Issue 95 ■ January ■ 1996 ■ £4.50 Overseas price £4.50 Hfl 20

AMIGA COMPUTING

Beginners Start Here

Invaluable programs for first time users

Future

investigations

We start the new year with an in-depth look at the future of the ultimate machine

PLUS

- Personal Suite
- AsimCDFS
- Digital Universe
- A600 accelerator
- Magic User Interface 3
- Lightwave CDs
- Digita Organiser 2

IDG MEDIA
9 770959 963084 01

floppy drives

3.5 super xl drive

The Super XL Drive allows you to store 3.5MB on a high density disk.

3.5 SUPER XL DRIVE **£129.95**

1.76 xl drive

The XL Drive allows you to store a 1.76MB on a high density disk.

1.76 XL DRIVE EXTERNAL ... **£79.95**
1.76 XL DRIVE INTERNAL **£75**
1.76 XL DRIVE A4000 ..... **£75**
PC880B EXT.POWER DRIVE .. **£49.95**

internal drives

PC881 A500 ..... **£30.95**
PC882 A2000 ..... **£35.95**
PC883 A600/1200 ..... **£35.95**

hard drives

HEWLETT PACKARD

1 GIGABYTE 3.5 SCSI **£459**

MICROPOLIS

2 GIGABYTE 3.5 SCSI **£659**
4 GIGABYTE 3.5 SCSI **£1099**
9 GIGABYTE 3.5 SCSI **£2199**

HITACHI

340MB 2.5 IDE **£189**
510MB 2.5 IDE **£299**
810MB 2.5 IDE **£599**
1 GIGABYTE 2.5 IDE **£719**

OTHERS

80MB 2.5 IDE **£70**
120MB 2.5 IDE **£95**

m-tec hd

External IDE hard disk for the A500 comes complete with an internal ROM switcher, and upgradable to 4MB RAM

M-TEC AT500 BARE **£99**
M-TEC AT500 420MB **£259**
MEMORY REQUIRES 30-PIN SIMMS

floppy expander

Save 1.5MB on a standard floppy drive and 3MB when used in conjunction with the XL Drive 1.76.

FLOPPY EXPANDER **£10**

disk expander

Disk Expander can add upto to 50% to your hard drive capacity and works with all drives including SCSI, IDE, Floppies and even the RAM disk. Disk Expander works on any Amiga with any Kickstart.

DISK EXPANDER **£25**

overdrive hd

External PCMCIA 3.5" IDE hard disk

OVERDRIVE BARE **£99**
OVERDRIVE 420MB **£259**

dat drives

2 TO 4 GIGABYTE **£659**
4 TO 8 GIGABYTE **£899**
2 TO 4 CARTRIDGE DL90 ..... **£12**
4 TO 8 CARTRIDGE DL120 ... **£19.95**

optical drives

128 OPTICAL **£479**
230MB OPTICAL **£719**
1.3 GIGABYTE OPTICAL **£1999**
230MB OPTICAL DISK **£29.95**
1.3 GIGABYTE DISK **£139.95**

external cases

SCSI case suitable for CD-ROM/HD/DAT and Optical drives.

5.25" SCSI or IDE CASE **£79.95**
3.5" SCSI or IDE CASE **£79.95**

zip drive new

ZIP DRIVE 100MB SCSI **£179.95**
100MB DISKETTE **£15.95**
ZIP DRIVE REQUIRES SQUIRREL SCSI INTERFACE

video backup 3

Backup to 520MB onto a 4hr VHS tape. Version 3 has new backup modes for Amiga's with a 68020 or higher CPU.

VIDEO BACKUP SCART **£65**
VIDEO BACKUP PHONO **£60**
UPGRADE TO VERSION 3 ..... **£20**

hisoft

SQUIRREL SCSI INTERFACE ... **£59.95**
AURA **£79.95**
MEGALOSOUND **£29.95**
VIDEOMASTER AGA **£59.95**
VIDEOMASTER AGA RGB **£99.95**
VIDEOMASTER **£52.95**
VIDEOMASTER RGB **£89.95**
COLOURMASTER **£52.95**
PROMIDI INTERFACE **£19.95**

squirrel scsi interface included where you see this logo

chips and spares

256 x 32 SIMM 72-PIN (1MB) **£40**
512 X 32 SIMM 72-PIN (2MB) **£75**
1 X 32 SIMM (4MB) **£139**
2 X 32 SIMM (8MB) **£279**
4 X 32 SIMM (16MB) **£449**
1 X 8 SIMM 32-PIN (1MB) **£30**
4 X 8 SIMM 32-PIN (4MB) **£139**
1 X 4 STATIC COLUMN A3000 .... **£25**
1 X 4 DIP **£25**
256 X 4 DIP **£5**
1 X 1 DIP **£5**
CIA **£12**
GARY **£19**
PAULA **£19**
DENISE **£19**
SUPER DENISE **£25**
KEYBOARD IC **£12**
FAT AGNUS 1MB **£19**
FAT AGNUS 2 MB **£29**
PRINTER CABLE **£6**
RS232 CABLE **£6**
SCSI EXTERNAL **£15**
WORKBENCH 3.1 A500/2000 .... **£85**
WORKBENCH 3.1 A3000/4000 ... **£95**
ROM SHARE DEVICE **£19**
2.04 ROM CHIP **£25**

power scanner

The award winning Power Scanner includes the following features: Scan in 24-bit at upto 200DPI (all Amigas not just AGA)*, Scan in 256 greyscales at up to 400DPI (all Amigas), Thru'port for printer connection, Fully supports AGA chipset, Display HAM8/24-bit images on a non-AGA Amiga (via image conversion), full editing facilities included. Works with 2.04 ROM or above, min 1MB (recommend 2MB).

POWER SCAN 4 B/W **£89.95**
POWER SCAN 4 COLOUR **£169.95**
OCR (BOUGHT WITH SCANNER) **£20**
OCR SOFTWARE **£49.95**
POWER SCAN 4 S/W ONLY .. **£20**
PC INTERFACE + COL S/W . **£49.95**
PC INTERFACE + B/W S/W . **£39.95**

flatbed scanners

24-bit A4 flatbed scanners, complete with software, cables and manual.*

EPSON GT-8500 ..... **£579.95**
24-BIT, INC. POWERSCAN SOFTWARE
EPSON GT-9000 ..... **£729.95**
24-BIT, INC. IMAGE FX REV. 1.5 SOFTWARE
ADPRO SOFTWARE **£149.95**
IMAGE FX 2.0 S/W **£149.95**

*EPSON SCANNERS DIFFER FROM ONE SHOWN

amiga 4000

a4000 tower new

The tower comes complete with 6 x 5.25" drive bays, 5 x 3.5" drive bays, 7 x Zorro slots, 5 x PC slots, real time clock and a 230 watt power supply.

A4000 TOWER **£349**

octogen scsi-2

SCSI-2 controller card for the Amiga 2000/4000. Upgradable to 8MB RAM.

OCTOGEN 2008 ..... **£129**

aga flicker fixer

ScanDoubler II is a full 24-bit AGA flicker fixer which automatically de-interlaces all AGA screen modes and scan doubles non-interlaced PAL/NTSC modes to allow VGA monitors to display them. Supports VGA, S-VGA and Multiscan monitors. Pixel sharp picture, even at 1440 horizontal resolution and has a standard 15-pin VGA type connector. Comes with composite video/S-VHS outputs.

SCAN DOUBLER II **£399**

tandem cd-de

Connect a CD-ROM, Syquest and any IDE hd to your A2000/3000/4000. Comes complete with cable and s/w. ROM 2.04 or above.

TANDEM CD-DE **£69**

award winning amiga peripheral manufacturers .....

GVP

gvp products

Power Computing Ltd are now the official joint owner and manufacturer of Great Valley Products Inc. For more information, please call 01234 273000.

a4000 68060

A 68060 accelerator board for the A4000 running at 50MHz and allowing upto 128MB of user installable memory and a SCSI-II hard disk controller. The board can be configured with either 4MB, 8MB, 16MB or 32MB industry standard SIMMs.

A4000 68040 (0MB RAM) **£699**
A4000 68060 (0MB RAM) **£829**
4MB STANDARD ADD **£139**
4MB GVP ADD **£159**

a2000 68060

A 68060 accelerator board for the A2000 running at 50MHz and allowing upto 128MB of user installable memory and a SCSI-II hard disk controller.

A2000 68040 (0MB RAM) ....**£TBA**
A2000 68060 (0MB RAM) ....**£TBA**
4MB STANDARD ADD **£139**
4MB GVP ADD **£159**

gvp ram

Official GVP RAM SIMMs.

4MB GVP RAM **£159**
16MB GVP RAM **£549**

gvp hc-8 scsi

SCSI hard card which can fit 8MB of RAM on-board.

HC-8 SCSI CARD **£99**

gvp g-lock

Award winning Amiga Genlock.

G-LOCK AMIGA GENLOCK **£259**
DSS-8 SOUND SAMPLER **£55**

io-extender

Zorro II card that provides an additional serial port, parallel port and connection for optional RS422 and RS232 port. Call for details

ioEXTENDER **£59**

a500 68020ec

A 68020 EC processor accelerator card for the A500 and A500+, with an option to fit a 68881 or 68882 co-processor (PLCC or PGA). This card can fit upto 4MB FAST RAM and is fully auto-configuring.

NOT COMPATIBLE WITH GVP HARD DRIVE

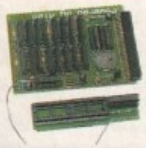
A500 68020 EC 0MB RAM ...**£99.95**
A500 68020 EC 4MB RAM ...**£239.95**

megachip ram

Increase your Amiga 500/2000 chip RAM to a total of 2MB. MegaChip does this by using its own 2MB RAM and also now includes a 2MB Fat Agnus. No soldering is required.

MEGACHIP RAM **£159.95**

VGA ADAPTOR **£15**



a500 2mb ram

A 2MB RAM board for the A500 which fits in the trap door slot.

A500 2MB RAM **£90**

MEMORY CARDS

512K RAM WITH CLOCK **£24.95**
512K RAM WITHOUT CLOCK .**£19.95**
A600 1MB RAM **£39.95**
A500+ 1MB RAM **£29.95**

emulation

Mac and PC emulators for the Amiga.

EMPLANT MAC BASIC **£239.95**
BASIC MAC EMULATOR
EMPLANT MAC OPTION A ..**£279.95**
DUAL SERIAL PORT AND APPLETALK
EMPLANT MAC OPTION B ..**£279.95**
HI-SPEED SCSI INTERFACE
EMPLANT MAC DELUXE ...**£399.95**
INCLUDES OPTION A AND B
E586 DX MODULE **£89.95**
PC EMULATOR MODULE

new

glidepoint

Intuitive cursor control at your finger tips replaces the mouse or trackball and 'Tap' for an instant selection.

ALPS GLIDEPOINT **£59.95**

new

power tablet

Pen and cursor controlled graphic tablet, including cables and software.

POWER TABLET 12 X 12 .**£195.95**
INCL. PEN, CURSOR AND POWER TAB S/W

modems

ACEEX V32 BIS 14.4 NOT BT APPROVED**£139**
X-LINK TRUE V34 28.8 BT APPROVED**£229.95**
TRAPFAX MODEM SOFTWARE ...**£49**
ALL MODEMS INCLUDE SOFTWARE AND CABLES

printers/monitor

MICROVITEC 1438 14" **£289**
EPSON STYLUS INC.PAPER **£489**
EPSON STYLUS PRO XL A3+ ..**£1499**
EPSON STYLUS/PRO XL INCLUDE STUDIO II SOFTWARE
STUDIO II SOFTWARE **£49.95**

graphic/video

PICASSO II 2MB RAM **£249.95**
INCLUDING TV PAINT JNR.
PICASSO II 2MB RAM **£399.95**
INCLUDING TV PAINT 2
CYBERVISION 64 .....**£329.95**
64-BIT GRAPHICS ENGINE, INCLUDES 2MB
VIDEO DAC **£25**
18-BIT GRAPHICS ADAPTOR
MAXIGEN 3 .....**£299.95**
VIDEO GENLOCK

order form

phone orders
We accept most major credit cards and are happy to help you with any queries.

postal orders
Ordering by cheque/PO please make payable to **Power Computing Ltd** and specify which delivery is required.

warranty
All Power products come with a 12 month warranty unless otherwise specified.

technical support
Help is on hand with a full Technical Backup service which is provided for Power customers.

mail-order prices
All prices listed are for the month of publication only, call to confirm prices before ordering.

export orders
Most items are available at Tax Free Prices to non-EC residents. Call to confirm prices. BFPO orders welcome.

mail-order terms
All prices include VAT. Specifications and prices are subject to change without notice. All trademarks are acknowledged. All orders in writing or by telephone will be accepted only subject to our terms and conditions of trade, copies of which are available on request.

NAME .....
ADDRESS .....
.....
.....
.....POSTCODE .....
TELEPHONE NO. .....

SYSTEM OWNED .....
DESCRIPTION .....
.....
.....
.....
TOTAL AMOUNT (inc. delivery) £ .....

CREDIT CARD NO. .....
EXPIRY DATE .....SIGNATURE .....

DELIVERY 2-3 DAYS £2.50 ☐ NEXT DAY £5 ☐ SAT £10 ☐

MINIMUM DELIVERY £2.50 ALLOW UP TO 7 DAYS FOR CHEQUES TO CLEAR

..... for product information sheets please call .....

TELEPHONE 01234 273000
FACSIMILE 01234 352207
POWER COMPUTING LTD
44A/B STANLEY STREET
BEDFORD MK41 7RW

.power

Contents

SYSTEM

SYSTEM NEWS 88
Do you want to know about all the latest happenings in the Amiga World, well you might find out here. Take a look, go on... We don't bite!

LEADING LAP 92
We review Kellion Software's 3D racing game, to please all the fans of Microprose's Formula One Grand Prix

PINBALL MANIA 96
If anymore Pinball games arrive on the Amiga, someone could open up a little Pinball shop? Hmm, that'd be nice

COALA 98
After presenting you with two Pinball games, we are now going to present you with a bumper crop of Helicopter games! Well, two actually

TEAM 102
'Probably the best football game ever!' Right, only if they set fire to every other football game in the world... probably!

CITADEL 104
Another Doom game! Hurrah, such excitement. At least we'll all be experts soon

THOMAS THE TANK ENGINE 106
Ringo Starr's japery returns to grace the Amiga screens – only he doesn't really make an appearance, so I lied. Sorry

REVIEWS

MUI 3 29
The software responsible for countless Amiga make-overs gets its own facelift

PERSONAL SUITE 30
A one-stop-shop for typography, painting, writing and data storage

DIGITA ORGANISER 35
Digita's quest for order in the chaotic Amiga world continues

DIGITAL UNIVERSE 64
Terrestrial bodies, the latest in astrological software on test

APOLLO 620 72
An accelerator that can breath new life into a tired A600

LIGHTWAVE CDS 74
The add-ons just keep on coming for the ultimate in Amiga 3D

ASIM CDFS 77
The all singing, all dancing CD file system gets an impressive upgrade

FEATURES

LASER GUIDANCE 20
The search for the ultimate Amiga CD continues

HEALTH & HOSPITALS 24
Tina Hackett investigates the Amiga's roll within the hard pressed NHS

LOOK AHEAD 40
We talk to the gurus and ask what awaits the Amiga in 96

COLOGNE REPORT 42
An exclusive report from Europe's premier Amiga show

POWERPC 48
The inside story on the chip that's set to revolutionise the Amiga

UNDERCOVER 78
AC takes to the streets in search of a sales pitch that really sells

BEGINNER'S GUIDE 67
The A1200 is back. Enter the beginners' guide. Essential stuff for any Amiga newbie

THE COVERDISKS

BEGINNERS SPECIAL

A must-have collection of tools and utilities for all Amiga newbies. Improve and power up every aspect of the Amiga's Workbench with this great group of programs. Each one has been hand picked, to provide you with only the premium selection.

A full set of Data Types and utilities for you to view glorious graphics

Over 20 programs and more than 4Mb of data squeezed onto both disks including:

MultiCX 2.24, SwazInfo, ToolManager 2.1a, MagicMenus, Cycle To Menus, PowerSnap, ClassAction, WBAlias, Installer and Lha.

DiskSalv, FastView 2, KingCON, ScreenClock, SYSiHack, Devs Manager, Virus Checker, ASL v42, Calc Deluxe and Data Type collection.

REGULARS

US NEWS 8
A marketing angle from Amiga Technologies – but only just

NEWS 10
The show season brings some surprise announcements from the States

LETTERS 53
Flaming pens and fiery prose as the readers drive the point home

PUBLIC SECTOR 56
The bargain basement. Everything must go in the Dave Cusick closing down sale

ACAS 60
The techie questions put to the sword by our ubiquitous systems guru

AMIGA GUIDE

medical Shock, horror! Yet more insider info on the finer points of formatting 112

assembler Paul Overaa reveals why assembler is the only choice for Amiga coders 115

arexx The inside story on the ARexx talents of our old friend Ed 117

comms Phil South logs-on and looks around for the very best in on-line imagery 119

publishing The mysterious Mr Nord explores the uncharted depths of copyright law 121

amos The hints and tips continue in Phil South's Amos anthology 123

music The hardware solution to the patching problem auditioned by Mr Overaa 125

2D paint Steve White explores the explosive side of 2D special effects 127

video The concluding chapter in Gary Whiteley's inside guide to typefaces 129

COVER STORY

FUTURE AMIGA 44

This month *Amiga Computing* puts its plans on the table for an all new Workbench. Could this be the shape of things to come and perhaps even the ultimate operating system?

SUBSCRIPTIONS

For details of *Amiga Computing's* subscription offers turn to page 83

CLOCK CARTRIDGE

Our unique and highly rated external Clock Cartridge will enable your Amiga to continually store the correct time and date in its own battery backed memory.
Simply plugs onto the back of the Amiga and does not invalidate the warranty.
Compatible with ALL Amigas

ONLY £19.99
(plus £1.00 postage and packing)

MEMORY EXPANSIONS

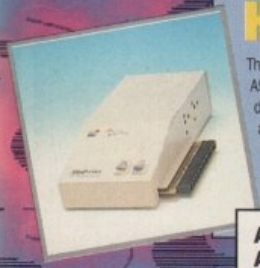
A1200 trapdoor fitting memory expansions feature a battery backed clock and a socket for an accelerator FPU.

A600 MEMORY EXPANSIONS
1MB WITHOUT CLOCK £34.99
1MB WITH CLOCK £39.99

NEARLY DOUBLES THE SPEED OF THE A1200

2mb £114.99
4mb £174.99
8mb £284.99

A500 & A500+ HARD DRIVES



These hard drives simply push onto the side of the A500 or A500+ and will give your computer all the benefits that hard drives offer. The drives are supplied formatted, partitioned and have Workbench installed for immediate use.
Full instructions and software supplied.
The hard drive also has the facility to add 2, 4, 6 or 8mb of RAM inside it.

A500/+ 170mb HARD DRIVE £189.99
A500/+ 425mb HARD DRIVE £229.99
Additional RAM for the hard drive £89.99 per 2mb

DATAFLYER SCSI+

Now includes CD ROM drivers and instructions.

The Dataflyer is a 16 bit SCSI II controller card that converts the signals on the internal IDE interface to also run SCSI devices at the same time as the IDE hard drive.

The Dataflyer SCSI+ will operate upto 5 SCSI devices such as CD-ROMS, hard drives, SyQuest removeable drives, tape back up drives etc.
Unlike other SCSI interfaces, the Dataflyer SCSI+ is compatible with all known accelerators etc and it does not stop you from utilising any of the important expansion ports on your A1200/A600.
The Dataflyer SCSI+ easily installs into the A1200/A600 (simply pushes in, no need to remove the metal shield) and provides a 25 way D connector through the blanking plate at the back of the A1200.
Full instructions and software supplied.

DATAFLYER SCSI+ ONLY £69.99
SQUIRREL SCSI INTERFACE ALSO AVAILABLE £59.99
PCMCIA fitting SCSI interface

DISCOLOGY

Discology is the ultimate in disk copying power for the Amiga. The package comprises the Discology Disk, manual and Discology cartridge for making copies of heavily protected programs with an external disk drive. Discology will also format disks, check disks for errors etc.
PLEASE PHONE FOR A FULL INFORMATION SHEET

AMAZING SPECIAL OFFER

£19.99 EACH
OR BUY BOTH FOR £24.99

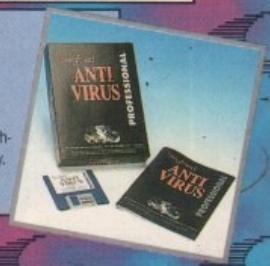
ANTIVIRUS

Anti Virus Professional is the most powerful tool for detecting and removing viruses. Anti Virus pro will check and device hard drives, floppy disks and *even CD ROM drives* for viruses. Very straight forward to use, includes a full 50 page manual.

ORDER NOW BEFORE A VIRUS DESTROYS YOUR SYSTEM !!!

PLEASE PHONE FOR A FULL INFORMATION SHEET

SCSI HARD DRIVES



High speed 3.5' Quantum SCSI hard drives with or without a high quality enclosure with its own power supply.

420mb £214.99
540mb £239.99
850mb £284.99
INTERNAL VERSIONS DEDUCT £54.99

CASES

External cases with in built power supplies and cooling fans for 3.5' hard drives and CD ROM drives.

3.5' HARD DRIVE CASE £54.99
CD ROM DRIVE CASE £59.99

A1200 IN STOCK

FROM £299.99

WORKBENCH 3.1

Include the appropriate Workbench 3.1 ROMS, disks, manuals and fitting instructions.

Bring your Amiga into us for fitting for **ONLY £10.00**

WORKBENCH 3.1
for A500/1500/2000 only £89.99
for A1200/3000/4000 only £99.99

SIMMS AND FPUS

72 pin simms suitable for Apollo accelerators, A4000, A1200 memory expansions etc.

1mb £39.99
2mb £77.99
4mb £129.99
8mb £239.99

33mhz 68882 FPU (plcc) £49.99
40mhz 68882 FPU (plcc) £69.99
50mhz 68882 FPU (PGA) £79.99
All FPU's are supplied with crystal oscilators

ZIP DRIVES & EZ DRIVES

Phone for prices and availability

SPEEDCOM MODEMS

Our highly rated, top quality feature packed modems are ideal for Amiga users. All modems include our **FREE MODEM ACCESORIES PACK (worth £19.99)** which includes a cable to connect the modem to the Amiga, NCOMM comms software, Amiga Guide to Comms and a list of Bulletin Boards from which you will be able to download vast amounts of free software as well as have access to E-MAIL facilities.

- MNP 2-4 Error Correction
- MNP 5 Data Compression.
- Fax Class I and II compatible, Group 3
- Hayes Compatible
- Full 80 page manual
- 12 Months guarantee

SPEEDCOM+B (14,400 V32bis) £89.99
SPEEDCOM+BF (28,800 V34) £169.99

2.5' HARD DRIVES

Our high speed 2.5' IDE hard drives for the Amiga A1200 & A600 computers come complete with fitting cable, screws, partitioning software, full instructions and 12 months guarantee. All drives supplied by us are formatted, partitioned and have Workbench (WB2 for the A600 and WB3 for the A1200) installed for immediate use. Fitting is incredibly simple; if you can plug the mouse into the mouse socket, you will be able to plug the hard drive into the hard drive socket.

PLEASE PHONE FIRST!

FREE 'HOW TO FIT YOUR HARDDRIVE' video and Stakker disk to increase the drive's capacity with every hard drive ordered

FREE WHILE-YOU-WAIT FITTING SERVICE FOR PERSONAL CALLERS

85mb £89.99
120mb £104.99
170mb £119.99
250mb £139.99
340mb £174.99
540mb £284.99

SCSI CD ROM DRIVES

MEDIAVISION 'RENO'

Double speed CD ROM DRIVE complete with power supply, SCSI cables, docking station and full instructions. Also includes stereo headphones and carrying case for use as personal CD player.

IDEAL CHRISTMAS PRESENT

RENO CD
WITH SQUIRREL £174.99
WITH DATAFLYER £174.99

AIWA ACD-300

Top of the range external CD ROM drive. Suitable for use with any SCSI interface. Ideal with the

AIWA ACD-300
ONLY £167.49 OR
WITH SQUIRREL £209.99
WITH DATAFLYER £209.99

CHINON CDROM

Superb high quality, low cost Chinon external SCSI CD ROM drive in a top quality fan cooled case or available as an internal unit.

CHINON CDS435
INTERNAL £79.99
EXTERNAL £109.99
EXTERNAL WITH SQUIRREL £154.99

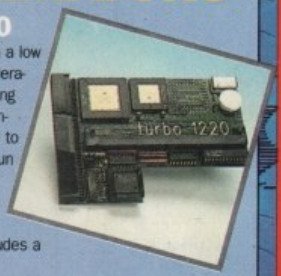
QUAD SPEED CDROM DRIVE

Amazing value quad speed external SCSI CD ROM drive in a top quality enclosure.

PANASONIC QUAD SPEED EXTERNAL WITH SQUIRREL OR DATAFLYER
ONLY £239.99

APOLLO A1200 ACCELERATORS

APOLLO 1220



Amazing power for such a low price. This superb accelerator uses a 68020 running at 28hz and comes complete with a 68882 FPU to enable your A1200 to run at 5 MIPS (million instructions per second)! Uses standard 72 pin SIMMS and includes a battery backed clock. Simple trapdoor fitting.

APOLLO 1220 ONLY £99.99
APOLLO 1220 +1mb £139.99
APOLLO 1220 +4mb £229.99

APOLLO 1232/50

An incredibly powerful trapdoor fitting accelerator based around a 68030 complete with MMU, 2 SIMM sockets (72 PIN SIMMS), socket for a floating point unit and battery backed clock. Runs at just under 9.5 MIPS (million instructions per second!)

APOLLO 1232/50 £199.99
4mb SIMM £129.99
8mb SIMM £239.99
68882 FPU £69.99

APOLLO A620

Internally fitting A600 Accelerator features 68020 and FPU both running at 28MHZ. 72 pin simm socket for up to 8 Mb of FASTRAM. Easy fit, makes your 600 faster than a 3000!!

NEW PRODUCT

APOLLO A620
ONLY £134.99
+ 2MB £199.99
+ 4MB £264.99

siren

No.1
FOR MAIL ORDE

No.1
FOR AMIGA
IN MANCHESTE

Order NOW for immediate despat

FREEPHONE
0500 34054
(credit/switch card sales on

tel: 0161 796 527
for enquiries or
fax: 0161 796 320

Send cheques or postal orders (made payable to Siren Software) or credit card details to

SIREN SOFTWARE,
178 BURY NEW R
WHITEFIELD, MANCHESTER M45 6QF, ENGLAND

Access, Visa, Switch, Delta Connect etc accepted

OPEN:

Monday to Friday 9am to 6p
Saturday mornings 9am to 12

Personal callers welcome.
Please phone first t check availability of any item.

DIRECTIONS:

From the M62 Junction 1 head towards Bury. We are 50 yards on the right hand side afte the third set of lights. The door to our premise is next to the florists opposite the Masons Pub.

All prices include VAT. Postage and packi will be charged at £3.50 per order (U.K. £7.50 Europe and £12.50 rest of the wo

Back in the USA

USA news

by **Denny Atkin**

It's good news for the Amiga's revival here in the States – Escom/Amiga Technologies were present at the giant COMDEX computer show held in Las Vegas, Nevada in November with a small booth at the corner of the Virtual i/o i-Glasses pavilion. It was a bit understated, unlike the rather large booths of the past when Commodore chose to exhibit at the show, but it was nice to see a presence at all.

Unfortunately, there wasn't much there to dazzle the crowd. An A4000T with the new 060 board was on display, but there was no software loaded on it. Another A4000T displayed the capabilities of a Picasso board, but this was certainly nothing to write home about at a show where PC vendors were showing new $300 3D graphics cards that made Pentium games look like they were running on Silicon Graphics workstations. Between the units were a few A1200s running Pinball Illusions.

In one respect, the display was terribly disappointing. Despite the fact that Amiga hardware and OS development has remained stagnant for over two years now, there are plenty of applications and gadgets that Amiga Technologies could have loaded onto the machines to show that the Amiga is still a force to be reckoned with, one that can hold its own against the newest Pentium machines for many applications. But they missed that chance, with a bunch of machines showing Workbench screens and pinball games.

On the other hand, this time last year Amiga owners thought they would never see an Amiga at COMDEX ever again, so it was a refreshing surprise to see the company making any kind of effort – however disappointingly executed – to get back into the North American market.

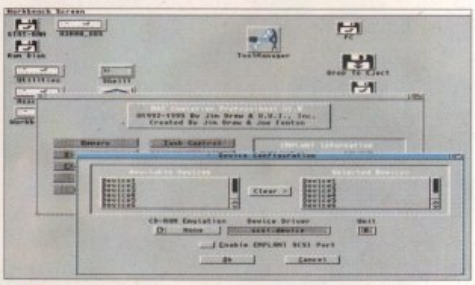
EMPLANT ENHANCED

Utilities Unlimited have announced MAC Emulation Professional, a rewritten and enhanced version of the Macintosh emulation software for the Emplant board. UU promises that the new code is smaller and faster than previous versions, and a new interface caps it off. The original software will continue to be updated to incorporate bug fixes, but I'd look to the Professional version for new features.

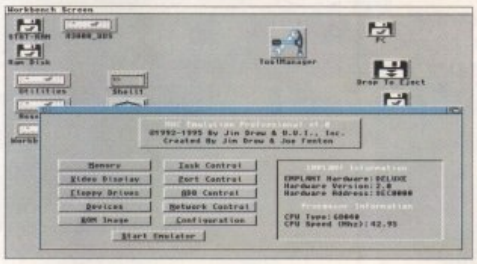
The update costs $34.95, which isn't unreasonable when you consider that UU's Jim Drew has been providing free updates to the Mac emulation since the Emplant board's initial release. The update includes a new driver disk, updated documentation, and a replacement custom logic chip for the Emplant board that will allow UU to provide on-line updates for registered MAC Emulation Professional owners.

Among the new features is a completely revamped user interface that follows the Amiga User Interface Style Guide. The emulation software now opens on a Public Screen instead of a custom one, and the program now uses ASL file requesters. If you're running AmigaOS 3.0 or later, you'll even have access to on-line help.

In the past, Emplant used 256K Mac ROMs, which had the advantage of being inexpensive, but the disadvantage of being difficult to find. The Professional emulation supports all known 512K and 1Mb colour ROMs designed for 680x0 Macintoshes, including ROMs from the Mac II, IIx, IIcx, IIci, IIsi, LC, LC II, LC III, Colour Classic, and Quadra 700-950. All ROMs will work with caches enabled.



The completely rewritten MAC Emulation Professional module for Emplant sports an Amiga User Interface Style Guide-compliant user interface



A huge improvement for folks using the Mac emulation for professional work is support for virtual memory. If you have access to an Ethernet network, you can connect your Emplant-equipped Amiga to it using a SANA II-compliant Ethernet card. You can also now use Mac CD-ROMs even if your CD-ROM drive isn't connected to the Emplant SCSI port.

SMOOTHER RUNNING

The Mac OS has been patched so it won't constantly busy-loop, which should make the Amiga side run smoother during emulation sessions. Drew also says he's eliminated the serial port lockups that used to sometimes occur on the Amiga side. Other improvements include enhanced video driver support with more colours and larger screen sizes, better file-transfer capabilities (you can now set filetype and creator, as well as filter files by name), and enhanced sound support. The new custom logic chip serves as more than just copy protection: it improves bus timing, boosting performance and reliability of EMPLANT's VIA interrupts, serial communications, and SCSI operations.

For more information, write to Utilities Unlimited International, 3261 Maricopa #101, Lake Havasu City, AZ 86406; call (520) 680-9004, or fax (520) 453-6407. You can also check the new official Emplant web page at http://www.mag-net.co.uk/Bsoft.

DIGITAL SPACE

The Digital Universe is an astronomy program for the amateur or professional observer. It combines the advantages of traditional 'planetarium' programs with a massive hypertext multimedia encyclopaedia to create an effective tool which assists the user in observing and learning about the heavens. Fifty thousand lines of code, more than 700 pages of hypertext, and thousands of man-hours have gone into this product to make it the most complete program of its class.

The software was created with assistance from the Canadian Space Agency, the National Research Council of Canada, NASA, JPL, NORAD, the European Space Agency, the Bureau des Longitudes, the Smithsonian Astrophysical Observatory, the Russian Academy of Sciences, and several other organisations worldwide, so it should be extremely thorough. For a full review of Digital Universe see page 64 of this issue and you can also access the web browser on http://www.syz.com/ for full info and a demo version.

Roam the skies with Digital Universe

discover DISCOLOGY

Europe's No.1 Disk Duplication System

Discology is the optimum package for beginners & experts alike who wish to create back-up copies of original floppy disks speedily and easily.

Siegfried DISCOLOGY

- Included is the Discology disk, Discology Cartridge and a 36 page printed manual
- Features a cartridge backup mode for heavily protected disk (Requires the use of an external disk drive)
- Two Nibble modes for coping with protected IBM and Atari disks
- Sync Scan checks for unknown protection systems
- Recognition of long and short tracks
- Modem users can backup disks via a modem to another Amiga anywhere in the world
- Fully multi-tasking, copies with high density disk etc
- Full update service is available for registered users

Discology comprises all the functions that are demanded from a top quality back-up program.

DISCOLOGY is available NOW

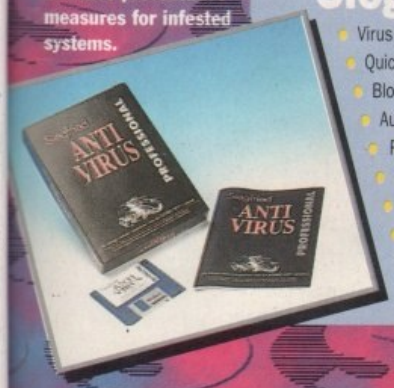
PRICE £19.99
(plus £1.50 for postage and packing)

Telephone for a FREE full information sheet

Special offer for readers of Amiga Computing

Half price offer reduced from £39.99 to £19.99 or buy both together for an amazing £24.99!!

Siegfried Anti Virus Professional is a multifunction tool for combating virus attacks. It features powerful early recognition of viruses and includes preventative measures for infested systems.



Siegfried ANTI VIRUS

- Virus search on any device (Hard disk, floppy disk CD-ROM etc.)
- Quick tracing of link and file viruses etc.
- Block Test to search for viruses at the block level of a device
- Automated unpacking of compressed programs for virus checking
- Recognition of Bootblock Viruses with analysis
- Safeguards hard drives Rigid Disk Blocks
- Includes a comprehensive 50 page printed manual
- Full update service to registered users

Includes many more features.

ANTI VIRUS is available NOW

PRICE £19.99
(plus £1.50 for postage and packing)

Telephone for a FREE full information sheet

siren

No.1 FOR MAIL ORDER

No.1 FOR AMIGA IN MANCHESTER

Order NOW for immediate despat

FREEPHONE 0500 340548
(credit/switch card sales only)

tel: 0161 796 5279
for enquiries or
fax: 0161 796 320

Send cheques or postal orders (made payable to Siren Software) or credit card details to:

SIREN SOFTWARE, 178 BURY NEW R WHITEFIELD, MANCHESTER M45 6QF, ENGLAND

Access, Visa, Switch, Delta Connect etc accepted

OPEN:

Monday to Friday 9am to 6p
Saturday mornings 9am to 12

Personal callers welcome.

Please phone first to check availability of any item.

DIRECTIONS:

From the M62 junction 1 head towards Bury. We are 50 yards on the right hand side after the third set of lights. The door to our premises is next to the florists opposite the Masons Pub.

All prices include VAT. Postage, and packing will be charged at £3.50 pe order (U.K.), £7.50 Europe and £12.5 rest of the world.

news

By Tina Hackett

SHOW STOPPERS

The Cologne Developers conference – key figures from the company were on hand to convince everyone of a rosy future

The future of the Amiga is alive and kicking if the announcements at the latest computer shows are anything to go by. The first show on the agenda was the Video Toaster Expo which was held in Los Angeles on 2 November where the choice of the PowerPC for the next generation Amigas was revealed. It is hoped that the first 'Power Amiga' will be available in the first quarter of 1997 and will use the PowerPC 604 RISC CPU. They will be backwards compatible with current models.

Manfred Schmitt commented [at the Cologne developers conference]: "The choice of the Power PC was made for its speed, and also because it is actually the only RISC processor that is currently used in personal computers, which will insure us that needed quantities will be available at attractive prices on a mass market." In addition to this Phase 5, a German turbo board manufacturer, independently announced that they will be releasing a Power PC board which will start with the MPC603e and will run at 100MHz upwards. They will then go on to release a professional version – the MRC604 which also starts at 100MHz. This will be a 64-bit local bus system with the option of PCI capabilities. Priced between 1000 and 2000 DM, it will be available for the A1200, A3000 and A4000. Development boards will also be released in January or February 1996 and will come with a compiler for Power PC code. The commercial board should be ready for summer 1996. The project is already being supported by Almathera, Softwood and SoftLogik.

The PowerPC board from Phase 5

POSITIVE NEWS

The Cologne show was also very positive for the Amiga too and the developers conference brought news of the Internet package, the set top box, and support for developers. Confidence was high, and Petro Tyschtschenko was eager to point out the significance of the Amiga in their plans: "We want to show our commitment to the Amiga platform, not as a quick money maker for the Christmas season, but as one of the most important strategic challenges in the Escom group. Amiga shall become the best platform for Multimedia, 3D software, graphics processing, Internet and many more applications."

The Internet bundle in question is one that will be marketed as a complete package and will include modem and cables with the software pre-installed on the hard drive. Manfred Schmitt commented: "We will use the Amiga technology to provide very cost-effective on-line solutions. These can be marketed as set-top boxes or as Amiga computers equipped with the necessary hard – and software.

He continued: "The actual computer market is widely occupied by Intel and Microsoft platforms. We think that this combination is not satisfying for all uses. There is a strong market for the home computing below 1000DM. For Internet surfing, spending 2500DM for a PC is not what I would call a home-oriented solution. These are definitely market segments where the Amiga 1200 can be more competitive."

See our Cologne show and Power PC features for more details.

NEW AMIGA'S HIT BY COMPATIBILITY PROBLEM

Disgruntled customers who recently bought the new Amiga Magic Pack are returning some software back to the shops because of a compatibility problem.

Computer Retail News, a trade paper for retailers, ran a story which suggested that retailers had been urged to remain calm after Amiga Technologies admitted there was a problem with the new machines. Some old and new titles have been affected and reasons put forward varied from 'anti-piracy code' to 'illegal software practices' by which they mean the developers have not been sticking to the Commodore AmigaDOS guidelines. However, many games incorporate this illegal code as part of their piracy protection. Jonathan Anderson, Managing Director for Amiga Technologies UK commented: "The floppy drive is under re-evaluation tests. We will provide more news when we get the results back."

The newspaper also reported that retailers were not happy that the £499 Amiga Pack came with software that wouldn't run without an extra 2Mb of RAM. And the solution? Box stickers stating this were being provided.

The new Amiga Magic Pack arrived on the shelves – only to be met by incompatibility problems

SDL BACK IN BUSINESS

The new owners of SDL (middle) have offered the original partners a position on the Board of Directors

The 10 November brought good news to struggling computer distributor SDL and their chain of retail shops, Silica. Following our report last month that the company had applied for an Administration Order, just four weeks later they are back in business following a take-over by Anglo Corporation PLC.

Anglo Corporation made their interest known as soon as Prodis PLC (the holding company of SDL) went up for sale. Anglo was founded by Stuart Tidy and David Gosling (a member of the Gosling family whose business interests include the National Parking Corporation) and has financing of £5 million including £2 million in share capital, specifically for the takeover.

SDL's financial troubles were caused by the collapse of Commodore International and not helped by the fact that when they tried to move into other markets, the supply of PCs from companies such as IBM and Compaq were erratic.

