention of spoiling our record in this respect.

How to contact AMIGA FORMAT

The best way to get an answer from Amiga Format is to make sure you're addressing your letter to the right person (or indeed, department) in the first place...

- **We get literally hundreds of letters and faxes a day, so if we were to try to answer them all personally we would never have any time to actually write *Amiga Format*. So we're sorry, but we can't reply in person.**
- **We are available for enquiries by telephone every Tuesday between 10.30am and 6pm, but please be patient because the lines do get rather busy.**
- **Our advertising department can help with problems concerning companies who advertise in the magazine if you phone during normal office hours.**
- **Our subscriptions service and the *Amiga Format* Mail Order department are not in the same building as the magazine itself. Both can be contacted on 0225 822511.**

Work BENCH

If you have any problems with the technical side of your Amiga, with hardware or with serious software, Nick Veitch will try to answer you in the mag. Or, if you have any advice for others or any handy tips to share, send them in and you could win a prize.
WORKBENCH, *AMIGA FORMAT*, 30 MONMOUTH STREET, BATH BA1 2BW.

Game BUSTERS

If you've just found the cheat mode, mapped out the levels, or found all the passwords for the latest game, send the info to Rob Mead and you could win a prize. Or, if you're stuck, ask Helping Hand for advice – or solve someone else's problem and win a prize!
ROB MEAD, GAMEBUSTERS, *AMIGA FORMAT*,
30 MONMOUTH STREET, BATH BA1 2BW.

Readers' LETTERS

The Letters pages are there for you to air your views and share your opinions; please remember not to ask questions that should be in Workbench! Marcus is looking for thought-provoking or entertaining letters, the shorter the better. Prizes are given for the best.
LETTERS TO THE EDITOR, *AMIGA FORMAT*,
30 MONMOUTH STREET, BATH BA1 2BW.

COMPETITIONS

To enter a competition, write the answers and your name, address and phone number on the back of a postcard or a stuck-down envelope and send it in. We have just changed our rules so that each person may enter only once: and, please, do not include entries with letters to any other part of the mag because we'll just lose them.
WHATEVER COMPETITION, *AMIGA FORMAT*,
29 MONMOUTH STREET, BATH BA1 2DL.

Special OFFERS

If you've ordered something from the *Amiga Format* Mail Order section and you've got a problem, then don't write to our Bath address – instead contact our Somerton address or telephone 0225 822511.
***AMIGA FORMAT* MAIL ORDER, FUTURE PUBLISHING,**
FREEPOST (BS4900), SOMERTON, SOMERSET TA11 6BR.

SUBSCRIPTIONS

If you move house and want to make sure your copy of the magazine catches up with you, or if you have any other subscription enquiry then write to:
***AMIGA FORMAT* SUBSCRIPTIONS, FUTURE PUBLISHING,**
FREEPOST (BS4900), SOMERTON, SOMERSET TA11 6BR.

Faulty COVERDISKS

The disks are duplicated and stuck on the magazine by a separate firm which we employ. If you have a faulty disk, DON'T return it to us: send it, enclosing an SAE, to: DISCOPY LABS, UNITS 2 & 3, OMEGA TECHNICAL CENTRE, DRAYTON FIELDS, DAVENTRY, NORTHANTS NN11 5RT.

"What is your name? What is your address? or What size of T-shirt would you like?" If this was a deliberate mistake, and next month's Coverdisk has a program that takes the answers to these 50 questions and then tells you your name, address and T-shirt size, please accept my apologies. If not, please send my prizes to the address overleaf.

Nigel Frayling-Kelly, Bo'ness

Some readers may be a little puzzled by this letter. For the 130,000 of you who are... last month we included 20,000 reader survey forms in the pages of Amiga Format. *We also offered 10 lucky respondents a T-shirt, binder and pin badge. But we didn't put a place on the form for a name and address.*

The simple reason for this is that one question was 'What is your income?'. We felt that having divulged this information, many readers would not want that sheet to carry their name and address. We also attributed enough intelligence to Amiga Format *readers that if they wanted a chance at the badge/T-shirt/binder offer they could include their name and address on a separate piece of paper. Many did.*

Here are the winners... Anonymous of Yardley Wood, Birmingham; Ian Maddox of Swansea; Michael Carter of Georgeham; Neil Armes of Sedgfield; Philip Hall of Ipswich; S J Axford of Bude; D E Moss of Feltham; Andy Nash of Bristol; S Woodward of Southampton and Dr John Foley of Kingsteignton.

WANNA BE

I am interested in computer programming as a pastime. However, I am not sure how to begin and have no available disk which would allow me to do so.

I would be grateful if you could supply me with some information, or news on how to start, where can I find these disks, such as *Blitz Basic*, and how much they cost?

Craig Mountford, Blackpool

Programming can be a lot of fun, but it is also a lot of work. So be prepared to try hard, and fail lots before you get results. If you think you can hack that, then Blitz Basic 2 *is as good a place as any to start programming. First, get a copy of* Amiga Format *issue 52, which has a working version of* Blitz *on the Coverdisk. You can order a copy from page 148 of this issue. This version of* Blitz *has most of the features of the full program, but it will not save an executable file. This is not important at first, and if you just want to discover if programming is for you, this is the cheapest way to do so.*

If you take to programming, then you can obtain the complete Blitz Basic 2 *package from our mail order pages (see page152). This will offer you several new and powerful features for* Blitz, *and user support through the* Blitz User Magazine (BUM).

Despite being called Basic, Blitz *is a very powerful language, which offers excellent control of the Amiga's capabilities. Even commercial games such as* Skidmarks *were written using it.*

EITHER OR

I stand before you a confused individual. My problem is this – I am a thoroughly brassed-off Mega Drive owner, fed up with forking out 50-odd quid for what often turns out to be a sub-standard game. Many years ago I bought an Amiga when they first came out, but had to flog it for financial reasons. I remember fondly the hours I spent with *Elite* and *F-19*. So in search of some decent games, I'm keen to renew my acquaintance with all things Commodore.

I'm a huge flight-sim fanatic, and a veteran of the original *Elite* on the BBC Micro (remember them?) so I've been avidly reading reviews and previews of *Frontier* and *TFX*, both of which look the absolute business. It would seem that the only choice is between an A1200 or a CD^{32}. Now here come the questions...

1) Will the SX-1 module allow me to run Amiga 1200 stuff from disk as adverts appear to claim, or is the internal architecture too different?

2) Is David Braben definitely working on a CD^{32} version of *Frontier*?

3) I read somewhere that the CD^{32} has chips that allow it to convert PC graphics on the fly. Can I assume that the CD^{32} version of *TFX* will be graphically identical to the PC?

The technical specs of the CD^{32} seem dead impressive, but why do all the current crop of games appear to be straight ports from the A1200 versions? Is this just idleness on the part of the programmers?

Dave Etheridge, Oakington

1) The SX-1 module will definitely enable you to run virtually all A1200 software on the CD^{32}. The internal architecture of the machines ios virtually identical.

2) Now that he has the development kit, David Braben is definitely working on Frontier *for CD^{32}.*

3) The Akiko chip can convert PC-style chunky graphics to Amiga planar style. But it remains to be seem whether it can do it on the fly. It's just possible that TFX *on the £299 CD^{32} might not look quite a flash as on a £1,200 486-PC. But it could still be the best-looking Amiga flight-sim yet.*

DEEPLY COMPELLED

After reading your February issue concerning the woman from Cleavland Ohio who won your £250 prize to buy software, I felt deeply compelled to write. I just have one question. Who the hell does this broad think she is? I mean, she actually called you and was so vein (sic) to ask you to pay for her college tuition? Talk about having no shame... *(this guy goes on, and on – ed).*

M Ripepi, Surfside FL

Not Cleavland, Oh you prat! Cleveland in northern England. It is common for students to seek sponsorship in the UK. After what the Tories have done to our education system, they have to get the cash somewhere.

NEW SHOP NOW OPEN
at
295 Ditchling Road
BRIGHTON

BUY THE BEST, BUY FROM BCS

Full range of Amiga , PC, Sega, Nintendo Hardware and Software in Stock

Easy Parking Available

Grade A+ Bulk 3·5" DS/DD Disks

25 .....£13·50
50 .....£20·00
100 .....£33·99
200 .....£62·00
500 .....£149·99

FREE DELIVERY

All disks are fully guaranteed and come complete with labels

Grade A+ 3·5" DS/DD Disks + 100 Capacity Lockable Storage Boxes

25 + Box .....£17·50
50 + Box .....£24·00
100 + Box .....£37·99
200 + 2 Boxes .....£70·00
500 + 5 Boxes .....£169·99

FREE DELIVERY

All disks are fully guaranteed and come complete with labels

High Density 3·5" Sony Bulk

25 .....£18·00
50 .....£30·00
100 .....£60·00
200 .....£115·00
500 .....£250·00

FREE DELIVERY

All disks are fully guaranteed and come complete with labels

Printer Ribbons

	Comp	Black Branded	Colour Branded
Citizen 120D/124D/SWIFT 24	2·70	3·40	N/A
Citizen 90/90C/200/200C/240/240C/ABC	2·70	3·40	15·30
Panasonic KXP 1080/1123/1124	3·50	8·50	N/A
Panasonic KXP 2123/2123C (Panasonic 2123 Colour Compatible Ribbon £9·25)	5·35	9·75	17·99
Star LC10/20	2·99	4·47	6·70
Star LC200	4·70	6·11	19·30
Star LC24/200	3·53	5·58	£13·25
Star LC24 10/15	3·53	5·58	N/A

FREE delivery on 2 or more ribbons, otherwise add £1

Inkjet Cartridges & Refills

	Cartridge	Twin Refill pack
HP Deskjet 50c/510/520 (HP51626A) Black Doublelife	£4·99	19·49
HP Deskjet 540C/550C (HP51625A) Colour	£6·99	£9·99
HP Deskjet 500/510/520 (HP5/608A)	N/A	14·99
Canon BJ10e/ex/SX BC-01 (Apple Stylewriter)	15·49	14·99
Canon BJ200/230 BC-02 (Apple Stylewriter II)	15·49	14·99

Free delivery on Cartridges and refills
Different Colour refills are available
CALL FOR DETAILS

Final Quality Paper (50 Sheets) £7·99
Colour Enhancement Paper (50 Sheets) £8·99
Inkjet Transparencies (50 Sheets) £29·99
ADD £2 POSTAGE ON PAPER/TRANSPARENCIES

3·5" Deluxe Lockable Storage Boxes

Qty	50 Cap	80 Cap Banx	100 Cap	200 Cap Draw
1	£4·10 ea	£10·99 ea	£4·50 ea	£11·75ea
2	£4·00 ea	£10·50 ea	£4·30 ea	£11·50 ea
4	£3·90 ea	£10·00 ea	£4·00 ea	£11·00 ea

FREE DELIVERY WHEN ORDERED WITH DISKS

AMITEK EXT DRIVE	£59·99	10 3·5" DS/HD TDK DISKS	£8·99
AMITEK DRIVE (A500/A500+)	£54·99	50 3·5" DS/HD TDK DISKS	£39·99
HAWK 4MB RAM BOARD	£199·99	3·5" 10 CAP BOX	£1·00
2YF1 STEREO SPEAKERS	£39·99	3·5" 150 CAP POSSO BOX	£16·99
2YF1 PRO STEREO SPEAKERS	£59·99	1000 DISK LABELS	£8·99
ZYDEC AMIGA MOUSE	£16·95	1000 T/F DISK LABELS	£10·99
AMIGA MOUSE	£13·99	MOUSE MAT/HOUSE	£2·99ea
CHEETAH BUG J/S	£12·50	3·5 CLEANING KIT	£2·99
PYTHON 1M J/S	£9·50	PARALLEL LEAD	£9·99
ZIPSTICK	£11·50	A500/A600/A1200/PRINTER/ MONITOR DUST COVERS	£3·50ea
RSD WORKSTATION A1200	£47·99		
RSD WORKSTATION A500/A600	£39·99		
10 3·5" DS/DD TDK DISKS	£6·60		
50 3·5" DS/DD TDK DISKS	£29·99		

WORDPROCESSING SOFTWARE

PENPAL £29·99 FINAL COPY II £59·95
FINAL WRITER £99·95 ★ FREE DELIVERY ★

Established now for over 4 years BCS has thousands of satisfied customers throughout the UK.
Come and see our new showroom in Brighton. We also stock Amiga, Atari, PC, Sega & Nintendo hardware and software.
We also operate a Sega game rental scheme.