Gosling and Tidy will now be joint Chairmen of the company and Silica's original partners, Tony Deane and Mike West, have been offered the position of Directors on the Anglo Corporation board. Tidy commented: "Our immediate focus will be to concentrate on taking full advantage of the busy Christmas season. The next two months should see the new company off to a good start, allowing us time early in the new year to reflect on our performance and prepare our future strategy accordingly."

Part of that strategy will be the search for new product lines to strengthen and broaden the Silica product portfolio. When asked whether they would still be as dedicated to the Amiga line, John Arundel, Group Marketing Controller commented: "We're very committed to the Amiga – that's obviously where we're very strong, it's our speciality."

Anglo have also stated that they will be honouring all existing customer warranties and product deposits that were in place before the takeover. Arundel continued: "They [Anglo Corporation] are very committed to the customers – they are not obliged to do this but they want to keep the good relationship Silica have built-up over the years."

Q DRIVE

The Amiga Q Drive will retail at £229 including VAT

Specifications for the new Amiga Technologies CD-ROM drive have been revealed. Called the Amiga Q Drive, it is an external, Quad-speed, CD-ROM drive that connects to the Amiga 600/1200 via the PCMCIA slot. Priced at £229 (including VAT) the Q Drive will be able to run CD32 software with software emulation, play Audio CDs, and an automatic slideshow feature for viewing PhotoCD. It offers a transfer rate of 600Kbs and ATAPI/EIDE interface. The sound will also be mixed with Amiga sound output. The drive should be available this December, so expect a full review soon.

VIRTUALLY THERE

The Virtual Reality headset, called the i-glasses, are now available from Silica. The glasses can be plugged into a computer or games console and the user will then be able to experience 3D video games.

The Virtual i-glasses – the future. But when will we see the software?

The Amiga (composite/TV) headset takes any PAL composite video source to produce a virtual 80" colour display. But now, an Upgrade Set is also available to give the composite version all the powers of the PC such as headtracking, which allows three degrees of movement in all directions. The glasses are apparently selling quite well with people who want to be 'the first in there' according to Silica's Marketing Controller, John Arundel. He offered: "We'll see big things from this in the future." Although there is, as yet, no Amiga software for the glasses to reap the full benefits, Arundel commented: "You'll get the full benefit with 3D games – it will all come to fruition."

A QUICK MENTION

A quick mention to the Amiga International User Groups Association – an association which is aimed at groups or programmers who produce software for the Amiga. Their committee represents a cross-section of Amiga users including programmers, modem users, PD houses and users groups. Formed from a number of other groups, they have recently published their second newsletter which highlights issues such as 'rip-off' CDs and cowboy PD houses.

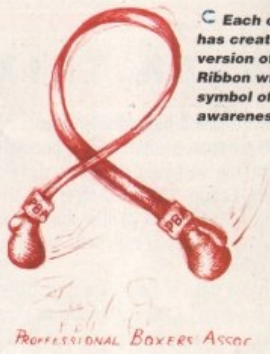
Anyone wanting to contact them can do so on 0181-455 1626.

news snippets

WORLD AIDS DAY

A new initiative to use the Internet as a way of communicating health promotion has been established in the run up to World AIDS Day. By the time you read this, World AIDS Day will have been and gone (1 December) but the site will remain live until the 31 January. The project has been set up by the Health Education Authority in order to convey accurate health messages about HIV and AIDS and raise awareness of the disease. Celebrities from Joanna Lumley to Barry McGuigan are endorsing the scheme, and each star has their own version of the Red Ribbon (the symbol of AIDS awareness) which can be seen in the Cyber Art Gallery.

Safe the net at: http://www.wad.heq.org.uk



Each celebrity has created their version of the Red Ribbon which is the symbol of AIDS awareness

ALL THAT GLISTENS...

Golden Image have announced the launch of their new CD-ROM drive which is the first Quad-speed drive for Amiga 500 owners. To use the drive, an AlfaPower hard drive interface is required but for existing AlfaPower users they can buy the Quad-speed drive as an upgrade for £249.

Alternatively, a complete system with hard drive and CD-ROM Drive is also available from Golden Image. Managing Director, Navin Shah remarked: "We have always supported the Amiga 500 machine and this new CD-ROM product emphasises our commitment to the thousands of users around the country."

They can be contacted on 0181-900 9292.

BOOZENET

Off License Victoria Wine have moved off the high street and onto the Internet in a bid to increase their pre-Christmas sales. BarclaySquare, a division of Barclays Bank, offer a virtual shopping mall on the Internet and Victoria Wine are the latest retailers to join them. Retail Systems Manager, Paul Hamer commented for Victoria Wine: "The net is providing us with the opportunity to open our doors to consumers 24 hours a day, without the need for purchasing new premises or employing additional staff."

Shoppers will be offered a selection of wines and spirits and can choose wines from the recommended list or custom make up their own cases. They can then make a purchase with credit card and have it delivered free to anywhere in the UK.

Barclays is the first bank in the United Kingdom to offer such a service and promise that all transactions are subject to stringent security measures.

Victoria Wine can be found at: http://www.itl.net/BarclaySquare/

CANON FODDER

The Canon BJC-610 promises the lowest running costs on the market

Following on from the successful Canon BJC-600e printer is their latest launch, the BJC-610. Aimed at SOHO users, it offers 720x720dpi resolution colour quality and by keeping their system of four separate print/colour cartridges, running costs will be kept to a minimum. It will print on a wide range of media and promises high resolution, whether on plain or glossy. Fast drying inks will also ensure that colours won't blur even with complex images. It's Automatic Sheet Feeder will hold 100 pages and when manually fed, the printer can produce double-sided documents.

Product Analyst, Julian Rutland commented: "We've designed BJC-610 with the users of dedicated colour printers in mind, and are confident that it offers the lowest running costs on the market." He continued: "The BJC-610 will be invaluable in the small office where the quality of proposals, reports, presentations and pre-press work is paramount."

The printer has an RRP of £449 + VAT.

CLEVER TRIX

AmiTrix Development have announced the release of Amiga-Link, a networking system which comes bundled with the new version of Envoy, the networking software that was developed by Commodore's Amiga Networking Group. The system offers the possibility of 'peer to peer' networking with file and printer sharing, and 20 machines can be linked together using RG58 coax with BNC connectors connected to a special floppy drive port connector.

It also has a DMA transfer rate of 450,000 bps from network to memory, so avoids the heavy CPU contention of slip/parnet. Envoy 2.0 has new features such as support of AmigaOS 2.04 DOS packet types, support for removable media, enhanced reliability and robust recovery, localisation and AmigaGuide documentation. AmiTrix can be contacted by e-mail – sales@amitrix.com

INTERACT '95

The industry show, Interact '95, is ready and set to go at the Hilton Cavalieri in Rome on the 3-8 of December. Organised by ELSPA and IDG Media, with support from French trade body SELL and German VUD, the conference includes many aspects of the interactive leisure industry and will offer the opportunity to debate how the industry should tackle the huge problem of piracy.

OPTONICAL ILLUSIONS

Multimedia Amiga company, Optonica, are currently giving the machine's corporate ambitions a real boost by supplying huge video walls driven by Amigas to football stadiums throughout the country. They have already installed the system in Wolverhampton FC with a 35ft corner to corner screen size. It has attracted interest from other clubs too and Optonica are now developing a similar system for West Ham.

Their future plans include installing the project for Aston Villa, but they see the real jewel in the crown as the 45ft screen planned for Glasgow Rangers FC. "We consider ourselves to be a professional organisation developing products for the Amiga in exactly the sort of markets Amiga Technologies are talking about" remarked Lee Gibson, Managing Director of Optonica.

SATURDAY NIGHT FEVER

Lottery fever sweeps the nation again and Anthea Turner's face beams out from the screen, as the many hopefuls hold their breath... it could be you.

Pro-soft, amongst many, picked up on this with their successful lottery program and new for next year is Pro-Lottery '96. Keeping the key features of the original, it also incorporates some of the improvements suggested by users of the original such as an enhanced perm generator which covers 48 of the 49 possible numbers. This is one of three new programs from Pro-Soft for Amiga gamblers. The first to be released is Pro-Football, a prediction generator for both the UK and Australian(?) football leagues. To follow is Pro-Greyhounds which is, as you'd guess, a prediction system for greyhound racing.

Free Demos are available to anyone interested. Send an SAE and two blank disks to: Pro-Soft, 10 Lovell Park Heights, Leeds LS7 1DP. By mentioning *Amiga Computing* you can also receive three £5 vouchers to go towards purchasing the full versions.

THE AC TEAM

EDITOR Paul Austin
DEPUTY EDITOR Ben Vost
ART EDITOR Tym Leckey
NEWS EDITOR Tina Hackett
COVERDISK EDITOR Neil Mohr
PRODUCTION EDITOR Judith Chapman
GAMES EDITOR Tina Hackett
STAFF WRITERS Andrew Maddock, Dave Cusick
ADVERTISING MANAGER Lisa Bracewell
AD SALES Jane Normington
AD SALES Sue Horsefield
AD PRODUCTION Barbara Newall
MARKETING MANAGER Claire Mawdsley
MARKETING ASSISTANT Victoria Quinn-Harkin
PRODUCTION MANAGER Sandra Childs
SYSTEMS MANAGER David Stewart

CIRCULATION DIRECTOR David Wren
COMMERCIAL DIRECTOR Denise Wright
DISTRIBUTION COMAG (01895) 444055
SUBSCRIPTION 0151-357 2961

Member of the Audit Bureau of Circulations

ABC 33,546

June-Dec 1994

Published by IDG Media, Media House, Adlington Park, Macclesfield SK10 4NP
Tel: 01625 878888 , Fax: 01625 850652

EMail contacts:
Editorial edit@acomp.demon.co.uk
Advertising ads@acomp.demon.co.uk

CHAIRMAN Richard Hease
MANAGING DIRECTOR Ian Bloomfield

IDG MEDIA

We regret *Amiga Computing* cannot offer technical help on a personal basis either by telephone or in writing. All reader enquries should be submitted to the address in this panel for possible publication.

Amiga Computing is an independent publication and Commodore Business Machines Ltd are not responsible for any of the articles in this issue or for any of the opinions expressed.

©1995 IDG Media . No material may be reproduced in whole or in part without written permission. While every care is taken, the publishers cannot be held legally reponsible for any errors in articles, listings or advertisements

For six years *Amiga Computing* has been the leading magazine for Amiga enthusiasts. As a key member of the IDG communications group, *Amiga Computing* promises to inform, educate and entertain its readers each month with the most dedicated coverage of the Amiga available.

12 issue subscription £44.99 (UK), £69.99 (EEC) £84.99 (World)
Ongoing quarterly direct debit: £10.99 (UK only)

Printed and bound by Duncan Webb Offset (Maidstone) Ltd

THE WORLD's FASTEST AMIGAS ARE ON THIS PAGE!

CYBERVISION 64

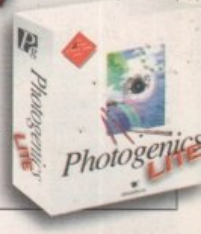
LIMITED OFFER
FREE PHOTOGENICS LITE SOFTWARE WITH CYBERVISION 64s FOR A LIMITED TIME!

64-BIT ENGINE A3000/4000 24-BIT COLOUR ACCELERATED GRAPHICS CARD. For all Zorro-3 Amigas, this 64-Bit high speed graphics engine/blitter offers up to 1600 x 1200 pixels in 8-Bit colour or 1024 x 768 pixels in True 24-Bit Colour, with 2Mb of display memory (4Mb user upgradeable).

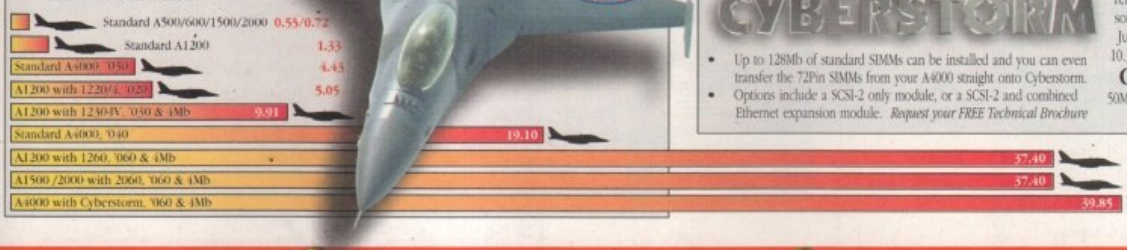
Cybervision 64... 2Mb - £329.95 4Mb - £439.95

Request your FREE Technical Brochure

FREE PhotoGenics LITE...Powerful software for image manipulation - the ULTIMATE 24-bit graphics package for A3000 or A4000! Includes 27 effects for processing photos/images such as Emboss, Solarize, Texturize, Add Noise etc. as well as Paint Tools inc. Chalk Pastels, Crayon, Felt Tips & more - Brilliant! (Packaging is shown for illustration purposes only and is not included)



THE ADVANTAGES OF OUR BOARDS ARE UNSURPASSED... Just Compare our Performance!



Figures shown are in MIPS and taken from comparative performance tests using Sysinfo standards (1230-IV, 1260, 2060 and Cyberstorm ratings use 60 Nanosecond SIMMs).

CYBERSTORM

THE WORLD'S FASTEST... NO QUESTION!

- Up to 128Mb of standard SIMMs can be installed and you can even transfer the 72Pin SIMMs from your A4000 straight onto Cyberstorm.
- Options include a SCSI-2 only module, or a SCSI-2 and combined Ethernet expansion module. *Request your FREE Technical Brochure*

The World's Fastest Amiga!

CYBERSTORM - THE FIRST FULL **68060** ACCELERATOR FOR THE A4000 *(ask for details about A3000 compatibility too).* When Cyberstorm, a 50MHz 68060 board, renders a test graphic with Imagine 2.0 software, the processing time is FAST... Just 2.45 minutes - Compare this with 10.34 mins on a standard A4000 '040/25!

Cyberstorm 68060/50

50MHz 68060, 0Mb (Expandable to 128Mb)

£PHONE!

BLIZZARD 1220/4

28MHz 68EC020 A1200 TURBO 4Mb, 32-Bit RAM Expandable to 8Mb

Multi award-winning BLIZZARD 1220/4 4Mb TURBO

Offers by far the best price/performance ratio of any A1200 32-Bit RAM expansion on the market incorporating everything a good memory board should - such as a Real Time Clock, RAM expandability, optional FPU etc. With its Motorola Processor running the 32-Bit FAST RAM at an amazing 28MHz, the 1220/4 has broken all the barriers! Check the facts for yourself and fit the BEST Amiga A1200 68EC020 Turbo Memory board available.

- Integrated 28MHz 68EC020 Clock Speed Doubler for up to 300% overall performance increase
- Factory Installed & Tested 4Mb 32-Bit FAST RAM
- Expandable to 8Mb with Blizzard Add-4 Board
- Integrated Battery Backed Real Time Clock
- Easy Trapdoor Installation
- Can be disabled in situ for full games compatibility

1220/4 Turbo 28MHz 68EC020 4Mb 32-Bit Fast RAM (Expandable to 8Mb)	£199.95
Add-4 Board - extra 4Mb for 1220/4 4Mb 32-Bit Fast RAM add-on	£169.95
Motorola Maths Co-processors 68882 PLCC type FPU, 25/33MHz	£Call

THE AWARD WINNING A1200 RAM EXPANSION!

Blizzard products have consistently achieved the highest magazine accolades and awards!

Amiga Shopper said "in short if you want the fastest Amiga in the World, you have no option."

Amiga Computing "...Amigas can now do anything Pentiums can"..."10

Amiga Format "...buy one as soon as you get chance" - 95% rating

[1]*Available 1st Quarter '96*

BLIZZARD 1230-IV

NEW... 50MHz 68030 A1200 TURBO ACCELERATOR - 0Mb Expandable to 128Mb

The Blizzard 1230-IV Turbo Accelerator Memory Board

is the successor to the market leading 1230-III and the highest performing 68030 accelerator available for the A1200! Not only has there been an INCREASE in specification, but also a DECREASE IN PRICE! With its 50MHz 68030 and MMU, the new 1230-IV offers EVEN MORE for LESS! With a SysInfo rating of 9.91 (using a 60 Nanosecond SIMM) you can see the 1230-IV is **very** fast - a performance gain of up to 500% is achieved! Options via its Fast Expansion Bus include Modules such as a SCSI-2 Controller. An industry standard SIMM socket provides for up to 128Mb of auto-configuring 32-Bit FAST RAM (or 256Mb with the SCSI-2 option including its extra SIMM socket).

- Easy Trapdoor Installation
- Battery Backed Self Recharge Real Time Clock
- High Performance DMA Expansion with Full 32-Bit wide DMA
- 68030 may be disabled with a Simple Keystroke on Boot Up allowing Full Games Compatibility - Even Badly Programed, Older Software!
- PGA FPU Socket allowing Optional 50MHz, 68882 FPU

1230-IV Turbo 50MHz 68030 & MMU 0Mb 32-Bit Fast RAM (Expandable to 128Mb) *(Call for Larger SIMM prices)* NEW... LOWER PRICE	£179.95
4Mb SIMM RAM Expansion (Fast 60 Nanosecond) 32-Bit, 72 pin	£134.95
Motorola Maths Co-processor 68882 PGA type FPU, 50MHz	£99.95
SCSI-2 Module[1] for 1230-IV Turbo (With additional 128Mb SIMM socket)	£89.95

THE WORLD's FASTEST A1200 '030 ACCELERATOR!

What the Magazines think...

1st Place Amiga Shopper Reader Awards — Amiga Gold — CU Amiga Superstar — Top Rated — Amiga Format Star Buy — Amiga

NEW 68060 ACCELERATORS FOR THE AMIGA A1200, A1500 and A2000 RANGES

If you'd like to know how to make YOUR Amiga A1200, A1500 or A2000 as fast as any Amiga can be... ask for our free brochure which shows you how!

Blizzard products have always been at the forefront of the Amiga accelerator market and we were the first to launch 68060 boards with the amazing performance they bring. Since that launch, there have been shortages of 68060 Motorola CPUs and production output has fluctuated. Although supplies of these chips were expected to be fully on line by now, Motorola cannot meet the demand. We are assured however that by the early part of 1996 Motorola will be in a position to fulfil the market's needs and hence, Blizzard product delays (which are beyond our control) should disappear. Until then you may well ask...

Should I be tempted to buy on '040 instead?

Well, when the Blizzard '060s can be **Two or Three** times as fast yet cost as little as 25% more, why buy an '040 which offers a far lower price to performance ratio! When we considered the possibility of producing an "interim '040", we decided it was not a product worthy of development. The facts are simple, if YOU want the **FASTEST** Amiga, a 68060 is the ONLY way. Maybe you should think about reserving a Blizzard 1260 or 2060 now - stocks are bound to be limited when the mighty 68060 returns! A small wait now, but an '040 will always keep your Amiga waiting longer!

NEW... BLIZZARD 1260

1260 Turbo[1]
For the Amiga 1200s
50MHz 68060 & MMU
0Mb 32-Bit Fast RAM, Expandable to 64Mb
£599.95

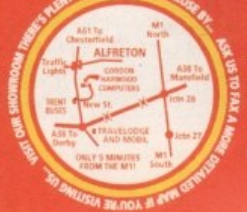
NEW... BLIZZARD 2060

2060 Turbo[1]
For Amiga 1500/2000s
50MHz 68060 & MMU
0Mb 32-Bit Fast RAM (Expandable to 128Mb)
£699.95

All Blizzard and Cyberstorm products use brand new MOTOROLA 68030 series processors (not second hand as in some of our competitors' boards). They always run **WITHIN** the electrical timing specification laid down by Motorola to prevent any possible overheating/reliability problems. When you pay for a new 50MHz CPU for example, that's exactly what you get - not a 40, 33 or even a 25MHz CPU "clocked" to 50MHz! Look out for the **MOTOROLA MOTIVATED** logo - your guarantee of our commitment to quality and reliability - **BEWARE** of "clocked" CPUs!

gordon harwood computers

the UK's favourite Amiga Dealer



GORDON HARWOOD COMPUTERS LIMITED
Dept: ACO/B5 NEW STREET, ALFRETON, DERBYSHIRE. DE55 7BP

Tel: 01 773 836781
Fax: 01 773 831040

PLEASE CALL TO CONFIRM AVAILABILITY BEFORE MAKING A LONG JOURNEY TO VISIT US. OUR OPENING TIMES ARE... Mon-Sat, 9am until 5pm

BY PHONE: Simply call our order line. We accept VISA, Mastercard, Access, Switch, Connect, Delta AMEX and Lombard Creditcharge (most 'store cards' are Lombard eg. Dixons, Currys etc).

BY POST or FAX: Include your name, address and daytime phone number plus order details. If charging a credit/debit card include... number and expiry date (also issue number with Switch cards). Make Cheques (allow 7 days clearance prior to despatch), Bankers/Building Society Drafts or Postal Orders payable to Gordon Harwood Computers

PRICES: Please remember to confirm prices in case you are looking at an 'old' magazine. Prices can change (up or down) before the magazine's cover month has passed. Please confirm before sending orders by post.

DELIVERY: We ship promptly and offer delivery of all orders throughout Mainland UK & most products overseas. If your order is urgent we have priority despatch options with express delivery available.

EXPORT: Most items are available Worldwide, and at TAX FREE PRICES to non EC residents & overseas UK Armed Forces Personnel (with CO's document). Please call us for confirmation of prices and carriage charges.

Extracting coverdisk files

To extract the programs off the second disk you must make sure you have booted your computer with the first cover disk, otherwise your Amiga will not be able to find the c:Installer program, and frustration will soon set in. Hard drive users should double click on the SetUp-HD icon before extracting any of the files.

To extract any single archive, simply double-click its icon and follow the on-screen instructions. If you want to quickly extract the program to RAM, select the NOVICE level on the welcome screen and press proceed once on the current screen, and then again on the next. The program can then be found in your RAM disk.

You also have the option of using a floppy disk. If you pick this option, make sure you have a blank formatted disk at the ready, and if you only have one drive get ready for lots of disk swapping and a long wait.

The coverdisks

A special disk double this month, for everyone with **'L' plates** firmly slapped onto the side of their Amiga's.

ToolManager 2.1a

Author: Stefan Becker
Workbench: 2.04

ToolManager is an amazingly helpful program, adding many useful functions and extensions to the Workbench. The prime use of ToolManager is to allow you to have easier access to your most useful programs and tools you have.

Once you have extracted the program off the cover disk there is a pre-written install script which will copy the necessary programs and libraries over onto your Workbench disk. Hard drive users will have no problems with this, but floppy users need to make sure they boot up their computer with a copy of their Workbench disk – otherwise they will need to install it by hand.

You have the option of trying out a supplied demo configuration which will give you a rough idea of what ToolManager is capable of. By dropping a program's icon in to the preference program's window, you are able to give it a number of very useful extras.

When you drop a program into ToolManager the program will ask you how it should handle that program.

The ToolManager preferences are split into a number of sections – exec, sound, image, icon, menu, dock, and access. The exec, sound and image parts allow you to add those types to the program, so the exec section is where you add your programs. The sound and image sections allow you to add sound samples, icon, graphics files and animation files.

The sound and image sections are available because it is possible to add sounds and images to certain parts of Tool Manger. Therefore, when a program is run a corresponding sound can be generated.

All these sections allow you to 'drag and drop' objects into them, so to add an icon image to the image section just drag the image you want over to the preference window and 'drop' into the window. This then adds a new entry to the list view. To alter any of that object's settings you just have to double-click on that entry and a new window will open with all the adjustable settings that are available.

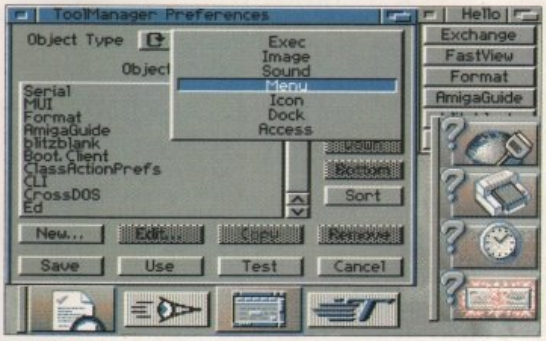
When you drop a new program into the exec section, ToolManager will ask whether you want just the program adding to the exec list or whether it should also add the program's icon to the image list, as well as giving it a menu entry and also an icon to the Workbench.

A menu entry will make the program's name appear in the Workbench Tool menu, which allows you to run the program by selecting it from there. Similarly, an icon entry creates an icon on the Workbench, and by double-clicking on this icon or dropping a file into the icon the program can be run.

A very useful part of ToolManager is the docks function. This allows you to have a selection of programs represented by a list of buttons on the workbench. This list can be made to appear anywhere, can appear or disappear, and can be viewed either as icons or as text. Once you have a number of programs in the exec list, you can create a new dock. If you go to the dock section and click on 'new' a window appears that allows you to adjust the new dock. From here you can change where it will appear, how it will look, and you can add what is known as a hotkey. A hotkey is a combination of key presses which will then automatically make the dock appear or disappear. For instance, if you wanted a Tools dock, type *alt t*, and you can now call up the dock by pressing the alt and t key – easy.

To add programs to the dock you need to press the 'Edit Tool List', click on 'new' in this window, click on the choose exec button, and then choose the new program to add to that dock. This is a bit round the houses perhaps, but it works. From here it is also possible to choose images and sound to go along with that program button.

You are best experimenting with all the settings and using the test button to see what effect they have, as there are so many options and the instructions do not explain things too well.



ToolManager showing off its docks, which can be text, icons or even animations!

Jargon box

Workbench – the Workbench is the Amiga's graphical user interface. The same as Windows 95 and System 7.5! are respectively the PC's and Mac's GUIs. It is meant to make using the Amiga a lot easier.

Shell – just as Workbench is a graphical representation of the Amiga's filing system, the Shell is a text-based system. Similar but a lot more powerful than the PC's DOS.

Hard Drive – can be thought of as a really big and really really fast floppy drive. Using a computer without one is a living hell.

Archive – all the files on the cover disks have been archived. This allows us to bunch a lot of files into a much smaller amount of disk space.

ClassAction

Author: Gasmi Salim
Workbench: 2.04

The standard ClassAction preferences gives you a good range of preset file formats for you to be getting on with

Computers are really thick. I mean really really thick – even thicker than the coffee we have to put up with from our drinks machine and for which we have had several interested construction firms seriously considering it as a replacement for cement.

When you give your computer a data file, unless it has a icon supplied with it, and if you do not have the program that generated that icon, when you just double-click on it you will only get an error message. What you need is something that will work out what the data file is and which program it should be passed to, and this is what ClassAction does.

As with ToolManager, an installer is available to make installation as simple as possible. Once installed you will have to use the preference program to set up the various options for your machine.

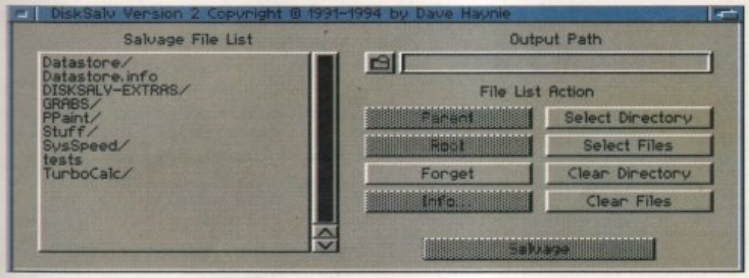
The preference program has two main sections. One to add new file types and the other to pick how a file type is used. The way Class action recognises a file type is that most file formats have an identifying string somewhere in the file that specifies what file it is. So an IFF file always starts with the word 'FORM', and if it is a picture file it also has 'ILBM' a set distance further along.

Normally, to find out what this special string is you would have to carefully examine the file with a hex editor, but ClassAction has an auto-detect feature built in that can automatically work out how to identify a file type.

Once a file type is defined you can then tell Class Action which program to pass the file to. This is all done through file requesters and is not very difficult. There are also a good number of examples already set-up, so you can get an idea of how Class Action works. If all else fails you could always read the instructions!

DiskSalv 2

Author: Dave Haynie
Workbench: 2.04



Once DiskSalv has scanned your drive, you can select which files you want rescuing, and where they should go

One of the most annoying things that can happen when using a computer is when you lose work due to a disk becoming corrupt. There are usually two main reasons for this happening. Firstly, it could simply be the disk becoming damaged, or more annoyingly the computer crashes when you are saving something to disk.

If either of the above two happen the Amiga's file structure becomes damaged and the operating system will not let you write to the disk until the file system has been properly repaired. Strangely, the Workbench does not come with any sort of repair utility, which means someone using a hard drive that becomes damaged would be unable to fix a problem.

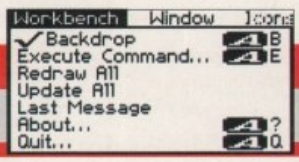
DiskSalv is one of the best file recovery programs available for the Amiga. The version on the cover disk is a shareware product, so if you decide to keep it you should send a payment to the author. There is, however, a new and improved version that is a commercial product, so if you feel you really need a disk salvage program, it is well worth considering.

DiskSalv is perhaps best stored on a separate floppy, so if anything horrible happens to your hard drive it will always be ready at hand. There are a number of modes that DiskSalv works in, and which one you use depends on the problem. The undelete and salvage modes allow you to recover deleted and damaged files. If you accidentally format a disk the unformat mode is the one you need, while the validate and repair functions are there to try and save damaged disks, which usually are unvalidated or have check sum errors.

Magic Menus

Author: Martin Korndorfer
Workbench: 2.04

The aptly named Magic Menus will transform your old ugly black and white menus to...



...this much more appealing three dimensional-looking affair

Magic Menu is probably found on almost every Amiga user's Workbench. It transforms the plain looking drop down menus into a far sexier 3D pop-up affair.

The only installation you have to do is drop the program into your WBStartup drawer. If you then double-click on it twice you will be able to configure the look of your new menus through the easy-to-use interface.

There can be problems now again with Magic Menus, particularly when they are being used on a screen with strange colours, because Magic Menu cannot get the correct colours it uses from those that are at hand. This can lead to black text being used over a black background, making it impossible to read any of the menus. This occurs a lot when MultiView displays a picture on its own screen, because similar colours can be grouped together. To get rid of this effect, open up the menu and hit the Ctrl key on the far left of the keyboard. This reverts the menus back to their original colours, so you can read them.

Faulty Disks

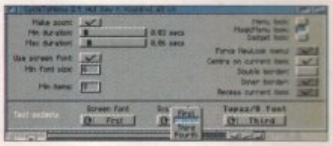
If you should find your Amiga Computing CoverDisk damaged or faulty, please return it to:

TIB Plc, TIB House, 11 Edward Street, Bradford, W. Yorks BD4 7BH.

Please allow 28 days for delivery

Cycle to Menu

Author: Federico Giannici
Workbench: 2.04



Instead of having to tiresomely click through each entry, Cycle to Menu gives you a handy menu to choose from

Another program I reckon almost every Amiga user has is Cycle to Menu. This smallish program improves the way the Amiga's cycle gadget works, and a prime example is in the Time preferences. The cycle gadget here is used to flick between the various months in a year. If you need to flick through six months it is a little tedious. Would it not be far easier if you could just jump straight to the month you want?

Well that is exactly what Cycle to Menu allows you to do by converting all the cycle gadgets to pop-up lists. So after running it, if you now click on the month cycle gadget instead of just going to the next month as normal, a window with all the months appears under the mouse pointer, allowing you to easily select the month you want.

It is still possible to skip a single entry by clicking on the first part of a cycle gadget, similarly to skip back a single entry, press shift and then click on the cycle gadget.

An installer is provided, in the language of your choice, and if you double-click on the program after running, it a preference window appears allowing you to choose how the cycle menus look.

FAST VIEW 2

Author: John Hendrikx
Workbench 2.04

MultiView is a very good program but sometimes you need something that is a little more straightforward to use. FastView is currently the best all round picture viewer as it is both very fast and supports a good number of picture formats.

You need to install FastView as there are a number of support files that have to go in the right place. Once this has been done you only have to double-click on its icon and then using the requester select the picture file or files you want to view.

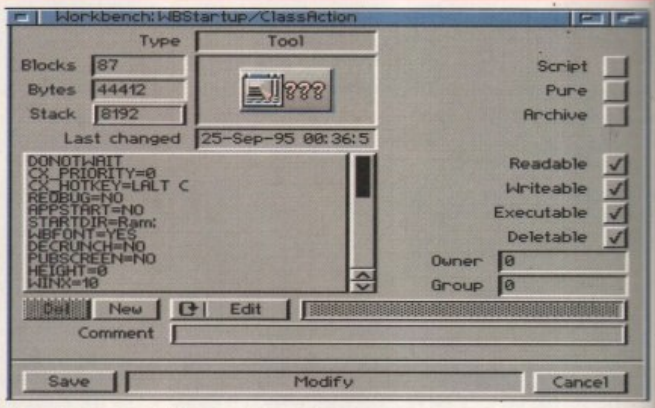
Fast View has a good number of extra options, but these are only available throughout the Amiga's Shell, and you need to read the documentation on how to use them properly.

SWAZINFO

Author: David Swasbrook
Workbench: 2.04

This is another improved Workbench-type program replacing the standard icon information requester. To be honest this is fairly useless, offering only the minimal amount of functionality, so this drop in replacement gives you a large number of improvements.

Firstly, you can now copy icons and tools type by dropping the new icon into the respective part of SwazInfo's window. It also adds a large number of new features, letting you easily adjust icon and program settings – otherwise you would need to use a separate program, or the shell to do this.



SwazInfo is a greatly improved information requester

ASL v42

Author: Marcin Orowski
Workbench: 2.04

Yet another replacement for one of Workbench's standard functions. This new version of the ASL library gives you more control over how the standard requester appear.

If you do not know, most of the requesters that pop up quite frequently are all produced by a single library, called the ASL library. This allows programmers to easily get choices from the user. The main requesters used are the normal information windows that usually have one or two buttons in the bottom strip, file requesters that you will use quite a lot, and then there are the screen and fonts requesters.

The new version allows you to choose how and where these new libraries should appear, saying what part of the screen they should appear in and how big they should be. This makes using requesters more consistent, so each time you ask for a requester it will always appear were you expect it.

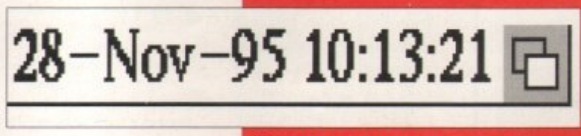
SCREENCLOCK

Author: Thomas Igracki
Workbench: 2.04

If you are not too careful you can waste you entire life just beavering away on you computer, but how can you to tell when you can put down your tools and head off for lunch.

Screen Clock gives you a nice discreet clock lurking in the top right-hand side of your Amiga's screen.

It will even jump to a new screen when you change screens, so you never lose track of the time.



Look it is a clock, it tells the time, what more do you want to know?

MULTICX 2.24

Author: Martin Bernede
Workbench: 2.04

Good things do come in small packages, and MultiCX proves it to – a tiny utility that manages to pack loads of invaluable features into a tiny program.

Window and screen manipulation, mouse acceleration, screen blanking, no drive click, new look menus and sliders, alert patch, assign wedge and new edit are just a few of the many function MultiCX does.

Just drop the icon in your WBStartup drawer and read the document to get the low down on what every function does. All the functions of MultiCX have to be adjusted via the icon's toolstypes which you get to by clicking once on the MultiCX icon and then pressing the right Amiga key and i.

WB ALIAS

Author: Frank Wurkner
workbench: 2.04

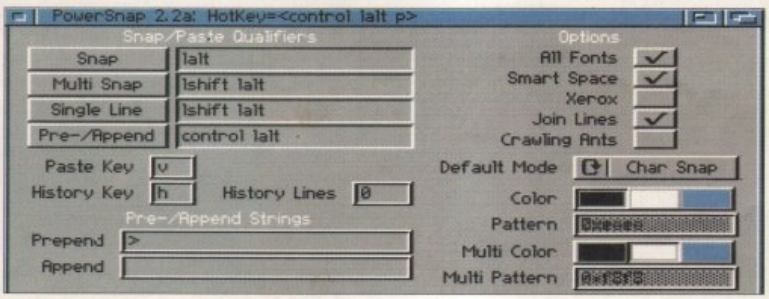
Macintoshes have had the ability to make what are known as aliases for a while now, and this program provides the Amiga with the same function. When you first run WBAlias, a file requester will appear asking you where the alias should initially be stored.

Once you have picked a location a menu item in the tools menu is created. If you now want to make an alias, just select the program or drawer icon and then 'Make Alias' from the tools menu.

You can now put the new alias icon where you like, snapshot it, rename it, or even run it. The only restriction is that you cannot put an alias into RAM due to the way the link to the original program is made. To quit WBAlias just select its menu item without an icon selection.

POWERSNAP

Author: Nico Francois
Workbench: 2.04



Cut and paste any text, anywhere. Just hold down the left alt key and select with the mouse

Universal cut and paste has been available to all Mac users for a very long time, and PowerSnap is the closest Amiga users are going to get. It simply allows you to select an area of text displayed on any screen and then copy and paste that text in to another program. This may not sound too earth shattering, but in conjunction with MultiCX's new edit function you can easily cut file names, Web site addresses and paste them into which ever text requester you like.

The coverdisks

KingCON v1.3

Author: David Larsson
Workbench: 2.04

Nothing is perfect, so KingCON is another improvement to AmigaDOS. This time it adds a lot of extra functionality to what is known as the Amiga's shell. Initially I doubt you will use this too much, but when you do, KingCON makes it a lot easier to use. The ability to scroll back through past commands, and to add file names by pressing the tab key really simplifies your life.

A standard installer script is provided and you must use this to install KingCON as it makes some important lines to your user-startup sequence. Once installed you may not notice the difference, but if you read the instructions you will find out about all the benefits of KingCON.

Hidden beneath this bland window, throbs the mighty power of KingCON

Virus Checker v7.16

Author: John Veldthuis
Workbench: 2.04

One thing that can cause havoc on your machine is a computer virus. Written by very strange people, these nasty things can cause all kinds of mischief, normally resulting in you losing data. To protect yourself properly you need a good up-to-date virus checker, and the strangely similarly named Virus Checker is just what you need. To install it there is a supplied installer program which will copy across all the necessary extra files. You should have Virus Checker in your WBStartup drawer so it is running each time you start Workbench.

SYSiHack

Author: Mr BOOPSI
Workbench: 2.04

Not a program that turns your computer into a girly blouse but one that changes the look of Workbench's gadgets for the better. Instead of having the dreary looking plain close and resize window gadgets you get some snazzy 3D look ones.

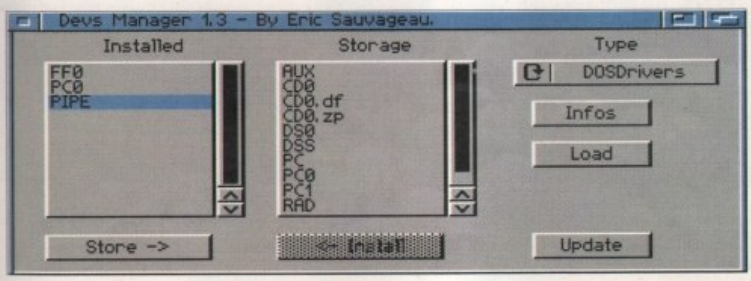
To make the change you need to open a Shell, found in the System drawer, and type *Ed S:Startup-Sequence*. Then you need to add the following line just after the *Setpatch* command: C:SysiHack 18 18 18 18 18 4 4 3DLOOK. If you now save the file and restart the machine you will have lovely new looking system gadgets.

Devs Manager

Author: Eric Sauvageau
Workbench: 2.04

If you are a beginner this utility may not be of immediate use but as time goes on you will find use for it. Devs Manager allows you to simply swap certain Workbench extensions between the Devs drawer where they are active, and the storage drawer where they are made inactive.

This allows you to enable or disable the various extension in the Devs drawer – DOS divers, Printer drivers, key board maps, Monitor drivers and Data Types. It also allows you to store programs from the WBStartup drawer, therefore allowing you to easily disable startup programs. The program needs no installation and only consists of a couple of buttons and list views, so is very simple to use.



Simplify your life with Devs Manager, handling DOSdrivers has never been simpler

Jargon box

Commodity – a commodity is a special sort of program that allows you to control it through the Exchange program. From exchange you can disable, hide, and remove commodities.

Gadgets – refer to the various types of buttons and sliders available for you to click on in Workbench and programs. The close window gadget in the top left of all Workbench windows is a good example.

Boot – when you first turn on your computer your machine will boot up – this simply means start up. To re-boot your machine press both the Amiga keys either side of the space bar and the Ctrl key.

Ram Disk – instead of having to only use disks, the Amiga allows your computer's memory to be used as a disk. This memory storage space is referred to as the RAM Disk. Strangely, no other computer lets you do this.

Data Types

Workbench: 3.0

A new part of Workbench, introduced in version three, Data Types allow any program that supports them to recognise and load any Data Type that you have installed on your machine. When you first get your new Amiga you only have the basic IFF formats, which do however cover samples, pictures, animations and text. As the rest of the world uses many different file formats, it is handy to have a few others at hand.

Gather together the most common Data Types which includes GIF, Jpeg, TIFF, WAVE, VOC and Font ones. All have installer scripts for simple installation, and once installed allow programs such as MultiView to handle all these new file formats.

We give you the most essential Data Types, for both sample and picture files

Shareware

Many of the programs on the two cover disks are what are commonly known as Shareware. Such well written programs take many hours to write and a lot of hard work and dedication on the part of the programmer. When a program is called shareware it means the programmer has generously allowed you to try out their program, a lot of the time with no restrictions, and if you then decide you like it you are obliged to send the author the shareware fee.

Normally this is no more than ten pounds and in return the author will usually keep you supplied with the latest version of that program, along with their undying grattitude of course.

www.reserve.co.uk
The Special Reserve Discount Club

CANNON FODDER 2 **12.99**

ELITE **4.99**

CIVILISATION AGA **13.99** A1200

WING CMDR **5.99**

MICROPROSE GOLF **7.99**

WORMS **18.99**

ALIEN BREED 3D **21.49** A1200

CHAMP MGR 2 **20.99**

ZEEWOLF **14.99**

GLOOM DELUXE **20.99**

IMPORTANT - PLEASE NOTE
NOP = not A500 +, A600 or A1200
NO12 = will not work on A1200
512K = will work on 512k machines
HDR = Hard Drive Required
EDR = External Drive Required
* = NEW Item
XS SAVER = deduct amount shown until date shown

A1200 GAMES

ACID ATTACK COMPILATION
GUARDIAN, ROADKILL AND SUPER SKIDMARKS * 22.99

ALIEN BREED 2 ..... 8.99
ALIEN BREED - TOWER ASSAULT 15.49
ALIEN BREED 3D 21.49
ANDRE AGASSI TENNIS 20.99
BODY BLOWS 11.99
CIVILISATION AGA 13.99

CORE COMPILATION VOL 1
BANSHEE, SKELETON KREW, HEIMDALL 2 ..... 15.99

DETROIT 21.99
DUNGEON MASTER 2 ..... 23.49
EXTREME RACING * 20.99
FEARS 20.99
FIELDS OF GLORY 12.49
FOOTBALL GLORY 14.99
GLOOM ('DOOM' CLONE) 20.99
HIGH SEAS TRADER 22.49
JUNGLE STRIKE 12.99
KINGPIN 10.99
NEW WORLD OF LEMMINGS 22.49
ODYSSEY 20.99
ON THE BALL - LEAGUE EDITION (HDR) 12.49
PGA EUROPEAN TOUR 14.99
PINBALL ILLUSIONS 19.49
POLE POSITION 19.49
SHADOW FIGHTER 10.99
SIM CITY 2000 (HDR & 5MB) 14.99
SIMON THE SORCERER 14.99
SKELETON KREW 18.99
SOCCER SUPER STARS 9.99
STAR CRUSADER 19.99
SUB WAR 2050 ..... 18.99
SUPER STARDUST 18.99
SUPER STREETFIGHTER 2 TURBO * 26.99
THEME PARK 22.99
UFO - ENEMY UNKNOWN 22.99
ULTIMATE SOCCER MANAGER 19.99
WINDOP 19.99
WEMBLEY - INT'L SOCCER 15.99

A1200 UTILITIES

BRILLIANCE V.2 AGA
PREMIER PROFESSIONAL ART PACKAGE. (HDR) 48.99

MONEY MATTERS 4
INCLUDES NEW LOAN CALCULATOR, FOREIGN CURRENCY CALCULATOR, HOME INSURANCE INVENTORY AND WORKBENCH CLIPBOARD SUPPORT * 44.99

PC TASK V.3.1
SOFTWARE PC EMULATION SYSTEM FOR AMIGA A1200. WINDOWS COMPATIBLE WHEN USED WITH A4000 OR EQUIVALENT REQUIRES MS DOS 3.3 OR ABOVE 59.99

PHOTOGENICS V1.2
THE ULTIMATE GRAPHICS AND MANIPULATION PROGRAM WITH MULTIPLE FILE FORMAT SUPPORT (INCLUDES IFF, GIFF, JPEG) AND MANY EDITING FEATURES. RATED 95% BY AMIGA FORMAT 53.99

VISTA PRO (LITE)
CREATE SPECTACULAR VIRTUAL WORLDS WITH THIS POWERFUL SCENERY CREATOR AND ANIMATOR. (HDR) 26.99

WORDWORTH V5
NEW FEATURES IN THIS VERSION INCLUDE STYLE SHEETS, FOOTNOTES, FONT EFFECTS, QUICK PRINTING, IMPORT FROM FINAL WRITER AND MANY MORE IMPROVEMENTS * 65.99

AMIGA GAMES

A10 TANK KILLER 12.99
ALIEN BREED - T/ASSAULT (512K) 14.99
ALIEN BREED 2 ..... 8.99
ANDRE AGASSI TENNIS 18.99
APPROACH TRAINER 29.99
ARCADE POOL 7.99

AWARD WINNERS 3
CIVILISATION, ELITE 2, LEMMINGS 24.99

AWARD WINNERS GOLD
SENSIBLE SOCCER, ELITE, JIMMY WHITES SNOOKER, ZOOL 20.99

B17 FLYING FORTRESS 12.99

BEAU JOLLY COMP
CANNON FODDER, SETTLERS, CHAOS ENGINE, T2 ..... 17.99

BEHIND THE IRON GATE 16.99
BIG 100 (100 SHAREWARE GAMES) 8.99
BLACK CRYPT 10.99
CANNON FODDER 12.99
CANNON FODDER 2 ..... 12.99
CENTERFOLD SQUARES 4.99
CHAMPIONSHIP MANAGER 2 ..... 20.99
CHAMPIONSHIP MANAGER COLLECTION (93/94 + UPDATE DISK) 14.99
CHAMP MANAGER ITALIA 93/94 ..... 10.99
CHAMP MANAGER ITALIA 95 ..... 14.99
CHAOS ENGINE (512K) 9.49
CHAOS ENGINE 2 ..... 22.99

CLASSIC COLLECTION - DELPHINE
FLASHBACK, CRUISE FOR A CORPSE, ANOTHER WORLD, OPERATION STEALTH, FUTURE WARS 18.99

CLASSIC COLLECTION - LUCAS ARTS
MONKEY ISLAND, INDY JONES ADVENTURE, LOOM, MANIAC MANSION, ZAK MCKRACKEN 19.99

CLUB FOOTBALL - THE MANAGER 9.99
COLOSSUS CHESS X (NO12) 4.99
CORRUPTION (512K) 4.49
COVER GIRL STRIP POKER * 8.99
CRICKET CAPTAIN (NOP) 4.99
DAILY DOUBLE HORSE RACING 4.99
DESERT STRIKE 10.99
DETROIT 21.99
DOGFIGHT 12.99
DUNE 11.49
DUNE 2 - BATTLE FOR ARRAKIS 13.99
ELITE (512K) 4.99
ELITE 2 (FRONTIER) 12.99
ELITE PLUS 12.99
EYE OF THE BEHOLDER 12.49
EYE OF THE BEHOLDER 2 ..... 12.49
F117A STEALTH FIGHTER 2.0 ..... 12.99
FIELDS OF GLORY 13.99
FIFA INTERNATIONAL SOCCER 17.99
FINAL OVER - ARCADE CRICKET 11.49
FOOTBALL DIRECTOR 2 ..... 4.99
FORMULA 1 - WCE (512K) 14.99
FORMULA 1 GRAND PRIX (512K) 10.49
FORMULA 1 MASTERS 20.99
GLOOM DELUXE 20.99
GOAL (512K) 5.99
GRAHAM GOOCH - TEST MATCH SPECIAL 19.49
- DATA DISK 9.99
- WORLD CLASS CRICKET 12.99

GREMLIN COMPILATION VOL 2
ZOOL 2, LOTUS 3, PREM MANAGER 2, SPACE CRUSADE 18.99

GUNSHIP 2000 ..... 14.99
HEART OF CHINA 12.99
HEROQUEST 2 ..... 9.99
HISTORYLINE 1914-18 ..... 12.99
INDY JONES FATE OF ATLANTIS ADV 13.99
INNOCENT 9.99
JIMMY WHITES SNOOKER (NO12) 9.99
JINXTER (512K) 4.49
JUNGLE STRIKE 12.99
JURASSIC PARK 12.99
KGB (512K) 11.99
KINGPIN 10.99
KNIGHTS OF THE SKY 12.49
LEISURE SUIT LARRY 1 ..... 11.49
LORDS OF THE REALM 21.49
LOST VIKINGS (512K) 9.99
LURE OF THE TEMPTRESS 11.99
MAN UTD PREM LEAGUE CHAMPS 7.99
MAN UNITED - THE DOUBLE 22.99
MICRO MACHINES (512K) 12.99
MICROPROSE GOLF 7.99
MORTAL KOMBAT 9.99
MORTAL KOMBAT 2 ..... 19.99
MR BLOBBY (512K) 4.99
NICK FALDO'S GOLF (512K) 6.99
ON THE BALL - LEAGUE EDITION 12.49
PGA EUROPEAN TOUR 12.99

PINBALL DOUBLE PACK
PINBALL DREAMS & FANTASIES 17.49

PINBALL DREAMS 13.99
PINBALL FANTASIES (512K) 9.99
PLAYER MANAGER 2 ..... 15.99
POLICE QUEST 3 ..... 12.99
POPULOUS & PROMISED LANDS (512K) (NO12) 10.99
POWERDRIVE 9.99
POWERMONGER & WW1 DATA DISK (512K) 11.49
PREMIER MANAGER 3 + EDITOR 13.99
PREMIER MANAGER 3 EDITOR 9.99
PRIMAL RAGE 22.99
REACH FOR THE SKIES (512K) 11.99
RISE OF THE ROBOTS 14.99
ROAD RASH (512K) 10.49
ROBOCOD 12.99
RUGBY LEAGUE COACH 16.49
SCRABBLE (512K) 16.99
SECRET OF MONKEY ISLAND 12.99
SECRET OF MONKEY ISLAND 2 ..... 12.99
SENSIBLE GOLF 21.99
SENSIBLE WORLD OF SOCCER 21.99
SENSIBLE WORLD OF SOCCER 96 * 22.99
SILENT SERVICE 2 (NO12) 11.99
SIMON THE SORCERER 14.99
SKID MARKS 12.49
SLEEPWALKER (512K) 8.99
SOCCER KID (512K) 7.49

SPACE LEGENDS
WING COMMANDER, MEGATRAVELLER, ELITE 11.99

SPEEDBALL 1 & 2 (512K) 7.99
SPERIS LEGACY 18.99

SPORTS MASTERS
PGA GOLF, INDY 500, ADVANTAGE TENNIS, EUROPEAN CHAMPS 1992 ..... 13.99

STABLE MASTERS 20.99
STEVE DAVIS WORLD SNOOKER 4.99
STREETFIGHTER 2 (512K) 11.49
SUPER SKID MARKS 2 ..... 20.99
SUPER STREETFIGHTER 2 ..... 19.99
SWIV (512K) (NOP) 4.99
SYNDICATE 12.99

THE LOST TREASURES OF INFOCOM 1
20 CLASSIC TEXT ADVS (512K) 19.49

THEME PARK 22.99
TORNADO 12.99
UFO - ENEMY UNKNOWN 20.99
ULTIMATE SOCCER MANAGER 19.99
VIROCOP 19.99
WING COMMANDER 1 ..... 5.99
WINTER OLYMPICS 9.99

WORLD CUP YEAR 94
GOAL, CHAMP MGR 94 + DATA DISK, STRIKER, SENSIBLE SOCCER 12.99

WORLD OF GOLF 20.99
WORMS 18.99
ZEEWOLF 14.99
ZEEWOLF 2 ..... 23.99

XTRA SAVINGS ON COLONIZATION & FLIGHT OF AMAZON QUEEN

COLONIZATION (A1200) 22.99
COLONIZATION (A500/600) 22.99
XS COLONIZATION - DEDUCT £5 UNTIL FEB 7
RRP = £34.99 SRP = £22.99 - £3 SAVE £15.00

FLIGHT OF THE AMAZON QUEEN 16.99
XS AMAZON - DEDUCT £3 UNTIL DEC 28
RRP = £19.99 SRP = £16.99 - £3 SAVE £6.00

AMIGA UTILITIES

DATASTORE 2
PERFORMANCE ENHANCEMENTS OVER DATASTORE, LIST VIEW, USER DEFINED REPORTS AND MANY MORE FEATURES * 44.99

DELUXE PAINT 3
POWERFUL ART AND ANIMATION PACKAGE 6.99

GB ROUTE PLUS
POWERFUL AND EASY TO USE ROUTE PLANNING SYSTEM 36.99

HOME ACCOUNTS
BEST SELLING MONEY MANAGING APPLICATION 9.99

HOME ACCOUNTS 2
TOP FEATURED PERSONAL FINANCE/SMALL OFFICE MANAGER 25.99

MINI OFFICE
INTEGRATED WORD PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES 37.99

ORGANISER 2
VERY EASY TO USE PERSONAL INFORMATION MANAGER * 44.99

PERSONAL PAINT V6.4
AN EXCELLENT INTRODUCTION TO THE WORLD OF GRAPHICS * 44.99

WORDWORTH V1.2 SE
PROFESSIONAL WORD PROCESSOR. FEATURES WYSIWYG DISPLAY 14.99

WHEN YOU JOIN:

Buy any item at the same time as joining or renewing for one year and we'll give you

GUYVER 1
Animated Action MANGA VIDEO (Rated 15)

OR

SUPERMODEL KELLY
Top quality laminated MOUSE MAT

ABSOLUTELY FREE

Just state your choice as you order. Overseas members add £2 carriage. Existing member can renew early to take advantage of these offers

NEW from Manga Video
STREET FIGHTER 2 ANIMATED MOVIE
rated 15 VHS tape
12.99

CD32 SOFTWARE

AKIRA 19.99
ALIEN BREED - TOWER ASSAULT 20.99
ALIEN BREED 3D 22.49
ANDRE AGASSI TENNIS 20.99
ARCADE POOL 10.99
BATTLECHESS 18.99
BRUTAL FOOTBALL 16.99
BUBBLE AND SQUEAK 15.99

CORE COMPILATION VOL 2
BANSHEE, SKELETON KREW, HEIMDALL 2, UNIVERSE 15.99

CORE COMPILATION VOL 3
BUBBA 'N' STIX, PREMIER, CHUCK ROCK 1 & 2 ..... 16.99

ELITE 2 (FRONTIER) 18.99
FEARS 20.99
FIELDS OF GLORY 10.99
FINAL OVER - ARCADE CRICKET 13.49
FURY OF THE FURRIES 12.99
GLOOM ('DOOM' CLONE) 20.99
GLOOM 2 ..... 20.99
GUARDIAN 19.99
GUNSHIP 2000 ..... 12.99
JUNGLE STRIKE 12.99
KINGPIN 12.49
LEMMINGS 6.99
LOST EDEN 24.99

MAKIN' MUSIK
EVERYTHING YOU COULD POSSIBLY NEED TO CREATE QUALITY MUSIC. INCLUDES OVER 1000 SOUNDS, OVER 100 MUSIC MODULES AND MANY CREATION TOOLS. SUITABLE FOR OVERDRIVE CD AND EXPANDED CD32 SYSTEM
VIA SX-1 ..... 19.99

MICROCOSM 14.99

MICROFRENCH CD (B TO ADULT)
THE FIRST EVER LANGUAGE COURSE FOR THE CD-32. FEATURES REAL SPEECH. COMPLETE WITH GCSE PHRASE BOOK 27.99

MORPH 2.99
OSCAR & DIGGERS 3.99
PINBALL FANTASIES 19.99
PINBALL ILLUSIONS 19.49
PIRATES GOLD 14.99
RISE OF THE ROBOTS 9.99
ROAD KILL 12.99
ROBOCOD (JAMES POND 2) 3.99
SHADOW FIGHTER 10.99
SIMON THE SORCERER 14.99
SKELETON KREW 18.99

SPEEDBALL 2 ..... 12.99
XS SPBALL 2 - DEDUCT £5 UNTIL DEC 28

SPERIS LEGACY 19.99
STAR CRUSADER 19.99
SUB WAR 2050 ..... 12.99
SUPER STARDUST 18.99
SYNDICATE 23.99
THEME PARK 22.99
TOP GEAR 2 ..... 16.99
TRIVIAL PURSUIT 9.99
UFO - ENEMY UNKNOWN 15.99

ULTIMATE BODY BLOWS
BODY BLOWS & GALACTIC 9.99

VITAL LIGHT 12.99
WORMS 20.99

BLANK DISKS

FROM 7.99 FOR 10

SPECIAL RESERVE BLANK DISKS ARE BRITISH MADE GUARANTEED ERROR FREE. TDK DISKS ARE BRANDED AND BOXED IN TENS. LABELS SUPPLIED

PACK OF 10 TDK MF-2DD 3.5" DISKS (DSDD BRANDED) 7.99

PACK OF 50 TDK MF-2DD 3.5" DISKS (DSDD BRANDED) 22.99

PACK OF 10 SPECIAL RESERVE HD
3.5" DISKS + FREE PLASTIC FLIP TOP DISK BOX 7.99

PACK OF 10 TDK FORMATTED 2HD
3.5" DISKS INCLUDES ONE FREE DISK AND 10 CAPACITY DISK BOX WHILE STOCKS LAST 9.99

PACK OF 50 SPECIAL RESERVE HD
3.5" DISKS 19.99

PACK OF 50 TDK FORMATTED 2HD
3.5" DISKS INCLUDES FIVE FREE DISKS AND FIVE 10 CAPACITY DISK BOXES WHILE STOCKS LAST 28.99

3.5" FLOPPY DRIVE HEAD CLEANER 6.99

AMIGA LEADS

(PLEASE STATE "AMIGA" WHEN ORDERING)

ANALOGUE JOYSTICK ADAPTOR FOR AMIGA ALLOWS ANY 15 PIN ANALOGUE PC JOYSTICK TO BE USED ON ALL AMIGAS WITH GAMES THAT ALLOW ANALOGUE CONTROL 9.99

ANTI-SURGE 4 WAY TRAILING MULTIPLUG CONNECTS 4 DEVICES TO ONE MAINS OUTLET AND PROTECTS AGAINST ELECTRICAL SURGES 24.99

HI-FI AUDIO LEAD - AMIGA/CD32
TO STEREO (1.5 METRES, 2 X PHONO PLUGS TO 2 X PHONO PLUGS) 5.99

MONITOR LEAD - AMIGA CD32
TO CM8833 MKII OR 1084S MONITOR 12.99

MONITOR LEAD - AMIGA
TO CM8833 MKII OR 1084S MONITOR 12.99

NULL MODEM CABLE (25 PIN) 9.99

PORT EXTENSION ADAPTOR
PACK OF TWO EXTENDS JOYSTICK AND MOUSE PORTS BY 21CMS 7.99

PRINTER LEAD 1.5 METRES 5.99

PRINTER LEAD 5 METRES 9.99

RF LEAD - TV TO CONSOLE OR COMPUTER (2 METRES) 4.99

RF SWITCH - AMIGA, ST OR CONSOLE
SWITCH BETWEEN TV AERIAL AND COMPUTER WITHOUT DISCONNECTING LEADS 5.99

ROBOSHIFT INTERFACE PLUGS MOUSE & JOYSTICK IN ONE PORT 9.99

SCART LEAD - AMIGA CD32
TO TV WITH SCART INPUT 10.99

SCART LEAD - AMIGA
TO TV WITH SCART INPUT (WORKS WITH ALMOST ALL TV's) 10.99

BOOKS

CANNON FODDER OFFICIAL GUIDE 10.99
COMPLETE IDIOTS GUIDE TO THE INTERNET 20.49
DUNGEON MASTER HINT BOOK 3.99
INDIANA JONES AND FATE OF ATLANTIS HINT GUIDE SPECIAL RESERVE CLUB VERSION 3.99
INSIDE COMPUSERVE 5TH EDITION 23.99
INTERNET FOR DUMMIES 17.99
SECRET OF MONKEY ISLAND HINT BOOK 9.99
SECRET OF MONKEY ISLAND 2 HINT BOOK 9.99
SECRETS OF FRONTIER (ELITE 2) 9.49
SIMCITY 2000 OFFICIAL HANDBOOK 15.99
THE UK INTERNET BOOK 2ND EDITION 19.99
TOTAL! AMIGA BEGINNERS 14.99
TOTAL! AMIGA DOS A COMPREHENSIVE GUIDE TO THE USE OF AMIGA DOS 14.99
TOTAL! AMIGA WORKBENCH CONTAINS ALL YOU EVERY WANTED TO KNOW ABOUT WORKBENCH 14.99
UFO (XCOM) STRATEGIES AND SECRETS 12.99

JOYSTICKS AND MICE

QUICKSHOT 137F PYTHON
WITH AUTOFIRE
10.99

QUICKJOY HYPERPAD
WITH DUAL SPEED AUTOFIRE
9.99

TECHNOPLUS SUPER PRO ZIP STICK
MICROSWITCHED WITH AUTOFIRE
12.99

FREEWHEEL STEERING WHEEL
DIGITAL VERSION, IDEAL FOR DRIVING AND FLIGHT SIMS BEST USED WITH FOOT PEDAL
12.99

QUICKJOY FOOTPEDAL
TRANSFERS JOYSTICK FUNCTIONS TO FOOTPEDALS, IDEAL FOR USE WITH FREEWHEEL STEERING WHEEL
12.99

DYNAMICS COMPETITION PRO JOYPAD FOR CD32 AND AMIGA
TURBO AND AUTOFIRE
16.99

EKLIPSE MOUSE FOR AMIGA
290 DPI, 2 BUTTON MICROSWITCHED, FREE MOUSE MAT
11.99

ALFA MEGAMOUSE 400
HIGH QUALITY 400 DPI, 2 MICROSWITCHED BUTTONS
13.99

OVERDRIVE HARD DRIVES

THESE HIGH SPEED HARD DRIVES ARE SUITABLE FOR THE A1200 AND A600. COMPLETE WITH SYSTEM SOFTWARE PRE-INSTALLED AND POWER SUPPLY. THESE DRIVES PLUG INTO THE PCMCIA SLOT OF YOU AMIGA AND THEREFORE DO NOT INVALIDATE THE WARRANTY

OVERDRIVE 250 MB HARD DRIVE 239.99
OVERDRIVE 1.25 GB (1272 MB) HARD DRIVE 299.99

INTERNAL 2.5" HARD DRIVES

HIGH SPEED DRIVE FOR AMIGA A1200 AND A600 & SX-1, COMPLETE WITH FITTING INSTRUCTIONS AND PRE-INSTALLED SYSTEM SOFTWARE. NOTE OPENING YOUR AMIGA INVALIDATES THE WARRANTY. PLEASE STATE A1200, A600 OR SX-1 ON YOUR ORDER

170 MB 2.5" INTERNAL HARD DRIVE FOR AMIGA 134.99
340 MB 2.5" INTERNAL HARD DRIVE FOR AMIGA 169.99

EXTERNAL DISK DRIVE 49.99

880K FORMATTED CAPACITY, LONG REACH CABLE, COLOUR MATCHED DESIGN, HIGH QUALITY DESIGN

ZYDEC ZYFI PRO 2 STEREO SPEAKERS 47.99

SUPERB HI-FI QUALITY SPEAKERS PERFECT FOR ALL COMPUTERS AND PERSONAL HIFI. 36 WATTS RMS, BASS, TREBLE AND VOLUME CONTROL. POWERED BY MAINS (LEAD SUPPLIED). WITH THUNDERING BASS

MOUSE MATS

RESERVE.CO MOUSE MAT
SPONGE BACKED
4.99

MOUSE MATS WITH NON SLIP BACKING AND POLYCARBONATE COATING FOR LONG LIFE

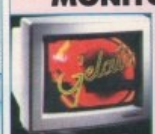
STAR TREK TNG CREW ... 9.99
GENERATIONS - TWO CAPTAINS ... 9.99
FLOATING BENCH ... 9.99

RAM UPGRADES

TRAPDOOR RAM EXPANSION FOR A500+, A600 AND A1200

1 MB A500 PLUS RAM WITH CLOCK 29.99
1 MB A600 RAM WITH CLOCK 42.99
4 MB RAM BOARD FOR AMIGA A1200 WITH CLOCK 184.99
4 MB + FPU RAM BOARD FOR AMIGA A1200 WITH CLOCK AND ADDITIONAL FAST 33 MHz FLOATING POINT UNIT FOR MATHS AND GRAPHICS ACCELERATION 239.99

MONITOR AND STEREO TV



AMIGA M1438 14" MULTISYNC MONITOR 289.99
NEW MONITOR FROM AMIGA TECHNOLOGIES FOR A1200 AND A4000. WITH BUILT IN STEREO SPEAKERS. 0.28 DOT PITCH MPRII LOW RADIATION. SIGNAL AND POWER LEADS SUPPLIED

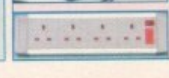
NOKIA 14" SCART TV 164.99
• REMOTE CONTROL • SQUARE TINTED TUBE
• HEADPHONE SOCKET • SCART SOCKET

NOKIA 14" NICAM STEREO TV 214.99
AS ABOVE PLUS FASTEXT
NICAM DIGITAL STEREO
AND ADJUSTABLE SOUND DEFLECTORS

SCART LEAD - AMIGA TO SCART TV (NOT GOLDSTAR) 10.99

POWER SUPPLY

COMMODORE AMIGA POWER SUPPLY 27.49
COMPATIBLE WITH AMIGA A500, A600 AND A1200
23 WATTS STANDARD OUTPUT



ANTISURGE 4 WAY TRAILING MULTIPLUG ... 24.99
SAFLEY CONNECTS 4 DEVICES TO ONE OUTLET AND PROTECTS AGAINST ELECTRICAL SURGES

AMIGA A1200 MAGIC PACKS

Amiga A1200 computer with powerful 32 bit CPU combined with AGA chipset offering superb graphics and sound capabilities.
Built in keyboard, internal disk drive, TV modulator and many industry standard ports to allow connection to monitors, modems, printers, scanners, CD ROM drives, hard drives and much more. Fully multi-tasking Workbench 3.1 operating system and 20 software titles.

WORDWORTH V4 SE, PHOTOGENICS V1.2 SE, DATASTORE V1.1, ORGANISER V1.1, PERSONAL PAINT V6.4, TURBO CALC V3.62, WHIZZ AND PINBALL MANIA

WITH 20 SOFTWARE TITLES
12 FREE FROM SPECIAL RESERVE

MONITOR NOT INCLUDED

PLUS FREE FROM SPECIAL RESERVE ZOOL, LEMMINGS, EPIC, SPEEDBALL 1 & 2, MYTH, TRIVIAL PURSUIT, DENNIS, OSCAR, WING COMMANDER AND CIVILISATION AGA

PLUS FREE FROM SPECIAL RESERVE 2 EXTRA UTILITY PACKAGES DELUXE PAINT 4 AND PRINT MANAGER

AMIGA A1200 2/0 MAGIC PACK
PLUS 10 FREE GAMES 399.99

A1200 COMPUTER WITH 2MB RAM, MAGIC PACK SOFTWARE AND 10 FREE GAMES

AMIGA A1200 2/170 SCALA MAGIC PACK
WITH 170MB INTERNAL HARD DRIVE
PLUS 10 FREE GAMES 499.99

A1200 COMPUTER WITH 2MB RAM, 170MB INTERNAL HARD DRIVE, SCALA MM300 MULTIMEDIA SOFTWARE, MAGIC PACK SOFTWARE AND 10 FREE GAMES

Personal Paint

TURBO CALC v3.6

FREE SOFTWARE MAY VARY SUBJECT TO STOCK

AMIGA CD32
CRITICAL ZONE PACK 159.99

CD32 CONSOLE OFFERING GRAPHICS CAPABILITY OF 262,144 COLOURS ON SCREEN FROM A PALETTE OF OVER 16 MILLION. HIGH QUALITY AUDIO WITH THE ABILITY TO PLAY MUSIC CD'S. PACK INCLUDES SEVEN GAMES, LIBERATION, CANNON FODDER, MICROCOSM, ULTIMATE BODY BLOWS, PROJECT X, DIGGERS AND OSCAR ON CD PLUS A 6 BUTTON CONTROL PAD

SAVE £70

WITH 7 GAMES

CARE & PROTECTION

DUST COVERS - HIGH QUALITY CLEAR PVC

COVER FOR 14" MONITOR ...6.99	COVER FOR A1200 ... ...5.49
COVER FOR 80 COLUMN PRINTER 5.99	COVER FOR A600 ... ...5.49
	COVER FOR A500 ... ...5.49

3.5" FLOPPY DISK AND CD STORAGE

DELUXE DISK BOX 3.5" 120 CAPACITY WITH DIVIDERS 9.99

CD WALLET (48 CAPACITY) STORES CD'S NEATLY AND SAFELY ... 14.99

MEDIA LIFE DISK FILE DRAWER 3.5" 240 CAPACITY, STACKABLE ... 16.99

MEDIA LIFE CD FILE DRAWER 30 CAPACITY, STACKABLE ... 12.99

SAVE £50

FAST FAX/MODEMS

- FULLY APPROVED FOR CONNECTION TO BT
- MNP2-5 V42bis, CLASS 1, 2 AND GROUP 3 FAX COMPATIBLE
- FREE 1 MONTH SUBSCRIPTION TO COMPUSERVE
- FREE INTERNET SUBSCRIPTION OFFER
- FREE INDIGO FAX BOX OFFER
- FREE TECHNICAL SUPPORT
- FREE SUBSCRIPTION OFFER TO .NET MAGAZINE
- FREE INTERNET STARTER GUIDE
- MASSIVE 7 YEAR WARRANTY

TORNADO EXTERNAL 14.4 FAX/MODEM FOR AMIGA WITH TERMITE SOFTWARE & CABLES 129.99

TORNADO EXTERNAL 28.8 FAX/MODEM FOR AMIGA WITH TERMITE SOFTWARE & CABLES 209.99

FREE EXTRA COLOUR RIBBON

FREE PRINTER LEAD

COLOUR PRINTERS

CITIZEN ABC COLOUR DOT MATRIX ONLY 144.99

24 PIN, 80 COLUMN, 192 CPS/64 LQ, 2 YEAR WARRANTY. FREE EASYSTART SOFTWARE. FREE EXTRA COLOUR RIBBON. THE EASIEST PRINTER TO USE ON THE MARKET

QUALITY COLOUR PRINTING HAS NEVER BEEN SO AFFORDABLE

CANON BJC 4000 COLOUR INKJET ONLY 279.99

64 NOZZLES, 80 COLUMN, 5 FONTS, 8 PPM, 360 DPI BUILT IN SHEET FEEDER (100 SHEETS) FREE EXTRA COLOUR CARTRIDGE. VERY DIFFICULT TO BEAT

FREE PRINTER LEAD

FREE EXTRA COLOUR CARTRIDGE

CAN YOU FIND ANOTHER DEAL LIKE THIS?

PCI DX4/100
QUAD MULTIMEDIA PC

From Only 1021.27+ VAT with 4 MB RAM and everything shown including 1.25 Gig Drive and Windows 95

- Microsoft Windows 95 operating system
- Samsung 1272 MB (1.25 Gig) super high speed drive
- Very attractive mini-tower case
- Powerful 486 DX4/100 MHz processor (more powerful than a Pentium P60)
- 128K cache upgradeable to 256K
- Fast 1 MB PCI 32-bit graphics accelerator
- Enhanced IDE controller supports four drives
- 5 drive bays, 4 PCI slots, 4 16-bit ISA slots
- Expandable to 64 MB RAM
- Samsung 14" Syncmaster 0.28 dot pitch SVGA award-winning monitor with tilt and swivel stand
- Windows 95 keyboard, mouse and mouse mat
- Fitted Quad Multimedia plus software

2 YEAR ON-SITE WARRANTY

TRUST MULTIMEDIA PC
MASSIVE
1272 MB
SUPER HIGH SPEED HARD DRIVE
(1.25 GIGABYTE)
WITH
WINDOWS 95,
FAST
QUAD SPEED CD
GENUINE
SOUND BLASTER 16
PRO. MICROPHONE & SPEAKERS.
AWARD WINNING
SAMSUNG 14"
SVGA SYNCMASTER MONITOR.
ADDITIONAL
£500 WORTH
OF MICROSOFT CD's.
PLUS
8 CLASSIC GAMES
AND
2 YEAR ON-SITE
WARRANTY

PENTIUM P100
QUAD MULTIMEDIA PC

From Only 1327.65 + VAT with 8 MB RAM and everything shown including 1.25 Gig Drive and Windows 95

- Microsoft Windows 95 operating system
- Samsung 1272 MB (1.25 Gig) super high speed drive
- Large sculpted midi-tower case
- Intel Pentium P100 MHz processor (or optional Pentium P120 MHz CPU)
- 256K cache upgradeable to 1MB
- Fast 1 MB PCI 32-bit graphics accelerator
- Enhanced IDE controller supports four drives
- 6 drive bays, 4 PCI slots, 4 16-bit ISA slots
- Expandable to 128 MB RAM
- Samsung 14" Syncmaster 0.28 dot pitch SVGA award-winning monitor with tilt and swivel stand
- Windows 95 keyboard, mouse and mouse mat
- Fitted Quad Multimedia plus software

2 YEAR ON-SITE WARRANTY

PRICES AND SPECIFICATION SUBJECT TO CHANGE, PLEASE REFER TO CLUB MAGAZINE FOR CONFIGURATIONS AVAILABLE

REGULAR 48-PAGE COLOUR CLUB MAGAZINE
CHEATS & MOVES
RELEASE SCHEDULE
CHARTS
REVIEWS
HUGE RANGE
ALL GENUINE UK PRODUCTS
HEAVY DISCOUNTS
XS SAVERS
CREDIT TERMS
GREAT PRIZES TO BE WON

10am to 8pm
7 days a week!
01279 600204

www.reserve.co.uk
The Special Reserve Discount Club

Special Reserve - The Biggest Games Club in the World - NOW on the Internet!

Club Shops at
CHELMSFORD, ESSEX
43 Broomfield Road.
Just around the corner from the bus station.

SAWBRIDGEWORTH, HERTS
The Maltings, Station Road.
A few miles from the M11, near the station.

Items bought in the shops carry a 50p surcharge on the Mail Order prices. Members only but you can order as you join.

UNLESS STATED ALL PRICES INCLUDE VAT & DELIVERY

SEGA SATURN
WITH ONE CONTROLLER, SCART LEAD AND ONE GAME. CHOOSE FROM DAYTONA USA, PANZER DRAGOON OR VIRTUA FIGHTER

IN STOCK NOW

SEGA SATURN 309.99
WITH ONE CONTROLLER AND ONE GAME
Choose from Daytona USA, Panzer Dragoon or Virtua Fighter
RF Interface for Saturn ... 16.99

BUG	35.99	PEBBLE BEACH GOLF	35.99
CLOCKWORK KNIGHT	32.49	RAYMAN •	34.99
CLOCKWORK KNIGHT 2	31.99	ROBOTICA	31.99
CYBER SPEEDWAY	31.99	SEGA RALLY •	43.99
DAYTONA USA	42.99	SHINOBI X	32.99
DIGITAL PINBALL	32.99	SIM CITY 2000 •	36.99
FIFA SOCCER 96 •	35.99	STREETFIGHTER - THE MOVIE	32.99
INTERNATIONAL VICTORY GOAL	35.99	THEME PARK	36.99
MANSION OF HIDDEN SOULS	38.99	TILT	32.99
MORTAL KOMBAT 2	39.99	VIRTUA COP (WITH LIGHT GUN) •	51.99
MYST	38.99	VIRTUA FIGHTER	42.99
NBA JAM TOURNAMENT EDITION	32.99	VIRTUA FIGHTER 2 •	43.99
NHL HOCKEY	38.99	VIRTUA HYDLIDE	35.99
NHL ICE HOCKEY 96 •	35.99	VIRTUA RACING DELUXE	31.99
PANZER DRAGOON	42.99	WING ARMS	38.99

FREE 24 HOUR CARRIAGE FOR THE SEGA SATURN AND THE SONY PLAYSTATION

PLAYSTATION
WITH ONE CONTROLLER, TV RF LEAD (SCART AVAILABLE) AND PLAYABLE DEMO CD FEATURING DESTRUCTION DERBY, WIPE OUT, LOADED, BATTLE ARENA TOSHINDEN & TOTAL NBA 96

IN STOCK NOW

PLAYSTATION 299.99
WITH FREE EXTRA PAD WORTH 29.99
Run the PlayStation through Scart TV for an even better quality picture
Scart Lead for PlayStation ... 9.99

3D DECATHLON •	32.99	JOHN MADDEN 96 •	34.99
3D LEMMINGS	37.99	JUMPING FLASH	37.99
ACTUA GOLF •	39.99	KILEAK THE BLOOD	37.99
ACTUA SOCCER •	39.99	KRAZY IVAN	37.99
AGILE WARRIOR	32.99	LOADED •	39.99
AIR COMBAT	37.99	LONE SOLDIER	34.99
ASSAULT RIGS	37.99	MORTAL KOMBAT 3	39.99
BATTLE ARENA TOSHINDEN	37.99	NHL ICE HOCKEY 96 •	34.99
CYBER SLED	37.99	NOVASTORM	37.99
DEST DERBY	39.99	PGA TOUR GOLF	36.99
DISCWORLD	37.99	PGA TOUR GOLF 96 •	34.99
DOOM •	37.99	PHILOSOMO	37.99
EXTREME SPORTS	37.99	PSYCHIC DETECTIVE	36.99
FIFA SOCCER 96 •	34.99	RAPID RELOAD	37.99
HI-OCTANE •	34.99	RAYMAN •	34.99
		RIDGE RACER	39.99
		ROAD RASH •	34.99
		S/WAVE ASSAULT •	34.99
		STARBLADE ALPHA	37.99
		STREETFIGHTER - THE MOVIE •	32.99
		STRIKER 96 •	35.99
		TEKKEN	39.99
		THEME PARK	36.99
		TILT	32.99
		TWISTED METAL	37.99
		VIEWPOINT •	34.99
		WARHAWK	37.99
		WING COMMANDER 3	36.99
		WIPE OUT	39.99
		WORMS •	36.99
		X-COM •	29.99

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN

MEMBERSHIP FEES	UK	EC	WORLD
ONE YEAR	£6.00	£8.00	£10.00

Club benefits include regular club magazines, £180 worth of XS Savers (coupons) per year, club competitions and huge discounts across the range. Members are under no obligation to buy.
All prices include VAT and carriage to MOST UK mainland addresses.

Overseas orders must be paid by credit card
Hardware items (battery or mains) are only supplied to the UK addresses
Overseas surcharge £2.00 per software item or 25% on other items

DATE

(BLOCK CAPITALS please)
Name & Address

Postcode
If Mac or PC please state DISK or CD ROM

Phone No Machine

Enter membership number (if applicable) or
NEW MEMBERSHIP FEE (ANNUAL UK 6.00)

item
item
item

Please use this box to add any optional fast delivery charge
1st Class Post 50p per posted item or £3 hardware

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Creditcharge/Mastercard/Switch/Visa

CREDIT CARD EXPIRY DATE SIGNATURE SWITCH (ISSUE NO)

Mail Order address. Cheques payable to:
SPECIAL RESERVE
P.O. BOX 847, HARLOW, CM21 9PH
or FAX a credit card order on 01279 726842 - and we'll FAX back

Inevitably some games listed may not yet be available. Please phone to check availability. Prices may change without prior notification. Sent to press 24.11.95 E. & O.E. SAVE = Saving off full retail price. Inter-Mediates Ltd, The Maltings, Sawbridgeworth, Herts.