ORDER HOTLINE: Tel:0273 506269
Fax:0273 551477
Send cheques / postal orders to:
BCS Ltd., 295 Ditchling Road, Brighton, East Sussex BN1 6JH

Shop prices and packs may vary.
Add £4 p&p unless stated. Add £10 next day. All prices include VAT.
All offers subject to availability. E&OE. Cheques will be held for clearance.
Licensed credit brokers for Lombard Tricity Finance Ltd.

SELECTAFONT

THE UKs LARGEST COLLECTION OF FONTS

Over 4000 Fonts now in Stock!

PIC n MIX from over 160 Disks in ADOBE or COMPUGRAPHIC Format. Each Disk contains 12 Fonts and costs between 83 Pence and £3:00

THE UKs MOST INEXPENSIVE FONTS

Each Font Costs Between 7p-25p

ITs BACK!!
WE introduced the PIC n MIX concept to the AMIGA, and now by demand:
THE RETURN OF THE INDIVIDUAL FONT SELECTION SERVICE!
YOU CHOOSE the FONTS.....We make up your DISKS!
Prices for individual Font Selection start from:
YOU CHOOSE... 30p each ...WE SELECT!

BULK BUYERS: 500 FONTS £34.99
Choose from 4 Different Volumes

Technical Helpline for all Customers

BULK BUYERS: 23 CLIPART DISKS £24.99
(ALL Disks have Image Catalogues)

INK-JET/BUBBLEJET SERVICES

Having used Ink-Jets for 3 Years, we feel we are in a unique position to offer a first class service to all of our customers. We only supply PREMIER ink refills for all printers which we GUARANTEE will give a BETTER quality than from your original Cartridge. We also supply a comprehensive range of Ink-Jet/Bubblejet Consumables including: COLOUR KITS/ORIGINAL CARTRIDGES/CLEANING KITS

Single Refills	£6.99	available in Black/Cyan Magneta/Yellow/ Green/Red/Blue
Twin Refills	£12.99	
6 Pack Refills	£24.99	

IFF CLIPART
We only supply Hi-res Clips that we have created ourselves. All disks come with image catalogue

NEWSFLASH!
2000 New Fonts availabe from April 1994

We have the UKs Largest Collection of SCALEABLE CLIPART
(No Jaggies No Hassle!)

For a FREE Comprehensive Printout of all Fonts and Details of our other Services:
PHONE: 0702 202835
or FAX: 0702 200062
or WRITE TO US!
Please include Details of your System set-up and the Software you will be using.

No Silly Info Pack Prices Here!

ACCESS/VISA/BARCLAYCARD MASTERCARD
CREDIT CARDHOTLINE:
0702 202835
SELECTAFONT (DEPT AF),
84 THORPE ROAD, HAWKWELL
Nr HOCKLEY, ESSEX SS5 4JT

AMIGA FORMAT

Diane Clarke
0225 442244

ADVERTISING RATES
£60 + VAT
per Company entry

AMIGA FORMAT MARKET PLACE
Beauford Court
30 Monmouth Street
Bath, Avon
BA1 2BW

Tel: 0225 442244
Fax: 0225 480325

We accept cheques for payment

YOUR CHOICE

ONE OF THE LARGEST PD HOUSES IN BRITAIN
OVER 4500 DISKS
TEL: 061 881 8994

FREE PD SOFTWARE

AMIGA - PC - All Commodore
Call (081) 651 5436 or
Write to: 45 Brookscroft, Linton Glade, Croydon CR0 9NA
Independent Commodore Products User Group

MODEMS

ALL MANUFACTURERS SUPPLIED
FOR THE BEST PRICES
FREEPHONE: 0800 526 376
MJ COMMUNICATIONS

VIDEORAMA Productions

Catering for all AMIGA USERS
Specialist in VIDEO APPLICATION SOFTWARE & HARDWARE
Studio House. 53 Besselsleigh Road
Wootton. Abingdon. Oxon, OX13 6DX
0865 326596

Millom Micros
Public Domain Library

ALL DISKS ONLY £0.90 INC
1000'S OF DISKS IN STOCK
FOR A CATALOGUE DISK SEND 3 1st CLASS STAMPS
FULL RANGE OF AMIGA HARDWARE & SOFTWARE
9 COOK ROAD, MILLOM, CUMBRIA LA18 4JH
PHONE 0229 77 2998 OPEN TO 8PM
Amiga Specialist for Cumbria

The best Clip Art pictures only from Compu-Print

Choose from up to 10,000 different pictures and a 300,000 library of some of the best pictures currently available for LETTERHEADS AND MENU CARDS.
We offer a fast, friendly and reliable service to all our customers, with a 72 hour turn-around service on receipt of payment.
For more information **call or fax on: (0705) 646024.**
Alternatively write to: Compu-Print, 59 Chedworth Crescent, Paulsgrove, Portsmouth PO6 4ES

ARNOLD COMPUTER SUPPLIES

Amiga A1200 **£280**
Blank Disks **£19 per 50 inc. labels**
DSHD Disks **£25 per 50 (Pre-formatted)**
PD LIBRARY NOW OPEN!
Please send £1 or 4 1st class stamps for catalogue
Free local delivery and installation (10 mile radius)
Many more items stocked.
Please phone or fax for latest prices.
Barry Voce 0602 264973
11 Campion Street, Arnold, Nottingham NG5 8GR

COMPUTER WARGAMERS YOU NEED HIDDEN MOVEMENT

The magazine for Computer Wargamers
Issue 11 -Out Now
News & Views -PD Wargame Scenarios - Definitive Reviews - Strategy Hints & Tips - Readers Letters & Articles - Written by wargamers for wargamers - Also Space/Fantasy Conflict games - 3rd Year of Publication.
Send cheque or P.O. for £2.00 for latest issue to Hidden Movement, 360 Windmill Rd, Ealing, London W5 4UR or SAE for further information.

CAN'T KEEP ALL THOSE DPAINT SHORTCUTS IN YOUR HEAD?

Our Amiga template with keyboard commands for DPAINT 4 enscribed on it slips comfortably over the keyboard of any Amiga (Excl A600)
Template: £7 Shipping £3
User group discounts available
A & P SOFTWARE SOLUTIONS
785 Shelborne Drive, Tracy, CA 95376 Tel: 0101 209 833 9282

SPEEDWAY SIMULATIONS

1972-1984 British League
1992 15 heat Divs 1 & 2
1993 18 heat Divs 1 & 2
and the World Championship
Send SAE for details to:
YGS SOFTWARE
59 Ecclesbourne Drive, Buxton SK17 9BS

NEW "GIANT SCREEN" AMIGA

Amazing, simple, inexpensive projection method allows you to convert monitor/TV screen to massive 7 foot wide 'cinema screen'!
For details, rush an SAE to:
B.L.P. (Dept A.F), Freepost CL3595, Colchester CO3 3BR

---

50 TOP AMIGA GAMES FOR ONLY £9.99 POST PAID

These games are not public domain. They are all 1993 copywrited games titles. Adventures, puzzlers, platformers, shoot em ups, beat em ups etc
Some of these games were mega hits!
FUTURE SOFTWARE (AF)
8 MAGNOLIA PARK, DUNMURRY, BELFAST BT17 0DS
Compatible with all Amigas 1 Meg only.
Fast despatch on orders

Convert your Amstrad
COLOUR MONITOR
£9.95

464/6128/664 ..... £9.95
DIY Kit £5.95
with Stereo Speakers £34.95
464 Plus (includes sound) £19.95
Hagars Electronics,127 High Street, Sheerness, Kent ME12 1NZ
Tel (0795) 663336
Cheques/Postal Orders accepted

PARADISE ISLE

CD32 £275
SPECTACULAR VOYAGE PACK
FREE DELIVERY IN UK MAINLAND
FMV £188
FOR THIS AND HUNDREDS OF OTHER SPECIAL OFFERS CALL PETE AT:
70 STANDFAST ROAD HENBURY BRISTOL BS10 7HJ
TEL: 0272 500245

ASTROLOGY

Wide range of programs for Amateur/Professional Astrologers
free catalogue (sae 38p - 9"x7")
ASTROCALC
Dept AF, 67 Peascroft Rd, Hemel Hempstead, Herts HP3 8ER,
tel: 0442 251809, fax: 0442 248902

F1 LICENCEWARE

31 Wellington Rd, Exeter, Devon EX2 9DU
The following titles are exclusive to F1 and are not PD.
Art School £3.99 - A stunning new art package that is just bristling with original and innovative features. This is a kids program but everyone will love it. Art School contains all the usual features you would normally expect and much more.
Here are just some of its features:
Sample player, colouring book, rainbow maker, tile maker, fractal tree, talking keyboard, slide show, child lock and many more.
Other new titles: Fortress £3.99, Vector Ball Designer £2.99, Karate Master £2.99 and many more
Send 75p for catalogue disk. P+P free.
Make cheques/P.O. payable to S. Bye

EdWord Professional V4.1 £10

The latest version of this powerful text editor is now available. It will work on any Amiga and under all versions of WorkBench. The full package boasts the following facilities:
- Can edit up to 15 documents at once (with optional split screen facility)
- A new port offering over 100 commands
- Macro facility to record/playback keyboard sequences
- Run any CLI/Shell command from within the editor
- Powerful Text Color for programmers
- Symbolic Indentation feature to underline your source code as you type
- Complete on-line documentation in Amiga Guide/AMI format
- Power Packer support, Iconify feature, App Window and ASL support, Word Wrap, ASCII table, Built-in calculator, various screen modes, fully configurable etc

Send blank disk & SAE for demo version
Please make all cheques/PO's payable to: Martin Reddy
M. Reddy, Lossiemouth House, 33 Clifton Road, Lossiemouth, Moray, IV31 6DP

AMIGA REPAIRS

Genuine fixed price
£39.95 inc
return post and VAT
Send to:
Everite Ltd, Lombard Business Park,
8 Lombard Road, South Wimbledon, London
SW19 3TZ. Tel: 081 545 7441
Enclose cheque, Fault Description and return address

LOGIC PD

FREE CATALOGUE DISK
80p Per Disk FREE P&P
031 453 6087
GREAT PD AT GREAT PRICES JUST 80p
UTILITIES MEGADEMOS DEMO MUSIC
FRED FISH GAMES ANIMATIONS
FULL DESCRIPTION OF EACH DISK
SAE TO LOGIC PD (REF:AF1)
8/3 GLENALMOND COURT SIGHTHILL
EDINBURGH EH11 4BE

DOUBLE A PD

MORE THAN 160 DISKS
AGA ONLY PD • BLANK DISKS • PICS DIGITISED

PD DISKS FROM ONLY	£0.85
30 BLANK DISKS/LABELS	£12.60
PICS DIGITISED/SAMPLES MADE	£SAE

SEND SAE FOR FULL CATALOGUE
MAKE CHEQUES/PO'S PAYABLE TO F.BELL
DOUBLE A PD, OLD LIFEBOAT HOUSE
ARBROATH DD11 1PA

LAZER PD

OVER 3000 DISKS!
All reviewed in our catalogue.
Send for FREE catalogue disk to:
Lazer PD, 21 Tavistock Road, Launceston, Cornwall PL15 9HF. Phone: (0566) 775164

FREE
452 GAMES CHEATS
FREE
NEW 1.3 EMULATOR

UNDERGROUND P.D.