Charge card or personal loan subject to status. Please phone for written details.

AMIGA COMPUTING

Laser guidance

A change of reviewer this month as **Andy Maddock** gets his first dose of CD compendiums

I couldn't actually find something interesting enough to demonstrate the LSD Compendium CD, all I could find was a nice picture of Dracula, and here it is

PHASE 2

In the past E.M. Computergraphic have been one of the finest clipart, image and font specialists – especially with Phase 1 being a success and Phase 3 + 4 shortly to arrive. Not only do they cover a wide spectrum of font volumes, they also include some very high quality images and clipart, all divided into specific categories.

Phase 2 continues where Phase 1 left off, with four volumes of colour fonts, not to mention five volumes of postscript fonts, along with 71 for use with Imagine. Along with the font file, you will also be able to view the font as an IFF so you can see it instantly rather than loading up a DTP package and importing them directly.

I had to include a nice image of a puppy, because not only does it make everyone all content, it shows off one of Phase's 256 colour images! Woo!

All the images and artwork are either in IFF 16/256 colours or HAM interlace and they are all of very high quality, with a wide variety of topics including famous people, places, Sci-fi, textures, animals and girls. I have to be honest that this CD is extremely male oriented. Just by loading up girls, you get all kinds of beach/bikini shots, and even when you go to the sport directory, all you find are women exercising in all kinds of positions – not that I'm complaining of course. If you look at the majority of magazines of the shelves – with a few exceptions – you will find pictures of models dotted everywhere and they really are one of the most useful categories, so why not include them?

The index is excellently implemented, making it nice and easy to use, and with a thumbnails file you can, again, view all the pictures from a directory in a second. There are so many pictures you will undoubtedly find a good picture in a high quality resolution that will come in use.

Phase 2 is one of the best complete packages I have seen for a long time – it's the most user-friendly and efficient image/font package on the market.

Bottom line

PRODUCT DETAILS

Product:	Phase 2
Supplier:	E.M. Computergraphic
Price:	£24.99
Phone:	01255 431389

SCORES

Ease of use	90%
Implementation	90%
Value For Money	85%
Overall	90%

SUPER AUTOS 94/95

I have mixed feelings about this CD, mainly because it's full of shiny, brand new, spectacular and, not to mention, expensive cars that I shall never have the privilege of owning. There are pictures of the famous Dodge Viper, Mazdas and Ferraris, not to mention lots of oddly shaped boxes with wheels.

The pictures themselves are obviously photographs from a recent car show, probably somewhere in Europe. They are all presented on stands so unfortunately you don't see pictures of them whizzing around spitting dirt into the air.

There are 100 photos in different formats – Pict, Tiff, Ham8 and GIF. I've tried for the life of me to come up with a proper use for them – such as publishing or artwork - but they are too specific to use in anything mainstream. If you happen to be covering something like '100 great photos of super cars' then this CD-ROM would be of excellent use. You could, for instance, use them as a desktop picture but that's about as useful as they get.

Ooh, that's nice. Oh yes, very nice. It's a Mazda. A silver one. With four wheels. I'm doing that well am I?

It may have been more useful if some documentation on the cars was included because at least you'd be getting a pseudo-encyclopaedia for your money, and you'd actually learn something. However, even for £4.99, which seems relatively cheap, 100 car photos to look at surely is a bit steep.

One thing's for sure though. You'll have to be very careful – once you see the pictures, you'll be itching to nip down to your local showroom to see what they have on offer. It may turn out to be quite an expensive purchase.

Bottom line

PRODUCT DETAILS

Product:	Super Autos 94/95
Supplier:	PD Soft
Price:	£4.99
Phone:	01702 466933

SCORES

Ease of use	80%
Implementation	80%
Value For Money	70%
Overall	70%

SCI-FI SENSATION

Okay, who is the person with the word processor that keeps putting sensation at the end of all these CD titles? At least you are not left with too much doubt as to what is on the CD.

SCI-FI Sensation is a double CD, so you are getting a lot of data for your money. Before trying to click on any of the icons you should run the icon named click-me. This sets up a number of assigns and makes sure all the files and programs work correctly.

A big chunk of the first CD – two thirds of it – is taken up with various pictures, animations, samples, and music taken from a number of the more famous Sci-fi films and series, such as Aliens, Blade Runner, Dr Who, Babylon 5, Terminator 2 and, of course, an absolute ton of Star Trek stuff. Generally, the picture quality ranges anywhere from good to very poor.

Many of the included animations on the first disc are FLIs, which are only ever 8-bit, making them of use for AGA owners only. They do, however, play back fairly quickly on a plain A1200. I was quite interested to see that a good number of the flicks are taken from recent PC games, like BioForge and Full Throttle. It is just a shame the actual games will not be appearing on the Amiga.

Strangely, but still managing to slip into the Sci-fi category, are the collection of Klondike cards, but luckily none are compressed so they can be easily used straight off the CD.

Other things to be found on the CD include 3D objects for various raytracing packages like 3D Studio, Imagine – which has the most objects – LightWave and Real3D. A large selection of fairly good samples, again from many Sci-fi films and series, are organised into their own directories, with such classics as "Open the pod bay doors HAL" and "I'll be back" dotted about.

There is also a selection of Sci-fi games on hand for you to have a good play with. If you are an AGA owner, many of them will not run straight off the CD so you will need to degrade your machine.

Probably of more interest for actual Sci-fi fans is the collection of documents and AmigaGuides of various Sci-fi programs and UFO-type subjects. Dr Who and Star Trek get there usual fanatical coverage, along with a good X-Files section, letting you get all the details and plot twists of the series.

The second CD consists entirely of animations, the main three formats being the Amiga standard IFF Anim5, Mpeg, and a large number of Fli's. There are also a number of AVI animations which is the standard Windoze film format, but there is no supplied player. Therefore, the only way you will get to see these is if you have a version of TAPavi knocking about.

Even though the CD has decent Workbench organisation, most of the pictures and animations are played by selecting them with PD viewers, and the main two used are ViewTek and Flick.

Generally, I think the novelty of this CD will wear out fairly fast. It does have a wider appeal to more than just Sci-fi fans, as anyone will be able to enjoy the animations, pictures and samples. These are generally of a good quality, but once you have seen all the animations and pictures and then shown them to your mate/s., I don't think you will be coming back to this CD too often.

Apart from Star Trek, Star Wars has to be one of the finest science fiction films ever. This CD contains, documentation, pictures and samples of most others too

Bottom line

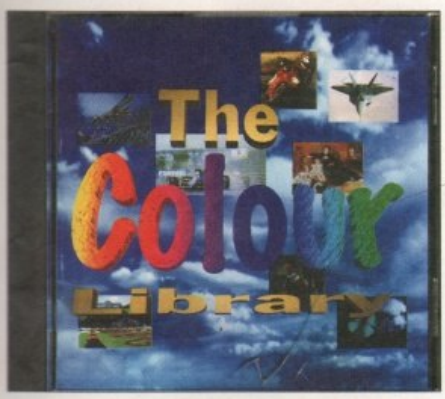
PRODUCT DETAILS

Product:	SCI-FI Sensation
Supplier:	Epic Marketing
Price:	£19.99
Phone:	0500 131485

SCORES

Ease of use	80%
Implementation	70%
Value For Money	70%
Overall	70%

THE COLOUR LIBRARY VOLUME 1



The Colour Library features all the latest graphical PD from all around the world, and contains images and clipart for use with publishing and artwork. Despite the impressions the title may give, it is solely an image/clipart CD-ROM, and has absolutely nothing to do with colour palettes or anything suchlike.

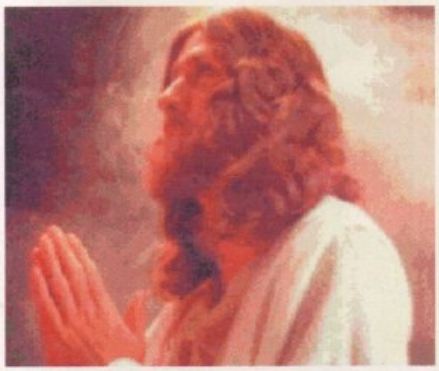
There are over 1,700 clipart and colour images you can import directly from the CD-ROM without the hassle of taking space on your hard drive. There are three applications included to view the artwork and images, so there's no need to buy or run a memory-consuming package just to see the formats.

The PCX datatype is included for you to slide into your Devs drawer so the pictures can be viewed, or you can simply load Fast View which is a simple interface designed to load and view various files. They will appear in a matter of seconds and a wide range of directories can be obtained.

The actual images contained aren't of the same quality as Phase 2, as they are mostly in a low resolution. However, they are still well presented, containing a thumbnails file so you can view all the pictures in a particular directory.

The CD, on the whole, is well documented and includes a wide range of information and instructions for the CD itself as well as the applications included. The subjects for the images and clipart are fairly basic and not too specific, covering Animals, Maps, Dogs, Men, Women, Planes and more.

In all, there's around 600Mb of clipart and images and if you are looking for a cheap image CD packed full of reasonable artwork with a wide range of categories and extra features, then for £9.99 the Colour Library is good value for money.



As you can see from the image, many of them aren't full screen, so they are best used for publishing and clipart. They don't boast tremendous quality either

Bottom line

PRODUCT DETAILS

Product:	The Colour Library
Supplier:	PD Soft
Price:	£9.99
Phone:	01702 466933

SCORES

Ease of use	80%
Implementation	80%
Value For Money	70%
Overall	70%

LSD COMPENDIUM DELUXE VOLUME 3

17 Bit Software are one of the best PD companies around, boasting a tremendous collection of PD and Shareware, and as soon as multimedia on the CD-ROM emerged it was inevitable that PD companies would relish in the fact they could store thousands of products from their own catalogue on CD and release it at a very cheap price. This is exactly what 17 Bit have been doing – and to great effect.

As usual, there is a good 600Mb of applications, utilities, games, modules, demos and more. These compilations are ten-a-penny at the moment because anybody with a half decent library can set one up. So far, there is no doubt that the Aminet series is leading the way – with constant updates and all the latest software, they are very tough competition.

Most of the Software is either archived by Lha or DMS, and a simple double-click will unpack it to your hard drive or floppy disk. Unlike many other CD-ROMs, it does contain some ready-to-run graphic/music demos – this makes a nice change as you escape the archive process – and the demos are of a good quality both graphically and sonically.

There's the usual AmigaGuide database so you can easily search the software/demo you are looking for. However, if you're just browsing and looking for something interesting, then you may find it a little more awkward. This guide, however, is lacking seriously in information. Although the actual CD is well documented, the information on the products is fairly non-existent until you've de-archived it.

Before you buy any of these compilations, it's usually a great help to have an idea of what you actually want. If you are looking for some decent clipart images then a compendium isn't really the best idea, because the images won't be of the variety and quality of specialist clipart CD-ROMs. These compendiums would be more useful if you want to explore the Amiga and find different applications to use, or you want to watch some demos manipulate your Amiga.

If you are looking for something specific in the PD market then the Aminet series is undoubtedly the best. As a big lucky dip of various kinds of animations, clipart, demos, games, source code documents and lots of sexist jokes, the compendium is a very worthy purchase and excellent value for money.

Bottom line

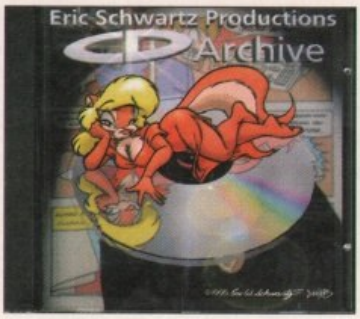
PRODUCT DETAILS

Product:	LSD Compendium Deluxe vol.3
Supplier:	17 Bit Software
Price:	£19.99
Phone:	01924 366982

SCORES

Ease of use	80%
Implementation	70%
Value For Money	80%
Overall	80%

ERIC SCHWARTZ ARCHIVE



This CD was created by the man himself, Eric Schwartz, and contains all of Eric's previously released animations and artwork. He began using an A500 designing small animations on Deluxe paint, and then continued to upgrade his system, eventually using an A4000 to design artwork in higher resolutions for outstanding quality. With his 4000, he is now at ease with packages such as Imagine and LightWave. Eric is not the only artist with work on this CD as his colleagues from former projects have included work too, particularly Les Dietz and Mark Stanley.

This CD is such a dream to use because just clicking on the icons will change the pattern, resolution, colours and screen for use with the animations you want to see, depending on your set-up – ranging from OS 1.3 to 3.0.

The CD contains various animations and pictures of the well known Rachel Racoon whom I've seen many times, although then I had no idea where it came from, or even who it came from.

The Eric Schwartz archive comes with the standard AmigaGuide documentation, as well as being split into directories which are clearly labelled and neatly organised. This always seems to be a big problem with these CDs as you can fit a lot of artwork onto each CD but there tends to be too little time to write a time-consuming AmigaGuide. However, this CD contains all of this and finishes it off very professionally.

If you like to see the more creative side of the Amiga, or you're just a big fan of Eric himself, then this CD cannot be missed. It contains high quality images, such as Rachel Racoon, as well as some superb animations which are all ready to run directly from the CD.

It all adds up to being one of the finest and creative CDs compiled and shows the Amiga's capabilities, while still managing to please the public eye. It'll take you a while to sift through the objects, animations and artwork, so it is extremely good value for money, and shouldn't be missed by any Amiga art fan.

Bottom line

PRODUCT DETAILS

Product:	Eric Schwartz Archive
Supplier:	Amiga Library Services
Price:	£24.95
Phone:	001 602 491 0442

SCORES

Ease of use	80%
Implementation	80%
Value For Money	80%
Overall	80%

For all those that found Wilma Flintstone, Betty Rubble, and Bugs Bunny (when he dressed up as a woman) attractive, you will find Rachel Racoon the goddess of all!

"If it sounds like I raved, then I've communicated successfully exactly how groovy this product is ".

Ami-FileSafe

"It makes as much difference as adding some fast SCSI Zorro III controller from hell".

all quotes from Internet Review:
(comp.sys.amiga.reviews)

available NOW

A Fourth Level Development

Ami-FileSafe
The NEW de facto standard Filing System for your Amiga

pro version

RRP £69.75 inc VAT

for larger & multi-user systems

Secure filing system No more corrupt disks when applications crash whilst writing to disk!!
Super Fast - much faster than FFS.
Instant Directory Listings
Parallel access and negligible performance loss!
Efficient use of disk space.
Large directories do not decrease operating performance.
Multi-User Filing System Support

"There's no doubt about it. This is one *SAFE* mother this Ami-FileSafe system".

Benchmarks

A3000 030 Oktagon SCSI 2

Test	FFS	AFS	Units
DirScan	409	1780	Files/Se
CreateFile	227	1073	k/sec
ReadFile	244	1363	k/sec
Seek and write 4bytes (start & end)			
x100	53.6 Sec	4.4Sec	

AFS: the Amiga Power Tool!

"Brilliant if, like me, you use your Amiga multi-tasking capability to the max".

Fourth Level Developments Certified Amiga Developers 0117 985 4455 (6 Lines)

Ami-FileSafe
Latest User Version

now with auto FFS2AFS conversion!!

go for it today

£29.75
p&p £3

User Version Limits
Up to 650Meg on One AFS Hard drive
No MuFS
Private user licence
Otherwise as Pro-Version

Ami-FileSafe Branded Products Dice V3.01

Tried with Mail Manager again. My *GOD* it was amazing! Tossing sped up from around 500 messages/min up to 1200 or so!

"Without AFS ! -no thanks"

NEW A1200`s & A4000s

Ensure you get AFS with your new Amiga -
Without AFS you are likely to have an an unvalidated hard drive if you reset or your system crashes whilst writing to disk.
Dealers- ask your distributor for details of our special OEM offer-
Remember buy your new Amiga with AFS from a reputable dealer.

mail: sales@flevel.co.uk

"Without AFS ! -no thanks"

Fourth Level Developments Certified Amiga Developers 0117 985 4455 (6 Lines)

A Fourth Level Development

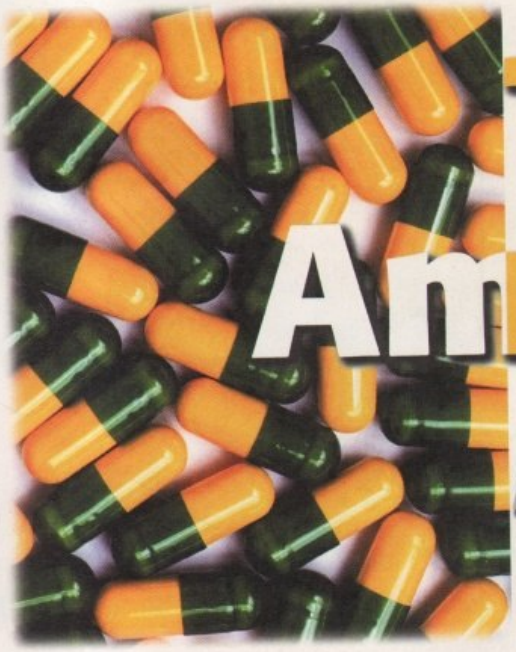
Distributors
UK: FLDistribution
Germany: Stefan Ossowskis Schatztruhe
Sweden: Orebro Videoreklam
Italy: Db-Line
South Africa:MLSystems
USA: AIM

Distributor & Dealer Enquiries +44 (0) 117 955 8225

Access

UK Orders to FLDistribution 31 Ashley Hill Montpelier Bristol BS6 5JA

VISA



The Amiga in health

The **Amiga** is often dismissed in the corporate sector by those who shun it in favour of the PC and Mac. **Tina Hackett** continues this series, taking a look at how the Amiga has found its niche as a serious business contender

Think of a typical doctor's surgery – boring health leaflets lie dog-eared on the shelves with all the appeal of soggy lettuce, and outdated Hello magazines are the only other form of entertainment while you wait for your turn. That is unless your surgery is one of the thousand that is leaping into this century by providing patients with an informative multimedia presentation which gives you the latest health promotion messages and information about the surgery. It's the way forward – and you may be surprised to learn that the computer behind it all is the Amiga.

The brainchild of a Leamington Spa-based company, they have called their enterprise 'The Health Channel', an appropriate enough name for a project which aims to bring information to the public, an aspect which was outlined in the Patients Charter. An in-house development team master the whole project on the Amiga, transfer it to video, then sell the complete package to a doctor's surgery or hospital. Where the client needs something they can edit, they can then buy an Amiga as well which enables them to write over the script and impart vital information immediately.

Tailor made

Divided into three sections, the video is updated bi-monthly and is tailored to each individual surgery. The first eight minutes provide information on the actual surgery such as doctors' names and who the staff are. There are then health promotion messages which last 26 minutes, and a final 10 minutes which is specific to each Health Authority. Health promotion ties in with the latest events on the health calendar such as World AIDS Day or National Autism Week, and they also give more general advice about heart disease and accident prevention.

One of the first to be persuaded to try out the project was Warwickshire Health Authority and others were quick to see the benefits. The system proved invaluable in Coventry recently when there was an outbreak of meningitis. A video explaining symptoms and the course of action to take was sent to the all surgeries in Coventry within 24 hours, providing the public with life-saving information.

And in hospitals it has been very useful too by allowing staff to easily type in information in their Accident and Emergency Department. Nurses are able to type in messages such as why there may be a delay or how long the waiting times is. One hospital, the Whipps Cross day surgery unit, has gone a step further by using the monitors to manage patient flow and actually tell the patients when to move into the correct departments.

The North Staffordshire NHS Trust are using the service in their children's department with a character called Ed the Doc. They believe it helps the children relate more easily to what's going on in a user-friendly way. One example is how the programme shows children what will happen to them in the Haematology department – they get an idea o what to expect and it makes the experienc less foreboding. The Hospital has the informa tion system in 39 of their departments, nine o which have an Amiga 1200 with a genlock s they can add their own messages over th video programme.

Good response

The reaction so far has been very good indee Over 40 Health Authorities, Boards or Trus have been supplied with the equipment th year alone, and it's still increasing. In all the are over 1,000 locations in the Unite Kingdom currently using the service.

The Health Channel also supplied an Amig as part of the Royal College of Nursing's inte active display stand at the Party Politic Conferences – and it won the award as Be Stand!

The project is expanding into the priva hospital sector too where patients are ab to select their meals from the daily me displayed on their bedroom TV sets. Hote are also finding a use, and in conjuncti with Thorn Business Communications, a tr system has been installed into the lo hotel. "It's already making them mone director, Philip Teare, remarked. The ho

Simon Maisey explains how the doctors like the scheme because the Health Authorities have editorial control

The Internet

The Health Channel are already looking for opportunities to expand the project, and one channel they are working on is the Internet. Maisey remarked: "It's the obvious connection to go onto the Internet. The Health Education Board for Scotland wanted to put their information on the Net and we hope to persuade other Authorities to do the same."

By setting up their own home page, they hope they will be able to offer each Health Authority the service of creating their Web page and putting it as a link from this main source.

They suggest that each Authority puts on information such as press releases, job vacancies, and news of their latest activities. One potentially revolutionary idea is that practitioners could use it as an up-to-date reference manual, for example a doctor could easily access the waiting times for a particular operation or find out which specialists work where, and so on.

When asked whether they will stick to the Amiga for this project, Maisey remarked: "Well, we'll probably have to use a PC, but the graphics will still be created on the Amiga!"

The Health Channel are at: ***http://www.ibmpcug.co.uk/~healthch/***

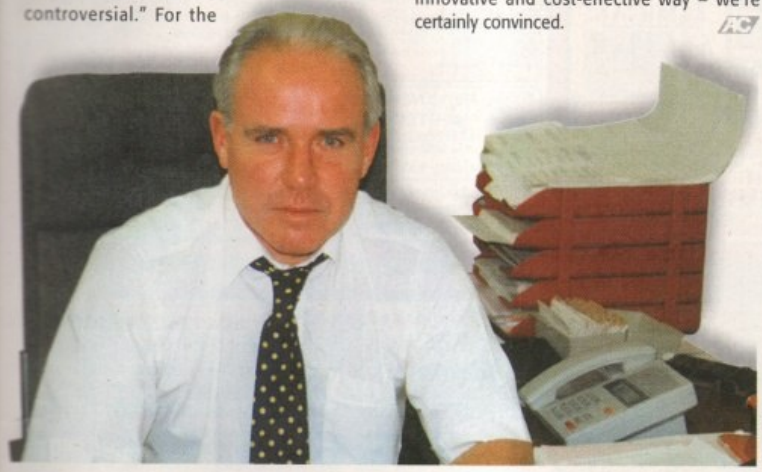
links the Amiga to the televisions in the guests' bedrooms. He cites an example: "One evening the restaurant was packed out, so they put a message into the bedrooms suggesting that if their guests came down at a later time they would receive a complimentary half-bottle of wine – it worked and made them money because it's in their interests to keep the guests in the hotel."

"The Hospital has the information system in 39 of their departments, nine of which have an Amiga 1200 with a genlock so they can add their own messages over the video programme"

IMPRESSIVE

Teare explains that a lot comes down to pricing and their clients are impressed with how inexpensive and reliable the system is. "This is especially true for independent hotels. It's cost-effective – they can easily afford to buy the A1200. There is huge potential here with each hotel having an Amiga 1200 installed."

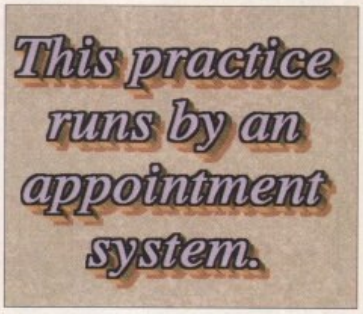
Some hotels are also considering using advertising from local amenities to fund the projects, although this was not suitable for the health authorities. Simon Maisey, director explained: "it may affect the impartiality, plus many of the surgery staff would get hacked off with repetitive jingles all day." He continued: "the doctors like it because they know the Health Authority have editorial control so the content is guaranteed to be accurate and not controversial." For the future, Maisey hopes to be able to persuade all authorities to take up the scheme. He would also like to involve touch screens in some way, although response on this aspect has been slow. However, the project has gone down very well so far – it certainly beats how doctor's surgeries have operated in the past. Patients definitely want to take control of their health and they realise that the responsibility of good health ultimately lies with them. It's good to see Health Authorities living up to their duties in providing this information, especially in such an innovative and cost-effective way – we're certainly convinced.



Philip Teare explains that his clients are all very impressed with how inexpensive and reliable the system is

Health promotion messages and diary events form part of the video

Scala MM400 is used for the main presentation



Each surgery can have the video customised to their requirements

IN-HOUSE PRODUCTION

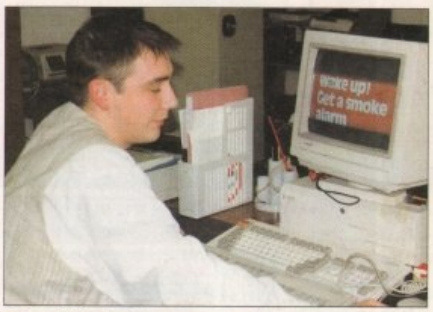
Despite producing over 6000 videos a year, there are only two people in the production department, Richard Budd and Mark Fleming. They produce the video from scratch, from taking the photographs to creating the graphics. They both use an Amiga 4000 to create the videos and use Scala MM400 for the main presentation. They are also aided by Opal Paint, DPaint and PPaint. They use Adorage for the animations.

Budd demonstrated the Cannon ION Camera: "This has definitely made our work a lot easier" he claimed. The Camera can store around 50 pictures to disk and then project them straight onto a computer screen. "It saves waiting for pictures to be developed and we can see immediately whether they've worked or not" he continued. The recent purchase of a Zip drive also makes things easier as they can store a lot more information at low cost, also offering the possibility of selling the client a Zip drive for maybe a two-hour presentation.

Their job varies from sourcing the relevant health information from authorities to creating the still pictures needed for a presentation. Their language skills are also required as some videos need voice-overs adding as well, such as where the text and voice occasionally need to be in Urdu, Hindi or Welsh. However, most request the soft background music.

Budd explained why some prefer to have the A1200 actually there as well as the video: "It depends on the client and whether they need to edit the script or not. We've written some extra software which makes it easy for them to do this."

Richard Budd is one of the in-house production team and is pleased with how well the Amiga copes with the projects



Mark Fleming busy at work on the Amiga! Their job varies from finding out health information to designing graphics

He was keen to express how well the Amiga copes with this sort of work: "It would take so much longer to do this on other machines. I used a Mac when I was doing my degree in design but after using the Amiga I would never go back to it!"

Late Night Opening Wednesday & Thursday till 7.30pm

Open Sunday 11am to 4pm

FIRST COMPUTER CENTRE

HOW TO ORDER

Order by telephone quoting your Credit Card Number. If paying by cheque please make payable to: "FIRST COMPUTER CENTRE" In any correspondence please quote a Phone Number, Post Code & Dept. Allow 5 working days cheque clearance

SHOWROOM ADDRESS:
DEPT. AC, UNIT 3, ARMLEY PARK COURT, STANNINGLEY RD, LEEDS, LS12 2AE.

Lombard Tricity low rate finance now available, call.

LOW COST DELIVERY

- 2-4 Week Days £3.50
- Next Week Day £5.95
- Saturday delivery £10.00

Delivery subject to stock availability

- All prices include VAT @ 17.5%
- Large showroom with parking
- Multi-million pound company
- Overseas orders welcome
- Educational purchase orders welcome

OPEN 7 DAYS A WEEK

Prices are correct at the time of going to press. Please check our latest prices before ordering. All sales are subject to our standard terms & conditions(copy available upon request). E&OE.

Telephone 0113 2319444

24 HR MAIL ORDER SERVICE FAX: 0113 231-9191
NEW! BBS Sales & Technical line Tel: 0113 231-1422
E-Mail sales@firstcom.demon.co.uk
www.demon.co.uk/firstcom

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.

EASY ACCESS FROM M62, M1 and the A1

From M62East Join M1 From the M1 follow signs onto M621. Take A647 Elland Rd turnoff from M621. Follow signs for A58. This merges with the Armley gyratory.From M62West Junction 27, A62 to Armley gyratory. From the A1 take the turnoff for A64. This merges with the A58 (by-passing town centre) which meets Armley gyratory.

Hardware

UK'S cheapest Amiga's A1200 Magic Pack only £349.99

Includes, Wordworth V4SE, Datastore, Organiser, Turbocalc 3.5, Personal Paint V6.4, Photogenics 1.2SE, Pinball Mania & Whizz.

Down in Price

Amiga Magic Pack + 170Mb HardDrive Only!! £489.99

Includes same software pack as Magic Pack, But also includes Scala MM300.

First Starter Pack All for only £19.99
- A1200 dust cover
- 10 x DSDD disks + labels
- Top quality joystick
- Deluxe mouse mat
- 3 x A1200 games

Chaos Software Pack Only!! £19.99
Pack consists of Nick Faldo's Golf, Pinball Fantasies, Syndicate, Chaos Engine

AMIGA A4000T

MC68040-25 Mhz £2089.99
MC68060-50 Mhz £2359.99

- 6Mb RAM expandable to 2 Gig max.
- 1.2Gb SCSI-II Hard Drive
- AGA chip set
- Workbench 3.1
- 1.7Mb 3.5" Floppy Drive
- 4 Channel Stereo
- Scala MM300 Pre-Installed

AMIGA M1438S Monitor Only!! *£259.99 When bought with a computer

CD ROM Drives

Prima shareware CD ROM Valued at £10 free with Reno drive

RENO Portable CD ROM £129.99
- SCSI-2 interface
- 330k/sec data transfer.
- Battery or Mains powered
- Kodak multi-session CD
- Stereo headphones supplied
- 180ms Access Time
- Audio CD operation buttons
- Req. SCSI interface

CD repair kit + 100 Capacity CD storage box only!! £10.99

Wide range of CD & CD32 software always in stock

Squirrel SCSI-II Interface *£45.00
*When bought with any HD/CD ROM drive, £54.99 if bought separate
GVP 4008+ H.D./RAM card £99.99
SCSI II interface card for big box Amiga's.

Overdrive £175.99
2 speed CD ROM fits via PCMCIA slot, no interface req.

SCSI Enclosures PRIMA
These cases are suitable for housing any internal SCSI device, eg CD Roms etc.
Single Case £69.99 Dual Case £89.99

Full range of SCSI cables always in stock

Internal SCSI CD ROM drives

NEC 6Xi6 speed Only!! £292.99
- 900kb/s transfer rate
- SCSI-2 interface
- 145ms access time
- Cache memory 256kb

Sanyo CDR H94A x2 Speed £125.99
Toshiba 5201B x3.4 Speed £158.99
Panasonic CR504B x4 Speed £189.99

HP CDR 4020i

CD-Recorder 4x read/2x write
Tomorrows technology today £929.99
74 Min. Media
10 off £64.99 100 off £575.99

Hard Drives

3.5" Hard Disk Drive with A1200/600 install kit
(We recommend 3.5" drives be fitted by qualified computer engineers)
inc. software, cables and instructions
420Mb..£159.99 540Mb...£184.99
850Mb..£199.99 1.05 Gig...£245.99

3.5" Hard Drive upgrade kit £18.99
Includes set up software, cables and full instructions, no Hard Drive.

New! **External Hard Drives for all SCSI aware Amiga's**
500Mb £199.99 1.0Gig £299.99
Inc. High quality SCSI-II drive, Inc. PSU, SCSI ID selector, Cooling fan and HD prepping/partitioning software
Requires SCSI interface, ie. Squirrel/GVP

2.5" Hard Drives for A600/ A1200 with installation kit
inc. software, screws, cables and instructions

Seagate FUJITSU CONNER
80Mb.....£89.99 130Mb..£109.99
170Mb..£114.99 250Mb..£139.99
340Mb..£179.99 510Mb..£254.99
Quantum TOSHIBA

170 Mb Harddrive
Scala MM-300 pre-installed
Amazing value at only £169.99

Monitors

AMIGA M1438S Amiga Branded Monitor

Same specification as the Microvitec 1438, but also has built in Stereo speakers. £279.99

Amitek 1084 S £199.99
14" Colour CGA Stereo Monitor, Composite Video, Digital RGB, Analog Inputs.

Monitor dust cover £6.99
Copy Holder £9.99
Mounts on to monitor, left or right.
Screenfilter £19.99

Disk Drives

NEW!! NEW!! NEW!! NEW!!NEW!!

Zip Drive £189.99
- Includes:-
- HISOFT Zip Tools
- 1 X 100Mb cartridge
- SCSI interface required.

* Additional 100Mb Zip cartridges £15.99

NEW!! NEW!! NEW!!

AMITEK 1.76Mb £79.99
1.76Mb disk drive
The Ultimate Amiga Drive
High density external drive

Amiga External drive £49.99
A1200/600 internal drive £39.99
A500/500+ internal drive £39.99

Squirrel I/face

SCSI Surf Squirrel
- Hi speed serial port
- SCSI-II interface
- Autobooting HD

from *£79.95 *If purchased with any modem
If purchased separately £99.95

Squirrel SCSI-II interface

From only *£45.00 *If purchased with SCSI device
£54.99 if purchased separately

SupraFAXModem

SupraFAXModem 288

- Up to 115,200bps (v42bis)
- Class 1 & 2 Fax
- Silent & Adaptive Answer
- Unique LCD Display
- V34 Standard
- Flash ROM
- NComm Software
- 5 Year Warranty

only £199.99

"Is it a bargain the size of a Hippo's Bum? You Betcha!" - Amiga Computing Oct. 1994

New!! SupraExpress 288

Only £174.99

- Up to 115,200bps (v42bis)
- LED Display
- V34 Standard
- Class 1 & 2 Fax
- NComm Software
- 5 Year Warranty

28,000 Data/14,400 Fax

US Robotics

WE ARE PREFERRED USR DEALERS

Sportster 288 only £193.99
If you thought V32bis was fast try V34

Courier V34+ Dual Standard

V34, 28,800 BPS, BABT approved £287.99 33,600 bps.

SupraFAXModem V32bis
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 £134.99

Sportster Vi New
This modem has full 14400 baud. includes V.32bis, V.32, V.32bis, V22, V21, MNP2-5, V.42, V42bis, Class 1 commands, 9600/14400 Group 3 Fax. Includes free modem comms (not Fax)s/w & cable
only £111.99

14,400 Data/14,400 Fax

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

RAM Expansion/Accelerators

A1200 1 MB RAM *Special price!!*	£75.99
A1200 2 MB RAM	£119.99
A1200 4 MB RAM	£169.99
A1200 8 MB RAM	£284.99
A1200 1MB/33Mhz Co Pro	£109.99
A1200 2 MB/33Mhz Co Pro	£149.99
A1200 4 MB/33Mhz Co Pro	£189.99
A1200 8 MB/33Mhz Co Pro	£304.99

Memory Modules

1 Mb 72 Pin SIMM	£29.99
2 Mb 72 Pin SIMM	£69.99
4 Mb 72 Pin SIMM	£115.99
8 Mb 72 Pin SIMM	£225.99
16 Mb 72 pin SIMM	£399.99
1 Mb 30 pin SIMM	£29.99
4 Mb 30 pin SIMM	£119.99
256 by 4 DRAM (each)	£6.99

Part exchange available on your old memory, Call for pricing.

Accelerator Cards

POWER VIPER

Viper II-50 £199.99
Up to 128Mb RAM, FPU Socket & R/T clock
Viper II-28 £119.99
Up to 128Mb RAM, FPU socket & R/T Clock

Falcon 68040
68040 RC
25Mhz
£499.95

A500/600 RAM Expansion

PRIMA A500 512k RAM no clock £19.99
PRIMA A500+ 1 Mb RAM £29.99
PRIMA A600 1 Mb RAM no clock £29.99

Printers

Canon

Canon BJ30 £184.99
Portable mono printer, 30 page ASF built in.
Canon BJC70Colour £289.99
Portable colour printer, 30 page ASF.
Canon BJ200ex £207.99
High quality mono printer, virtual 720 dpi.
Canon BJC4000Colour £289.99
High quality colour/fast mono printing 360 dpi.
Canon BJC600e Colour £369.99
Enhanced colour printer, virtual 720 dpi.
New Canon BJC610 Colour £409.99
720 x 720 dpi, near photographic quality

Star Micronics

Star LC90 9 pin mono £105.99
ASF built in, push tractor optional.
Star LC100 9 pin Colour £125.99
180 cps draft, 45 cps NLQ, Amiga drivers.
Star LC240 24 pin mono £123.99
192 cps draft,with ASF built in.
Star LC240C 24 pin Colour £139.99
ASF built in, 4 LQ fonts.
Star SJ144 Colour £232.99
Colour thermal transfer printer, low running costs, 3 p/p/m mono, 1.4 p/p/m colour.

CITIZEN COMPUTER PRINTERS

All Citizen printers have a 2 year warranty

ABC Colour printer £145.99
Simple (as easy as ABC) to use 24 pin printer. Comes as standard with 50 sheet Auto sheet feeder. Tractor feed optional at £34.99

New!! Printiva 600c
- New Micro Dry print technology
- 600 dpi Colour/1200 dpi mono
- Amiga drivers provided

£399.99

HEWLETT PACKARD

New! HP340 Portable £224.99
Colour upgradeable portable printer
New! HP600 £242.99
Colour upgradeable mono ink jet/ Col. Kit £41.99.
HP 660 Colour £319.99
New colour inkjet from HP.
HP850 Colour £429.99
600x600 dpi up to 6 p/p/m mono, 3p/p/m colour
New! HP 5L Laser printer £449.99
4 p/p/m 600 dpi
New! HP 5P Laser printer £715.99
6 p/p/m 600 dpi

EPSON

New!! Stylus Colour II £335.99
720 dpi, 4ppm Black, 2ppm Colour.
New!! Stylus Colour IIs £249.99
720dpi, 2.5ppm Black, 1ppm Colour.
New!! Stylus 820 £219.99
720 dpi, 2.5ppm Black, Colour Upgradeable.
New!! Stylus Pro £485.99
720x720 dpi, Photo-Real quality output.
EPL-3000 Laser Printer £439.99
4ppm, 300 dpi, 1Mb memory, 150 sheet ASF

The perfect accompaniment for a high quality colour printer
NEW! GTX-5000 colour flatbedscanner ONLY!! £439.99

We would be happy to quote you on any make or model of printer that may not be listed.

Miscellaneous

Printer Switch Box 2 way	£12.99
Printer Switch Box 3 way	£17.99
Printer Stands (Universal)	£4.99
1.8 Metre printer cable	£4.99
3 Metre printer cable	£6.99
5 Metre printer cable	£8.99
10 Metre printer cable	£12.99
Parallel port extension cable	£9.99

Consumables

Ribbons

Citizen Swift/ABC mono	£3.99
Citizen Swift/ABC colour	£12.99
Star LC90 mono ribbon	£4.99
Star LC10/100 mono	£3.69
Star LC10/100 colour	£7.99
Star LC240c colour	£13.99
Star LC240c mono	£8.99
Star LC240 mono	£5.99
Star LC24-10/200/300 Colour	£13.99
Re-Ink Spray for mono ribbons	£11.99

We stock a wide range of consumables for all printers Lasers, Dot Matrix and Inkjets old and new.