FREE CATALOGUE DISK FROM
UNDERGROUND P.D.
RING 0702 295887 NOW!

100'S OF AMIGA AND ATARI ST/E

Games, Utilities, Music. Ham Radio plus many more AT JUST **90p**



SEND *NOW* FOR FREE LISTS AND ORDER FORM. NO OBLIGATION.
PENGUIN PUBLIC DOMAIN (AF), PO BOX 179, READING BERKS, RG3 3DD

LANGHAM P.D.

89 Wolverhampton Road, Codsall
Wolverhampton WV8 1PL
SEND DISK + S.A.E OR £1 FOR A CATALOGUE DISK LISTING OVER 5000 TITLES INCLUDING:
GAMES, UTILITIES, DEMOS, MUSIC, CLIPART, SLIDESHOWS, FRED FISH, ASSASSINS GAMES, T-BAG, EDUCATIONAL, ANIMATIONS AND SCOPE DISKS
P.D.PRICES:
35p (IF YOU SUPPLY YOUR OWN DISKS)
99p (IF WE SUPPLY THE DISKS)
DISCOUNTS ON LARGE ORDERS 100+ DISKS
MAKE CHEQUES/P.ORDERS PAYABLE TO: R.PAYNE.

FREE DISK

Catalogue
Over 6,000 PD titles, hardware & commercial software listed.
Send SAE to:
PATHFINDER PD (AF),
41 Marion Street, Bingley, West Yorkshire, BD16 4NQ.

You need look no further for quality software

UTILITIES	GAMES
Doc Dump	Defender
Freepaint	Deluxe Pacman
Textplus III	Curly Sue
Text Engine	Bond Mines
Menumaster	Klaxtris
Business Toolbox	Tetris Pro

OTHERS Budbrain DTP Clipart D Paint Fonts Mayday Demo Icon Mania Printmaster

P.D. PRICES		
1-10	Disks	£1.25
11-20	Disks	£1.15
21-30	Disks	£1.05
30+	Disks	£0.95
Post and Packing		£0.70
Catalogue Disk		£0.50
Blank Disks		35p each

Department AF, 28 Sandbeck Avenue, Skegness, Lincs PE25 3PE
Please make cheques payable to Toxic Software P.D.
TOXIC Public Domain
Phone enquiries only on (01754) 760663 24 HOUR SERVICE

ARTMAN

Non profit P.D.
Please send blank disk + S.A.E. for catalogue disk + 2 free games.
40 Northwell Gate, Otley, West Yorks LS21 2DN
OVER 4000 TITLES
SOMETHING FOR EVERYONE

FREE DISK

FOR THE FIRST 30 CUSTOMERS WHO ORDER WITH:
HORIZON
PUBLIC DOMAIN
GAMES, DEMOS, UTILITIES, SLIDESHOWS ETC
Send SAE to Horizon, 18 Marston Close, Taunton, Somerset TA1 4HZ

HORNESOFT P.D

EST 1990
OVER 7000 AMIGA PD DISKS, PRICED FROM JUST 20p TO 69p
All computers catered for!!
Send a SAE + disk for FREE Catalogue
To: **HORNESOFT P.D, DEPT AF, 23 STANWELL CLOSE, WINCOBANK, SHEFFIELD S9 1PZ**
Tel: **0742 422000** *Ask for Chris*
Our catalogue disk is unrivalled by any other. Amiga hardware also available.
We treat customers as friends, and not just another cheque!

CAPRI CD DISTRIBUTION

AMIGA CD32 — Commodore CDTV

ALL AVAILABLE TITLES

CDTV JOYSTICK CONVERTER & MEMORY SWITCH. FITTED UNDER CBM.. WARRANTY
70 + CDTV TITLES COMPATIBLE WITH CD32
150+ KARAOKE TITLES

NEW TITLES AVAILABLE SOON

QUAK/ALIEN BREED - PROJECT X/F17 CHAL
DONK - CHAOS ENGINE
RISE OF THE ROBOTS
VIDEO CREATOR - ULTIMATE BODY BLOWS

SPECIALS

MORPH £19.99 - MEAN ARENAS £19.99
ALFRED CHICKEN £19.99 - PINBALL £24.99

MANY OLDER AMIGA GAMES IN STOCK

F1, 9 DEAN STREET, MARLOW
BUCKS SL7 3AA 0628-891022
TRADE ENQUIRIES WELCOME

MasterCard VISA

"Do I not like FINAL SCORE?"

You should do! FINAL SCORE is the most accurate simulation of international football currently available for the AMIGA. Over 2.5Mb of program supplied on 3 discs.
Including the following features...

* 83 computer managed teams, 16 players in each squad.
* 200 England internationals to choose from.
* 1400 foreign players as your opponents
* All the players are rated on 9 different abilities.
* Full World Cup & European Championship tournaments.
* Friendly & Tour matches can also be arranged.
* Authentic Strips & Flags of every nation.
* Complete World Cup & European Championship history available for every nation.
* A wide range of team and individual player tactics.
* 16 different referees with individual characteristics.
* Excellent graphical match highlights and sound effects.
* View any of your opponents matches.
* Plus a whole host of other unique features!!!
* Compatible with all Amigas (minimum of 1Mb required).

TO ORDER FINAL SCORE: send a cheque or postal order for £12.95 made payable to IK SOFTWARE. Orders outside the United Kingdom add £2.00 to cover postage & packing.
All orders are despatched by return post.

IK SOFTWARE
28 DEVONSHIRE ROAD
GREAT YARMOUTH
NORFOLK NR30 3AL

AMIVISION SOFTWARE present

An incredibly addictive and detailed formula one simulation for 1-4 players

Watch the races as they unfold with three levels of highlights. Crashes, spins, pile ups, car failures, stop/go penalties, weather changes, fastest and record laps, make pitstops. Accurate and detailed graphics of the teams, circuits etc.

15 Teams, 2 cars per team, 50 drivers with varying skills, complete engine and tyre contacts. Choose tyre compounds, tune your engines, change wing settings, even train your pit crew!

formula 1 Challenge v4

Qualifying, 16 accurate championship circuits, news section, realistic sound fx, load/save games, weather forecasts, statistics saved, sponsors, full drivers and constructors championships and so much more.

NEW>>NOW with full 1994 season details, drivers, teams, circuits, etc. Incredibly addictive, produced by true formula one fans. The most realistic formula one management simulation, guaranteed.

ONLY £14.95! includes instruction manual

1994 season updater disk for existing owners just £3 (new teams, drivers, etc)

Please make cheque/postal order payable to - S Rennocks
Dept. AF. 1 CHERRINGTON DRIVE, GREAT WYRLEY, WALSALL WS6 6NE

MEGASOFT
0268 559164

The best in Amiga PD and shareware.

78 Bockingham Green
Basildon
Essex
SS13 1PF

£1 per disk, p+p (free UK) 50p Europe
70p rest of world. Cheques payable to Mark Crosby.

Megasoft - We profit when you do.

NORTHERN AMIGA USERS GROUP

the user group for
Any Amiga Owner, Any Age, Anywhere

FREE...FREE...FREE...MEMBERSHIP

The Northern Amiga Users Group offer you the chance to join one of the fastest growing user groups in Great Britain. It doesn't matter where you live (abroad or the UK) or what Amiga you own, this group offers something for everyone.

The services we offer include:

- Discounts at the First Computer Centre in Leeds
- Local Consultancy Service
- Desk Top Publishing/Word Processing Service
- Swap-Shop
- Monthly Disk Magazine with FULL member input, adverts, letters, advice, news etc etc
- Cheap Public Domain - Priced at 79p - On BRANDED DISKS!! - while stocks last

For further info and an Application Form send a S.A.E. to the following address

Northern Amiga Users Group
Dept. AF, P.O. Box 151, Darlington,
County Durham DL3 8YT

! Kobrasoft PD!

Don't get bitten by buying cheap PD. We sell the BEST. Over 6000 titles - games, utilities, graphics, demos etc. PRICES: 1-9 disks £1.50 each, 10-19 disks £1.30, 20+ £1.10 each. Send £1 for CAT disk or order to: KOBRAHSOFT, Pleasant View, Hulme Lane, Hulme, Longton, S-O-T ST3 5BH, or Tel: 0782 305244. We also take Access and Visa P+P U.K. 75p, others £1.50

AMIGA REPAIRS

No quote over
£39 on A500
A600 and A1200 also
available.

COMPLIFIX

16 High Street,
Gillingham, Kent ME4
1BB (0374) 636541

AMIGA ADVICE LINE
9am to 9pm

On registering you will gain access to unlimited telephone helpline advice for Workbench and serious Amiga software and hardware. Other services include: Professional scanning & colour printing of IFF pictures, PD fonts/backgrounds and utilities, software and hardware discounts.

Registration fee £15 PA. Send cheques payable to:

VIDEOWORLD
8 Ardoch Gardens, Glasgow G72 8HB

ADRENALIN SOFTWARE

We sell all SEGA, NINTENDO, AMIGA, ATARI, PC and CD, CDi software at totally realistic prices. 1000's of game titles to choose from. We also sell joysticks, and accessories.
Call us now on Leeds (0532) 383188 for a FREE PRICE LIST or call and ask us for a price and/or write to us at:-

ADRENALIN SOFTWARE, P.O. BOX 21, MORLEY, LEEDS LS27 0XE.

We accept cheques and postal orders only. All orders are sent by recorded delivery. We guarantee a reliable service. Telephones manned from 1pm to 8pm Mon-Fri 10am to 4pm Sat

PUMP UP YOUR GAMEPLAY WITH ADRENALIN!!