PREMIER-INK Cartridge Refills
Save a fortune in running costs with your ink/ bubble jet. Compatible with the HP Deskjet series, 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

Printer repair specialists call for quote

Ink Cartridges

Canon BJ10/Star SJ48	£19.99
Canon BJ200/230	£19.99
Canon BJ30 (3 pack)	£13.99
Canon BJC 70 mono (3 pack)	£12.99
Canon BJC 70 colour (3 pack)	£16.99
Canon BJC 4000 colour (single)	£16.99
Canon BJC 4000 mono (single)	£7.99
Canon BJC 4000 mono high cap.	£28.99
Canon BJC 600e mono high cap.	£10.49
Canon BJC 600e colour	£8.99
HP.Deskjet colour	£26.99
HP. Deskjet double mono	£24.99
HP. Deskjet 660 double mono	£25.99
HP.Deskjet 660 colour	£27.99
Epson Stylus mono	£15.99
Epson Stylus colour	£36.99
Epson Stylus Col. II/S/820 Mono	£17.99
Epson Stylus Col. II/S/820 Colour	£24.99
Epson Stylus 820 colour upgrade	£94.99
Star SJ144 mono/colour (single)	£8.99

Covers

All printer dust covers £5.99

Paper

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
Epson Stylus 720 dpi paper pack	£12.49

Disks

Bulk DSDD

10 x £3.49	100 x £29.99
30 x £9.99	200 x £54.99
50 x £15.99	500 x £118.99

Branded DSDD

10 x £4.99	100 x £35.99
30 x £12.99	200 x £63.99
50 x £25.99	500 x £142.99

Bulk DSHD

10 x £3.99	100 x £33.99
30 x £11.99	200 x £59.99
50 x £17.99	500 x £134.99

Branded DSHD

10 x £5.99	100 x £47.99
30 x £15.99	200 x £84.99
50 x £25.99	500 x £190.99

Disk labels x500 £6.99
Disk labels x1000 £9.99

Video

Quantum — rombo

VIDI Amiga 12
Entry level Amiga video capture system

- Composite & SVHS inputs.
- All modes inc, HAM & 256 col.
- Image processing effects.
- Compatible with all Amiga's

£64.99

VIDI Amiga 24 (RT) Pro
Professional Colour Real Time Amiga video capture system

- Composite & SVHS inputs.
- 16.7 million colour grabbing.
- BMP, TIFF, PCX, ANIM, ILBM.
- Processing controls & effects

£224.99

Pro-GRAB SVHS 24RT Plus

- Compatible with VHS & SVHS.
- Save & load in multiple file formats
- Support for virtual memory
- Additional teletext facilities
- Large preview window

Req. kickstart 2.04 & 1.5Mb free memory

for only..... £129.95

Genlocks

hama

Genlock 290
- Full fading of mixed graphics
- 2 ergonomically designed fader
- High quality output signal
- Independant power supply

£639.99

Genlock 292
- Full fading of mixed graphics
- Fade to black of output signal
- Demonstration software inc.
- Independant power supply

£264.99

A-Cut
- Video edit controller
- Works on Kickstart 2.0 and above
- Scenes defined, sequenced/exchanged
- Independant power supply

£164.99

Fusion Genlock
- Comes with Scala HT100
- 92% Amiga Shopper June 95
- Composite only Genlock

Only!! £95.99

Entry level Genlock

Graphics

New!! Epson GT-5000

- A4 Flatbed scanner
- 300 dpi optical scan resolution
- Inc. PC Editing & OCR software

£437.99

The Amiga range of computers req. additional driver software and a Bidirectonal parallel cable.

EPSON scanners

Art Department Pro Scanner Controller

Inc.
- Bidirectonal Parallel cable
- Amiga driver software
- Total WYSIWYG control
- Can be used without Art Dept Software

With Scanner **£89.99** Without Scanner **£99.99**

If cable req. separately £39.99

The amazing new graphics tablet for the Amiga developed with First Computer. 94% rated in Amiga Shopper. Requires 2.04 WB or above.

Power Scan v4. £89.99
256 g/scale on AGA Amigas, 64 g/scale non AGA

Power Scan Col. £174.99
24 bit colour scanner, 16.7 million colours

Graphics Software

Brilliance 2.0
Paint & Animation package

£49.99

D Paint V
Award winning Paint & Animation package.

£59.95

Art Department Pro.
Image processing software

£129.99

Scala MM211

£139.99
- MM300 £224.99
- MM400 £274.99

Photogenics v1.2
24 bit graphics manipulation

Special offer only!! **£47.99**

New!! Cinema4D £169.99

Music

AURA £74.99
12/16 bit stereo direct-to-disk PCMCIA sampler

Mega-Lo-Sound

8 bit direct-to-disk sampler

Great value at only **£25.99**

ProMIDI Interface

- MIDI in, MIDI thru & 2 x MIDI out
- Compatible with all MIDI software

only!! £19.99

- 2 x 3metre MIDI cables £9.99

Technosound Turbo 2 Pro
8/12 bit Stereo Sampler plus many more advanced features

A bargain at only **£27.99**

Only a few available Intersound professional sampling software for A500/2000/3000. Requires Kickstart 1.2 or above & 512k RAM.

£5.99

Got to be worth a look at only

Also Stereo Master £14.99
Audition 4 digital sound editor £19.99

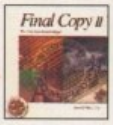
Wordprocessing

Final Writer 4
Word Processor/Publisher

Latest version of this award winning software

only!! £72.99

Final Copy II
Word Processor



Full featured software just requiring an extra floppy drive, to work on all Amiga's Kickstart 1.3 or higher

£47.99

Mini Office
Integrated Package

- Wordprocessor
- Spreadsheet
- Database
- Graphics
- Disc Utilities

£38.99 All in one package

Wordworth 3.1se
Word Processor

- Req 2Mb RAM & 1 disk drive

£54.99

Also **Penpal £29.99**
Kindwords 3 £24.99

Home Office

SuperBase Personal 4
Relational Database

£99.99
Pro version **£149.99**

Twist 2
Relational Database

- Requires Workbench 2.1 or above & 2Mb of memory

£74.99

Also
Final Data 3 £39.95

Spreadsheets
Final Calc £94.99
Turbocalc 3.5 £47.99
Maxiplan 4 £24.99

Home Finance
Money Matters 4 £49.99

Maxon Magic
£25.99
Screen Utils. Requires 1Mb RAM 2 floppy drives

Opus 5 £49.99
The best file managment system around

Miscellaneous

Vista Pro 3
Landscape Artistry software

Accurately recreate and explore real world landscapes in vivid detail

Also
Makepath £8.99
Terraform £8.99
Vista Pro 3 Lite £24.95

£27.95

Distant Suns 5
Desktop Planetarium

Req. Kickstart 2.04 or above
2Mb of RAM and a Hard drive

£27.95

New!! Zip tools £16.99
- Easy access Amiga drivers
- Utils, inc. Password protection, Write protect, Cartridge eject.

Studio 2 £49.99
Print software for optimised performance

GP Fax £49.99
Use your Amiga modem as a fax machine

Amiga on-line Ref. £6.99
An essential aid to Amiga computing. All the AmigaHelp files on disk, HD installable. 80% rated in CU Amiga.

Pro Draw 2.0 £59.99

Peripherals

Mega Mouse+ 400 dpi	£12.99
Mega Mouse 400 dpi	£11.49
Amiga mouse 560dpi	£12.49
Soccer Mouse 400dpi	£19.49
Mousemat 4mm	£3.99
AlfaData Trackball	£34.99
Zip Stick joystick	£9.99
Gravis Amiga joystick	£19.99
ZyFi-2 Speakers	£26.99
ZyFi Pro Speakers	£57.99
Roboshift mouse/joystick switch	£9.99
Amiga Modulator	**£34.99**
Amiga PSU	**£34.99**
Kickstart 2.04/2.05	£24.99
CIA 8520A I/O chip	£18.99
FPU 25mhz PLCC	£34.99
FPU 33mhz PLCC	£39.99

Turbotech R/T clock cartridge £17.99 all Amiga's

Top 20 Games

Akira	£24.99
Alien Breed 3D	£24.99
Combat Classics 3	£29.99
Dawn Patrol	£29.99
Dungeon Master II	£29.99
Exile	£24.99
Fears	£24.99
FIFA Int. Soccer	£24.99
Flight/Amaz. Queen	£24.99
Gloom	£24.99
Pinball Mania	£24.99
Player Manager 2	£16.99
Premier Manager 3	£14.99
Sens.World/Golf	£24.99
Sens.World/Soccer	£24.99
Sim City 2000	£24.99
Theme Park	£24.99
Sup. Street Fight 2	£29.99
Ult. Soccer Man.	£24.99
Virtual Karting	£19.99

Amiga CD ROM's

Delivery £1 per title or £3.50 for 4+

New!! 17 Bit The 5th Dimension	£17.49
17 Bit Collection (Double)	£28.99
17 Bit Continuation	£14.49
17 Bit Phase 4	£14.49
17 Bit/LSD compendium 1 or 2	£16.99
New!! 17 Bit/LSD compendium 3	£16.99
Adult Sensations II (Over 18's)	£17.99
New!! Aminet 8 or 9	£14.49
Aminet collection (Aminet 1-4)	£24.49
New!! Aminet collection 2 (Aminet 5-8)	£24.49
New!! Amos Users CD Ver 2.	£16.99
Animations (Double)	£17.49
New!! Assassins 2 (Double)	£17.49
BC I Net 2	£8.99
New!! C64 Sensations	£16.49
CAM (Double)	£22.49
Almathera CDPD 1,2,3 or 4	£8.99
Demo CD 1	£8.99
Demo CD 2	£8.99
New!! Euroscene 2	£11.99
Fractal Universe	£17.49
Fresh Fish 10	£17.49
New!! Global Amiga Experience	£17.99
GoldFish 1	£24.49
GoldFish 2	£24.49
Grafix Sensations	£17.49
New!! Groliers Encyclopedia 2	£25.99
Illusions in 3D	£8.99
Light ROM	£29.99
Light Works	£29.99
Magic Illusions	£11.49
New!! Meeting Pearls 3	£8.99
MultiMedia ToolKit 2 (2xCD's)	£27.99
New!! Network 2 CD	£12.49
New!! NFA AGA Experience	£17.99
New Price!! Prima CD Vol. 1	£9.99
New!! Sci-fi Sensations	£17.99
Space And Astronomy	£16.99
New!! Speccy Sensations II	£17.49
The Beauty of Chaos	£13.49
Ten on Ten pack (10xCD's)	£37.99
New!! UPD Gold CD (4 x CD's)	£27.99
New!! World Of Pinups 2	£14.99
WPD Hottest 5	£17.99
Weird Science Fonts	£8.99
Weird Science Clipart	£8.99
Weird Science Animation	£16.99
New!! World Info 95	£34.99
New!! XiPaint V3.2	£49.95
New!! Zoom	£18.99

FREE!! Prima Shareware CD-ROM worth £10 with every order of CD-ROM software over £30

CD-32 Console

Amiga CD-32 Critical Zone pack

Includes:
Following CD titles, Cannon Fodder, Diggers, Liberation, Microcosm, Oscar, Project X and Ultimate Body Blows.

Only £179.99

Furniture

Bulldog
Authorised Reseller
Special Introductory offer

Computer Desk & Chair
Only £89.99 Call for Info.

House your Computer, Printer & consumables in one compact area, slide away keyboard shelf, choice of colours. Chair with height ajustable seat and back.

Optonica Ltd.

Appointed Distributor

InfoNEXUS 2 £24.99
M.M. Experience £34.99
M.M. Experience Pro £229.95
INSIGHT Dinosaurs CD £17.99
INSIGHT Technology CD £17.99

Info.

The First Computer also stock a wide range of PC, Acorn and Atari Hardware, Software and Peripherals all at unbeatable prices. So call for all your computing needs.

LOMBARD TRICITY FINANCE LIMITED

Low rate finance available

He's Back...

Following on from the original ground-breaking Squirrel SCSI Interface, HiSoft is proud to announce Surf Squirrel. Offering even higher SCSI performance, suto-booting, and an ultra-fast serial port. Surf Squirrel is the ideal expansion peripheral for your Amiga A1200. Squirrel is also the only SCSI expansion that is hot plug and unplug, requires no opening of your Amiga, no technical knowledge and does not invalidate your warranty! Contact HiSoft for more information on the amazing Surf Squirrel.

£189
£239 inc Squirrel SCSI

zip drive 100 scsi

The floppy drive for the multimedia age

This newest, most portable exchangeable hard disk drive weighs in at just 1lb, has fast transfer and access times (up to 1Mb/s transfer, 28ms seek), easily fits in your hand, your bag or your briefcase, stores up to 100Mb on floppy-sized disks, is perfect for all types of application and is priced at a level that will make you want to unzip your wallet immediately!

Price inc 100Mb cartridge, extra 100Mb cartridges £15.95 or less!

Order your Zip drive now to avoid disappointment!

Amiga Zip Tools
exclusively from HiSoft

Zip drives from HiSoft include everything you need to get going on a SCSI-aware Amiga: the Zip 100 drive, a 100Mb cartridge, all necessary leads and a complete set of software, programmed by HiSoft, including:

- *Easy access drivers*
- *Password protect*
- *Write protection*
- *Temporary unprotect*
- *Cartridge initialisation*
- *Cartridge eject*

The Best-Value Hard Drives

1GB internal **£349** £419 external

Quad-Speed CD-ROM £259 £199 internal

If you want a SCSI hard drive then HiSoft has the one to suit your needs; whether you are looking for an internal drive for your tower case, A3000/A4000 etc. or an external 1Gb beast-of-a-drive for any SCSI-aware Amiga, we can supply.

Based on only the highest quality mechanisms from top suppliers, with full manufacturer's warranty, our hard drives are fully tested for all Amiga computers and come with our own additional warranty and technical support.

Hard Drives

SCSI		2.5" IDE	
420Mb internal	£159	40Mb internal	£54.95
420Mb external	£229	65Mb internal	£69.95
1Gb internal	£299	120Mb internal	£99.95
1Gb external	£369	170Mb internal	£124.95

We offer internal or external SCSI hard drives and CD-ROM drives. Internal devices are suitable for mounting in the A1500, A2000, A3000 and A4000 and come with necessary leads & screws whilst the external drives are supplied in our professional Squirrel cases (available separately) which include integral psu, all SCSI connections and connection leads of your choice (at a small extra cost).

only £225
value if purchased separately £285

Super-Value CD-ROM Pack

HiSoft has done it again with a brilliant multimedia pack of Squirrel SCSI interface, Aiwa ACD-300 CD-ROM and the Almathera 10-on-10 pack of CDs!

Just look at what you get:

- *The amazing, trend-setting Squirrel SCSI interface which allows up to 7 peripherals (hard drive, CD-ROM, Zip, scanner etc.) to be daisy-chained together.*
- *The Almathera 10-on-10 pack of CDs; this is 10 CDs including the Team Yankee game, 2000 clip-art images, the Illustrated Works of Shakespeare, a Comms, Internet & Networking CD, The World Vista Atlas, 1000s of fonts, a complete photo library and much, much more!*
- *CD32 and CDTV emulation software so that you can all those games and other titles such as Video Creator.*
- *The great-looking Aiwa ACD-300 CD-ROM drive; a fast, double-speed CD-ROM with full SCSI specification plus complete audio controls on the front so that you can play music CDs directly. Plus an informative LCD panel.*

All this, packaged together, at a truly superb price, with full 1 year warranty and technical support from HiSoft.

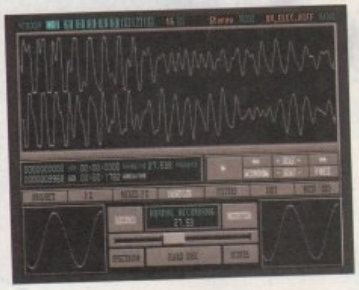
MPEG COMPATIBLE

Disk Magic £39.95

Newly released, Disk Magic (screenshot on the left), is the ultimiate file and disk management utility for your Amiga. DiskMAGIC makes every task you perform - from the copying of a file, to the extraction of an archived file, as simple as a clicking on a button! In fact after using DiskMAGIC, you'll wonder how you ever used you Amiga without it!

DiskMAGIC is exceptionally configurable, with the ability to alter window layout, file types, action buttons, fonts, screen mode, archive handling, viewers and more.

DiskMAGIC is compatible with all Amigas running WB (or higher) and with 1.5MB or more of free memory.



AURA £99.95

As music experts (all sampler products are our own design, built and programmed in the UK), you can trust HiSoft to deliver the right package for you; a professional Midi interface (ProMidi £24.95), a great-value, 8-bit direct-to-disk sampler (Megalosound £24.95) or a superb quality 12/16-bit stereo, direct-to-disk PCMCIA unit (Aura), both samplers have superb real-time effects.

Termite £39.95

Afraid of becoming a hedgehog on the Information Super Highway? Don't worry! Termite is so easy to use that even a first time telecommunicator will feel at home.

Termite is 100% WB2 Style Guide compliant and provides you with all of the modern user interface features to really enjoy playing in the highway!

Termite supports both the Amiga XPR and XEM libraries as well as having its own internal ZModem. Termite is compatible with all Amigas running WB2 (or higher) with 1MB or more of free memory and all modems.

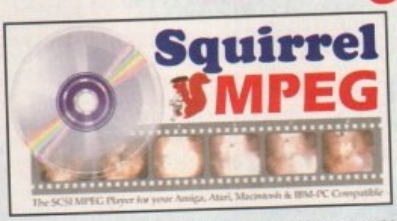
Cinema4D £199.95

This exciting new package is available at the amazingly-low price of only £199.95, Cinema4D is set to revolutionise the 3D-rendering and animation market.

Cinema4D provides an easy-to-use multi-tasking editor, replete with every conceivable option including multi-window editing, interactive modelling, direct modelling in 3D, basic and complex primitives, easy object manipulation, hierarchies, an optimised FPU/CPU version and much more!

Cinema4D also includes a comprehensive file conversion utility to allow full import of your current objects.

Coming Soon...



Bring the cinema into your home and onto your computer with Squirrel MPEG. Playing the popular VideoCD and CDI CD-ROMs, Squirrel MPEG brings high quality digitally mastered images and 16-bit stereo sound to you and your Amiga. Squirrel MPEG is a SCSI peripheral that can be used in conjunction with any SCSI controller, such as the Squirrel, and any VideoCD compatible CD-ROM. Squirrel MPEG can also be used as a stand-alone unit as an addition to your TV, Video and Hi-Fi setup.

**Squirrel MPEG requires a SCSI CD-ROM that is CDi® (Green Book) or VideoCD (White Book) compatible. Check your CD-ROM supplier for compatibility details.*

Order Hotline

0500 223660

To order any of the products shown on this page (or any other HiSoft title) - just call us, free of charge, on 0500 223660, armed with your credit or debit card; we will normally despatch within 4 working days (£4 P&P) or, for only £6 within the UK, by guaranteed next day delivery (for goods in stock). Alternatively, you can send us a cheque or postal orders, made out to HiSoft. All prices include VAT. Export orders: please call or fax to confirm pricing and postage costs.

© 1995 HiSoft. E&OE.

All prices include UK VAT @ 17.5%

Zip is a trademark of Iomega Inc

HiSoft SYSTEMS
The Old School, Greenfield
Bedford MK45 5DE UK
Tel: +44 (0) 1525 718181
Fax: +44 (0) 1525 713716

VISA

Facial reconstruction

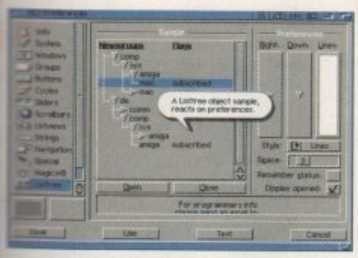
MUI 3, apparently you either love it or hate it. Either way you cannot escape the fact that MUI interfaces look damn lovely. Though with astounding ease you can create butt ugly abominations.

Magic User Interface is a completely object-oriented graphical user interface. This basically means that the 'look' of any program's interface is tolerable to the user's tastes. MUI makes it possible for you, the user, to specify exactly what each part of a program's interface should look like.

The object-oriented part of MUI allows you to choose what graphic a gadget should look like, so it is possible to use either one of the supplied scalable gadgets or if you want, why not just run DPaint and draw your own. MUI will accept any Data Type supported graphic format.

This is all very good and useful, but critics of MUI have always slated it for being too processor and memory hungry. It is true that if you start splattering background patterns, and use lots of custom gadgets on an A500, of course you are going to be left wanting in the processor stakes. As the machine desperately gasps for more clock cycles, the window's redraws can slow to a snails pace.

In practice, the new version does seem to give a speed improvement over the older version, with windows and list views redrawing and scrolling faster and more cleanly. With the new version being completely compatible with the older one, you will not see any other change in your programs. The thing that has changed, however, is the way MUI is put together.



The new MUI 3.1 preference program is a little daunting at first, but in practice it works much better than the old one

The new version is completely modular. New modules can be added to MUI at a later date, and the new preference program will automatically allow you to configure this new function.

Modules

Two extension modules are already available in MUI 3 and come with the package, even though no programs can currently take advantage of them. The two in question add a scrolling busy bar similar to the one used on the Mac, and a hierarchal tree structure which allows you to peruse a directory-style listing – again in a Mac-like way. This new modular structure does help to reduce the total memory usage of MUI, with the system only loading a specific graphic, gadget, or function module

Fairly straightforward memory tests show that just loading up the new MUI preferences takes 350k while the peak memory usage – this is a MUI set-up with lots of 8 colour patterns – will hit around 700k. Only 50k is ChipRAM, the other 650k being FastRAM used by all the programs, extra libraries, and other screen data.

So is it worth upgrading, or getting? Currently, if you want to access the Internet there is no choice, you have to have MUI.

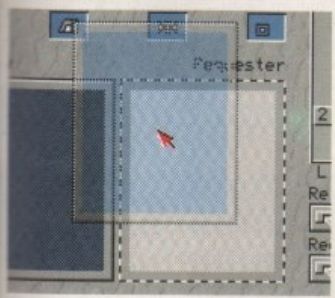
Pronouncing itself smaller, faster and better, the latest MUI incarnation should be good. **Neil Mohr** sees if it can cut the GUI mustard

AMosaic, the eagerly-awaited iBrowse, and MuiFTP all require MUI, along with a good many other Internet programs. The Amiga Tech Internet pack may change this, but currently you do not have a choice. To be fair, MUI 3 does seem to give AMosaic a speed boost, but then again AMosaic couldn't get any slower.

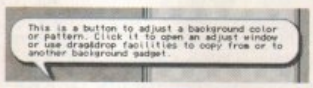
For non-Internetters, if you use MUI programs regularly then it is worth upgrading. Interfaces are smaller and do seem to be redrawn more efficiently, and it seems until Amiga Tech can find an easier way for programmers to quickly knock up nice user interfaces, MUI will stay the choice for many PD programmers, so will stay on many people's hard drives.

New for MUI

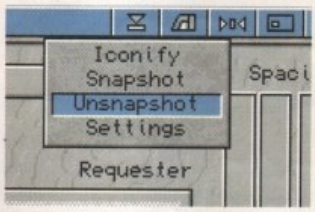
Along with the new program structure, MUI also introduces a few new features that can be used in both old and new MUI programs.



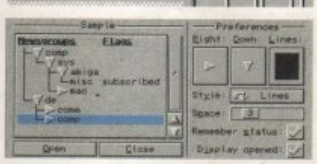
New drag and drop functions allow you to simply share data within a program and between MUI programs. One use is within the MUI preference program. A global temporary buffer allows you to store a texture and then drag and copy it to other buffers in the program



Leave the mouse lingering over any gadget you do not recognise and a balloon appears giving a short description of what it does



Instead of just having the iconify icon, MUI 3 introduces a number of others, allowing you to run the MUI preferences to adjust specific program settings, snapshot the current window's position, or provides a menu allowing you to choose any of them



One new MUI extension that comes with MUI 3 is the List Tree, allowing a new way of viewing and traversing a hierarchal list, such as a directory listing. This, again, is very reminiscent of how the Mac's directories works

Bottom line

Requirements

RED *essential* **BLACK** *recommended*

2 Mb RAM

1 Mb of HD space

4 Mb RAM or above

020 processor

Product details

Product	Magic User Interface 3.1
Supplier	Paul Jewell
Price	£15
E-Mail	jewell@savanna.exnet.com

Scores

Ease of use	80%
Implementation	80%
Value For Money	90%
Overall	80%

This time it's personal

An exclusive review of Cloanto's CD bundle by **Ben Vost**

I know, I know. It must seem like a bit of self-promotion to be reviewing something we are offering to our readers, but Cloanto's Personal Suite will be available to buy from your normal high street dealer at some point, it's just that we have an exclusive on it for a limited time. Anyway, it's still a new product, so it's just as valid for me to review this as anything else.

When Personal Suite was first announced it seemed like great value for money. It should have come with the 'Personal' series of programs from Cloanto; Personal Paint, Personal Write and Personal Fonts Maker 1 & 2. Even just for these, the CD is a bargain buy, the only downside being that all the documentation is on disc rather than printed.

The upside of all this is that the CD contains more than just these four programs – it also has Superbase Personal 4, the latest version of the all-time best-selling Amiga database, and Kara Blom's superb colour fonts. You know the ones. You got Granite when you bought DPaint. Well, there are 27 normal colour fonts included on this CD and one animfont – Bullion.

In case you aren't sure exactly what an animfont is, the letters for bullion are all animbrushes and get drawn onto the screen as though they are rotating about their vertical axis 90° to face the front. As the letters rotate there is a highlight that travels across the face of each letter as though it were reflecting a light source. It's a lot easier to see than to explain, though, so have a look at the screenshot.

Animation City

As if this wasn't enough, you will also find most, if not all, of Eric Schwartz's animations in both their original MovieSetter and Fantavision formats, as well as in soundless Anim5 files, along with animations and pictures by Jim Sachs and Karl Bihlmeier, a renowned German artist. There are also some animations by 'Dr Chips' which weren't created on the Amiga and must have been quite impressive ten years ago. Now, though, they just look dated.

And so we continue to trawl through the CD's contents and find we are also given Cloanto's PNG toolkit and datatype. PNG is the graphics format supposed to replace GIF. It is a lossless compression format capable of up to 48-bit colour resolution and it supports all sorts of funky features. So, is that all? Nope, there's more.

Cloanto have obviously trawled the Gutenberg Project's archives because there are ASCII text versions of 45 different out-of-copyright books including Hardy's Tess of the D'Urbervilles and Edgar Rice Burrough's Tarzan of the Apes, along with four Amiga-specific titles detailing AmigaDOS commands and Amigaguide document creation, among other topics. One last goody completes the line up on this CD – a program called DirDiff that compares directories and generates a checksum, particularly useful for people producing software, especially on CD.

So let's have a closer look at each of the programs on offer on the Personal Suite CD and see if they really are too good to be true.

Personal Paint v6.4

Personal Paint has been around for quite some time now. If you are a regular reader you will have seen a mini-review of PPaint in the Amiga Bundle round-up we did in December's issue. If you didn't see that issue, or you've only just bought your Amiga, then here's the lowdown on PPaint.

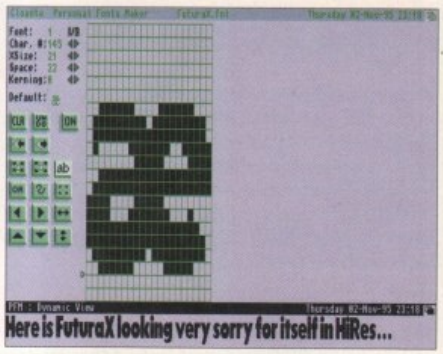
Basically, PPaint started life as a poor DPaint clone but, unlike Deluxe Paint, Personal Paint is still being developed and keeps getting better. Although it still offers no HAM6 or HAM8 facilities you can use Personal Paint in any register mode up to 256 colours.

Personal Paint is the only non 24-bit paint package I know of on the Amiga that also supports RTG graphics cards (the others all do nasty tricks that involve ChipRAM), which is a definite bonus now that there are more and more people out there with Picasso's or CyberVision64's. Personal Paint has all the usual tools you would expect in any paint package of note. Oblongs, circles, text, freehand painting and filling are all performed without fuss, but PPaint really starts to shine with its little touches like the curve tool, which, rather than DPaint's simple single parabola, actually uses handles like any bezier curve and gives you a double parabola.

Convolutions

However, this is nothing compared to Personal Paint's image processing functions. Personal Paint can apply its convolutions on brushes, the whole screen, or a user-

The Personal Suite CD doesn't come with manuals, however, the AmigaGuide versions are complete trasncriptions



Personal Fonts Maker 1 + 2...

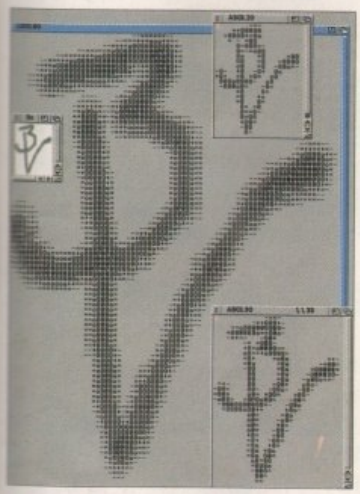
...the only choice for bitmap font editing on the Amiga

RINGING THE CHANGES

There have been several changes made to Personal Paint in the update from v6.3 to v6.4:

- New loaders and savers. You can now save an image in ASCII text and load and save PNG format files. Also, there is now improved colour reduction for converting 24-bit files into 256 colour pictures which is also faster than in previous versions.
- All requesters have been rewritten using a new user interface library and soon, all of Cloanto's products will use this new library. Visually it hasn't changed very much, but one of the most important additions to it must be the availability of a size gadget, particularly for file requesters. Also, the filter edit requester has been re-organised making it more user-friendly.
- Animation can now use virtual memory for frames.
- You can now animate on RTG boards which do not support double-buffering. In some cases this is not as smooth, but in most cases goes unnoticed, and in any case allows the creation of 256-colour animations where no other piece of software would (e.g. for ECS users with a Picasso).
- PPaint's ARexx interface has also been improved, although no documentation is presented for it.

Cloanto say that the next version of PPaint will probably have all the ARexx stuff explained.



Personal Paint's ASCII save allows you to create pictures out of text. You can vary the width that PPaint outputs to achieve the scale you require.

The animfont taster that comes with Personal Suite is called Bullion

Amiga artists doesn't clown around

SBASE PERSONAL 4

Superbase, or SBase as it is now known, was one of the best coverdisks Amiga Computing has had. I know, I was responsible for dealing with all the updates where I was working at the time. So many readers sent their upgrade offer to us that we actually had to take on a temporary member of staff to help with the demand. Therefore, I would imagine that plenty of you already own a copy of Superbase 2.

But SBase 4 does add some new features to the old dog. For a start, you now have the ability to create forms for your database, a feature only previously available with the professional version of Superbase. For the uninitiated, SBase is a relational database with extremely good functionality. It has its own programming language and although its looks aren't exactly modern, it is still the best database available for the Amiga. Use it for your video collection or for your clients names and addresses, its up to you.

SBase has the unique ability to link multiple databases together into one, so you can have a product database linked to a stock database linked to a customer database, all with one front-end designed in the Form Designer. SBase's documentation is something more than adequate, although the pictures in the AmigaGuide document should have all been cropped appropriately.

So, in short, SBase is still king of the hill when it comes to power and configurability, although its looks are somewhat out of date.

definable area. These convolutions will blur or sharpen the chosen area, emboss it, texture it, or even convert it into a stereogram image. Personal Paint is also unique in the fact that it can produce stereogram animations (there are some examples on the disc), a feat no other Amiga package is yet capable of.

The animation features aren't quite up to scratch yet, however. There is no motion panel à la DPaint and anim brushes are not yet supported (although there will be a patch made available to add this facility). It does, however, have a nice storyboard function which displays a thumbnail of each frame in an animation. Frames can be cut, copied and pasted to new positions within an animation, and can be inserted or deleted where necessary.

INDIVIDUAL FRAMES

Personal Paint also supports frame timing so there is no need to make copies of individual frames to insert pauses. PPaint will even take animations that have multiple frames and optimise them by removing duplicated frames and simply adjusting the length of time the frames in question are displayed.

The brush handling is splendid in contrast to the weaker animation side of things. PPaint can hold up to nine brushes in memory at once and, as previously stated, can apply its image processing effects to them. Brushes can have unused bitplanes chopped to save memory and can be outlined in a variety of ways.

PERSONAL FONTS MAKER 1&2

They shouldn't really be called PFM 1 & 2 as they aren't different versions of the same program; they are actually two separate font creation utilities. PFM deals with mono bitmapped fonts and printer downloadable fonts, while its erstwhile brother lets you create fonts in up to 256 colours and actually has more in common with Personal Paint than with PFM.

Both suffer from the same 'innovative' interface design and need bringing into the nineties. But once more, Cloanto have come up with a really good product. Although the time has passed when everyone relied on dot matrix printers and bitmapped fonts, there are still people who need to use font bitmaps, and PFM and its brother are there to supply the goods.

PFM is more geared towards producing printer downloadable fonts that you can send into your dot matrix or inkjet printers memory and then use just like any other built-in font. Your only limitation with this is the same as it would be for any other built-in font, it's difficult, to switch fonts mid-document. There's nothing much you can do about this, but at least you can jazz up your documents with something more stylish than courier.

PFM also has a built-in macro language and recorder to allow you to automate repetitive tasks like converting a whole font to italics or bold, or changing the baseline for each character, and it also supports the full ASCII character set. You can use PFM to develop typefaces for foreign alphabets which run from right to left rather than the normal Latin fashion.

FONT FEATURES

This can cause a problem with a lot of programs though, so be warned. PFM can export fonts in the standard Amiga bitmap font format or as PFM fonts. Quite why you would want to do this is beyond me, but I guess it's nice to have the option. Finally, PFM also makes use of the font flags described in the Amiga developer kits and can ascribe attributes to a font with a simple visit to the menu bar.

PFM2 is a long overdue replacement for the Calligrapher program by Inter/Active Softworks which was the only program available for a long time that could produce colour fonts. It was incredibly unfriendly to use and very unstable, but people swore by it (and at probably) for making anti-aliased fonts and colour fonts for video work. PFM2 looks more like a paint package than a font designer and has most of the tools appropriate to one like an airbrush and a curve tool. Even the documentation for PFM2, such as it is, refers you to the manuals for PFM and PPaint.

PFM2 shares many of PPaint's brush handling features like being able to chop unused bitplanes from a graphic and being able to change the transparency colour for the brush. It lacks PFM's macro facility, but then colour fonts aren't designed to be churned out, each one is supposed to be a work of art. Either of them comes in very handy if you have a font that is just missing a character or two, and you can use parts of other characters to help fill in the gaps. Scala's FuturaB font doesn't have any standard mathematical symbols so my workbench calculator had blank buttons. A quick trip to PFM soon sorted the problem and now I have a customised FuturaB font.

PERSONAL WRITE

Personal Write has never been very popular in this country. Whether this is because it has a slightly nonconformist approach to word processing or simply because not enough people knew about it, I don't know. Suffice to say that if you don't mind a somewhat odd method of working, Personal Write has some very good features, as you might expect from the team that brought you Personal Paint.

Personal Write is one of the most comprehensive text editors I have yet seen on the Amiga, with support for different character sets, like those used by the PC and Macintosh – and even the Commodore 64 set! It also has the ability to automatically insert true quote marks (you know the ones, they look like 66 and 99) when you have used standard shift-2s. Personal Write will check various things while you are typing, such as case and repeated words, and warn you in case they need correction.

Its printer support is quite phenomenal, giving you control over printer codes and postscript functions – you can even send a Postscript 'kill' command to the printer after it has finished downloading your document and it will stop the printout before it happens. Now, I know for a fact that Personal Write is the only bit of software that will do that on the Amiga, and very handy it is too.

But Personal Write does have quite a few problems. The first is the dreadful user interface it labours under. Non-standard keyboard shortcuts only make matters worse; having no Right-Amiga-q shortcut for quitting and having to deal with using the function keys for cutting, copying and pasting text makes me shudder and think back to Article Editor, the text processor that came with ProPage which used similar keys.

Personal Write also makes use of a very ugly custom file requester and gadgets. But back on the plus side again, Personal Write will save out text in a number of formats including ANSI, ASCII, FTXT and compressed. You can also encrypt saved text using a strong key encryption system which will prevent even the most determined user from accessing your secrets.

In keeping with the secrecy facilities of Personal Write you can also destroy documents from within the program. A file requester will appear asking you to select a file to destroy. You will be given a final chance to change your mind and then the file will be completely removed from your hard drive. Personal Write doesn't simply delete the file from the disk, it actually overwrites each byte so that the file cannot even be recovered using something like DiskSalv or AmiBackTools.

Personal Write can open as many document windows as you have memory for, and a print spooler ensures that you don't have to hang around for your text to print. You can actually insert pictures into a Personal Write document, but don't think that this is a WYSIWYG program. It's actually more like ProText and shares some of that program's additional features such as its extreme speed of operation.

Jargon box

PNG format – when Unisys told Compuserve that it had to pay royalties for using the GIF graphics format, the search was on for a free replacement. PNG is a compact graphics format that can handle up to 48-bit colour, compression, alpha channels and may other features. The only software to support PNG so far on the Amiga is Cloanto's Personal Paint. Cloanto have also released a PNG datatype into the public domain.

HAM6/8 – one of the ground breaking features of the Amiga back in 1987 was the fact that it could display as many as 4096 colours on the same screen. This mode is only really suitable for pictures and animations, but gives very good results with the right software. HAM8 was introduced with the AGA Amigas in 1992 and can display up to 262,144 colours on the same screen. HAM is an acronym that stands for Hold And Modify.

RTG – RTG is an acronym for ReTargettable Graphics. RTG is a standard by which the Amiga's workbench and other screens can be run on a third-party graphics card.

Convolution – convolutions are matrices applied to images to provide effects. They are a little difficult to explain, but transparent in use, so you won't need to worry about creating them.

FTXT – the FTXT format is part of the IFF standard as applied to text. FTXT stands for Formatted TeXT and is an Amiga ASCII-type document format.

Personal Write's requesters: 1 shows your document statistics including the most important factor for journalists – a word count; 2 shows the video preferences settings; 3 shows just one aspect of the Postscript settings; 4 shows just some of the ways PWrite will help you with your writing; and 5 lets you choose from several character sets to ensure that your text isn't rendered into gobbledegook when transferred to another machine

OVERALL

So what do I think of the CD? It's great value for money, even if you only ever use Personal Paint, the layout of the CD is clear and the online manuals are easy to use. The only downside with the package is that you are obviously not supposed to copy the programs onto your hard drive – they are only supposed to be run from the CD. This does mean that there are different language versions for all the programs and documentation, but it does make it awkward if you are the sort of person who'd rather have all your programs in one place. However, these are only small niggles and it's nice to see more CDs coming out that are actually useful.

Bottom line

REQUIREMENTS

RED *essential* | **BLACK** *recommended*

CD-ROM drive

1 Mb

RAM

PRODUCT DETAILS

Product	Cloanto Personal Suite
Supplier	*Amiga Computing*
Price	£39.95
Tel	01625 878888

SCORES

Ease of use	80%
Implementation	80%
Value For Money	90%
Overall	83%

POWER CD-ROM

BLUE CHIP AWARD

AMIGA GOLD

power cd-rom

The Power CD-ROM for the Amiga 600/1200 plugs directly into the PCMCIA port and provides a direct SCSI-I and SCSI-II interface, allowing up to six additional devices to be connected. What's more the Power CD-ROM features a 'Hot-plug' which allows you to connect and disconnect the CD-ROM and any other additional devices even when the Amiga is switched on.

The CD-ROM drive comes with a SCSI interface, PSU, manual, audio lead, mains lead and software which includes Audio CD, CD32 Emulator, MPEG Film Decoder and Photo CD.