CD ACCESSORIES!
CD32 - A570 - CDTV

CD Cleaner/Scratch remover!	£4.95
CD Rack holds 20 CD's	£3.95
CD Cases, replace broken ones	£0.95

Postage on all orders 50p

Send 2 stamps for other accessories list and latest CD's

REDLAW RESOURCES
AF4 Offer, 74 Durban Road,
Patchway, Bristol BS12 5HQ

Amigraph — The very best PD

First subdealer in Belgium of 17-Bit.
Contact: Tijl Uilenspiegelstraat 38.
8000 Brugge. Tel 050/341594
Catalogue disk available only 90Fr
From disk 1900 onwards.
Follow 17 Bit and enjoy Amiga.

INVICTA SHAREWARE

A quick phone call will get you a FREE printed catalogue of our excellent range of Amiga P.D and Shareware.

SO DONT DELAY, CALL TODAY

Tel: 081 302 6213
Credit Cards
Cheques
P.Orders accepted

Invicta Shareware
6 Walsingham Rd
Orpington
Kent BR5 3BW

THE VERY BEST AMIGA USER GROUP

Offering thousands of new contacts. Free help and advice, second-hand hardware and software bought/sold/exchanged. Exclusive massive club discounts. Latest product information and member reviews. Plus the best fan/diskzines and millions of PD/Shareware titles. For Free information pack send an SAE to:

CHIC COMPUTER CLUB (AF)
P.O. Box 121, Gerrards Cross, Bucks SL9 9JP
(0753) 884473.
Trade & Dealer enquiries welcome. Plus FREE publicity for new software/fanzines etc. Contact us now!

A500/A600/A1200 Real Time Clock

This compact battery-backed clock measures just 7x6x2 cms! Installation is easy, it simply fits onto the parallel port (keeping your warranty intact), and incorporates a throughport enabling all other peripherals to be used.
It comes complete with a disk containing some useful utilities, including a calendar/diary program with a multiple alarm facility.

New Reduced Price: £13.99 inc VAT (plus £1 postage and packing)

Please make cheques/POs payable to: Kyte Products,
45 St Ladoc Road, Keynsham, Avon
BS18 2DR.

HUMBERSTON COMPUTER CENTRE

Amigas from £199.99 inc. software, mouse & mat. Best selection of Amiga software, peripherals & joysticks in the area. Also stockist of software and consoles for PC, Sega & Nintendo.

WIN A FLIGHT FOR TWO ON CONCORDE FOR THE 3RD JULY 1994 WHEN YOU BUY AN AMIGA, MEGADRIVE OR SNES FROM HUMBERSTON COMPUTER CENTRE

TEL: 0472 210601

Humberston Computer Centre,
49 Fieldhouse Road, Grimsby
South Humberside DN36 4UJ

BJ ELECTRICAL

573 Evesham Road, Crabbs Cross, Redditch, Worcs B97 5JP

Loads of Amiga Software available
All at 15% off recommended retail prices!
Please send cheque with order
7-14 days delivery
Ring 0527 542940 for lists of games and prices

CLUB 1200

Your only shop for AGA PD. 75p per disk including P+P. Great free disk system. All the latest AGA P.D. Send S.A.E now for information. New users welcome. No obligation to buy.

57 EUROPA ROAD,
LOWESTOFT, SUFFOLK
NR32 4BQ

3D BLOCK OUT

The new 3D puzzle game from Flexiware including 50 levels and a full Level Designer. Only £6.99 including VAT and Postage & Packing

For details tel: (0865) 873625
(Mon-Fri 9am-5pm) or write to Flexiware, 83 Gidley Way, Horspath, Oxford OX33 1TQ

ONLINE

Professionals in Amiga PD/Shareware
Voice Order - 0704 834335 BBS: 0704 83[illegible]
24Hr 1 Gig HD/4 GIG DAT BBS

600 Mb of CD Storage on line

Try our Bulletin Board System for PD. Reasonable rates & free PD!

If the PD is not in stock, in most cases it can be obtained in 24 hrs. This unique service is only available from Online PD

Cheques/P.Orders to Online PD. Send 3 first class stamps for a catalogue disk
Online PD, 1 The Cloisters, Halsall Lane, Formby, Liverpool L37 3PX

GAMES 4 U

VISA — 14 days 90% money back guarantee (It is cheaper than renting) — Access

100's of PD games in stock. Also Manga Videos in Stock
open 10am – 7pm Mon – Saturday
Games 4U, 3 Dean Parade, Camberley GU15 4DQ
(600 yards from the A30. Take Caesars Camp Road, then left at College Ride and after the filling station and shops, right at Berkshire Road and you will see the shopping parade).
For Further Information phone 0276 681864

ANIM 1 PD

MAGICAL
INGENIOUS
GRAPHICAL
ANIMATIONS

SEND 60P OR 3 1ST CLASS STAMPS FOR CATALOGUE TO:

"ANIM 1 PD"
P.O BOX 128
WEST MALLING
KENT ME19 6UA

EVERGLADE

P.O. BOX 47, INVERNESS, SCOTLAND IV3 5LS
TEL/FAX: 0463 240168

Amiga A500, A500+ and A600 Back Catalogue, plus C64 and Spectrum.

We still supply A1200 and CD32 hardware and software

Phone or write for FREE list

MILITARY STRATEGY WAR GAMES

The world's leading example of machine intelligence in the field of wargaming.
Send S.A.E. for details to:

K W Software
155 Ringinglow Rd,
Sheffield S11 7PS

KEW =II Software

Est.1989

TOP QUALITY AMIGA PD & SHAREWARE

CATALOGUE WITH INDEX & UTILS ONLY £1
1-3 DISKS £1.50
4 PLUS DISKS £1.25
FREE P&P

FREE FRIENDLY HELP, POST OR PHONE ANYTIME!

P.O. BOX 672
SOUTH CROYDON
SURREY CR2 9YS
TEL: 081 657 1617

PICK YOUR OWN PROGRAMS BY NAME, NUMBER & SIZE! IT'S EASY!

THE LEADER - OTHER CAN ONLY FOLLOW!

£1 INC P&P **GVB-PD** £1 INC P&P

AMIGA PUBLIC DOMAIN

DEPT AF.
43 BADGER CLOSE, MAIDENHEAD,
BERKSHIRE SL6 2TE UK

BUSINESS SOFTWARE ART PROGRAMS
EDUCATIONAL DTP FONTS ANIMATIONS
CLIPART VIDEO UTILITIES GRAPHIC DEMOS
MUSIC DEMOS ASSASSINS UTILITIES
FRED FISH MUSIC SLIDESHOWS
ASSASSINS GAMES DISKS GAMES

FOR A CATALOGUE DISK

PLEASE SEND 3 FIRST CLASS STAMPS OR 4 FIRST CLASS STAMPS FOR CAT & FISH CAT

0831 - 649386

BREAK THE SOUND ~~BARRIER!~~

SECTOR 16

THE MUSIC STOP FOR YOUR AMIGA

MIDI/MUSICWARE © AMIGA P.D - HARD & SOFTWARE

For all your music and midi needs
Samples and modules for Protracker, OktaMed, etc . Midi Sequences, Patch editors.

For more details Please send 50p for our catalogue.

We are also Amiga 1200/4000 Public Domain *Specialists.* Send S.A.E

Dr T's & Blue Ribbon Products
ARBITER - Editor Librarians
FATAR -Master keyboards
SAMPLING HARDWARE

DISK EXPANDER Double your disk & Hard Disk capacity !! NOW £32 Inc p & p

Sector 16 160 Hollow Way
Cowley Oxford 0X4 2NL
Tel (0865) 774472

Chalson Limited

AMIGA DELUXE WORKSTATION

Transform your work area. Be safe, no untidy wiring. Finished in textured steel, to complement your Amiga

Good quality competitively priced A500/A600/A1200 models £17.95 inc VAT + £3.50 P&P



Please send cheque/Postal Order payable to:
CHALSON LTD, UNIT 10, MORETON PARK INDUSTRIAL ESTATE, MORTON ROAD (SOUTH), LUTON LU2 0TL
Telephone (0582) 487833 Fax (0582) 487844
Allow 21 days delivery

MEMORY *EXPANSION*

1Mb x 1	-80ns	DIP	6.03
256 x 4	-80ns	DIP or ZIP	6.03
1Mb x 4 (44C1000)	-80ns A3000	ZIP	21.82
1Mb x 4 (44C1000)	-80ns Static Col	ZIP	21.82
1Mb x 8	-80ns	SIMMs (GVP)	39.95
4Mb x 8	-80ns	SIMMs (GVP)	135.13
4Mb (1x32)	-70ns 4000/030	72 Pin	141.00

Please phone for the latest prices. VAT included. Delivery £5.88

Access **KINGSWAY UK LTD** VISA

Phone 0923 836473 Fax 0923 836474
18 Foxfield Close, Northwood, Middlesex HA6 3NU

AMIGA POWER SUPPLY £24.99

GENUINE COMMODORE 1 YEAR WARRANTY, SPEEDY DESPATCH

AMIGA REPAIR (A500/A500+ ONLY) £37.99

Multiple faults may result in extra charge.
Price includes postage, parts and labour

AMIGA

Internal Drive Repair	£24.99	Garry Chip	£5
A520 Modulator		Denise Chip	£5
exchange only	£16.50	Kickstart 1.2 Ram	£5

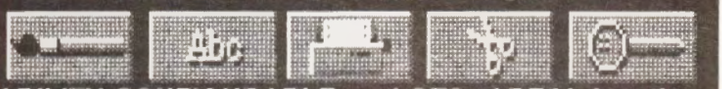
SPARES

Cheques and postal orders to:
Omnidale Supplies, 8E Rowan Court, Friargate, Derby DE1 1BU Tel (0332) 291219

Access VISA

SmartyPaints

The Serious Amiga art package for kids



ABILITY-CONFIGURABLE ..... LOTS of REAL functions
***TWO workscreens with brush cut & paste**
Zoom, patterns, key shortcuts, Amiga fonts & more
***Works in 1Mb (1Mb. chip for 2 screens and full size brushes.)**

SmartyPaints *costs just £28.50 + £1.50 P&P*

CHEQUES / PO's (no credit card orders) to:
CHROMA COMPUTER IMAGES
DEPT AF 153 HOLT ROAD FAKENHAM NORFOLK NR21 8JF
Preview disk £2.50 or send a Stamped SAE for a factsheet
Enquiries 0328 862693 (office hours)

AMIVISION SOFTWARE

The Power Collection

Power Base V3·30	£14·95
Word Power V2	£9·95
Power Planner	£5·00
Menu Power	£5·00
Disk Power	£5·00

Incredibly powerful and yet user friendly database system
Complete word utility (crossword/anagram solving + loads more) 36,000+ word dictionary
Personal organiser (Diary, address/telephone book, automatic reminders, regular events etc.)
Create menus for your disks (add an IFF picture to the background – stunning)
File management utility

Complete with detailed instruction manual for just £14·95

FREE FREE FREE
Catalogue upon request
DEMO DISK £1

SAVE £15! – ORDER NOW – FOR JUST £24·95!

All programs come complete with detailed instruction manual
All programs require 1Mb and are compatible with ALL Amigas including A1200.
Prices fully inclusive for UK. Overseas orders, please add £1·00 P+P.

*** Please make cheque/postal order payable to: S. Rennocks**
Dept AF, 1 Cherrington Drive, Great Wyrley, Walsall, West Midlands WS6 6NE

Amiga-64-Link

● Links C64 peripherals to Amiga parallel port ● C64 Not required

Connects C64 printers to the Amiga

● Supports MPS, DPS, VIC, Star, Brother, Seikosha & Citizen printers
● Graphics output on dot-matrix printers ● Works with all software

Transfers C64 disk files to the Amiga

● File transfer programs ● Read/Write text, binary & program files

Standard "Ami-64-Link" **£35.25** *Prices include VAT and delivery*
Budget "Ami-64-Link" **£23.50** Budget stops multi-tasking during printing

Access **York Electronic Research (0904) 610722** VISA
The Paddocks, Jockey Lane, Huntington, York Y03 9NE

SENSATIONAL SOFTWARE 75P PER DISK

GAMES
Galaga Deluxe
18th Hole Golf (2)
Scorched Tanks
Talisman (2) (2 mags)
Asteroids 2 (WB2/3)
Olympiad Lemmings (2)
Mr Men Olympics (2)
Cricket
Calculus Combat
Ork Attack
Cush Fruit
Crazy Sue Goes on
Tanx 'n Stuff
High Octane (2)
Peters Quest
The Pyramid Game (2)
Nostalgium (C64 Uridium)
Offender (68020+FPU)

UTILITIES
RS Demomaker +Tools (3)
Procad Electronic
A-base 2.04
Super League 3.4
Tetracopy
Typing Tutor
Super Duper 3
PP Show 40
Easy Calc
Red Dwarf 1-4Script!
Octamed 5
Protracker 3
Trackripper 2
Gametamer V4.09
Edword 4.1
Text Engine 4.1
Engineers Kit
Music Engine 3.4

NEW DEMOS
9 Fingers (2)
Exodus on Lard
Sonic Attack (4)
Arte

75p

MUSIC
2 Unlimited (2)
What Can you Do for Me
Crusaders Bacterie

EMULATORS
Spectrum EM 1.7
Spectrum Games 1 (3)
Spectrum Games 2 (3)
BBC Emulator + games
Kickstart 3 EM
Vic 20 Em. + 50 games (2)

A1200 ONLY
Snake Rider (2)
Techno Tracks II
World of Manga (4)
Cromagic
Full Moon
Biomechanoid 1
Hypnosis
Relokick 1.4
Megaball AGA

A1200 ONLY
Hoi Remex
Complex Origin (2)
Klondike (3)
French AGA
Dungeons & Dragons (3)
Snake Rider (2)
Ferrari Pics
Swimsuit Babes (5)
Bodyshop V (2)
Seven Sea (3)
Empty Head
Abstrax Pig
Motorola Invaders (2)
Subliminal XTC(2)
Ray World (3)
Degraders
Action Replay 4
Heinz Hi-Res Backdrops (2)

All PD reviewed in any magazine is available from us!
PD comes on 100% error free, virus free branded disks, despatched same day!
Make Cheques/Postal Orders payable to Sensational Software (P&P 75p)
30 Hounsfield Crescent, East Herringthorpe, Rotherham, South Yorkshire S65 3PZ.
BBS: 0527 5815668, 11.30pm-7am ONLY! 13 PD disks for £10 (inc P&P), catalogue disk 50p

Our range of educational subjects now includes:

- GEOGRAPHY
- HISTORY
- ENGLISH WORDS
- SPELLING
- ARITHMETIC
- FOOTBALL
- MATHS
- FRENCH
- GERMAN
- SPANISH
- ITALIAN
- SCIENCE
- SPORT
- FIRST AID
- GENERAL KNOWLEDGE
- ENGLAND
- SCOTLAND
- NATURAL HISTORY

kosmos educational software

the connoisseur's choice

Write or phone for our FREE 16-page colour catalogue of Educational & Leisure Software (State computer type) to:
Kosmos Software Ltd, FREEPOST (no stamp needed)
DUNSTABLE, Beds. LU5 6BR
Telephone 0525 873942 or 875406

EXCLUSIVE PD

The friendly PD service for all Amiga users - something for everyone

7 Beresford Close, Waterlooville, Hampshire PO7 5UN Tel: (0705) 642409
Office hours: 10am-7pm Mon-Fri, 10am-3pm Sat

WE STOCK	DEMOS	UTILITIES	MUSIC	AGA SLIDESHOWS
LSD Legal Tools	Lemon: Rink-A-Dink	Audio Magic #5	Scoopex: 2 Unlimited	Linda Lusardi (2)
Fred Fish	Digital: Dream Trippin	ASI Handy Utils #3	Chubby Brown	GIF Beauties 1-14
Panorama	LSD: Jesus on E's (2)	A1200 Pack (3)	Ebeneezer Goode	24 Bit JPEG Pics
APDC	Lemon: Groovy	Text Engine V4.1	Euphoria 1 & 2	Wierd Science Swimsuits 1/2/3
Scope	Perspex: Hypnosis (AGA)	Clip Art #12 Yabba Dabba Doo	Good Mornin' Vietnam	Erika Elenlak
Amicus	Spaceballs: Fingers (2)	ST-13 Rave Samples	L7: Wargasm (2)	Ferrari Slides
Assassins Games	TRSI: Misery	ASI A1200 Fix Disk	Mayday: Resistance	Jurassic Park
TBAG	Arise: Smells Like Chanel No 5	ASI Video Titlers	ST-Modules #4 808 State	Network 12: Fit Chicks III (2)
Disk Magazines	Digital: Day of Reckoning	Amiga Fox (DTP)	Stand Up: Jasper Carrot	Network 12 Slides (2)
Grapevine etc	LSD: Techno Warrior	Font Library	War of the Worlds	NFA: Bodyshop 1
	Melon: Booo	Printer Drivers A & B	Waynes World (2)	NFA: Bodyshop II (2)
Catalogue disk free with your first order or send 2 x 25p stamps	Nerve Axis: Demons Rage	Powercuts Samples	Intense: Rave Vision	NFA: Bodyshop V (2)
	Virtual Dreams 242 (AGA)	ASI Label Printers	LSD: Total Kaos (2)	NFA:Sherilyn Fenn
	LSD: Simply the Best #68	Cheque Book Account	Freddy Krugar Rap	NFA: Claudia Schiffer
	Reflex: XS	Octamed Pro	LSD Music Pack (4)	NFA: Telly Pics (2)
	Melon: How 2 Skin a Cat	Interpol AGA Games Fixes	Octastuff Music	Weird Science AGA Pix 1 & 2
	Stone Arts: Atmosphere	Kickstart 2.0 Emulator	Technological Death	Weird Science Space

100 cap. disk box £5.50
All Amiga Dust Covers..£2.00
Mouse Mat £2.00

Drive Cleaner £2.00
50 DSDD disks £20.00
100 DSDD disks £39.00

All PD disks £1.00 each
Postage: UK 50p
Europe add 20p per disk
World add 40p per disk

All cheques payable to Exclusive PD.
Other accessories and hardware available, please call for details

IF WE HAVEN'T GOT IT... WE'LL GET IT AT NO EXTRA CHARGE

Matrix Computer Club



Hundreds of computer programs at a fraction of the price - *and* we'll buy them back - guaranteed!

* THE LATEST & THE POPULAR FROM THE TOP PUBLISHERS * FROM BUSINESS TO LEISURE * NO COMMITMENT TO BUY * SUPER GUARANTEED PRICES * QUARTERLY NEWSLETTER WITH REVIEWS, SPECIAL OFFERS, MEMBERS SMALL ADS * FAST SERVICE * NO PREPAYMENT * ESTABLISHED 1981* OVER 3000 MEMBERS

Send S.A.E. or phone (24 hours) for full information pack. Matrix Computing Services, Dept. AMF5, 2 French's Yard, Amwell End, Ware, Hertfordshire SG12 9HP

VISA Access EUROCARD

0920 484479 - 24 hours
Now PC CD ROM!

DISKS!

All with 100% lifetime guarantee & labels
GRADE 'A' 3.5" DS/DD

20 Disks	£6 + £2 p+p
50 Disks	£15 + £2 p+p
100 Disks	£29 + £3 p+p

PHONE US FOR ALL THE BEST PRICES ON AMIGA CD32, PRINTERS & SOFTWARE

FOR LARGER QUANTITIES PLEASE PHONE FOR THE LOWEST PRICES

THE COMPUTER SHOP, 11 ALL SAINTS PASSAGE, HUNTINGDON, CAMBS PE18 6LE

VISA TEL/FAX (0480) 435858 Access

DO YOU OWN A SAMPLER? IF SO, READ ON

New Sample CD's from Pure Technology

ECSTATIC ACID BYTES is the FIRST sample CD to have separate samples on the left and right channels of the CD, effectively making it a double CD (over 2 hours long). With almost THREE THOUSAND killer samples to create those grinding basslines and squealing leads essential for all Techno, Rave, House, Acid and Ambient tracks this CD is MASSIVE. ONLY £22·95

MEGA BEATS is the only CD which offers the comprehensive range of 30 of the best drum machines sampled in their original formats. Includes the legendary Rap and Rave machines, the TR-808 and TR-909. Has already been used on top selling records. **ONLY £19·95**

ASTRO GLIDE 202 – Another jam packed CD for all you manic Ravers. Only a few left, so hurry! **AMAZING LAST STOCK PRICE £14·95**

COMING SOON!! ATOMIX BITE-SIZE BEATS 'N' SAMPLES, produced by Simon Power remixer for the Music Factory and producer of the hit single I WANT YOUR LOVE. Phone for further info.

The sounds on these CD's are **100% ORIGINAL** and are **NOT** available on PD. DON'T be fooled by cheap imitations.

Call our credit card hotline NOW! or send a cheque or postal order made payable to Pure Technology.

ENQUIRIES AND CREDIT CARD ORDERS: 0745 332535
OFFICE HOURS
MON-THURS 11·00 am - 1·30 pm 2·00 pm-6·00 pm FRI-SAT 11·00 am-3·30 pm
Answering machine outside office hours

PURE TECHNOLOGY
Dept AF, P.O. Box 997, Rhyl, Clwyd, LL18 4WA

HOT 1200 AGA TITLES AVAILABLE NOW!

From TELESCAN COMPUTER SERVICES

TOP 20 AGA TITLES

1. Bodyshop 7 AGA (2)
2. Erika AGA (1)
3. Not Again Demo (1)
4. Magic Factory (2) See panel right
5. Megaball Game AGA (1)
6. Subliminal XTC Rave demo (2)
7. Beyond Belief Demo (1)
8. Ray World Demo (3)
9. 1200 Diagnostics Disk (1)
10. Origin Demo (2)
11. Boris Vallejo Fantasy Slide (2)
12. Max Overdrive (2) Needs HD
13. Andy's Workbench 3 Utils (1)
14. World of Manga (4)
15. Fit Chix 3 (2)
16. Motorola Invaders (2)
17. Action Replay 4 (1)
18. Oscar the Game (1)
19. Smells like Chanel No 5 (1)
20. Bodyshop 5 AGA (2)

PLEASE CHECK BRACKETS FOR NUMBER OF DISKS

THE NEW AGA DEMO PACK

Contains the best AGA demos to date to show off your 1200 to the full. Full Moon (1 disk), Origin (2 disks), Beyond Belief (1 disk), Ray World (3 disks), Chanel No5 (1 disk). The best demos and great value at

£8 THE SET

DISK PRICES (POST FREE)

£1.50 per Disk - 5 or more £1.00 each (NOT SCANNER OR CLONE)

MINIMUM ORDER 2 DISKS

SEND 3 FIRST CLASS STAMPS FOR OUR FAMOUS CATALOGUE DISK (ALL AMIGAS) OR SENT FREE WITH FIRST ORDER

THE CLONE

The BEST copying disk available! Contains - D-Copy 3, Freecopy L8, Copy-C Diskmate, Superduper 3, Safecopy 2, Tetracopy. All with documentation

All the latest and best copiers **£2.50**
FREE WITH EVERY ORDER OVER £10

BODYSHOP 6a & 7

The latest in the series! 4 disks of Gobsmacking AGA glamour pics. Photographic quality and a must!