AMIGA 600/1200

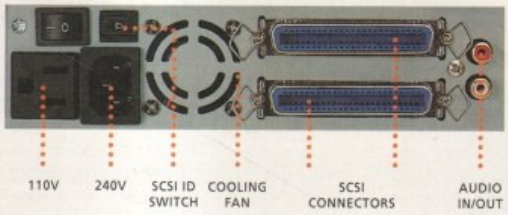
x2 SPEED CD-ROM INC.SQUIRREL . . **£179**
X4 SPEED CD-ROM INC.SQUIRREL . **£249**

AMIGA 4000

DOUBLE SPEED CD-ROM **£139**
QUAD SPEED CD-ROM **£199**
AMIGA 4000 SCSI-INTERFACE . . **£129**

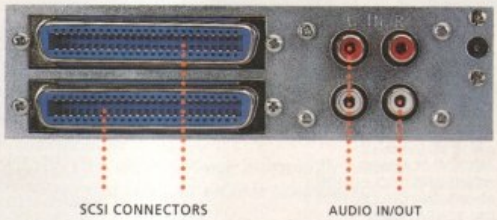
SCSI INTERFACE REQUIRED FOR A4000

quad-speed



£249
quad-speed

double-speed



£54
80 watt

£179*
dual-speed

*DUAL SPEED CD-ROM CASING DIFFERS FROM ONE SHOWN

CD-ROM SOFTWARE

LIGHTWAVE 3D ENHANCER	£55.95
CDBOOT 1.0	£29
WORLD INFO'95	£39.95
DA CAPO VOL 1 MUSIC MODULE	£25
FRESHFONTS II	£17
GAMERS DELIGHT	£25
GOLDFISH 2	£25
LIGHT ROM	£39
MAGIC ILLUSIONS	£10
MEETING PEARLS VOL 1	£10
MEETING PEARLS VOL 2	£10
THE LIGHT WORKS	£34
THE BEAUTY OF CHAOS	£12
AMINET SET 1	£25
AMINET 5	£12
AMINET 6	£12
AMINET 7	£12
CD-WRITE	£39
FRESH FISH 8	£25
GATEWAY VOL 1	£9.95

notice

Power Computing Ltd no longer sell this product due to the lack of support for VCD and CD-i formats (i.e MPEG Films). This CD player will not play movies.

the AMIGA is back!

a1200 pack

2MB of RAM
3.5" Floppy Drive
2.5" 170MB HD Option
Wordsworth v4se
Digita Datastore v1.1
Digita Organiser v1.1
Turbo Calc v3.5
Photogenics v1.2se
Personal Paint v6.4
Workbench v3.1
Whizz 3D Game
Pinball Mania Game

2Mb ram no HD **£399**
2Mb ram + 170Mb HD **£499**

a4000 tower

6MB RAM
68040/25 or 68060/50
Workbench v3.1
AGA Chip Set
16.7 Million Colours
1.2GB SCSI Hard Drive
1.76MB Floppy Drive
2 x 3.5" Drive Bays

68040+1.2GB HD **£2199**
68060+1.2GB HD **£2499**

All prices include VAT

scala mm300 software
Pre- Installed on A1200/4000 hard drive versions.
Does not include disks or manuals

3-glasses **£599**

amiga monitor **£299**

- PCMCIA Smart Card Slot
- 32-bit 68020EC Processor
- AGA Chipset
- 16.7 Million Colours
- Built-In Modulator

Monitor not included with A4000T

- 68040/25Mhz or 68060/50Mhz Processor
- 6MB RAM
- 1.2GB Hard Drive
- 1.76 Floppy Drive

TELEPHONE 01234 273000
FACSIMILE 01234 352207
POWER COMPUTING LTD
44A/B STANLEY STREET
BEDFORD MK41 7RW

.power

ALL PRICES INCLUDE VAT. SPECIFICATIONS AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL TRADEMARKS ARE ACKNOWLEDGED. ALL ORDERS IN WRITING OR BY TELEPHONE WILL BE ACCEPTED ONLY SUBJECT TO OUR TERMS AND CONDITIONS OF TRADE, COPIES OF WHICH ARE AVAILABLE FREE ON REQUEST.

Tel: (01903) 850378
Fax: (01903) 733893
e-mail: seasoft@mag-net.co.uk

SEASOFT

VISA MasterCard Access

MERRY CHRISTMAS & HAPPY NEW YEAR TO OUR CUSTOMERS

OctaMED V6 £35.00

95% – Amiga Shopper
94% – CU Amiga
91% – Amiga User
9/10 – Amiga Computing

New font-sensitive GUI layout, Loads, saves Std MIDI files, Supports RAW, IFF, AIFF, WAVE, MAUD samples (mono & stereo).
Save mods as executable files
Supports Aura sampler and Toccata sound board.
(Requires Kickstart 2 or greater and 1.5 Meg Ram)

T.I.13 - £2.50

Latest issue of the MED Users Group Disk mag. Essential reading for all OctaMED users
(Iss 6 to 12 also available)

LOOM – £10.00

LOOM is an exciting departure from the normal methods of Amiga music production. It is a hybrid between a simple, yet powerful visual programming language and a composition system.

Simple music OBJECTS (notes, chords, phrases or songs) are assembled together and modified with various tools & mathemaiical functions including data from Chaos Theory, Fractals, Non Linear Systems etc.

(Needs 4 Meg of RAM)

KIDS ONLY - £10.00

Originally due for commercial release this brilliant collection of eductional activities is now only available from Seasoft.

COLOURING PAD, I-SPY, DOT 2 DOT, PICTURE SLIDE, MUSIC MAKER, WORD SEARCH, PAIRS

Each colourful activity has various skill levels making this title ideal for kids of all ages.
(demo version PD disk 2282)

TECHNOSOUND TURBO 2 - Pro

Latest version of this popular 8-bit sampler
£29.99

1200 KICK V1.3# (1)
Get those old A500 progs working!
1344 MAGIC WORKBENCH #^ (1)
1318 PRINTER DRIVERS (1)
Canon BJ; HP Deskjet; Ricoh etc.
1462 MIDI TUTORIAL # (1)
1526 WORD FACTORY (1)
Quality spelling prog for young kids
1989 MIDI UTILS 1 # (1)
1990 MIDI UTILS 2 # (1)
1991 MUSIC X UTILS 1 # (2)
1993 MUSIC X UTILS 2 # (3)
2009 HARD DRIVE UTILS # (2)
Aback Up; Fix Disk; VC; Click Dos 2; ReOrg;; Tools Daemon; Mr Back Up etc.
2121 A-Z PAINT PAD (1)
Excellent paint package for kids
2209 PERSONAL ANALYSER # (1)
Do you know yourself?
2268 BIG GIRLS 2 #^ (3)
Well presented 20 "Page 3" pics
2335 EXCELLENT CARD GAMES III #^ (1)
Poker, Czarina, Colours, Scottish & Napolean
2336 COARSE ANGLER # (2)
Excellent coarse fishing game/simulator
2340 DOPUS UTILS VOL 2 (1)
Various utilities for use with D'Opus
2341 CHANEQUES # (2)
Excellent game – watch out lemmins!
2344 PAGESTREAM 3H UPDATE (2)
2374 – MAGIC WB EXTRAS 11 #^ (2)
2376 - MAGIC WB EXTRAS 12 #^ (2)
2380 - DOWNLOADER (1)
26 new fonts for use with 24 pin dot matrix printers or compatible printers.
2381 - BALLS (1)
Well presented Shareware Lottery
2382 - SEVERED HEADS #^ (X) (2)
Graphic adventure game, adult only
2384 - AMIGA DOS GUIDE # (1)
2388 - MR GREEDY (1)
Excellent Story book for young kids
2390 - ALIENS CONFIDENTIAL MULTIMEDIA #^ (9)
Packed with interesting facts & pics
2403 - WAC AMOS SPECIAL #^ (1)
Amos disk mag – a must for Amos users
2405 - EMOTIONAL CONFLICT #^ (1)
Impressive Graphic Adventure game
2406 - HP LASER JET 4 DRIVERS (1)
LJ4 Boost, Miniprint, HP4L, Control
2407 - CMS TRAX 7 # (1)
5 Excellent OctaMED Modules
2408 - MULTIVISION 9 # (1)
2409 - MULTIVISION 10 # (1)
2410 - MULTIPRINT 5 # (1)
2411 - DISK HELPER 9 # (1)
2412 - DISK HELPER 10 # (1)
2413 - AUDIO MAGIC 14 # (1)
2414 - AUDIO MAGIC 15 # (1)
2415 - OFFICE HELPER 4 # (1)
2416 - PAMELA ANDERSON (X) #^ (2)
2418 - CLAUDIA SCHIFFER (X) #^ (3)
2428 - HD GAMES INSTALLER 4 (1)
2429 - ABYSS DRUGSTORE #^ (2)
2431 - FREEZER LECH #^ (1)
Three of the very latest AGA Demos
2433 - KIDS 7 # (1)
Excellent programs for young kids
2437 - INTERNET UTILS 2 # (1)
AmiTalk; AmiTCPHelper; AmiWatch; Control Panel; GUIF; Online O Meter.
2438 - ESSENTIAL AMINET 7 # (1)
Image FX & Image Studio data/patches; LHAControl; L4Boost; MasterISO; Photogenices etc.
2439 - FRODO V1.5 # (1)
Commodore 64 emulator

AMIGA P.D. FROM ONLY 75p PER DISK

This is only a very small selection of PD titles in our collection. If you cannot see what you are looking for then PLEASE ASK.

2440 - ROM 4 DISK MAG # (2)
All you need to know about the Demo scene
2452 - STAR TREK GUIDE # (6)
All you wanted to know about StarTrek
2458 - DR WHO ANNIVERSARY # (5)
Do you know who the Daleks were?
2466 - FINDING THE TRUTH 2 # (2)
2468 - FINDING THE TRUTH 3 # (1)
All the latest on UFO findings
2469 - DOS MAN (1)
Ref book for beginners and experts.
2470 - IMAGE STUDIO 2.1 (2)
Latest version of this excellent program
2482 - SUN #^ (2)
Excellent Fantasy Demo
2484 - MASTER BLASTER # (1)
Excellent Dynablaster clone
2485 - SKIDMARKS 2 CARS (2)
More cars for Skidmarks 2 game
2487 - DELUXE PACMAN V1.6 #^ (1)
Super Pacman game
2490 - CMS TRAX 8 # (1)
More excellent OctaMED 6 mods
2491 - MESSYSID 3 (1)
Don't have Cross Dos! then get this.
2492 - DUCK DODGERS # (1)

AMIGA PD/SHAREWARE PRICES

1 disk – £1.50, 2 to 4 disks – £1.25, 5 to 9 disks – £1.00, 10 to 19 disks – 80p, 20+ disks – 75p

Prices per disk – Number of disks shown in brackets
Titles marked # will not work on A500 (V1.2/V1.3); ^ will not work on A500+/A600; (X) are suitable for over 16s only

2472 - THE WORD 6 #^ (1)
NFA Disk "scene" magazine
2473 - AMIGA E V3.1A # (2)
Latest E Compiler (iha format)
2475 - PICTURE BOOK #^ (4)
Stunning AGA Demo – worth a look
2480 - SCOUT # (1)
Comprehensive System Monitor
2481 - TRANSITION # (1)
Image conversion package
Addictive platform game
2493 - SHAPESHIFTER V3.1 # (1)
Apple Mac emulator
2494 - CHEATS V2.1 (2)
Loads and loads of game cheats
2496 - THREE DIMENSIONS 17 (1)
A must for 3D Con Kit users
2497 - ALTERNATIVELY MUSICKED # (1)
Out of this world - OctaMED Mods
2498 - MUSIC FIRST # (1)

LATEST CD-ROMs

free postage & packing (UK only)

17-BIT FIFTH DIMENSION	£17.50
A DROP IN THE OCEAN (Audio CD)	£9.00
AGA EXPERIENCE	£17.50
ADULT SENSATIONS	£17.50
ADULT SENSATIONS 2 (over 18s only)	£17.50
AMINET 8	£13.50
AMINET SET 1 (quad)	£22.50
AMINET SET 2 (quad)	£25.00
AMOS PD Version 2	£17.50
ARCADE CLASSICS	£13.50
ASSASSINS COLLECTION 1	£9.00
ASSASSINS COLLECTION 2	£17.50
C64 SENSATIONS	£17.50
COLOUR LIBRARY	£9.00
GRAPHICS SENSATIONS	£17.50
GROLIERS 2 ENCYCLOPEDIA	£25.00
HOTTEST 6	£17.50
LSD 3	£17.50
MULTIMEDIA TOOLKIT 2	£22.50
NETWORK Volume 2	£13.50
PROFESSIONAL IFF/PCX CLIPART 2	£17.50
SCI-FI SENSATIONS	£17.50
SOUND & GFX WORKSHOP (double)	£17.50
SPECTRUM SENSATIONS 2	£17.50
UPD GOLD (quad)	£25.00
ZOOM	£17.50

SPECIAL VALUE PD PACKS ONLY £7.50 PER 10 DISK PACK

OctaMED mods of Eric Clapton
2499 - TEXT ENGINE 5 # (1)
The very latest and best s/w Word Processor
2500 - AEVOLUTION # (3)
Quality OctaMED Mods
2503 - TARGET # (1)
Great game - shoot the targets!
2504 - UFO ANIM #^ (1)
2505 - THE WORD 7 (2)
NFA disk mag of the Demo Scene
2507 - SURFING THE JAZZ WAVES # (1)
Excellent Jazz Music Demo
2508 - VIRUS CHECKER 7.17 # (1)
Latest and best virus checker around
2509 - C64 EMULATOR V3 (3)
Latest emulator and games
2512 - FRUIT KITCHEN - SILENTS #^ (2)
2514 - HATE 2 - FRANTIC #^ (2)
2516 - THRILLED - EMBASSY #^ (2)
2518 - ZIF #^ (2)
The latest AGA demos, all req HD
2520 SHEPHERD # (1)
Populas/Gods style game
2521 SCION V3.13 # (1)
2522 GEN TREE # (1)
2 comprehensive genealogist programs
2523 YOUR FIRST PONY (2)
Learn all about caring for your pony
2525 AIRSHOW # (1)
Pictures from recent airshows
2526 MESSERSCHMITT BF109 (2)
Text book and pics about this fighter
2528 ULTIMATE DMC DEMO # (1)
Demo of F1 Disk magazine creator
2529 ULTRA ACCOUNTS V2 # (1)
Comprehensive banking package
2530 TURBO CAT PRO V1.2 # (1)
Disk Catalouger
2531 TRAP EM GAME # (1)
2532 AMOS EXTENSIONS (1)
2535 FRANTIC # (1)
2534 ADVANCED AMIGA ANALYSER (1)
2536 SHARD WB3 LIBS & DATATYPES (1)
2537 PD PAK 6 # (1)
2538 WB3 UTILITIES #^ (1)
2539 THE BEST OF THE REST # (1)
2540 SAMPLES (3)
2543 ULTIMATE MUSIC JAM (1)
2544 THIRD DIMENSION 18 (1)
2545 CD ROMS INFO (1)
2546 SPECTRUM GAMES (4)
For use with Speccy emulator
2550 VARIOUS PRINTER DRIVERS (1)
2551 SPITFIRE V4 (2)
Text book and pics about the Spitfire
2553 VARKS CLI UTILS 7 # (1)
2554 DOGS COGS DEMO #^ (3)
Excellent music demo by Nerve Axis
2557 LOBE DEMO #^ (1)
2558 GAP DEMO #^ (1)
New aga demos from the Remedy Party
2559 GRAPHIC WORKBENCH #^ (2)
HD utility to create backdrops including 10 backdrops and icon sets
2561 GRAPHIC WB EXTRAS #^ (2)
More backdrops from Reko card sets
2563 HEAD & SHOULDERS #^ (1)
Effect brings you various chip modules
2564 DALA HORSE DEMO #^ (4)
Powerful HD Demo by Razor
2568 GLOOM GAME DEMO #^ (1)
HD Doom style Playable demo
2569 ABSOLUTE BEGINNERS GUIDE TO WORKBENCH V3 VOL 1 #^ (1)
2570 F1 PUNTER UPGRADE (1)
Upgrade to F187 Punter V3 to V3.1
2571 A-BACKUP V5.01 # (1)
Latest HD backup utility

– NEW – AURAL SYNTHETICA £30.00

DIGITAL MODULAR SAMPLE SYNTHESISER

From the author of Aural Illusion
Modular synthesiser design provides the most versatile sound generation program on any platform.
Samples saved as IFF, AIFF, WAV or SAFF formats (needs Kickstart 2 or greater & 2Meg of RAM).

CALL FOR FULL DETAILS

MIDICRAFT MAGAZINE

Following on from where the highly successful AM/FM left off, this new disk based mag from the Craft Brothers is a must for all Amiga musicians

£2.50 per issue
(Issue 8 now available)

AURAL ILLUSION 2 £20.00

8/16 BIT SAMPLE PROCESSOR

32 bit processing
55 manipulations
30 Effects including Time Stretch, Graphic Eq. Mixer & Resonant Filter
Compatible with most popular 8/16 bit file formats including IFF, AIFF, WAV, VOC etc
Improved Synthesised Sound Editor
(needs Kickstart 2 or greater & 2 Meg of RAM)

MIDI MODULES

High quality Music-X and Amiga/PC MIDI files (state format required) produced and arranged by Kevan & Gareth Craft

Volume 1 - £15.00
Vol 2 for Keys - £10.00
Volume 3 - £20.00
Dynamite Drums 1 – £10.00
Dynamite Drums 2 – £15.00

Call for further details

MIDI INTERFACE

1 IN, 1 THRU & 3 OUT with pair of leads
£22.50

PACK 2 (a & b)
MAGIC WB EXTRAS
Packed full of backgrounds, Icons etc for Magic WB
2 packs available (2a & 2b)

PACK 4
EDUCATION
The best Public Domain Educational programs around for young children ages 4-11

PACK 5
SAMPLES
Packed with a wide range of quality samples for your favourite music package. (Please state RAW or IFF)

PACK 6
KLONDIKE, BLACKJACK & VIDEO POKER
Excellent AGA card games & extra card sets for your A1200HD

PACK 8 (a to j)
OctaMED Modules
Hundreds of mods from the Med Users Group collection.
10 packs available. (8a to 8j)

PACK 9 (a & b)
CG FONTS
Loads of quality Compugraphic fonts for WB 2 &3, Wordworth 2+, Page setter 3 etc.
2 packs available (9a & 9b)

PACK 11
CARTOON CLIPART
Mono & Colour IFF clipart of your favourite characters from Porky Pig to the Lion King.

PACK 18
U.F.O.
Full of interesting info from around the world - text files & pics on sightings, encounters & abductions etc.

OTHER SPECIAL VALUE PACKS

PACK 12 – £5.00
OctaMED 4
6 disks with the full version of this A500 compatible music program, disk based manual and a selection of mods & samples to get you started.

PACK 13 – £11.50
GLAMOUR PACK
15 disks packed with AGA beauties from the famous Body Shop collection.
(A1200 only – not suitable for anyone under 16).

PACK 14 – £4.50
OFFICE PACK
5 essential tools for the home/small office. Word Processor, Database, Forms Designer, Accounts and Spreadsheet.

HORIZON

A NEW NAME IN LICENCEWARE DISTRIBUTION

The following titles are only £3.50 each
Call for complete listing

TOUCH TYPING TUTOR 2 - Excellent tutor
PAINT, PASTE & DRAW - paint package
FAST FRET - teach scales on the guitar
A-CHORD - teach chords on the guitar
DRAW SELECTOR - database for the pools
LOCKOUT PRO - a must for HD owners
POWER ACCOUNT - home finance package
LOTTERY FORECAST - random etc.
LOTTERY LEAGUE - lottery database
POWER TEXT - text editor & word processor
ASTRONUTTY - puzzle arcade platform game
BUGGLES - quality platform game
CRYSTAL SKULL - graphic strategy game
DRAGON TILES 2 - Mahjong puzzle game
HARRY - Arcade game - help the painter!
LASERS - puzzle solving arcade game
SENTINAL - excellent puzzle game
FRONTIER DEFENDER - space combat game
WINNING POST - horse racing simulator

LITTLE GEM

Mixer & E.Q. unit
The ideal accessory for OctaMED etc.
9/10 - Amiga Computing
83% - CU Amiga
83% - Amiga User
80% - Amiga Shopper

£69.99

A1200 STARTER PACK

Mouse Mat
Dust Cover
Head Cleaner
10 Blank Disks
100 Cap Disk Box
10 ASI Games Disks

£19.95

F1 LICENCEWARE

We stock the entire F1 range
Call for complete listing

F1-74 AMIGA ASSIST £3.99
New to the Amiga - then get this disk.
F1 101 INTRO TO DOS 2 £6.99
F1-16 PIC KNIT £3.99
Convert IFF pics to knitting patterns
F1 91 D.M.C. £4.99
Excellent Disk Magazine creator
F1-99 GRAC USER DISK £3.99
A must for all Grac users
F1-69 GUITAR CHORD DIR £3.99
Displays over 276 chords
F1-71 MUSIC 2 TAB EXCEL £3.99
convert music notations to tabs
F1-106 AMOSZINE 8 £5.99
Disk magazine for Amos users

F1 GOLD with printed manuals

GRAC V1.1 - £6.99
Powerful Graphic Adventure Creator
BLACKBOARD V4 - £8.99
Comprehensive Image processor
MAGIC PAINT BOX - £6.99
Paint package especially for kids

Please remember to add the following Postage & Packing charges:

50p to orders for P.D./Licenceware only (£1.50 Europe, £3.00 R.O.W.) or £1.00 if your order includes other items (Europe & R.O.W. at cost).

Please make cheques/postal orders payable to SEASOFT COMPUTING and send to:

Seasoft Computing, (Dept AC), Unit 3, Martello Enterprise Centre, Courtwick Lane, Littlehampton, West Sussex BN17 7PA

or telephone

(01903) 850378

10.00am to 7.00pm Mon-Fri (to 5pm Sat). Visitors by appointment only please

Structured time

Andy Maddock looks at the first update to Digita's computer organiser

Digita Organiser 2 is the second in the series of Personal Information Managers. After the first was released back in July, it was difficult to believe that such a package could be improved upon. It may not have had the portability of a real filofax, but for features and extensive options you couldn't go far wrong.

Digita are renowned for using their typical GUI that featured on all their past products. The same icon display and menu system is used as in Wordworth which also became extremely popular because of its ease of use. Obviously, Digita firmly believe that this display system is the most user-friendly. It allows you to see everything you can possibly access, so there are no windows hiding in the background and you don't have to re-arrange your desktop just so you can view various parts of your information.

The actual display simulates a real filofax with real pages to turn, handy bookmark tabs at the side of each section, and even rings in the binder. As you turn the pages, a small, quick animation of a page turning comes into effect, which just proves how realistic they want to make it.

The idea behind this is to present the PIM in a way most people are used to. There's no point in designing an easy GUI if you're going to have to sift through pages of the manual just to work out how you get it running. People who've owned filofaxes previously will be instantly familiar with the layout, and transferring data from a normal, everyday, ring binder to the Amiga couldn't be simpler.

Colours

The tabs on the side of the filofax are all different colours so you don't have to turn your head to read the print. The features consist of Calendar, Diary, Tasks, Address Book and the Supplements. The supplements are right at the back of the book and contain 'loose leaves' which are blank sheets of paper to write down notes and any other bits of information that wouldn't usually belong in any of the previously mentioned categories.

Digita Organiser 2 includes some new features which could have come in very useful to owners of the previous package. For instance, you can create links between various categories, so making a link between somebody's address and their birthday can be carried out at the click of a button. These categories would normally be separated and couldn't be connected together.

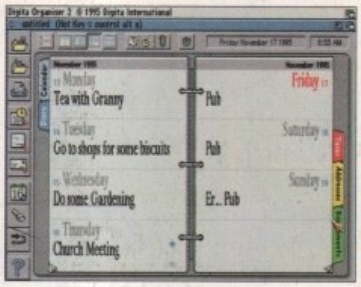
If you buy Digita Organiser 2 you will receive another product called the 96 Plus Pack which contains over 100 supplement additions and 20 new Diary Themes including Sport, Disasters, National Days, Computers, Gardening, and many more. All these can be placed at the back of the filofax as an instant reference section. The disk can be installed on to the hard drive along with the organiser package, and by dragging the various supplement icons across to the 'Supplements' drawer you will be able to access them as the program starts up.

The whole package is thankfully complemented by an AmigaGuide tutorial which has an extensive reference section for explanations of various commands and topics, along with other information. The guide will inform you about installation instructions as well as an in-depth tutorial which, step-by-step, will take you through the entire package.

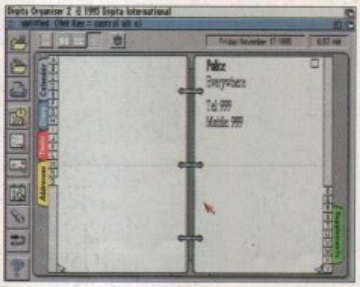
From what I saw of the first version, the second version doesn't really contain any other noticeable features that stand out. If you already own the first Digita Organiser then you can upgrade to the second version for £14.99. Although this price still seems quite expensive for the amount of features, it will provide you with more power and speed to almost certainly improve your day-to-day organisation.

The 96 Plus Pack containing all the new supplements is an excellent purchase at only £9.99. The supplement disk would undoubtedly make your filofax bigger if yours is lacking in content, and it also contains various topics of information such as corresponding births and deaths

If you are looking for a comprehensive, fully configurable electronic filofax then look no further than Digita Organiser 2. As most of the Personal Information Managers are on offer as Public Domain and Shareware, despite the price, Digita Organiser 2 would be an excellent purchase if you happen to use an Amiga for work purposes. AC



You can select the Diary by the colourful tabs that stick out from the filofax itself



The address book is nice and easy to use, with the alphabet listed down the right-hand side

Acting on response

The new features in Digita Organiser 2 may not be immediately noticeable, and may not add any cosmetic differences, but after a while they will become impossible to live without as they increse the power and speed immensely. It's difficult to come to a conclusion about this product as I'm not sure the new features actually warrant a second edition. However, I'm sure many people will argue that the package should have contained these features when it was first released, although in Digita's defence, they have listened to all their existing users and acted upon the response which many companies would undoubtedly deem far too time consuming.

Bottom line

Product details

Product	Digita Organiser
Supplier	Digita International
Price	£49.99, upgrade from v1 £14.99
Tel	01395 270273

Scores

Ease of use	90%
Implementation	80%
Value For Money	70%
Overall	85%

TDK DISKS AT BULK PRICES

GREY-TRONICS LTD

LOWEST PRICES | BEST SERVICE | RAPID DELIVERY

SALES FREE CALL 0500 737 800

OTHER ENQUIRIES 0181 686 9973 / 0181 781 1551

3.5" DISKS

TDK disks at bulk prices

100% CERTIFIED ERROR FREE DISKS + LOCKABLE BOXES

	TDK DS/DD	DS/HD	
50 3.5" Disks	£15.99	£18.99 + 100 cap lockable box	Add £4.00
100 3.5" Disks	£27.99	£28.99 + 100 cap lockable box	Add £4.00
150 3.5" Disks	£38.99	£41.99 + 2 x 100 lockable box	Add £8.00
200 3.5" Disks	£48.99	£51.99 + 2 x 100 lockable box	Add £8.00
300 3.5" Disks	£73.99	£76.99 + 3 x 100 lockable box	Add £12.00
400 3.5" Disks	£98.99	£101.99 + 4 x 100 lockable box	Add £16.00
500 3.5" Disks	£123.99	£126.99 + 5 x 100 lockable box	Add £17.50
1000 3.5" Disks	£229.99	£234.99 + 10 x 100 lockable box	Add £30.00

FREE LABELS + FREE DELIVERY BY PARCEL FORCE

HARD DRIVES

EXTERNAL OVERDRIVE HARD DISK

Provides games and data portability to A600/A1200.

External casing..£68.00 560Mb...£234.99

INTERNAL 2.5" + CABLE + SOFTWARE

80Mb 2.5"....£69.99 250Mb...£137.99

120Mb 2.5"....£99.99 340Mb...£179.99

170Mb 2.5"...£124.99 510Mb...£259.99

CD-ROM DRIVES

Overdrive Double Speed CD.....£174.99

Overdrive Quad Speed CD.....£234.99

Squirrel SCSI-2 Interface.....£69.99

Plugs into your PCMCIA & allows you to connect 7 SCSI devices

RAM UPGRADES

2Mb Ram.....£127 Alternative.....£120

4Mb Ram.....£187 Alternative.....£180

FREE DELIVERY

GENLOCKS

FUSION VIDEO GENLOCK

It is a high specification video genlock that is ideal for both the first time user (for adding titles, graphics & effects to home movies) and the semi professional user (wedding videos, corparate presentations...). **FREE Scala HJ100** (enables you to add special effects and overlay text on to your video). **£98**

INK CARTRIDGES & REFILLS

HP Deskjet Black Dual Capacity Cartridge	£22.99
HP Deskjet Black Refill	£7.99
HP Deskjet 500C/560C Colour Cartridges	£25.99
HP Deskjet 500C/560C Colour Refill	£16.99
Canon BJ 10/200 Black ink Cartridges	£16.99
Canon BJ 10/200 Black ink Refill	£9.99
Citizen Projet IIC Colour	£34.00
Citizen Projet IIC Mono	£20.50

ACCESSORIES

AMIGA CABLES

Amiga to TV Scart	£10.99
Amiga to Sony TV	£10.99
Amiga to Amiga (Parnet/Null modem)	£10.99
Modulator overhang lead 23M/23F	£11.99
Joystick Splitters	£5.99
Automatic Mouse/Joystick cable	£13.99
Joystick Extension Lead 10ft	£5.99
Printer Lead	£4.00

DUST COVERS

Amiga 1200/500/500+/600	£4.00
Commodore/Philips monitors	£4.00
Star/Citizen/Panasonic Printers	£4.00

ACCESSORIES

Amiga Disk Drives (Sony 2yrs warranty)	£54.00
Amiga Mouse (top quality)	£11.50
Internal Drives A500/A500+/A600/A1200	£34/£44
TV Modulator (2yrs warranty)	£34
Deluxe Mouse Mat	£1.99
1000 Labels	£8.99
3.5" Disk head Cleaner	£1.99
Python 1M Joystick	£8.75
Maverick 1M Joystick	£10.99

ADD £2 FOR DELIVERY

PRINTER RIBBONS

BLACK

Amstrad DMP2000/3000	£3.00
Amstrad DMP4000	£3.66
Amstrad PCW 8256/8512/LQ3500	£3.00
Amstrad 9512	£3.50
Citizen 120D/LSP10/Swift24/9	£2.85
Epson LQ100	£4.10
Epson LX80/86/90	£2.50
Epson LQ400/500/800/850	£3.45
Epson FX/MX/RX80/LX800	£3.45
NEC Pinwriter P2200	£3.50
Seikosha SP1200/1600/2000	£4.00
Panasonic KXP1123/1124/1180	£3.30
Panasonic 2135	£8.25
Panasonic KXP 2123/2180	£4.00
Star LC10/20/100	£2.90
Star LC200	£3.50
Star LC2410/24200	£3.00

COLOUR

Citizen Swift 24	£12.99
Panasonic 2135/2123/2180	£13.99
Star LC10/20/100	£7.00
Star LC200	£12.30
Star LC2410/24200	£12.50

Add £2.00 p&p

PRINTERS

FREE MOUSE MAT WITH LEAD

DOT MATRIX PRINTERS

PANASONIC KX-P2135

* 24 pin SUPER Quiet COLOUR printer
* 20 Page built-in sheet feeder
* 7 Colour printing
* 250 Cps. Draft Micron, 83 Cps LQ.
* 2 paper paths – top & rear
* Noise level 43.5 dBA in super quiet mode

£164.99

CITIZEN ABC

* 24 pin COLOUR printer
* 50 Page built-in sheet feeder
* 192 Cps. Draft Micron, 64 Cps LQ.

£144.99

CITIZEN *SWIFT* 200C

* 24 pin COLOUR printer
* ULTRA quiet mode 43 dBA
* 216 Cps. Draft Micron, 72 Cps LQ.

£169.99

NEC P2Q

* 24 pin MONO £124.99

INK JET – DESKTOP & PORTABLE

HEWLETT PACKARD 600

* Inkjet MONO printer £245.00

COLOUR OPTION .....Add £25 to mono price

HEWLETT PACKARD 660C

* Prints up to 4 ppm
* 600 x 300 dpi COLOUR
* 6 built-in type faces
* Built-in sheet feeder

£325.00

CANON BJ 200EX

* Prints over 3ppm.
* Built-in 'smoothing' function giving an effective 720 x 380 dpi
* 204cps HQ and 248cps HS
* Whisper quiet operation of 42 dBA
* Built-in 100 x A4 automatic sheet feeder
* 1 Year Warranty

£207.99

CANON BJ 30

* MONO Inkjet printer & Prints over 3ppm.
* Built-in 'smoothing' function giving an effective 720 x 360 dpi
* Incorporated easy to use LCD control panel & a warning to let the user know when the cartridge is running short of ink.
* Print speed up to 373 cps.
* Built in 30 x A4 integral sheetfeeder
* 1 Year Warranty

£184.99

CANON BJC - 70

* COLOUR Inkjet printer & Prints over 3ppm.
* Built-in 'smoothing' function giving an effective 720 x 360 dpi
* Has all the advanced features of the BJ-30 BUT with added advantages of the NEW BC-11 COLOUR ink cartridge – that gives TRUE black output.
* Built-in 30 x A4 integral sheetfeeder
* 1 Year Warranty

£289.99

CANON BJC - 4000

* COLOUR Inkjet printer
* Prints up to 4ppm – using the high performance cartridge
* 360 dpi for colour printing and an effective 720 x 360 dpi mono
* Prints on various media
* Built-in sheet feeder
* 1 Year Warranty

£289.99

CANON BJC - 600e

* COLOUR Inkjet printer
* Built-in 'smoothing' function giving an effective 720 x 360 dpi for mono print
* Improved logic capabilities allows you to print colour graphics at a speed of 0.6-1.2 ppm.
* Prints on various media & has fast print speeds for colour and black
* Separate CMYK ink tanks for economical printing

£412.99

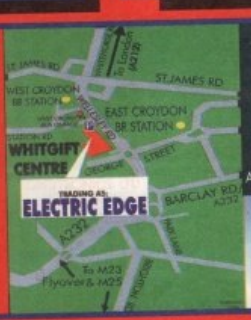
FREE DELIVERY WITH ALL PRINTERS

U.K. & INTERNATIONAL DELIVERY SERVICES – (BFPO ORDERS WELCOME + SURCHARGE)

LAND

AIR

SEA



ALL PRICES INCLUDE VAT & DELIVERY (unless otherwise stated). Delivery within 3 days (UK MAINLAND ONLY). ADD £10.00 FOR NEXT DAY DELIVERY CALL OR SEND CHEQUES/POSTAL ORDERS TO:

GREY-TRONICS LTD, UNIT 1015 WHITGIFT CENTRE, CROYDON, SURREY CR0 1UU

SALES HELPLINE: 0181-686 9973 Mail order prices only FAX: 0181-686 9974

All offers subject to availability. E&OE. Prices/Pack details may change without notice. Please allow 6 working days for cheques to clear.

GREY-TRONICS LTD.

AMIGA 1200

MAGIC PACK INCLUDES:

* Amiga A1200 Computer – 2Mb RAM
* 3.5" Floppy Disk Drive Built-in
* Wordsworth v4 SE – Word Processor
* Digita Datastore v1.1 – Database
* Digita Organiser c1.1 – Personal Organiser
* Turbo Cala v3.6 – Spreadsheet
* Personal Paint v6.4 – Paint Package
* Photogenics v1.2 – Pixel Editing
* Whizz – 3D Platform Game
* Pinball Mania – Pinball Arcade Game

STANDARD PACK 2Mb – NO HD	170Mb HARD DRIVE PACK
WAS ~~£399~~	WAS ~~£499~~
£369 Inc. VAT	£469 Inc. VAT

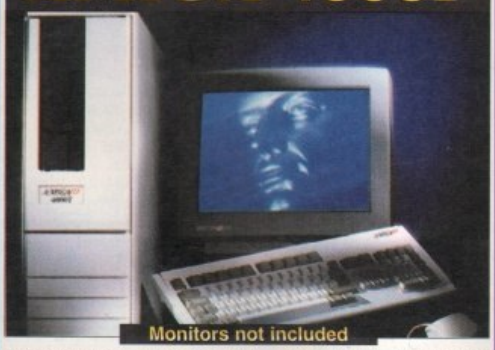
Optional Extra...
CHAOS SOFTWARE PACK

ONLY **£16**

When Purchased with A1200

Includes 4 EXCELLENT Titles:
CHAOS ENGINE – AGA £25.99
SYNDICATE.....£34.99
PINBALL FANTASIES – AGA ...£29.99
NICK FALDO'S GOLF – AGA ...£34.99
CHAOS PACK (Combined original RRPs) £125.96

AMIGA 4000T



Monitors not included

* Amiga A4000T Computer - 6Mb RAM - 1.2GB HD
* MC68040-25 or MC68060-50 Processor
* 1.7Mb 3.5" Floppy Disk Drive
* AGA Chip Set - Workbench 3.1
* 16.7 Million Colour Palette
* 4 Channel Stereo
* Scala MM300 Pre-installed

AMIGA 4000T – 040/25	AMIGA 4000T – 060/50
WAS £2231	WAS £2525
£2099 Inc. VAT	£2399 Inc. VAT

AMIGA CD32

SX1 Modular Expansion	£191.99
Keyboard for CD32	£36.99
Disk Drive for CD32	£54.00
CD32 to Amiga 1200 inc. software	£29.99
CD32 to Scart	£11.99
Competition Pro Pad	£15.99
Commodore Original Pad	£8.99
CD32 HiFi Lead	£11.99

Add £2 p&p for accessories

7 Games Pack: Cannon Fodder, Diggers, Liberation, Oscar, Microcosm, ProjectX, Ultimate Body Blows.

£194.99 Free Delivery

MONITORS

MICROVITEC 1448

This superb monitor offers a high quality 0.28 dot pitch and low radiation total MRP-II compliance. Complete with external Stereo Speakers and includes all leads – this is the monitor that we have all been waiting for.

£279.99

AMITEK 1084S

- 14" CGA colour monitor with Tilt & Swivel Stand
- Pitch of 0.39mm (manual says 0.42mm)
- Included cable to connect it to your Amiga.

£189.99

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.

£174.99

Scart Cable.....£10.99

AMIGA M1438S

- Official Amiga Technologies Branded Monitor
- .28mm Dot Pitch Colour Monitor
- Built-in Stereo Speakers
- Maximum Resolution 1024 x 768 Interlaced
- MPRII Compliant
- Auto-scanning

£287.99

FREE CALL: 0500 737 800

VISAGE COMPUTERS

27 Watnall Road, Hucknall
Nottingham NG15 7LD.

Tel: (0115) 964-2828
FAX: (0115) 964-2898

STORAGE

HARD DRIVES

WESTERN DIGITAL

3.5" E/IDE	
635MB	£159.99
850MB	£179.99
1 GIG	£199.99
1.2 GIG	£239.99
1.6 GIG	£329.99

Seagate

3.5" E/IDE	
420MB	£159.99
540MB	£179.99
1.0 GIG	£199.99
1.2 GIG	£239.99

HITACHI 2.5" IDE

340MB	£169.99
540MB	£249.99
810MB	£349.99
1.2 GIG	£649.99

LOW PRICES

Quantum

3.5" E/IDE	
540MB	Call
635MB	£159.99
850MB	£179.99
1 GIG	£209.99

A1200 OVERDRIVES

270MB	£189.99
540MB	£219.99
635MB	£229.99
1 GIG	£279.99
1.6 GIG	£379.99

A500 ALFAPOWER

270MB	£199.99
420MB	£229.99
540MB	£249.99
1 GIG	£299.99

Externally cased hard drives for the A500/A500+. Can be populated with up to 8MB of RAM.

All 3.5" IDE Hard drives require an adaptor cable when fitted into an A600/1200 (£15.00 when purchased with a drive) £19.99 when purchased separately.

If you have found a cheaper price elsewhere in the magazine, call us and we will do our best to beat it.

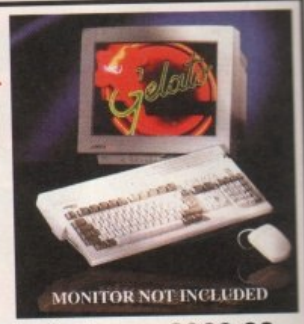
STOP! AND THINK

Before you purchase your hard drive from elsewhere, just look at what you get **FREE** with our drives!!!

- Drives are formatted and intstalled with WorkBench
- 100MB of top quality Public Domain software including:- Compugraphic fonts & clipart, Lightwave & Imagine objects, top demos & music modules, essential utilities, games and lots more!!!

AMIGA 1200 "MAGIC"

The awsome new AMIGA 1200 "Amiga Magic" pack is here. Software pack includes:
Photogenics 1.2SE
Personal Paint 4.6
WordWorth 4
Datastore 1.1
Digita Organiser/Print Manager
Turbo Calc 3.5, Pinball Mania/Whizz
PLUS FREE Mousemat & Dustcover



Only.....£389.99

Add £10.00 for a CHAOS Pack. Pack includes:- Nick Faldo's Golf, Chaos Engine, Pinball Fantasies, Syndicate

4000 Tower

25Mhz 68040 CPU
1.2GB SCSI-2 HD/6MB RAM
AT/IDE HD Interface,
SCALA MM300

£2149.99

Call for details and prices on 060 version.

AMIGA M1438s

High resolution colour multisync monitor for all the Amigas. Built-in stereo speakers.

£289.99

A500/A600 RAM

A500 1/2MB N/Clock	£19.99
A500 1/2MB W/Clock	£24.99
A500+ 1MB	£29.99
A600 1MB N/Clock	£29.99
A500 1MB W/Clock	£39.99

MITSUMI FX400

Internal IDE CDROM unit for the A4000 (requires Tandem CDROM controller). Super-fast 600Kb/Sec transfer rate.

FX400 CDROM	£149.99
FX400 Plus Tandem CDROM controller card	£199.99

CD ROM DRIVES

AIWA CDROM

External SCSI CDROM for the A1200. Plugs into the PCMCIA port. Fast 300Kb/Sec transfer rate. Connect up to six other SCSI peripherals.

Dual Speed ..... £Call

* Please call - new drive expected *

STUDIO 2 - PRINTER S/W

Professional print studio for the Amiga. Enhance the output of your printer inc. 720DPI on Epson Stylus Colour. Only £49.99

PRINTERS

EPSON

Stylus Colour - II Inkjet printer offers photographic like quality when used with optional 720DPI printer driver (coated paper required). Built in auto sheetfeeder.

NEW LOW PRICE

From only £299.99
Coated 720DPI paper

MODEMS

EXTERNAL

BABT approved FAX/Modem. Complete with all leads, PSU and Comms software.

Low Price	£109.99
V34-28,800	£179.99

LOGIC 3 SCREENBEAT SPEAKERS

SB3 (10W)	£15.99
SB25 (25W)	£29.99
SB PRO 50 (50W)	£39.99
SB PRO 80 (80W)	£89.99

All speakers come with cables

ACCESSORIES

240 CAPACITY DISK BOX

The Logic3 stackable storage box holds up to 240 disks.

Only £12.99

ASK FOR QUANTITY PRICES

ALFA DATA PRODUCTS

Megamouse-400dpi	£12.99
Megamouse-3Button	£14.99
Auto J/Mouse switcher	£14.99
AT-Bus2008/IDE	£79.99
AT-Bus2008/SCSI	£109.99
AlfaPower/A500/IDE	£89.99
Tandem Controller	£59.99

APOLLO ACCELERATORS

APOLLO 4040/4060

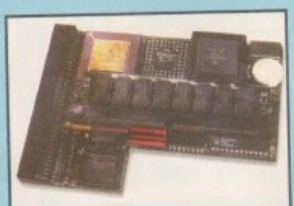
The new Apollo A4000 Accelerator fits into the CPU slot of the A4000 (A3000/T). Fully upgradeable to the Motorola 68060 CPU (Call for prices and availability). Comes in 33, 40 & 50Mhz versions, 4 x 72pin SIMM sockets (2 x 72pin SIMM for A3000Desktop) & SCSI-2 controller.

40Mhz £699.99 | 50Mhz £749.99

APOLLO 1220

The 1220 combines the best Price/Performance ratio for any Amiga 1200 accelerator. With a 68020/28Mhz and 28Mhz 68882 FPU, 1 x 72pin SIMM socket (1 or 4MB). Real-time battery backed clock.

Only.....£99.99



MEMORY SIMMS

4MB - £129.99	8MB - £239.99
16MB - £399.99	16MB - £CALL

620

The world first accelerator for the A600 is here... 25Mhz 68020 CPU, 68882 FPU, 1 x 72 pin SIMM Socket (1, 2, 4 or 8MB). Requires internal fitting

£139.99

2030

Accelerator card for the A1500/2000. Available in 25 or 50Mhz versions, complete with 68882 FPU & SCSI-2 interface. Not compatible with GVP cards.

FROM £299.99

HOW TO ORDER

BY POST – Please make cheques and postal orders payable to *"Visage Computers"*. Please allow 5 working days for cheques to clear.

WE ACCEPT ALL MAJOR CREDIT CARDS INCLUDING SWITCH & VISA DELTA

DELIVERY CHARGES
NEXT DAY – £6.95
STANDARD – £3.95

BY PHONE – Credit/Debit card orders taken from 9.30am - 5.30pm Monday to Saturday.

CALL (0115) 964-2828 OR (0115) 964 2898 TO PLACE YOUR ORDER

The future starts here

A new year and a new look for **Amiga Computing**. But what about the Amiga? Will 1996 be the renaissance of **Commodore's** baby? Over the next few pages you will read about our suggestions for the next revision of **Workbench**, what industry pundits think of the year ahead, how the world's best Amiga show went in **Cologne** and just how the **PowerPC** chip will change the Amiga for the better.

The path ahead

1996 is make or break time for the Amiga. **Gareth Lofthouse** looks to the future and assesses **Escom's** chances of pulling off the most remarkable **comeback** in the history of computing

Another new year: a time when most of us instinctively look to the future with greater vigour and optimism than usual, whether that be the result of wishful thinking or a chronic excess of alcohol over the Christmas festivities.

This time last year, though, no amount of looking on the bright side could change the fact the Amiga's chances of a revival were rather slim. And even following Escom's takeover in May, it's been hard to banish doubts arising from the lack of news about more products, the virtually none-existent advertising campaign, and delayed supplies of the machine itself. So how come the Amiga community is feeling so much more optimistic about 1996.

The simple answer is that news is finally coming through about plans for Amigas that will not only compete technologically with the best machines the rival platforms can offer, but maybe even leave them behind.

COMMITTED

As reported in our special Cologne show report, *(see page 42)* Amiga Technologies have taken the plunge and committed themselves to developing a new range of Amigas based on the Power PC RISC chip. At the same time, Phase 5 have developed a Power PC board that will be compatible with the current Amigas, allowing current owners to take advantage of the vast benefits that RISC processing will bring. The still distant, but more concrete, hope of actually seeing a RISC Amiga made has been backed up with a fairly busy release schedule from Amiga Technologies in the meantime. As usual, however, the announcement has given rise to a whole new set of questions, not least of which is 'Who's still going to be developing for the new Amigas when they finally appear?' *Amiga Computing* spoke to long-time supporters with differing views on the machine's future prospects.

SCALA

Scala have always been in the vanguard of serious Amiga development, but having successfully diversified into the PC market with their new multimedia package based on MMOS, are they sufficiently impressed by Escom's latest plans to continue developing on RISC-based Amigas?

Scala UK Joint MD Barry Thurston, excited by the multimedia potential of a RISC-based Amiga

"It represents no technical problem for us," said Barry Thurston, Scala UK's joint MD. "I think developing for Power PC Amigas would be very good timing for us. There was some debate over whether or not we'd port MMOS back to the Amiga as it is now. But I imagine that going with the Power PC environment would suit the MMOS environment better, and certainly we'd be able to get a lot more functionality."

Thurston points to the fact that a Power PC Amiga would be able to run Windows 95 as well as AmigaDOS which is a distinct benefit arising from this development: "With products like Scala MMOS being cross platform, it could make a nice link between different environments on a network, for example."

Turning to the near future, and the Amiga's chances in 1996, Thurston is bullishly confident: "Where the Atari ST failed, and where the Archimedes hasn't been successful, I think with the Amiga it will be different,' he asserted. "I think we will see an Amiga resurgence – you only have to have seen the interest shown at the LIVE show."

With so many years spent behind him pushing the Amiga as the multimedia machine, is Thurston tantalised by the possibilities a Power PC Amiga might offer? "Absolutely," he replied, sounding more like an enthusiast than a businessman. "It always has been the perfect choice for multimedia." The next stage can only increase its potential.

DIGITA

Another company that's made itself into an Amiga institution, Digita have recently come up with the goods to make up most of the software in the Magic Packs. Asked for his reaction to the Power PC announcement , MD Jeremy Rhyll was fairly positive.

"Power PC is a logical step forward," he commented. "Like Apple, Amiga Technologies must move away from the 68000 chip family to gain a competitive price/performance ratio, and then they can successfully follow the Apple model. Provided we receive timely development systems, the tools and documentation, and the full support of Amiga Technologies, we will develop for it. Wordworth would be a logical place to start!"

Digita's Jeremy Rhyll: Future development will depend on Amiga Technologies' support

Digita, like many other companies with Amiga backgrounds, have diversified into the PC market, and their flagship product is actually the PC-based *Taxibility Pro*. However, Rhyll sees the coming year as a chance for a change of fortunes for the Amiga: "Yes, 1996 will be better. There will be better machines and, hopefully, a higher awareness that the Amiga is back in the UK. The launch of Wordworth 5 in January will inevitably help focus attention, but our other future plans... are largely dependent on the performance and support from Amiga Technologies."

RISC VERSUS PENTIUM

First things first, the Power PC chip has nothing to do with PC computers. Confusing, I know, but new PCs are based on Intels Pentium CISC processing. Now, Pentiums are fast, with the top of the range speeding along at 133 MHz. Our Technical Editor, Neil Mohr, estimates, however, that a Power PC RISC Amiga would be the equivalent of having a 200Mhz Pentium PC. Incidentally, the 604 Power PC chip will also be about 150 times faster than your basic A1200.

CALENDAR FOR THE COMEBACK

There have been rumours muttered both on and off the record that Escom were only interested in the Amiga in the short term and that they had no genuine plans to develop the technology.

"A rumour said that the Amiga is just a quick shot for the Christmas season and that the project would be dropped shortly afterwards," said Escom boss Manfred Schmitt recently. "This is most certainly a dream of the competition!"

Only the appearance of the promised products and developments will fully dispel the doubts, however. Here's what's in the pipeline:

Amiga Technologies

Product:	Release schedule	Description
Q-Drive	Jan 1996	Quad-speed IDE CD-ROM, £229
Amiga Internet Pack	Jan 1996	Modem and Net software 'plug and play' bundle
060 Board	1st Quarter 1996	Accelerator board for current range
A1200+	May 1996	030 40Mhz/ Coldfire upgrade A1200 with SIMM sockets
RISC Amiga	1st Quarter 1997	New high-end machine based on Power PC 604 chip
Black Box	?	Set top box sounding suspiciously similar to CD-TV concept

Other key releases

Phase 5 Power PC Board	Jan 1996	Power PC-based board for developers use with existing range, should be backward compatible with old software
Digita Wordworth 5	Jan 1996	Latest release for Amiga wordprocessor
Cloanto Personal Paint 7	Spring 1996	Paint Package
TurboCalc 4	Spring 1996	Spreadsheet
Optonica MME	Dec 1996	Multimedia presentation software

LAST DITCH FIGHT

The Amiga is now looking healthier than it has done in a long, long time. Few doubt that if Amiga Technologies can produce the promised products at a competitive price, we will have a range of computers to be reckoned with.

It is clear from speaking to the industry leaders, however, that there are huge challenges to be overcome. It is unclear as yet, for example, how much damage software incompatibility with the Magic Pack Amigas has had (see our news story). And communications with, and support for, software developers will also have to improve, although Amiga Technologies are already taking significant steps towards addressing this matter.

Certainly even those companies that have successfully diversified into the PC market would hate to see the demise of this legendary machine. It is to be hoped that 1996 will be just another chapter in the Amiga's on-going history, rather than a tragic ending to an extraordinary enterprise.

OPTONICA

Despite their long-term commitment to the Amiga multimedia field, Optonica never seem to have had anywhere near so much coverage as their rivals of Scandinavian origin. Those who only know them as developers of the Insight CD series or InfoNexus might therefore be surprised to hear of some of their recent multimedia triumphs in the corporate market.

Take, for example, their contribution to Britain's most popular national sport. They have already introduced huge video walls into Wolverhampton FC's football stadiums, and they're currently building similar projects at West Ham, Man City and Glasgow Rangers. All of them will be driven by Amigas when completed.

So are they more confident about the Amiga's prospect in the light of recent developments? "Yes, I think so," replied Optonica MD Lee Gibson. "Over the past 12 months we've been sitting on a lot of assets in terms of development because of the state of the market place. Now we want to give it a bit of a kick start."

DISAPPOINTED

They are not, however, completely impressed by Amiga Technologies' approach so far. "To be perfectly honest," said Gibson, "we've been a bit disappointed with what they've done. They've got the product back on the shelf, which was their first priority. But the way they've worked with the developers and the information that's got through to them, we've been very disappointed with that." Whether they will develop for the Power PC line, then, will very much depend on Amiga Technology improving its communication lines and a revival in the market's confidence. "It's really a suck it 'n' see type of scenario," he concluded.

Jargon box

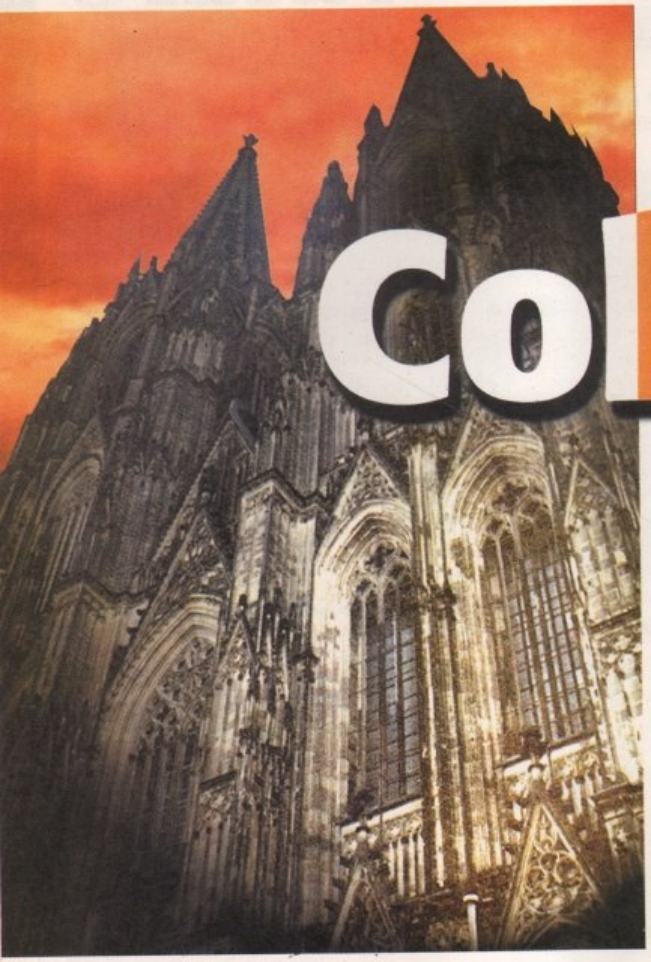
CISC – Complex Instruction Set Computing. To me, that means slower.

RISC – Reduced Instruction Set Computing. That is, lots faster than CISC.

MMOS – Scala's object-oriented multimedia operating system.

The **World of Amiga** show in Cologne has always been popular. It's back as Computer 95 and busier than ever. We sent **Ben Vost** to look around

Cologne carnival



Blimey! I've been to the Cologne show for the past five years (bar last year's show) and never thought I would see it as busy as it was when the A3000 was launched. But fighting my way through at least 20,000 people on a Saturday morning to get to the stands I wanted to visit put the lie to that idea. Attending the exhibitor's party the evening before probably wasn't all that good an idea as I was fighting a thumping headache in addition to the crowds, but when in Cologne...

If there was ever any doubt about the fact that the Cologne show is the most important Amiga event of the year, this show was guaranteed to dispel it. Although it is now a general computing exhibition, more than half the stands were Amiga-related, and although I only saw a few people wandering towards the exits arms laden with PC or Apple goodies, there were plenty lugging Amiga Magic packs or the new Amiga monitors around with them. If you are into 3D stuff, then there was a lot going on for you at the Cologne Show. Amiga Oberland were demonstrating a new version of Reflections which will finally be available in English in February '96 (they hope). Maxon were showing off their latest add-ons for Cinema 4D – namely a tree generator and fractal landscape generator, which both looked quite nice.

Andy Jones from Activa UK was there showing off his skills with Real 3D which will be entering a new revision shortly, and he was proud to announce a deal between Activa and AntiGravity Products (a name which will no doubt be familiar to all our Stateside readers) to distribute their products in Europe. This means you will no longer have to place a call to the States to get hold of Humanoid, Snap Maps or any of AntiGravity's other highly regarded products.

Also attending the show, representing the British contingent, were HiSoft, showing off their Squirrel Mpeg prototype which was getting a great deal of interest (especially as it was showing Star Trek 6 on an enormous Sony TV – guaranteed to draw a crowd!), and Digita, sharing the Macro Systems stand showing off a beta version of Wordworth 5 (which looks absolutely splendid, the screen update is phenomenally fast).

A typical scene at the end of a show day, knackered punters clutching their Amigas while they take a breather

> *"Maxon were showing off their latest add-ons for Cinema 4D – namely a tree generator and fractal landscape generator, which both looked quite nice"*

Gasteiner also had a stand offering their usual cut price bargains in the hard drive and memory department. The Cologne show is always popular with people in the know who are in the trade, so although they didn't have stands, there were representatives from Power Computing, GPSoft, Cloanto, and many other companies wandering around looking for new products to distribute or sell.

Video users were also well catered for with both Electronic Design and Hama present exhibiting their genlocks and PAL encoders to an eager audience, and for the higher end, the aforementioned MacroSystems stand was also replete with VLab Motion demonstration systems showing off the power of their £1000 non-linear editing solution. If you were in the market for broadcast quality output, however, your only choice was to visit MOM Computersysteme who were showing off their Broadcaster Elite machine which offers true broadcast quality output for a lot less than on platforms like the PC Mac or SGI.

But acceleration was where it was at at Computer 95. Micronik, MacroSystems,

GAMES

There wasn't much to get excited about on the games front. Although Electronic Arts and Microprose both had enormous stands, they were showing PC software for the most part, and there were even some stands showing off the admittedly brilliant Playstation and its range of titles. There were no Amiga-specific games companies there, which is a shame, but it seemed as though more people were interested in more serious pursuits than joystick waggling anyway.

Looks crowded huh? Well this is just the entrance hall, the show itself is much busier

THE DEVELOPERS CONFERENCE

Escom played host to a packed room filled with dealers and developers from around the world, all present to officially announce their intention to use the PowerPC chip again and to answer questions from the floor. On the top table with Petro Tyschtschenko and Gilles Bourdin were Manfred Schmitt, making a welcome appearance, Fred Fish, the father of Amiga PD libraries, Horst Brandl, the head honcho at ICP Verlag, publishers of Amiga Plus which was the official sponsor of the show, Johnathan Anderson, head of Amiga Technologies UK, and various other Amiga Technologies staff including Peter Kittel and Andreas Hohmann.

Dr. peter Kittel, head of OS development

We all listened as plans were outlined for next year. Most interesting of these was the fact that an updated A1200 (possibly called the A1200+) is in the works and due to be previewed at CeBit in Hannover in March next year. The A1200+ should be on sale by June/July and will be powered by Motorola's ColdFire or 68030 processor. It will have SIMM sockets on the motherboard which are user-accessible and should come with an internet software bundle. This bundle will also be available for any Amiga user and should be plug and play according to Petro Tyschtschenko.

Developers should be a little happier after the announcement that AT's first priority is to restart Commodore's developer support program, and they are going to concentrate on using on-line services like their ftp server to provide support. Mr Tyschtschenko said that people and companies who were registered developers with Commodore would have to re-register with AT because a) AT don't have a developer database and b) developers would need to sign AT non-disclosure agreements. Both Petro Tyschtschenko and Fred Fish reiterated the importance of public domain developers to the Amiga. If you are a non-commercial developer you can join up with AT's developer program for $100 a year – commercial developers have to pay $300 a year. This entitles the developer to access AT's ftp server and get advance copies of Workbench, special pricing on development systems, and so on.

In the Q&A session, one of the questions asked was about the lack of any marketing strategy, particularly for the UK market. Gilles Bourdin replied that there was very little budget for Amiga marketing this year and that people shouldn't confuse AT with Escom who are busy advertising their PCs left, right and centre. He also said that AT didn't want to make Commodore's mistake of pitching the Amiga solely at the games market and that serious thought had to be given to the sort of advertising campaign that they would eventually do.

Phase5, MLC (the creators of the Apollo cards and A600 accelerator), and M-TEC were all showing off speedier machines than the norm. Micronik had a joint accelerator and bridgeboard running a Pentium P75 on a single card, MacroSystems had their DEC Alpha co-processor board sitting in a Draco machine. This card isn't so much an accelerator as a co-processor. Programs have to be written specifically to take advantage of its massive computing power, and already there has been widespread demand in the 3D software company camp for development boards.

SPEED BOOST

Phase5's contribution to the speedfest was the new Blizzard 1260 board which saw an Amiga 1200 powered by a Motorola 68060 (look out for a review soon). But more importantly, they also had a prototype accelerator running a PowerPC604 chip. This chip is the next generation of Motorola's chip family and is incompatible with the 680x0 series. Phase5 are going to be supplying boards to developers in January so they can create programs that will run native under the PowerPC.

Why are they doing this? Well, Motorola aren't going to be making any further additions to the 680x0 line, so if you want a faster Amiga this will be the only way to jump. In addition, completely independently, Amiga Technologies announced the decision to make future Amigas based around the PowerPC chip at the recent VideoToaster Expo in America, and reiterated that commitment at the developers conference on the Saturday evening of the show.

The big news at the show – Phase 5's new Power PC accelerator

Cheap, cheap, cheap – this stand is selling an Amiga pack and monitor for around £470!

All in all, the Cologne show was the best proof for a jaded journalist that the Amiga was still a viable concern, and seeing all the new products available from stands the show wide helped to reinforce that opinion. The Cologne show really is the best Amiga show in the world and I strongly encourage more English Amiga developers to take stands there next year.

The language barrier isn't a big problem, most German Amiga users know how to speak at least a little English, and the effort is really worthwhile. And I know it can be a bit expensive for Amiga users to go all the way to Germany just for an Amiga show, but it really is the best there is and flights and hotels don't have to be that expensive. Hopefully, Escom will try to duplicate their efforts in Cologne with a similarly sized endeavour in the UK so that you don't have to traipse halfway across Europe in order to buy your favourite machine.

Jargon box

ColdFire – Motorola's hybrid RISC processor. It understands the 68040 instruction set, but runs as a RISC processor. It should be about as fast as an 040 for 030 prices.

TIMELINE

Dec 95	QDrive CD-ROM drive available
Jan 96	Internet bundle for all Amigas
March 96	Preview of A1200+ at CeBit
1st qtr 96	060 A4000T available
June/July 96	A1200+ on sale
3rd qtr 96	Set top box on sale
1st qtr 97	PowerAmiga on sale

OTHER MACHINES

There were several stands devoted to other computing platforms at Computer 95. Without exception they were all less busy than the Amiga Technologies stand – the IBM stand running a continuous demonstration of OS/2 having particularly poor attendance (perhaps due to the fact that the real star of the show has been multitasking for years).

Oddly, although there were plenty of PC products for sale and being demonstrated, there was no huge Microsoft stand. Perhaps Bill Gates and co. realised the futility of trying to brag about Windows 95. Apple had a huge stand with machines surrounding an inner sanctum where deals were no doubt being done, and Acorn had an open lattice work affair filled with machines performing some quite impressive tasks, but few people watching them.

One of the constant criticisms directed at Commodore, the former owners of the Amiga, was the fact that there were all these funky things like networking and CD-ROM support available on other machines, and none at all for the Amiga except through third-party software. The situation has worsened over time until, at this point, Workbench seems incredibly under-powered compared to the offerings for the PC and Macintosh. And it is.

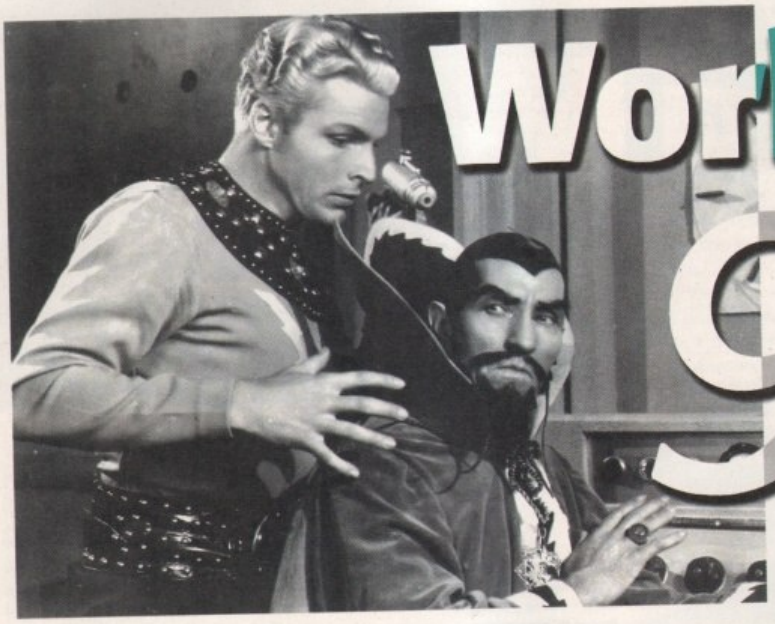
Amiga Technologies are going to have to do an awful lot of work in a very short time in order to bring the Amiga back into the forefront of computer/human interface technology. The progress that needs to be made is difficult, cross-linked with other parts of the Amiga that need improving, but it must be achieved. In this respect, I humbly submit some of my suggestions, as a user of Windows (and Windows 95), the Macintosh System 7.5, and Workbench, for the improvement of future releases of Workbench.

There are further considerations than just taking account of software. The Amiga's hardware is currently a bit of a bodge, too. Floppy drives that will only read high density disks at half speed and that click incessantly, stupid screen modes that no-one will ever use, an IDE interface as standard, a memory subsystem that is fatally flawed on the Amiga 4000 and limited to a laughable, by today's standards, 16Mb RAM, no real-time clock on the A1200, and so on.

POWER PC

A future Workbench can only survive on new and updated hardware, and Escom have announced that they plan to use the PowerPC family of processors in future machines, but right now work needs to be done for the 680x0 family, which Escom will still be using until at least next Christmas. So, what should we expect from an entry level machine?

In my opinion, I think a machine with a 68030 running at at least 25MHz, but preferably 50MHz, would be cheap enough to exist as a beginner's machine. It would need to be furnished with an MMU as standard, but it could have a user-accessible socket for an FPU chip which could be pre-fitted on a 'deluxe' version of the machine. There is no question that the Amiga would have to come with a reasonably sized SCSI hard drive as standard – 250Mb would be plenty to start with – and I think that a 4Mb memory machine would also be a good start, preferably in a user-accessible SIMM socket in the machine itself. Since the improvements required to make the Amiga great again are multi-facetted, I'm going to separate them into different categories and will list all the sources for inspiration for each improvement in brackets after the suggestion.



Workbench 96?

Ben Vost gazes into his crystal ball and comes up with a plan for an updated **Workbench** to blast all other operating systems out of the water

SOFTWARE

WORKBENCH IMPROVEMENTS

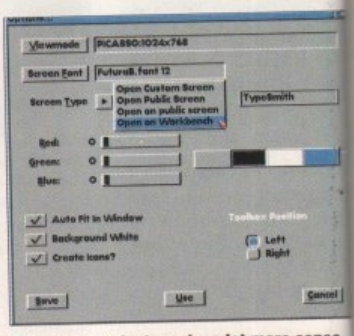
The most important thing to be done is to make Workbench complete. Don't offer cut-down versions with particular machines, give everyone everything. Offer the operating system on a CD, if possible, so that Workbench installation is as painless as possible. The installation process should be intelligent, and check for system hardware before installing high-end facilities in a low-end system.

INTERNAL

■ Make WB properly multi-tasking. At the moment you can't copy a file using WB and still do anything else. For copy (or multiple file deletion) operations, a progress bar with a cancel button should be added to Workbench which gives the names of the files as they are copied (or deleted). (System 7, Windows 95)

■ Make sure that some system of RTG is included in WB (probably CyberGFX). Ditch all the stupid screenmodes that no-one uses like Super HiRes and incorporate a pseudo 24-bit emulation whereby WB dithers down any image to match the screen colour resolution automatically. (System 7, EGS)

■ Replace cycle gadgets with pop-up menus. (Cycle2Menu, TypeSmith)



Pop-up gadgets make a lot more sense than cycle gadgets, particularly when there are a lot of options

AsimCDFS's audio player could do with being font-sensitive and a bit smaller, but it's better than nothing

■ Make CD-ROM an integral part of Workbench (including the ability to boot from CDs) and include an audio CD player and, possibly, a PhotoCD viewer. (AsimCDFS 3)

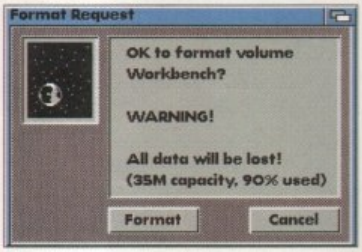
■ Copy and Paste ought to be systemwide and in interfaces, not just fields or text files, so that you could clip the name of a program, an icon, a picture, a sound sample and so on and then paste them wherever appropriate. There should also be a scrapbook program like the Macintoshes where you can keep clips when you reboot the machine. (System7)

■ Add a tcp/ip stack to Workbench (to encourage networking as standard) (System7)

■ Make file notification systemwide so that if you copy files into the RAM disk in a file manager, an open RAM window on workbench should reflect the change, etc.

■ Cut out all the bitmap fonts and CG Fonts and go for systemwide Postscript or True Type. This will cut down font reduplication and frustration caused by not having the right font in the right format. There is already an ATM-type type1 manager for the Amiga available as shareware.

■ Make system requesters respond to return and Esc for OK and cancel respectively (and initial letters in case of more than two



Hitting Return will activate the Format button and Escape will cancel the requester

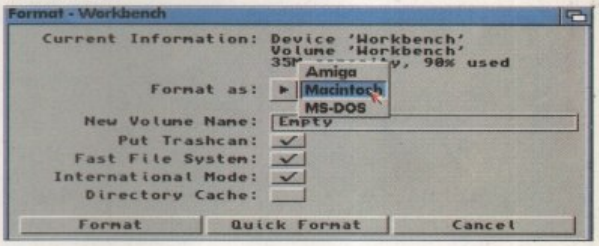
choices). (ARQ) If the Amiga is supposed to be such a multimedia machine, then some sort of system support for animation should be taken for granted. A chunky pixel format screen is far better suited to the playback of colourful animations than the Amiga's bitplane approach, which only really shines when there are fewer than 16 colours on screen. If a 68030 base machine is a possibility, then the pussyfooting around should stop and serious work done on improving the performance of WB in this field. It has only been held back at the present time by the large proportion of 68000-based machines in the marketplace.

Now that there are more A1200s out there, people are trying things which tax the system more, but even more could be achieved with an even more powerful entry level machine. There could also be libraries for 3D graphics, sound, and picture manipulation that would work systemwide. If this was the case, newer versions of these libraries could be supplied as they were improved. This would mean even less reinvention of the wheel and more system-friendly games.

■ Add support for 24-bit printer output and rewrite the printer drivers that Workbench offers. (Consider incorporating Wolf Faust's Studio system)

■ Incorporate CrossDos and CrossMac into Workbench and change the way disk icons are shown. From now on, there should only ever be one icon for a floppy disk on Workbench, and the Format requester should have a pop-up gadget so that the user can choose whether to format a disk as AmigaDOS, MS-DOS or Macintosh compatible. (MultiFileSystem)

Perhaps a future format requester might look something like this? It should, of course, be completely font-sensitive and not this mix of fonts

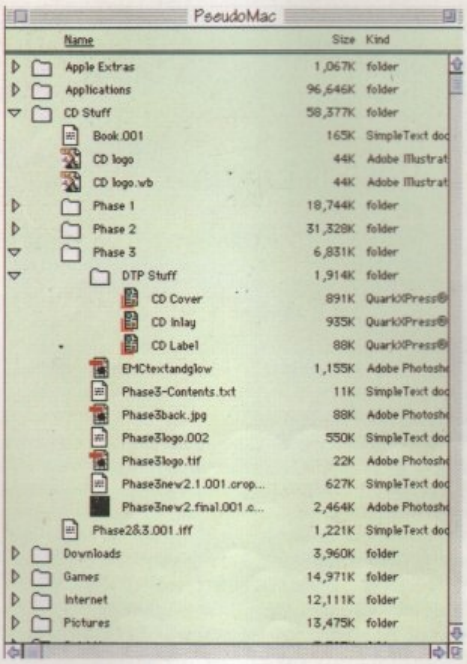


MENU

■ Incorporate the drag and drop facilities offered by SwazInfo into the standard WB Information requester. (SwazInfo)

■ Change the way the 'View By Name' item works in the Windows menu on WB. Rather than having the sort functions in the menu, make it so that users can just click on the headings across the top of the window to change the way items are sorted, and implement a Macintosh-style list where drawers can be opened inside the same window rather than opening a new one. (This is pretty difficult to explain, but if you have ever used a Macintosh, Windows 95, or the MUI Web Browsers you will know what I mean.

See the picture, it's pretty much self-explanatory). (System7, MUI 3)



The way the Mac shows directory windows by name is highly efficient. Notice that folder sizes can be automatically calculated and that the list is sorted according to the heading that is underlined. You can change the sorting by clicking on a different heading

> *"If the Amiga is supposed to be such a multimedia machine, then some sort of system support for animation should be taken for granted"*

ICONS

■ Maintain the snapshotting of the RAM disk icon transparent (it could be put into envarc: as default_ram.info).

■ Consider incorporating a program's icon into the body of the file, rather than having a separate .info file. This would reduce confusion and speed certain operations up. (System7)

SHELL

■ Institute * as the default wildcard character instead of #?. (MS-DOS)

FACILITIES

■ Create an ARexx interface for Workbench itself, possibly with a macro recorder to make systemwide repetitive actions more simple (QuicKeys)

■ Ensure that the system file requester offers the options of creating new directories, deleting files and renaming them. (MFR)

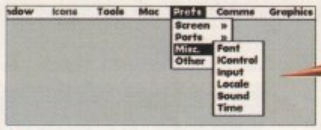
Magic File Requester shows the way the ASL file requester should have been made with menu items to rename and delete files

■ Create a systemwide trashcan that sits on the Workbench rather than having a trashcan for each individual disk (System7)

■ Add a system tools menu. (System7, ToolsDaemon)

■ Add a systemwide titlebar clock (TitleClock)

■ Stop people fiddling around with the Shell so much and add a GUI for the editing of the user-startup so that people don't have to type in instructions they may not feel comfortable with (assignprefs)



ToolsDaemon allows you to add as many new menus to Workbench as space will allow

■ Increase the amount of options for disabled people, including changing the mouse buttons over for left-handed users and a built-in magnifying glass. The options to change font style and size are splendid and are not offered by many other operating systems

■ Include some kind of system manager in WB so that programs which have failed can have their processes, screens, and windows shut down (and memory freed if possible). This should be an automatic process, but there should be a user interface for expert users.

■ Extend exchanges abilities (more like the MUI Exchange).

■ Extend GadTools to allow user definable/selectable gadget outlines.

■ Add a screengrab function systemwide that will deal with any screentype (especially handy for us journos). (System7)

MULTIVIEW

■ Add a new drawer in DEVS: for added tools to use in Multiview, like video or sound digitisers. If Multiview is made into an UrApp (the basis for other applications) then it can be built up into a powerful multimedia tool.

■ Change the sound datatype for Multiview so that it includes a scalable view of the sample and the ability to position the cursor anywhere in the sample and add playback gadgets like any normal sample player.

■ Change Multiview so that not only can datatyped files be saved as their IFF equivalents, but also as any other format. Incorporate copy and paste in Multiview.

■ Make Multiview HTML compatible with appropriate navigation tools (this would also mean adding the ability to have inlined images in a Multiview document) with a view to replacing AmigaGuide with HTML. Change the way datatypes work so that they too no longer rely on there being Chip RAM to play with.

■ Also make them resolution and colour independent so that people with 24-bit displays won't need to use a different file viewer.

This will require a systemwide dithering tool which should be extremely fast and available to any program that requires it. This will also increase the memory overhead for machine operation so it should not be available on machines with low RAM. (These machines should not be allowed to use 24-bit displays at all)

HARDWARE

MACHINE FEATURES

■ Incorporate the PCI bus into future Amigas in preparation for a complete changeover to PCI in future machines.

■ Add user-accessible SIMM sockets to **all** machines and make sure they can take a wider variety of SIMMs than current machines. If possible, allow mixing and matching of memory types (i.e. a mix of 1Mb and 4Mb SIMMs in one machine)

■ Consider ditching the Amiga's custom chipset and going for emulation of it in a modular VGA-type system which can be painlessly upgraded to offer better features such as 24-bit screens, 3D graphics manipulation and faster window updates

■ Add an internal speaker which can be controlled from a sound preferences program to make sure that any Amiga can have sound of some sort with any monitor.

■ Return to a hardware flicker fixer (if necessary) to ensure compatibility with all monitor types

KICKSTART

■ Incorporate features like filename completion and a scrollback history into kickstart so that the shell may have them even when started with no startup-sequence or user-startup.

■ Extend the Early Boot screen to include WBStartup programs and device drivers, so that they may be disabled where necessary, and, at the very least, allow a mouse button or key press to disable the WBStartup drawer without having to rename it.

■ Make sure the Amiga can be booted from a CD.

■ If Kickstart can be put onto a flash ROM it could be updated through software, saving the material cost and effort of having to send out new ROMs each time Workbench hits a major revision.

CONCLUSIONS

As I said in the intro, Amiga Technologies have their work cut out for them. But Apple have managed the transfer to the PowerPC chip admirably, if not fully efficiently. All the things that made the Amiga great even as recently as five years ago are increasingly liabilities and things like the custom chipset and Workbench are woefully out of date.

Amiga Technologies have restarted the developer support program that was one of Commodore's best features and are actively recruiting developers that have moved to other platforms, or who have never programmed for the Amiga to come onto their new platform, so, with luck, the software situation should improve dramatically – but it needs to get better in the right way.

One of the biggest problems facing Amiga Technologies is the fact that the Amiga is in almost as bad a position PR-wise as Skoda and Lada are in the motor car industry. People with experience of computer platforms other than the Amiga look down on our machine as a games computer, an impression cultivated in this country by Commodore circa Steve Franklin. A sea change has been long overdue, and can only be resolved with a long-term publicity drive.

Like Skoda, the Amiga is now seen as the cheap end of the market, with nothing going for it other than its price. The fact that you don't have to buy a monitor or hard drive for it is not an advantage; people will happily buy a monitor and a hard drive when they upgrade to a PC (a serious computer). But the PC won't be the competition for the Amiga in the next few years, it will be the Mac. With Apple agreeing licensing deals with companies all over the world, the Mac is the ideal replacement for the Amiga, much more so than the PC, but is not well-known enough yet.

As a dedicated Amiga owner who has spent a great deal of time, effort, and money on his computer system, I wish Amiga Technologies all the best and hope that at least some of my suggestions will be implemented for what I believe would be a world-beating Workbench.

Investing in AMIGA(TM)

AMIGA A1200

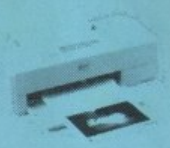
Magic Pack from £399.99

AMIGA A4000T

Phone for latest details

EPSON

We are Authorised EPSON dealers. Talk to us about ink-jets,



BABT approved fax modems from just £115.00

AMIGA M1438S

NEW! AMIGA monitor £299.99

EPSON lasers

Treat your AMIGA to a Soundbox - only £69.95

Tired? How about a mouse mat and wrist rest? Just £14.95

and EPSON scanners.