£5 THE SET

MAGIC FACTORY

2 disks of superb STAR TREK AGA pictures. Warp Factor 9 quality!

2 DISK SET £3

SCANNER DISK MAG

Now in its 3rd year and packed with the best PD programs plus reviews/news/adult section/art/music/tips etc. Amiga Shopper rated it 10/10 Why not try the latest issue? SCANNER is on two disks and is compatible with ALL Amigas.

2 PACKED DISKS - £3.50

Please make cheques & PO's payable to N. JORDAN and post to -
TELESCAN COMPUTER SERVICES, PO BOX 1, THORNTON-CLEVELEYS, LANCS FY5 1SH
or if you prefer you can telephone your order using your ACCESS/VISA on 0253-829292

NJH PD

DEPT AF, 23 West Street, Rochford, Essex SS4 1BE
Tel: (0702) 546191

Many more disks in stock. If you can't see what you are after please phone and see if we have it. All disks will work on any Amiga unless otherwise stated. Full catalogue available for only 75p or 3 1st class stamps. (#)= Number of disks
All orders sent 1st class the same day
FREE DISKS
Order 10 pick another disk free.

FROM 80p A DISK
1-3 Disks £1 per disk
4-9 Disks 90p per disk
10+ Disks 80p per disk
Add 70p to total order for p+p
Cheques/P.O. payable to NJH PD

UTILITIES

- Procad
- XPK Disk Packer
- DiskSalv 2 (WB2/3)
- Imagine Obj +Tex (7)
- X-Beat Pro
- Crack and Copy
- 200 Utilities
- Text Engine 4.1
- Icon Editors
- Spectrum 1.7
- Spectrum Games (8)
- 600 Business Letters
- Tetra Copy
- Menumaster 3
- Freecopy 1.8
- Lock Pick 2
- Kick 1.3
- No Errors
- D-Copy 3.1
- Hard Drive Utils
- Octamed 2
- Octatutor
- Med Modules (3)
- Pacman Copy
- Grapevine 1B (3)
- PC Task 2
- B-Base III
- Diskmanager 3

GAMES

- High Octane
- Ork Attack
- Kung Fu Charlies
- Excellent Cards
- Klawz The Cat
- Megaball 2.1
- George Glaxo (2)
- Star Base 13 (2)
- Gnu Chess (WB2/3)
- 100 PD Games (7)
- Tetris Pro
- Wibble World Giddy
- Neighbours (2)
- Top of the League
- Grand Prix Manager 93
- Battle Cars 2
- 18 Hole Golf (2)
- Jelly Quest
- Skidmarks
- Mr Men Olympics (2)
- Wheel of Fortune
- Board Games
- Exit 13
- Lemmingoids 2
- Roulette
- Defender
- Deluxe Pacman
- Gomeboy Tetris

DEMOS

- Flying Cow
- 9 Fingers (2)
- Trip to Deep Base (2)
- Skizzo 2 (4)
- Dream Trippin
- Lemon Groovy
- Wicked Sensation (2)
- Clairvoyance
- Kefrens Dane
- Data x Trilogy
- Extensions
- Neural Assault
- Fairlight 242
- Jesus On E's (2) (2D)
- Star Trek Rave Demo
- Desert Dream (2)
- Revelations Slides
- Techno React 2
- Techno Mads (5)
- Mayday
- Lethal Exit
- State of the Art
- Rave Attack 2
- Flying Lessons
- LSD Techno Warrior
- Speed Demo (3)
- Rubarb & Custard
- Groove is in the Heart

1200 UTILS

- ASI Multi Vision AGA
- Andy WB3 Utils
- AGA Utils#1
- WB3 Backdrops
- Magic WB (hard drive)
- WB3 Hacks
- 1200 HD Prep
- ASI Fix Disk

1200 DEMOS

- Subliminal XTC (2)
- Beyond Relief
- Raging Fire
- Ray World (3)
- Empty Head
- Virtual Journey
- Ivy & Cream
- Origin (2)
- Noxious
- Full Moon
- Max Overdrive (2) (HD)
- Abstrax Pig
- Volcano
- Explicit 2
- Hoi Mindwarp
- Hoi Planet Groove
- Panto Rehi
- Chanel No 5

1200 GAMES

- AGA Megaball
- AGA Tetris
- AGA Klondike (3)
- Motorola Invaders 2 (2)
- Mad Fighter
- Boron
- Oscar Game Demo
- Uchess (6 meg)

1200 SLIDES

- Sherilyn Fenn
- Erika AGA
- Fit Chix (2)
- Fit Chix 2 (2)
- Fit Chix 3 (2)
- Fit Chix 4 (2)
- Bodyshop 3
- Bodyshop 5 (2)
- Bodyshop 7 (2)
- AGA Manga Slides (4)

EDUCATION

- World Geography
- Amiga Beginner
- ASI Back to School 1
- ASI Back to School 2
- ASI Back to School 3
- Little Traveller
- Communicate

TOP QUALITY DISKS

PLANET DATA

MAIL ORDER DISK SUPPLIERS
WHOLESALE & RETAIL

VISA Access

9 High Street South
Olney, Bucks MK46 4AA
Tel: 0234 240954
Fax: 0234 240272

10 DS/DD PLANET BRANDED DISKS supplied in QUALITY Plastic Flip-top library case with labels: ONLY £4.99

100 CAPACITY LOCKABLE DISK BOX £3.50 + £2.00 P&P

MOUSE MATS £1.00 + 40P P&P

100% CERTIFIED FULLY GUARANTEED

DS/DD 3.5 PLANET BRANDED			DS/HD 3.5 PLANET BRANDED		
20	£8	+ £2 P&P	20	£9	+ £2 P&P
50	£17	+ £3 P&P	50	£22	+ £3 P&P
100	£30	+ £3 P&P	100	£43	+ £3 P&P
250	£70	+ £3 P&P	250	£106	+ £3 P&P

Phone today for free 14 page catalogue
Games/pd & Shareware plus much more!!

BIG MUSCLES FAST!

Get Big! And Get Noticed this Summer!

Do you want an attractive, muscular body? Have you noticed the 90's woman's preoccupation with men with sculpted physiques? Have you noticed the rise and rise of Chippendales, Versace Models, muscular actors etc? Would you too like to build an attractive, hard, muscular physique? If not, stop reading, if you do here is the way.

Building a good physique is not easy. You may have wasted money on manuals, on joining 'keep fit' gyms with clueless, self-centred instructors, spent a fortune on magazines learning the 'ways' of the 'champs', sent off for expensive 'no weights required' gimmicks. You may have wasted all this money and still had zero results and then gotten bored and stopped! We don't blame you, 99% of our clients went through all this themselves until they discovered the RIPFAST muscle building programme, based on the very latest American scientific concepts. This explosive new system is 100% natural requiring only 4×30 minute sessions a week from the privacy of your own home. It gives fast and phenomenal muscle growth in just 6 weeks, yes, 6 weeks! By Week 8, gains are even greater.

The system can be used to whatever degree of muscularity, mass or fitness required. The package contains a full instructional PROGRAM with COMPREHENSIVE MANUAL giving full details on this explosive system. And it is unbelievably simple to use.

Price is only £22 + £3 postage, packing & handling for a phenomenal system that **really** does work. Compare the price with that you have spent or maybe will spend! We promise that you will be 100% delighted with the results!

These ecstatic user reports confirm its phenomenal success:

● *"I can't believe the silly things I was doing before I started the RIPFAST programme. These results are phenomenal. I've never seen anything like it!"* F.H., Leicester. ● *"I feel so strong, I look fantastic, how can anyone not use RIPFAST."* S.W., New York, USA. ● *"My friends can't believe my amazing bodybuilding success, in just 6 weeks my confidence has increased tenfold! Thanks!"* J.K., Chorley. ● *"My girlfriend's wondering what I'm on! She can't keep her hands off me! Thanks a million!"* B.S., Notts. ● *"At last! After years of wasted energy and cash, RIPFAST has given me the results I craved."* Mr. S.B., Wales. ● *"I used to be tall and skinny. Having wasted so much time and energy in the gym I almost gave up. RIPFAST has given me devastatingly handsome results."* O.M., Glasgow, Scotland. ● *"Your programme is the most effective I've ever tried."* A. Omar, Karachi, Pakistan. ● *"In a few weeks, RIPFAST has transformed my life."* J. Barr, Toronto, Canada. ● *"I can wholeheartedly recommend it to anyone."* I. Jinnah, Bophutatswana, S. Africa.

ADD *YOUR* DELIGHTED COMMENTS TO THE LIST. USE THE RIPFAST SYSTEM AND TRANSFORM YOUR PHYSIQUE . . . TODAY!

Why RIPFAST? Thousands of delighted users worldwide can't be wrong! Use RIPFAST – one of the most powerful, effective, yet 100% natural muscle building systems ever devised! Apply this *scientifically proven* system to completely remove flab and pack on muscle, or to just gain *phenomenal* muscular mass *quickly* and *safely*. Make up for all the time wasted in the past – YOU HAVE NOTHING TO LOSE!

DON'T MISS THIS OPPORTUNITY FOR BUILDING A POWER-PACKED BODY. ORDER TODAY.

ORDER FAST & CLAIM YOUR FREE GIFT

Yes! I want results FAST, and I want to transform my physique the RIPFAST way.

Please send me ..... Ripfast pack(s) which includes an instructional PROGRAM and complete MANUAL! @ only £22 + £3 postage, packing & handling (overseas add £3). I enclose CASH/cheque/P.O. payable to ATLAS for £.....

Tick as appropriate: ☐ I am enclosing cash please despatch my order immediately. ☐ I am ordering fast please also enclose my FREE GIFT.

NAME..... ADDRESS..... AF/05/94

..... POSTCODE ..... DATE .....

Please send to ATLAS PUBLISHING, 2 EASTERN BOULEVARD, LEICESTER LE2 7BA.
Atlas Publishing are wholesale distributors of quality mail order goods.
DELIVERY TIMES: CASH – OVERNIGHT DELIVERY (Goods sent 1st Class Post same day). When sending cash please use a well sealed, non see-through envelope.
CHEQUES/P.O.'s – please allow 30 days. All orders despatched in plain cover. Mail Order ONLY.



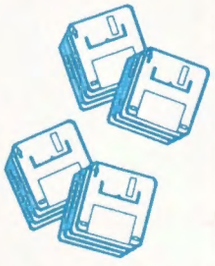
Suitable for all persons aged 13 and over.

FREE GIFT!

Order within 30 days of the cover date of this magazine and you will receive the phenomenal RIPFAST ABDOMINAL DEFINITION PROGRAM (currently retailing at £14.99) – ABSOLUTELY FREE! Take advantage. ORDER TODAY!

PREMIUM BULK 3.5" DS/DD DISKS

25	10.49
50	18.49
100	32.99
200	64.49
250	79.99
500	158.99



ALL DISKS ARE FULLY GUARANTEED AND ARE COMPLETE WITH LABELS

3.5" SUPERIOR LOCKABLE DISK BOXES

Qty	100 Cap.	140Cap.	200 Cap Drawer.
1	4.49ea	6.49ea	11.95ea
2	4.39ea	6.39ea	11.75ea
4	4.19ea	6.19ea	11.50ea

3.5" PREMIUM DISKS WITH OUR BOXES

100 Cap box + 50 3.5" DS/DD	22.49
100 Cap box + 100 3.5" DS/DD	36.49
140 Cap box + 100 3.5" DS/DD	37.99
200 Cap drawer + 100 3.5 DS/DD	42.99



SNAP COMPUTER SUPPLIES LTD

HOTLINE

0703 457111

RIBBONS-POST FREE

Full Mark Brand	2 off PRICE EACH	4 off PRICE EACH
Citizen 120D/124D Swift 24	2.75	2.55
Citizen Swift 24 Colour	11.95*	
Panasonic KXP 1080/1123/1124	3.25	3.05
Panasonic KXP 2123	4.95	4.75
Panasonic KXP 2123 Colour	10.95*	
Star LC10/LC20	2.60	2.40
Star LC10-4 Colour	5.90	5.70
Star LC24-10/24-200	2.95	2.75
Star LC24-10 Colour	9.95*	
Star LC200	3.00	2.80
Star LC200 Colour	9.95*	
Star LC24-200 Colour	9.95*	
HP Deskjet 500 Double Refill	9.95*	
Canon BJ10E Double Refill	9.95*	

*Minimum order - 2 ribbons, except those marked with an asterisk**

ACCESSORIES-POST FREE

Quickshot Apache Joystick	6.95
Quickshot Python 1M Joystick	8.95
Quickshot Maverick 1M Joystick	12.95
Mouse Mat	1.99
Mouse Holder	1.99
Roll 1000 3.5 Disk Labels	8.99
Amiga A500/A600/A1200 Cover	3.50
Philips monitor cover	3.99
Star/Citizen/Panasonic 80 col. Printer cover	3.99

All products are subject to availability - All prices include VAT. Please add £3.50 p+p for disks and boxes or £5.99 if goods required overnight. E&OE.

VISA

SNAP COMPUTER SUPPLIES LTD Fax: 0703 457222
Unit 12, The Sidings, Hound Rd, Netley Abbey, Southampton S031 5QA

Access

THE WORLD'S BEST-SELLING AMIGA MAGAZINE

AMIGA FORMAT NEXT MONTH...

ISSUE 60 ■ JUNE 1994 ■ £3.95

ISSUE 60
ON SALE THURDAY MAY 26TH 1994

NEXT MONTH'S COVERDISKS

INTERSPREAD:
From the people who created this month's database, we'll be bringing you a top notch spreadsheet.

ANOTHER GREAT GAME:
We'll keep you tied to your machine playing the excellent adventures on June's disk!

CLEAN YOUR PALETTE!

Next month we'll check out the new generation of Amiga paint packages. As well as a detailed head-to-head and a look at what you get for your money, we'll be kicking off a new series of paint tutorials for all abilities.

GAMES

KingsQuest 6, Theme Park AGA, Robinson's Requiem, and much more!

REVIEWS

***Personal Animation Recorder* scrutinised, along with the rest of the month's releases.**

TUTORIALS

More help and advice with Imagine, Blitz Basic 2, Music X and Workbench.

AMIGA FORMAT 59 MAY 1994

EDITORIAL
GOODBYE EDITOR Marcus Dyson
DEPUTY EDITOR Julie Tolley
CONSULTANT EDITOR Nick Veitch
PRODUCTION EDITOR Richard Jones
GAMES EDITOR Rob Mead
STAFF WRITER Richard Baguley
STAFF WRITER Stephen Bradley
PRODUCTION ASSISTANCE Rebecca Lack

PUBLISHING
PUBLISHER Steve Carey
PUBLISHING ASSISTANT Anna Masters
PROMOTIONS MANAGER Tamara Ward
CIRCULATION MANAGER Jon Bickley
CIRCULATION ASSISTANT Kate Elston
JOINT MANAGING DIRECTOR Greg Ingham

PRODUCTION
GROUP PROD MANAGER Judith Middleton
ADVERTISING PRODUCTION
Charlotte Brock, Craig Broadbridge
PROD CONTROLLER Claire Thomas
PROD CONTROL ASSNT Ginette McKeown
ADVERTISING DESIGN
Claire Russell, Lisa Withey
ADMIN ASSNT Suzannah Angelo-Sparling

DESIGN
ART EDITOR Sue White
DESIGN Frank Bartucca

CONTRIBUTORS
Chris Cowan, Maff Evans, Andy Hutchinson, John Kennedy, Brian Larkman, Don Maple, Pat McDonald, Tim Smith, Jeff Walker.

ADVERTISING
ADVERTISING MANAGER Jackie Garford
SENIOR SALES EXECUTIVE Anne Green
SALES EXECUTIVE Diane Clarke

PHOTOGRAPHY Pete Canning

COLOUR SCANNING & IMAGESETTING
Jon Moore, Simon Windsor, Chris Stocker, and Mark Gover
COLOUR ORIGINATORS Phoenix Repro
PRINTED IN THE UK BY St Ives PLC
NEWSTRADE DISTRIBUTION, UK
Future Publishing 0225 442244
NEWSTRADE DISTRIBUTION, ABROAD
MMC Ltd 0483 211222

YOUR GUARANTEE OF VALUE

This mag comes from Future Publishing, a company founded just eight years ago but now selling more computer magazines than any other in Britain. We offer:

BETTER ADVICE. Our titles are packed with tips, suggestions and explanatory features, written by the very best in the business.

STRONGER REVIEWS. We have a cast-iron policy of editorial independence and our reviews give clear buying recommendations.

CLEARER DESIGN. You need solid information fast. So our designers highlight key elements by using charts, diagrams, summary boxes, and so on...

GREATER RELEVANCE. At Future, Editors operate under two golden rules:
- Understand your readers' needs.
- Then satisfy them.

MORE READER INTERACTION. We draw on readers' contributions, resulting in the liveliest letters pages and the best reader tips. Buying one of our magazines is like joining a nationwide user group.

BETTER VALUE FOR MONEY. More pages, better quality – magazines you can trust.

© 1994 Future PUBLISHING

Member of the Audit Bureau of Circulations.
ABC Registered Circulation **142,326** July – December 1993

No part of this publication may be transmitted or reproduced in any form without the permission of the publishers.

AMIGA FORMAT
30 Monmouth Street,
Bath, Avon BA1 2BW
Telephone 0225 442244
Facsimile 0225 318740
EMAIL ADDRESS
2:250/107.95@FIDONET.ORG
AMFORMAT@CIX.COMPULINK.CO.UK

SUBSCRIPTIONS, BACK ISSUES and MAIL ORDER
Future Publishing, Somerton, Somerset, FREEPOST, TA11 6BR
Telephone 0225 822511, 9am-6pm
Facsimile 0225 822510
CUSTOMER SERVICES
Telephone 0225 822511

LOWEST PRICED TOP QUALITY RIBBONS, INKJETS, TONERS & DISKS

Printer Ribbons

BLACK	1 off	2+	5+	10+
Amstrad DMP 2000/3000	2.80	2.65	2.45	2.25
Amstrad DMP 4000	3.66	3.51	3.31	3.11
Amstrad PCW8256/8512/LQ3500	2.85	2.70	2.50	2.30
Brother M1009/1024/1109/1209	3.90	3.75	3.55	3.35
Citizen 120D/LSP10/Swift 24/9	2.85	2.70	2.50	2.30
Commodore MPS1220/1230	4.50	4.35	4.15	3.95
Epson LQ100	4.10	3.95	3.75	3.55
Epson LQ400/500/800/850	3.45	3.30	3.10	2.90
Epson FX/MX/RX80/FX/LX800	2.90	2.75	2.55	2.35
Epson FX/MX/RX100/FX/MX1000	3.36	3.21	3.01	2.81
Epson LX80/86/90	2.12	1.97	1.77	1.67
Mannesmann Tally 80/81	3.90	3.75	3.55	3.35
NEC Pinwriter P2200	3.03	2.88	2.68	2.48
OKI ML182/183/192/193/195	3.17	3.02	2.82	2.62

BLACK	1 off	2+	5+	10+
Panasonic KXP1123/1124/1140	3.46	3.31	3.11	2.91
Panasonic KXP1080/1180/90/1592	2.89	2.74	2.54	2.34
Panasonic KXP2123/2180	5.75	5.60	5.40	5.20
Seikosha SL90/92/95	5.70	5.55	5.35	5.15
Star LC10/20/100	2.29	2.14	1.94	1.84
Star LC200	3.00	2.85	2.65	2.45
Star LC24-10/200	2.86	2.71	2.51	2.31
Taxan Kaga KP810/815/910/915	3.14	2.99	2.79	2.59
COLOUR				
Citizen Swift 24	12.81	12.66	12.46	12.06
Panasonic KXP2123/2180	10.63	10.48	10.28	9.88
Star LC10/20/100	6.00	5.85	5.65	5.25
Star LC200	9.78	9.63	9.43	9.03
Star LC24-10/200	9.63	9.48	9.28	8.88

Ring for Ribbons Not Listed

Ring us and WE WILL BEAT all other Ribbon prices

3½" Disks & Disk Boxes

	DS/DD	DS/HD
10 Disks	£5	£8
25 Disks	£12	£18
50 Disks	£21	£31
100 Disks	£36	£56
250 Disks	£83	£128
500 Disks	£162	£238

100 Cap. Lockable Disk Box £5.99 with orders of £10+

Preformatted (MS-DOS) disks available at 2p extra/disk.

All Disks Certified 100% Error Free and INCLUDE FREE Labels.

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap.)	24.24 each
HP Deskjet Tri-Colour Cartridge	28.89 each
HP Thinkjet/Quietjet Cartridge	12.13 each
HP Deskjet Tri-Colour Cartridge Refill	16.00 each

Inkjet Refills (Twin Packs) for Canon BJ-10/20, BJ300, HP Deskjet. Available in Black, Cyan, Magenta, Yellow, Red, Blue, Brown, Light Green, Dark Green and Gold.
1 Pack £11.00, 2+ Packs £10.60 ea, 5+ Packs £9.95 ea

HP Laserjet II/III Toner Cartridge	44.51 each
HP Laserjet IIP/IIIP Toner Cartridge	53.14 each

Ring For Inkjets & Toners Not Listed

Miscellaneous Items

Roll 1000 3½" Disk Labels	8.99
3½" Disk Cleaning Kit	2.99
Parallel Printer Cable (1.8m)	3.99
Mouse Mat	2.99
CPU & Monitor Dust Cover	5.49
Monitor Dust Cover	4.99
80 Column Printer Dust Cover	3.99
Amiga 500 Dust Cover	3.99
Amiga 600 Dust Cover	3.99
Amiga 1200 Dust Cover	3.99

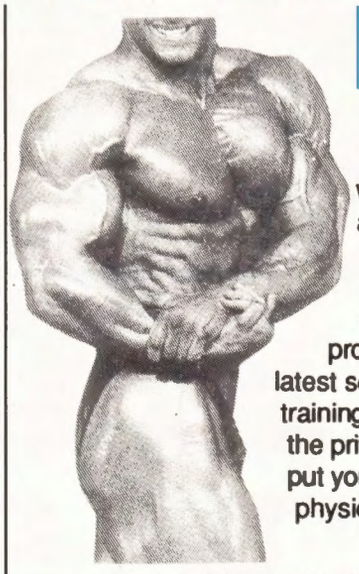
All Prices INCLUDE VAT (@ 17½%) & UK Delivery

0543 250377 **0543 250377**

Ring us or send cheques to:
Owl Associates Ltd, Dept 181, Owl House,
5 The Brambles, Lichfield, Staffs WS14 9SE

Official Government & Educational orders welcome E&OE

BUILD MUSCLES FAST!



NEW! Fast and effective way to build muscles and strength!

MUSCLE DYNAMICS is a 12-week body building programme based on the very latest scientific advances in stength training. Just 35 minutes daily in the privacy of your own home will put you on the road to an amazing physique.

Noticeable results in 28 days guaranteed.
Send for FREE Information Pack.
MUSCLE DYNAMICS,P.O. BOX 70, DOUGLAS, IM99 1EH.
Tel: 0624 801023 (24 hrs)

MUSCLE DYNAMICS,P.O. BOX 70, DOUGLAS, IM99 1EH (AF)
Yes! I want to build muscles fast. Please rush me a FREE information pack!

Name.....BLOCK

Address.....CAPITALS

.....PLEASE

..... Postcode .....

(A stamp for reply appreciated)

ADVERTISERS INDEX

1st Computer Centre	16-17	0532 319444	Express PD	136	0533 887061
17 Bit Software	112	0924 366982	Fernley Associates	154	
Amiga Power	*76-77*	*0225 442244*	*Future Books*	*150-151*	*0225 442244*
Amiga Shopper	*180-181*	*0225 442244*	*Future Music*	*168*	*0225 442244*
Amivision	189,190	0922 414731	*Gamesmaster*	*66*	*0225 442244*
Analogic	178	081 541 4671	Gasteiner	132	081 345 6000
Anglia PD	136	0374 283494	Golden Image	174	081 365 1102
Artworks	147	0469 588138	Ground Zero	135	0272 741462
Atlas Publishing	192	0533 531090	Harwoods	104-107	0773 836781
Brighton Computer Supplies	187	0273 506261	Hobbyte	58-59	0727 56005
Calculus	46-47	0543 251275	Home Software Services	178	0274 882992
CD-32	*82-83*	*0225 442244*	Indi	118, 121	0543 419999
CD Rom	*114*	*0225 442244*	Indi Software Ltd	67	0543 419999
Chalson Computer Products	190	0582 487833	Intermediates	8-9	0279 600204
Chroma Computer Images	190	0328 862693	Kosmos Software	97	0525 873942
Dart Computer Services	88	0533 470059	Krisalis	69	0709 372290
Datagem	146-147	071 608 0624	KT's PD	140	0702 542536
Dätel Electronics	110-111	0782 744707	LCL	147	0491 579345
DGA Software	191	061 330 0184	Lloyds Bank	7	
Digita International	35	0395 270273	Logic Sole	48	0992 625323
Direct Computer Supplies	155	0630 311471	*Market Place*	*188-191*	*0225 442244*
Direct Software	67,89	0908 379550	Matrix Software Club	191	0920 484479
Easy PD	140	0928 731384	Microprose	63	0454 326532
Edge	*34*	*0225 442244*	New Dimensions	88	0291 690933
Epic Marketing	116	0793 512073	NJH PD	191	0702 546796
ESP Software	73	0702 600557	Ocean Software	15, 80-81, 97	061 832 6633
Evesham Micros	124	0386 765500	Owl Associates	194	0543 250377
Exclusive PD	191	0705 642409	PD Soft	139	0702 466933
Planet Data	191	0234 240954			
Phoenix Computer World	30-31	0532 35009			
Post Haste	172	0227 764204			
Power Computing	2-3, 99, 195	0234 843388			
Premier Mail Order	97	0268 271172			
Pure Technology	191	0745 332535			
Reality Software	140	081 749 6964			
Seasoft	142	0903 850378			
Selectafont	187	0702 202835			
Sensational Software	190	0709 851506			
Sierra	50	0734 303322			
Silica Systems	131,161,165,169,177	081 309 1111			
Siren Software	27	061 724 7572			
Snap Computer Supplies	192	0703 457111			
Soccer Star	84	0602 680395			
Softwood Software	115,127,129	0773 836781			
Telescon Computers	191	0253 829792			
The Computer Shop	191	0480 435858			
The Producers	67,79	0800 318576			
The Royal Navy	36-37				
TRC Media	194				
Trilogic	182	0274 691115			
US Gold	54-55	021 625 3388			
Virus Free PD	143	0793 490988			
Walkabout Music	97	0726 813807			
We Serve	173	0705 325354			
Worldwide Marketing Concepts	140	0286 871815			
York Electronic Research	190	0904 610722			

ORIGINALITY WOULD BE A FIRST FOR OUR COMPETITORS

AMIGA GOLD FORMAT AWARD WINNER

PC880B Drive

The new updated PC880B is the most impressive disk drive of its kind on the market. The drive includes a strong aluminium casing, an anti-click device, virus blocker, Cyclone compatible chip and the latest built-in backup hardware which allows X-Copy to copy and verify. What's more you can now control these features through your mouse, so there are no more annoying switches to use.

PC880B with Blitz Amiga **£70**
PC880B with Blitz & X-Copy.....**£80**
PC880B 1.76MB Upgrade....**£49.95**

UPGRADED **pc880b**



seventy POUNDS

Features	PC880B	Amitek
Anti-click	●	●
Anti-virus	●	●
Aluminium extrusion	●	
Sony mechanism	●	●
Isolation switch	●	●
Thru'port	●	●
Upgradable to 1.76MB	●	
Cyclone compatible chip	●	
Built-in backup hardware	●	
Mouse operated	●	

Floptical Drive

The Floptical drive stores 20MB of data on a re-writable 3.5" disk. Available for any Amiga as an internal or external drive (A SCSI interface is required). It also can be used as a standard floppy drive reading both high density and normal floppy disks as well as it's own floptical diskette.

Floptical A2000 Kit.....**£289**
Floptical A500 External Kit **£389**
20MB Floptical diskette **£25**



Syquest drive

The new 3.5" removable hard disk from Syquest stores 105MB on each cartridge, with an accessing time of 17ms. An internal and external version is available. A SCSI controller is required. (SCSI and IDE)

3.5" IDE Internal **£499**
3.5" IDE External **£579**
3.5" SCSI Internal **£539**
3.5" SCSI External **£599**
3.5" 105MB Cartridge **£79**

SCSI/IDE Drives

We can supply SCSI or IDE 3.5"/2.5" hard drives in many different sizes. Including cables and installation software.

80MB IDE 2.5" Internal **£179**
120MB IDE 2.5" Internal **£229**
170MB IDE 2.5" Internal **£270**
52QMB SCSI/IDE **£169**
80MB SCSI/IDE.....**£179**
160MB SCSI/IDE.....**£249**
200MB SCSI/IDE.....**£349**



Dual Drive

Our Dual Drive is packed with the many features of the PC880B including an anti-click device, cyclone compatible chip along with the latest in built-in backup hardware which allows X-copy to copy and verify.

It is the most convenient way of having two drives whilst only using one port. This of course is another original from Power.

Dual Drive **£125**

Power Optical

The Power Optical drive stores 128MB on one 3.5" optical disk, making this product ideal for hard drive backup and memory intensive programs. The Power Optical comes with one optical disk, power supply unit, thru'port, cooling fan and cables.

128MB Optical Internal **£779**
128MB Optical External **£879**
128Mb Optical Disk **£40**
SCSI Controller A2000 .....**£129**



Internal Drives

Power Computing can supply internal replacement drives for the Commodore Amiga.

We use the the same drive mechanisms as Commodore so that you get that kind of reassurance at a cheaper price than other internal drives on the market.

PC881 A500 Internal Drive **£40**
PC882 A2000 Internal Drive **£40**

PC880E Drive

For those of you that don't need the many features of the PC880B, we are always keen to meet the needs of our customers. This drive is a high quality external floppy drive at a fraction of the price.

As with all of our drives, the PC880E has a thru'port, disabling switch and 12 month guarantee.

PC880E Economy Drive **£49.95**



XL Drive

The XL Drive can be used with any Amiga Computer, and allows you to store a massive 1.76MB on a high density floppy diskette. The drive can also act as a standard 880K drive and can read and write disks written on an A4000 internal high density drive. XL Drive requires Kickstart 2 or above.

XL Drive External **£89.95**
XL Drive Internal (All Amigas*) ..**£79.95**
XL Drive Internal (A4000) ..**£89.95**

For more information or to place an order please telephone 0234 273000 or fax 0234 352207

Goods are sold subject to our standard terms and conditions of sale and are available on request. Specifications and prices are subject to change without notice, and all trademarks are acknowledged. All Power Computing Ltd products come with a back to base 12 month guarantee. Prices are valid for the month of publication only. E & OE.

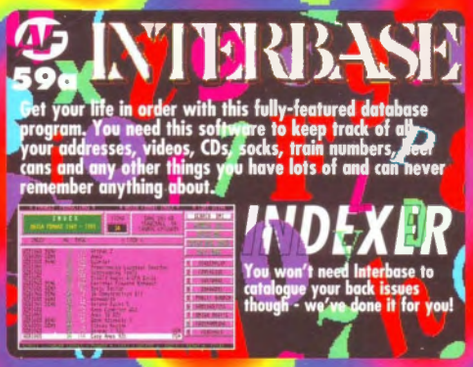
Power Computing Ltd
44a/b Stanley Street Bedford MK41 7RW

Delivery prices are as follows, and are subject to stock availability
Next day delivery **£5.00** 2-3 days delivery **£2.50**
Saturday delivery **£10.00**

All prices include VAT *Does not include the Amiga A4000
Technical helpline is available from 2-5.30pm, 0234 841882

AMIGA FORMAT

ON THIS MONTH'S COVERDISKS







ON DISK 59 A

A complete solution for all your data storage problems as we give you not one, but two astounding data storage and retrieval packages.

INTERBASE If you have a database, check out how much more advanced Interbase is. If you haven't, now is the chance to store all your important data easily and efficiently.

INDEXER A comprehensive list of more than 50 issues worth of features and reviews from Amiga Format can be accessed with a few clicks of the mouse thanks to this great program.







ON DISK 59 B

It's death-or-glory action all the way with these two devastatingly bloodthirsty demos. Power up those weapons now.

SYNDICATE An exclusive preview of Bullfrog's American Revolt missions disk. Can you rescue one of our agents against overwhelming odds?

CALEPHAR Give those alien devils a good pummelling with this horizontally-scrolling shoot-em-up from newcomers Future Software.