SCSI tower with CD Drive only £199.99

...and that's not all. We have Hard drives, CD drives, High density floppy drives, gravel drives, SyQuest drives. We have the fantastic Panasonic PD system, formatted to the correct AMIGA standard. We have SCSI towers from only £89.95 delivered. We have most good CD ROM disks in stock. We have a carefully chosen selection of serious software in stock.

In short, if it's for the AMIGA, and it's good, you can buy it from us.

Remember, the FourSquare sign is your guarantee of a FourSquare Deal.

So come and see us or use our Mail Order Service. Either way, the service is second to none.

Please note our NEW address

Brian Fowler Computers Ltd
90 South Street
Exeter
Devon EX1 1EN

Phone us on (01392) 499 755
Fax us on (01392) 493 393
brian_fowler@cix.compulink.co.uk
Compuserve 100072,1536

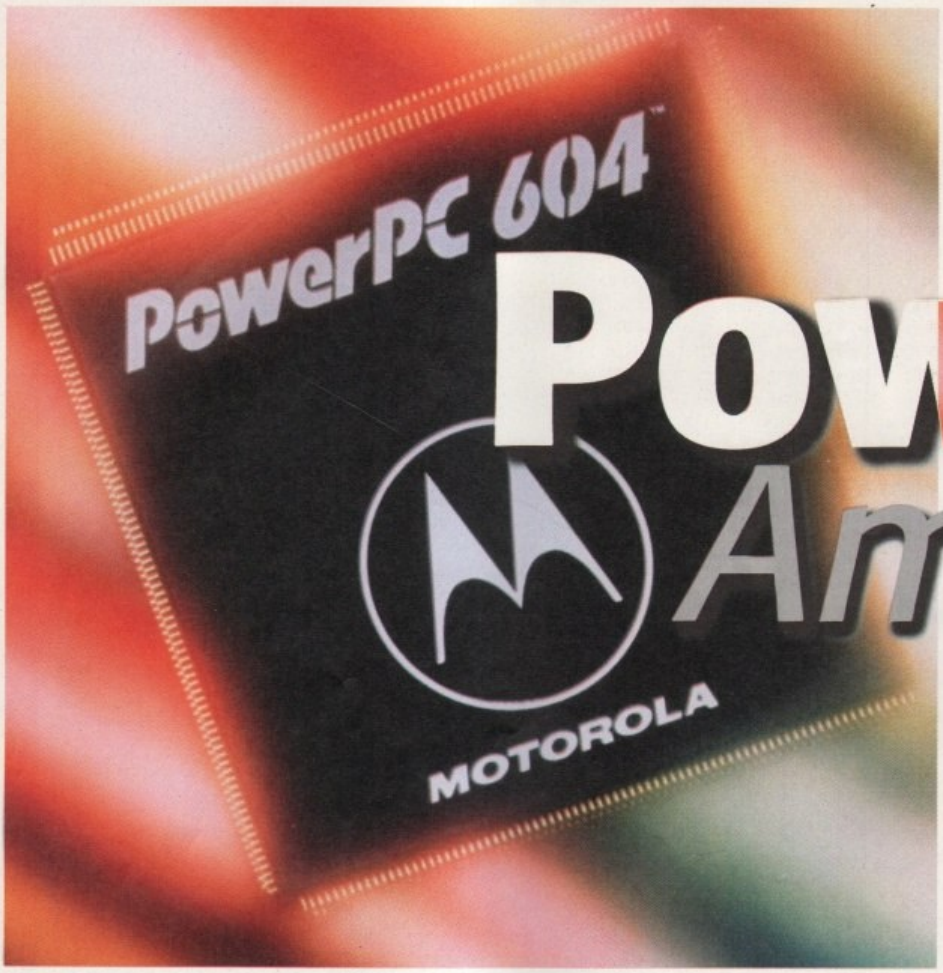
(We have a lot more planned for the coming months... stay tuned!)

bfcl0035

Brian Fowler Computers Ltd

(01392) 499 755

AMERICAN EXPRESS Cards Welcome · SWITCH · MasterCard · VISA · Access



Power Amiga

Amiga Technologies have announced **the future** of Amiga Computing, and that future is the **PowerPC.** Neil Mohr checks out the MPC604 processor

On the 2 November at the Toaster Expo, Amiga Technologies announced that the processor to be used by the next range of Amiga computers will be the PowerPC MPC604 processor. For most people the fact that new Amigas will be powered by a PowerPC processor was no real surprise, the choice of the MPC604, however, was a little surprising.

Released just before the end of 1994, the MPC604 is a new processor design, and running at a 100Mhz delivers over ten times the processing power of an A4000/040. This sort of power will give a Silicon Graphics Indigo 2 a run for its money.

RISC design is the key to the MPC604 speed, a simplified instruction set allows engineers to optimise the processor design and therefore get instruction processed in the minimum amount of time. With the CPU split into separate processing sections, the MPC604 is capable of executing multiple instructions simultaneously, in fact up to six separate instructions can be dispatched and executed in one clock cycle.

With three integer units, a floating point unit capable of executing a double precision instruction in a single clock cycle, and an advanced dynamic branch prediction unit along with a load/store unit, the 604 packs a lot into a single chip.

All these sections work independently from one another, with the load/store unit helping to co-ordinate instructions run out of sequence, buffering early results and instructions until they are ready to be moved into registers.

The 604 comes with two 16Kb caches for instructions and data. This is eight times larger than the 040's copy back cache and allows the processor much quicker access to recently used data and instruction, therefore giving a considerable speed advantage.

They also allow what is known as cache 'snooping.' As the 604 is designed to be used in multi-processor systems, data in each of the processors must be kept coherent, otherwise you would get errors cropping up in results, and when errors occur your looking at a system crash.

There has been no word from Amiga Technologies whether any future Amiga

Jargon box

The one little problem when it comes to computers is the huge number of brain numbingly complex terms that get thrown about. The prolific ability of c omputer engineers to invent and give birth to new words and acronyms can have even the most hardened techy's faces glazing over in confusion and bewilderment.

If you are having problems understanding what some of the terms and acronyms mean, here is a short description of some of the more important ones.

RISC – an acronym that stands for Reduced Instruction Set Computer. A processor that can be described as being RISC has been designed with the goal of minimising the time it takes for instructions to be executed, typically one clock cycle. This allows the processors execution path to be aggressively optimised.

CISC – Complex Instruction Set Computer. This describes a processor which has been designed to put as much flexibility in the instruction set, so a large number of instructions are available. CISC instructions can take many clock cycles to execute ,as opposed to RISC instructions.

Pipeline – conventional processors can only execute a single instruction at a time. During this time the processor has to work out what the instruction is, what it is doing, and what it is doing it to, before the instruction can be executed.

One of the first things introduced into RISC design was pipelining. A basic pipeline acts as a simple buffer, prefetching instructions for the processor, so when the processor wants another instruction it can get it instantly.

More complex pipelines actually decode and process instructions. Therefore, instead of just having a single instruction being worked on by the processor, this pipelining actually lets you have a number of instructions being processed.

This splits the processing of instructions into sections, helping to greatly increase the speed of RISC processors – therefore a number of instructions can be worked on with the minimum of delay.

SuperScalar – a SuperScalar processor has been designed with more than one pipeline. This allows it to process instructions in parallel, or at the same time. This is not the same as a pipeline, as a SuperScalar processor can have many pipelines processing at the same time.

The MPC601 has three pipelines, an integer unit, a floating point unit, and a branch unit so it can execute up to three instruction at the same time, while the 604 has six pipelines allowing six instructions to be executed simultaneously.

> *"Currently, Amiga Technologies are understandably hesitant about commenting on what a future RISC Amiga will be like"*

will be multi-processor. Such a system would have huge advantages over current systems, and considering that the P6 will have been out for a while by 1997, having a multi-processor design would allow the Amiga to stay ahead of the pack.

Currently, Amiga Technologies are understandably hesitant about commenting on what a future RISC Amiga will be like – their announcement at the Toaster Expo simply stating that we will see a Power Amiga in the first quarter of 1997. This will be a high-end system with a new version of AmigaDOS that should finally see network and memory management added as standard.

System variance

You should then expect to see entry and mid range systems appear after this initial launch. It even looks like the low-end systems will be 604 equipped. I did have a few reservations about this because the 604 is still a little expensive and the 601 or 603 may have been used instead, as these are completely compatible with the 604 and still provide Pentium trouncing power but at a lower price. It does seem, however, that the 604 could be used throughout the range, because a larger volume could be bought, and therefore reduce the overall price.

In conjunction with Phase 5, a PowerPC board is also planned for late 1996, which will plug into your A4000/3000 and an A1200 version is planned as well, letting you get early access to all this power at an early stage. A big advantage of doing this is that it will allow developers to get into gear and produce native PowerPC versions of their programs.

In fact, it appears that a developers-only board could be ready as soon as the end of January, along with a cross compiler. This would allow developers to start porting their programs and produce new ones in readiness for the release of the PowerPC accelerator board, and when the new Power Amiga finally arrives, there should be a good selection of native utilities and games ready and waiting for the buying public.

It looks like 1996 could see the Amiga catapulted into the fast lane, and finally being able to take on top-of-the-range Pentiums head to head for raw processing power. Just imagine Workbench, which currently runs very nicely on your old A1200, having access to a PowerPC. My conservative estimates put a PowerPC-driven A4000 to be running around 12 times as fast. Your humble A1200 could scorch along at 140 times the speed, and for you poor old A2000 owners, how does running Imagine at around 300 times the processing power sound?

How the MPC604 lines up

Processor	Clk	SPECint92	SPECfp92
MCP 601	80	80	105
	100	110	130
MCP 603	80	75	85
	100	120	105
MPC604	100	160	165
	133	200	200
Pentium	100	100	80
68040	25	12	10
PA-7200	120	168	270
R4400	250	176	165
SGI Onyx	200	142	143
Alpha	233	177	215

Jargon box

IU - Integer unit. This executes any instructions that are not floating point or branch instructions.

FPU - the Floating Point Unit, executes floating point instructions. These are instructions that can deal with fractional or very large numbers that come in this special floating point form.

BPU - Branch Prediction Unit. By handling branch instructions separately the processor tries to predict whether a branch in the program will occur or not. If it gets the guess right another speed increase is gained. If it get the guess wrong then nothing is actually lost – processing would be the same as having no BPU.

MMU - a Memory Management Unit is found on full versions of the 030, 040 and 060 processors. An MMU allows the operating system to have functions such as virtual memory, memory protection, and resource tracking. Workbench 4 here we come!

Cache - a small amount of memory in the processor that can be accessed very quickly. Data and instructions that are stored in cache are accessed considerably quicker than if they are stored in main memory. Try turning your A1200's instruction cache off and you will see the difference a cache can make. The larger the cache the greater the speed increase.

PReP - PowerPC Reference Platform is a system standard dreamed up by IBM. Basically it states what hardware should be on every PowerPC computer, allowing PReP boxes to run the same software. Apple did not like it so...

(C)HRP - the Common Hardware Reference Platform was invented and Apple like it. CHRP is based on PReP and defines a number of hardware standards PowerPC-based machines should have. Any CHRP software will run on any CHRP machine. Currently, it is not clear whether a Power Amiga will be a CHRP machine or not. If it were you would be able to directly run MacOS or any other CHRP OS such as Windows NT and UNIX.

Power PC history

Back in the middle of 1991 IBM, Motorola and Apple got together to decide on a new processor architecture that would be used to power future desktop computer systems.

Each company had their own motivations – IBM wanted a new processor line to replace their ageing POWER multiprocessor system, which is used in their desktop machines; Apple was looking for a RISC processor they could use to replace the terminated 680x0 line; and Motorola needed a new mass market processor line. With the end of their 680x0 line, and the fact that Apple were not looking interested in their 88000 RISC, they decided to take the chance and jump in with IBM and Apple in producing the new PowerPC chips.

So in July 1991 the PowerPC processor architecture was revealed. As IBM wanted to keep compatibility with their range of current desktop, the instruction set was based on a cut-down version of their POWER architecture, with 38 instructions dropped to cut the cost of design and production.

With PowerPC processors lined up to appear in everything from laptops to mainframes, the initial design goals called for a range of processors that could accommodate the different parts of the market.

Releases

The first PowerPC processor to be released was the MPC601 back in 1993. Aimed for mid-range computers, the 601 provided Pentium power at around half the price. These were quickly snapped up by Apple for use in their first range of PowerPC-powered Macs.

Towards the end of 1994 the MPC603 became available. Sporting a new caching system and an improved fabrication, the 603 provided a slightly improved performance over the original 601, but with tiny power consumption. This was perfect for use in those PowerBooks that Apple users love so much.

The MPC604 quickly followed, just sneaking out before the end of 1994. With new pipelining, an improved superscalar design, larger cache, and higher clock rates, the 604 provides a large improvement over the previous PowerPC processors.

There is a fourth design being worked on by IBM called the 620. This is meant to be a top-of-the-range Alpha crushing design, aimed squarely at the high-end and mainframe community. Unfortunately, the current benchmarks being released by IBM are not too encouraging, placing the 620 firmly at the bottom of the mainframe league, and only slightly ahead of its younger brother the 604. Rumours are circulating that IBM might not even bother using it in their systems. Perhaps a radical crank in processor speed will see the 620 back in contention.

Hottest 1, 2, 3 & 6 Set

CODE: CD240 **PRICE: £29.99**

More than 2,400Mb of Software from PDSoft's main library.

The Public Domain and shareware software on this disc dates from **Jan 1988** to **Dec 1995**. That's our first 3 cdrom disks (not released before) and our latest release for less than a commercial game would cost.

All the disks have been packed with DMS to retain the original disk format and contents and it comes complete with an easy to use menu system.

The CD's Contain some of the best and most original Amiga Demos, Games etc you will ever see. I have selected a few for you to take a look at and they are as follows:-

A sample of what's on Hottest 1

* Aceiced! [Sonix House]
* Stark & The X-Men
* Tech Tech [Sedna]
* Listern to the Future
* Force 242 Music
* Robbed Beats [RSI]
* Walker Anim [1Mb]
* Walker Anim II [1Mb]
* Psychodoll [Reverse]
* Exodus Jumping Tiger
* Nasa Graphics* Frog Animation
* Star Trek Animation
* The Dolle Demo'
* Deadly Jammin II
* It Came from Desert
* Kylie Mincgue
* Freddy Krugar Sample
* Crusaders Freekd Out!
* Operation Thunderbolt
* Sonic Tracker Jukes
* The Jugler Animation
* Crusaders Experiment
* Dragster Car Anims
* Sonics Extravaganza
* Frantic Freddy
* Mental Hangover
* Ese Sings Castle
* Pugs in Space Anim
* Tyvian Tumb Mega
* Badge Killer Contest
* Tis Wheres The Base
* 'Crockett's Theme
* Vocal Attack
* Cronics 'Neverwhere'
* Evil Dead II
* Clothes Pegs Anims
* Space Shuttl Anims
* Huey Animation
* Viz Slideshow
* The C64 Picture Show
* Club Mix (Beatmaster)
* House Samples I
* House Samples II
* House Samples III
* The Baldance Remix
* All New Star Trek
* D-Mob Music 4
* Basketball Animation
* Chip Music Festival.
* The Knight Anim
* Fashionating
* Software of Sweden
* Silent Mega Demo II
* Newtek Demo Real
* Probe Animation
* Luxo Teenager Anim
* CBM 64 Music
* Tekkamander Collect
* Quiet Riot Helloween
* Sword of Sodan
* Middle East Mania
* Plasma Force Acid
* Fiendish Freddys
* Horror Show Anims
* Baldance Sounds
* Joe of Scoopz Pics
* Forgotten Realms
* CBM A500 Official
* Cool Cougar Anims
* Newtek Demo Real III
* Dual Crew
* X-Copy [Silents]
* Fraxxion Horror
* Vocal Attack II
* Get It up
* Run Anim Sculpt 3d
* Divine Visions Pics
* Zeus Animation
* Miami Vice Theme
* 100 Original C64
* Patrol Boat Anims
* Rebels Cardyford
* PMC Fractal Anims
* Bee Animation
* Aliens Mega Sample
* Christmas Music
* Total Restyle
* Total Recount
* Heytrin
* Station at Rhern
* Tech Mix II
* House Samples II
* 808 State Remixes
* Magnetic Beats III
* Banging Raves (1st)
* 1990'Best Demos!
* Thanet Soundtracker
* Asteroids Animation

A sample of what's on Hottest 2

* Budbrain II
* Medley Relation
* Fantasy Space [!]
* Lost In Space [2MB]
* Agatron Animations
* Walker Demo [2MB]
* Total Recall
* Blues Brothers
* Spherical Terrains
* 900 Mix [Oxygen]
* Voices of Energy
* Ultimate Star Trek
* Star Trekkin
* Walker Demo II
* Mars Animation
* Best of Ral Vol.1
* Red Dwarf Slides
* Star Trek American
* Play With Madness
* Zoom [Fluction]
* Crusaders Sheet
* Spaced Out Vol. II
* Anti Lemming Anims
* Harmonium Jeff Minner
* 1500 Upgrade Anim
* Cosse [!] Road Test
* Shuttle Cock Anim
* KLF 3am External
* Trek by Shining 4
* Music Dream 2
* Crystal Symphonies
* Encyca Music Vol.1
* Thing By The Rebels
* Ray of Hope II
* Guardian Dragon
* Sleepin Bag (Horizon)
* A mazing Tunes II
* S.S.A. VS IRAQ
* Juggler II Anim 2Mb
* At The Movies (2MB)
* The Wall (Reforms)
* Nightmare Slideshow
* Star Trek [T:N:G]
* Musical Massacre
* Unlimited Bobs
* Sweet [Crusaders]
* Merchlight
* Coyote Strikes Back
* Hot Wired Crusaders
* 2nd [Scooper]
* Vocal Attack III
* Silents Blues House
* Spaced Out Vol.1
* Enigma Phenomena
* I Love Technology
* 3 Player Tetris
* Newtek Digiview
* Dating Game Anim
* Ice By Silents
* Squamsbe
* Super Twistris
* Terminal Anims
* The Equalizer
* Jumping Jackson
* Melted Experience
* Trackin on
* Air Warrior
* Devils 'No Reality'
* Subliminal Vision

A sample of what's on Hottest 3

* Agility Anim
* Marble Slide
* Jeopardy (Risk!)
* Sea Lance Game
* Xenomorph
* Star Deck Music
* Xenon III
* Automated Light Anim
* Landing Sequence
* 1000 Wasted Dreams
* Death by Stereo
* Fractale Mountains
* Skiknorth
* The Chips are Up
* Battle of Britain [WB]
* Grapevine [LSD]
* Unknown Territory
* The Beast Simulator
* Strategic Bases
* Star Trek: Tng Trivia
* Cult T.V Episodes VI
* Odyssey by Mistral
* Hardwired [Cronics]
* Backgammon
* Subattack v1.0
* Creep Show II
* Tea Pot Anim
* Mega Demo III [Exit]
* Amy at The Movies II
* Mutant Camels
* Botngs Anim
* Watermines
* Skin Egg Anim
* Camouflage Anim
* Skanks & Hunks
* Amos Coindrop
* Batman & Vtol Anims
* Amywalks & Amyjogs
* Galactic92
* Descender
* Catacombs Adventure
* Legend of Lothian
* Star Trek E.Gustafson
* Gathering [2 Anims
* Golden Oldies 2
* Golden Oldies 3
* Get Frogged [Decay]
* Clash of the Empires
* Unleashed Fury!
* Its time to Play
* Turbo Thrust
* Speed Limit
* Star Trek Themes
* Baldera Grove
* Sickness Simulator
* Jetman v1.1
* Vietnam Conflict
* Ibb 'Mangad!'
* Sonic Boom - Jester
* Star Trek Demo
* Wizard Domain
* Learn in Space
* Knight Moves
* Buzzed
* Astronomy Slides
* Gulf War Conflict
* Amos Multi Paint
* Ethos Game [WB]
* Dungeon of Nadrog
* Play 3d v2.0 Swap
* Trackmo [Redmex]
* Napoleonic War Sim 5
* Mind Games
* Sword of the Warlock
* Royal Bouldersdash
* Seeing is Believing
* Black Jack Lab
* Card Sharp
* Diplomancy II
* Phenomena Dimensi
* My Tin Toy Anim
* 64 Tunes Again
* Anny vs Walker 2
* Manic Raves II
* Rodent Anim
* A Day at the Beach
* Total War
* Potato Head Circus
* Golden Oldies
* Amy History
* How to Run by ES
* Unsporting Anim
* Amos Fruit Machine
* Intruder [Berserk]
* Clash of Empires
* Star Trek J.Bar
* Sounds of Silence
* Spring Melodies
* Dr Mario
* Time Zone [Tral]
* Xpose [TSL]
* Art of War
* Reflex [Liquid]
* Mega Ball 2 + Editor
* Lemmins Revenge
* Jesus on Es
* Bomb Jacky
* Lethal Exit [Digital].

Please add .75p for each title ordered towards postage and packing.

Hottest 6

CODE: CD200 **PRICE: £14.99**

More than 400Mb of brand new programs and over 750 new floppy disks.

The latest Public Domain and shareware software from March 1995 to December 1995.

What's New on Hottest 6
This is the latest in our series NOW Famous CDROM Series which now comes complete with an easy to use menu system. The Menu is very easy to use point and click operation with a GUI Graphical interface to Perform the Uncompaction of the cdrom for you (DMS or LHA supported).

* ***MENU SYSTEM*** - Our new custom written menu system will do the work for you

README - Displays the README.TXT file in the text box use the scroller bar on the right side of the text to move the text up and down.

HELP ME - This bottom will display our helpful advice Document.

DMS - You can click on the DMS button to unpack the selected program to a floppy disk (the disk would be as if you ordered it directly from us).

LHA - You can click on the LHA button to unpack to where you want (uses our excellent GUI Interface).

SHOW - Click on the SHOW IMAGE button when the option is given to display GIF, IFF etc picture files. (See Images in Spare section, POV RAY and Fractal sections).

PRINT/SAVE TEXT - This Button will print the current text box to your printer or save it to a asc-ii text file.

This gives you the option to install any of the disks at a press of the mouse button. Its the easiest menu system to date and the most up-to-date CDROM you can buy!.

300 New Utility disks

* Sounds
* Pictures
* Fonts
* Graphics
* Utilities
* Virus
* Emulator's
* Fractals
* Printing
* Business
* Prediction
* MIED
* Amos
* Workbench
* Modem
* 3D
* Decompress
* Instruments
* Clip Art
* Demos
* Music
* Workbench
* Killers
* Hobbies
* Printers
* Game
* Animation
* Hard Drive
* Octamed
* Cheats
* Objects
* Virus Killers
* Art Related
* Modules
* Educational
* Business
* Hard Drive
* Common
* Video
* Programming
* Databases
* Sound
* House
* Degrapers
* Programming
* Cad Software

300 New Library disks

* Games
* Mega Demo
* Demos
* Rave Demo
* Slide Shows
* Music Disks
* Collections
* Sampled
* Pictures
* Disk Magizines
* Animations
* Sounds etc.

100 New fred Fish Disks
The follow on to the most popular floppy disk library from fred Fish disks 1001 to 1100

Fractal Software
Contains hundred and hundreds of original fractal images (IFF format) in a truly spectacular collection. Headings like The Star Gate, Mandelfrost Spirals, Rose Cauliflower and many more!. Also contains the most up-to-date fractal and mandelfrost generators, creators for the Amiga.

Images from Space
Contains a section of background and pictures pictures from:-

* Space
* Probes
* Asteroids.
* Shuttles
* Deep Space
* Space Exploration
* Planets
* Solar Systems

All the latest viewers are also provided for easy use.

Amiga Fonts
* ***100 Bitmap Fonts in mono*** ideal for use with your workbench and dpaint programs.

* ***100 Bitmap Fonts in colour*** (4,8 & 16 colours ideal for desktop video work and colour DTP.

* ***100 Adobe type 1 Fonts*** ideal for use with Page stream users.

* ***100 Compugraphic Fonts*** for use with Workbench 2.0 and 3.0 machines. Complete scalable fonts, ie resizable.

*** Electronic Texts (Ready-to-read)**

* Alice in Wonderland
* Tarzan
* The Wizard of Oz
* Nights
* The Heart of Darkness
* The King James Bible
* Edgar Rice Burroughs
* Mary Wollstonecraft
* Wharton
* Jane Austin
* Thomas Hardy
* Hendry James and many more!.
* Mody Dick
* Huckleberry Finn
* The Arabian Nights
* The Jungle Book
* The Book of Mormon
* Robert Louis Stevens
* George Elliot
* Edith
* Mark Twain
* Upton Sinclair
* Thomas Paine

POV RAY
This cdrom also contains the latest pov-ray ray-tracer version 3.2 with a wide selection of helpful text, example texts and pictures.

BUSINESS SELECTION
Contains all the best software to help any small business or anybody that wants to print

* a letter
* an invoice
* a business card
* a Letter head.
* Also has software like Spreadsheets
* Catalouging systems
* Typing Tutors.
* Databases
* Desktop Publishing
* Financial Planing
* Home finance
* Inventory
* Label printing
* Mailing
* Word processing etc.

This entire collection costs less than just one commercial game, spread sheet, word processor or brain storming program.

Many of those programs just aren't in normal shops or PD Libraries When you're not working with your computer the Leisure, Home, and Hobby programs you will keep everybody entertained for months. Your most valuable resources are time and money - you save both with the CD.

Prof Fonts & Clipart

CODE: CD028 **PRICE: £9.99**

You're sure to find fonts and clip art in this.

Add power and elegance to any letter, document or design with ***The Professional Fonts and Clipart*** CDROM. This disc gives you Adobe Type 1 Fonts, IFF, Computer-graphic fonts, Truetypes, Type type & 5,000 clipart files in mixed formats.

What do you get:-
* ***Adobe Type 1 Fonts*** - 4,000 deferent fonts for use with Adobe compatible DTP programs.
* ***True Type Fonts*** - More than 1,500 fonts you need to design documents that get noticed.
* ***IFF Fonts*** - Colour fonts, Black and White fonts, Font brushes, IFF Previews & Pic Fonts.
* ***Fletcher Fonts*** - All our famous 16 colour fonts for use with DPaint & Video productions.
* ***D.T.P*** - Pagestream, Page Setter 2 & ProDraw all all supported on this disc.
* ***PDSFonts*** - 35 Disk packs, various formats.

Personalise your letters with:
* thousands of excellent looking clipart images.

SEXY SENSATIONS

CODE: CD230 **PRICE: £19.99**

Explore the vast secret Images of Sexy Sensations!

The pictures have been selected as there is no text, no BBS Door text. No Large borders taking up disc space. ***Only contains the Hottest Pictures in GIF format.***

The 2,000+ images will dazzle you. We've included only the very best pictures. This CD comes complete with an excellent menu system which makes it easy to view the images quickly. The ***Superior*** collection of photos taken by professional photographers. They have been colour corrected to assure quality.

This CDROM contains ***Adult material*** and is not for the faint hearted. New material only. If this material offends you in any way please do no purchase this disc. Proof of age (***18+ only*** needed when buying this CD. No proof, no CD

We do not condone or supply hard core material.

Amiga Utilities 2

CODE: CD201 **PRICE: £19.99**

An entire Library of utilities in all catagies for the Amiga.

Its our complete classic Amiga Various disk collects. This is the 2nd volume to be release on CDROM. (Previously on 1,500 floppy disks only in DMS format only).

You'll be sorted with Amiga Utilities 2?

You'll get software from all aspects of the Amiga. Technical section. Artwork in Black & White and Colour, and 2,000 of our ***Now Famous*** Various floppy disk library.

Utilities on the disc

* Anti Virus
* Workbench 2.0
* Clocks
* Calendars
* Copy and Delete
* Dir View
* File Finders
* File Changer's
* Comparisons
* Disk copies
* Keyboarding
* Mouse Utils
* Enhancements
* Editors
* Menu systems
* Security
* Workbench 3.0
* Astrology
* Magazines
* Communications
* Archivers
* Catalouging Utilities
* Desktop calculators
* Telephone utils
* Directory
* Disk utils
* File Viewers
* Help
* File Copies
* Hard Drive utils
* Educational
* System
* Emulator's
* 4Dos Utils
* C.A.D Systems
* Video Utils
* Magic Workbench
* Game Cheats
* Stereograms
* Desktop Publishing
* Business
* Emulator's
* Books
* Printing
* Gambling
* Genealogy
* Video
* and a hole lot more!.

New Double disc version

**** New Menu system***
An excellent menu system which can view and display all the .Info files from the CDROM to your hard drive.
**** New 'Search' Functions***
To search for all the Workbench titles just click on the search button and text workbench and all the disks will be displayed.
**** New Workbench environment***
Excellent ready-to-run Amiga Workbench has been prepared on the disc for easy use.
**** Over 350 New Disks***
550 new disks since Utilities 1-1500 was released.
**** Restyled, Remastered***
New help and information files, restyled artwork! Updated Information Catalogue of New CDROM's and contains the latest software right upto late December 1995.

* Greatest & latest Utilities from October '91 to December '95: Utilities, and loads more (see above).

Enhance your Amiga with powerful applications carefully sorted through-out our many years.

Our Menu system will help install any of the utilities to any device/drive on your system. Will unlha/view any file.

Supports All Amiga computers 1.2 to 4.0
Minimum Req Amiga A500, CDROM Drive and 1Mb of memory. Recommended 2Mb A1200 for all utilities to work.

F1-Licenceware

CODE: CD233 **PRICE: £29.99**

Sick of the run-of-the-mill old releases containing collections from pre-1995

The ***F1-Licenceware*** CD contains the complete collection of F1 titles from 1 to 100.

Over 100 titles or more than 200 disks!. This CD is worth well over £500, if the disks were bought separately.
There's something for everyone on the CD - games, utilities, tools, professional clipart, music, beginners guides, educational programs and much more.

Some superb material is contained within this CDROM:-

* ***Blackboard v3.0*** (image manipulation)
* ***Ultimate Quiz*** (Trivia quiz), Word
* ***Plus Pro*** (originally valued at £15!)
* ***Fortress*** (strategy God game)
* ***Relics of Deliverance*** (Arguably best PD game ever by Amiga Format)
* ***ERIC*** (voted second best PD game ever)
* ***Powerbase*** (database program)
* ***GRAC*** (superb Monkey Island' style adv game creator with 1000's of copies sold on floppy!)
* **Introduction to Workbench** (Best Seller!)
* **Absolute Beginners Guide to AMOS**
* ***Junior Artist*** (kids paint package)
* ***Tots Time*** (one of many kids programs).

Commercial Software

Use some of the professional music within your games, with no extra charges.

What about the clipart for your DTP documents? AMOS programmers have a field day with this CD - AMOSMaine, guide to AMOS and AMOS supplements.

Something for everyone. With a very easy to use AmigaGuide© interface with 80% of the programs running straight from the CD.

Remember that the programs are commercial, with copyright owned by F1.

All programmers receive a royalty for every CD sold.

ZOOM release 2

CODE: CD234 **PRICE: £18.99**

The latest PD and the Latest CDROM from Active software Comes release 2!

December 1995 - Contains the greatest and latest PD from two superb PD libraries. The interface must be the most easy to use CD interface on any CD. Coded by the author of the great Deadlock disk magazine - Just point, read about the disc and click to extract (Extract to floppies or RAD:). Superb and very easy to use. The contents have also been updated so you get all the latest PD Until early December 1995 and loads more not listed.

Comes with an on-line help routine, multi-task ing search routine and hokeys function.

If you want the latest or greatest PD Software then look here! The CD contains well over 1,100 disks, over 640Mb's of data or 1.3 GIG's of Public domain.

New - Updated version

New Search Routine
The Multi-tasking search/find will seek file names or numbers.
New 'Hot Keys' Function
Just Press 'S' for search or 'E' for extract, press the 'HELP' key to read the help text.
New Separate List Buttons
Click a button for 'Utilities' or 'Demos' etc, etc
Over 200 New Disks
200 new disk scene Zoom release number 1 on 1st of June 1995.
Restyled, Remastered
New help and information guide, restyled artwork! Which is just Superb!!

* Greatest & latest PD from October '94 to December '95: Utilities, Games, Demos, Slide shows, Educational, Disk magazines, & more!.

NEW! - A selection of Active software Pro Packs
NEW! - All professional sound samples
NEW! - Over 22Mb of read-to-view/use magic Workbench icons etc.
NEW! - 100 Klondike/Card Games Deluxe sets

**** Available to existing ZOOM Owners for £6.99 - call***

The AGA Experience

CODE: CD210 **PRICE: £14.99**

The Best Selection of AGA Software anywhere. The AGA Experience

NFA - Famous for their 'Word' diskmag, and Bodyshop slideshows amongst others, are very proud to present their first Amiga CD-ROM disc - The AGA Experience. This is the first CD dedicated to A1200/A4000 owners, and features the very best AGA-only software released over the past 3 years. Some of the main features are as follows:

EXCLUSIVE NFA - These quality titles were created by leading Amiga group NFA specifically for this CD. These titles include AGA Slideshows, Klondike card games and demos. The CD features every AGA NFA release to date, including the brilliant 'Word' diskmag, 'Out of Space' Alien slideshow and Graphics Jam. The entire collection of the popular 'Bodyshop' series of slideshows, including the 'Bodyshop' release! These titles are official NFA releases.

READY-TO-RUN - Most of the contents run straight from the CD. There is no need to spend ages extracting disks. Well over 300mg of ready-to-run high quality mags, text files, demos, games and much more. Only those titles which NEED to be compressed have been, these include Demos and slideshows which have to be stored in DMS format. Extracting these is as simple as double-clicking an icon in Workbench.
MAGIC WORKBENCH - Colour scheme and icons. We have spent months making this CD the very smartest looking CD available today. Almost every program has a suitable MagicWB icon. We have even created custom Ray-Traced icons for the CD, any Amiga owner is guaranteed to be impressed!.

SO NEW CARD-SETS - There is also a ready to run version of the brilliant Klondike card game, with 10 built-in cardsets. These include many quality cardsets we have created ourselves,and these are only available on this CD. Featuring **EXCLUSIVE** 'Bodyshop' cardsets!.

LICENSED - Amiga Report Disk mags. The entire 1995 collection so far, ready-to-view. A great resource for any Amiga owner.
VERY LATEST - Emulators, Rom PC, Apple Mac, Spectrum and C64 software.

LOADS - of MagicWB icons, backdrops etc. All you need to add a professional appearance to your Workbench.

HUNDREDS - of programs never before seen on CD. Most have been loaded from BBS's around the World, and straight from the Internet.

ALL AGA - Amiga Doom clones. If you thought Doom was impossible on the Amiga, take a look at this CD for a real surprise!.

BRILLIANT - Amiga-created images. We have created loads of very impressive AGA pictures for this CD. These pictures are on no other CD, and show what the Amiga is really capable of!.

LATEST AGA - Mega-demos. If you like being impressed by your Amiga, you'll find a great selection of demos on offer. There are many which are so new, that you won't have even heard of before - let alone seen!.

HIGH-QUALITY - Artwork and packaging. You'll be more than impressed with the quality of the Amiga-created artwork and packaging.

C64 SENSATIONS

CODE: CD181 **PRICE: £17.99**

Remember the good Days

Contains all the Software that use have collected during our great times on the C64. Dating from 1984 up to the present day.

Surprising as it may seem to a lot of you, the C64 is still a lively C64 scene today. Although very different from a few years ago there are still a lot of people still heavily into the 64, and the rest of you, like us, have a lot of great memories.

That is one of the reasons why we compiled this CD. So anytime we want to reminisce the old days you can just pull out the CD, plug it in & Everything is brought back.

We guarantee you! that you will not have seen many of these amazing Mega demos as a high amount have not been releases before.

Our C64 experts have spent months of fruitful work preparing this disc, converting files from 5 1/4 inch floppy disks. Searching through the internet sites, talking to programmers etc.

Amiga - Contains Amiga tools to be used for copying & converting the .D64 images back to your 1541 or into your Amiga. Also included is the FULL version of ***All*** Emulator Package.

Demos - This directory contains our entire C64 Demos collection. They date back from around 1986 until April of 1995. There are literally thousands of demos and magazines. On the fun 1 had looking over old demos and reading charts in 5 year old magazines. The collection is as complete as it could be for someone mail trailing for years.

MS-Dos - Contains various IBM tools to be used with the image files. The IBM Tools section is considerably larger than the Amiga Dir. In here you can find C64 tools to virtually everything you have ever dreamed of to a .D64 file. Also included are the latest Shareware and Upgrade copies of C65's and YC64, the two most common PC C64 Emulator's.

Sid Tunes - In here you will find hundreds of Sid Player tunes. All the tunes are in Amiga Played format (SID) ***All*** have been renamed with PC SidPlayer file extensions so they are runable on a PC as well. They are also runable through PlaySid. The latest versions of which is also on the disc are provided in the relevant Tools directories.

SCI-FI SENSATIONS

CODE: CD207 **PRICE: £18.99**

is an exciting new **Double disc** CDROM containing over 1000Mb of Science fiction related software.

The Sci-Fi CDROM contains Images, Music, Animations, 3D objects (Imagine & Lightwave), Sound FX, Documents, Tunes, Information and Games.

Catagies include:
* Babylon 5
* Star Trek
* Deep Space 9
* Dr Who
* Thunder Birds.
* Next Generation
* Voyager
* Robocop
* Batmman
* Bladerunner
* Aliens, 2001
* Battlestar Galactica
* Tron
* Total Recall etc.

All ready to run direct from the CD
There are other interesting software catagies like Images, Animations, Clipart, SCI-FI Fonts, Information, WallPaper, Stories, Music, Samples, Utilities, Game Graphics, Tools, and Animations in FLI, FLC, ANIM, Movies, AVI, Mov and MPEG formats.

THE SOUND LIBRARY

CODE: CD101 **PRICE: £19.99**

Over 1,000Mb of the best quality Sound Files.

Its a ***Double Disc Set*** with the most comprehensave collection of sound related software to date.

What you do get:-
* **MIDI** - files various formats.
* **Over 2,000** Music Modules.
* **Over 1,000** Music VOC Files.
* **Over 1,000** Music WAV Files.
* **Over 1,000** Music IFF Samples.
* **Ready to Run** - 100's of Music related software packages, Editors, Mixing, Converter's, Sequencer's, Drivers, Players, Trackers, etc.

Amiga - Get the latest shareware & PD versions Sound Tracker, Pro Tracker, MED, Noise Tracker, Editors, Rippers, Samplers, Sound Effects Pro Wizard converter's & more.
PC - Latest Winsock for windows, Doom Blaster, Tetris sequencer, Blaster Master, Windows sound utilities, Trak Blaster, Accu Music system, Multi Media Jukebox, Cuerms, MOD4WIN, Music Sculptor, Surfs UP, PC Drummer, and much, more.

GRAPHIC SENSATIONS

CODE: CD105 **PRICE: £19.99**

This CDROM contains a huge selection of ***The Best!*** graphic related programs available.

We packed this disc with virtually all available shareware Graphical software for DOS, Windows & the Amiga.

What you do get:-
* ***Animations*** in Anim, AVI and FLI formats.
* ***Pictures*** in GIF format.
* ***Imagine & Lighwave Objects*** - Aviation, Building, Computers, Earth, Food, Gears, House, Hand items, Land, Logo's, Misc, Music, Organic, Outlets, Ships, Space, Sports, Text, Toys, Tree Kit, Vehicles, Video and Weapons.
* ***Fonts*** - for Imagine & Lightwave users.
* ***PSFONTS*** - For Image & lighwave (Over 240)
* ***Imagine Attributes*** - Air, Angular, Brick, Checks, Combo, Disturb, Dot, Grid, Environment, Filter, Glass, Leather, LiqMagic & Undersea
* ***Textures*** in IFF format in various catagies like Marble, Misc, Nature, Organic, Stones, Wood, Rock and Water.
* ***Viewers*** for Amiga, PC (Dos & Windows).

SPECCY SENSATIONS

CODE: CD180 **PRICE: £19**

UPDATED VERSION

Contains all the contents of Speccy Sensations and about 300Mb more (Over 5,000 Games including on the CDROM).

Its truly a multiplatform CDROM with Emulator's for various computer types such as The Amiga, Atari ST, Mac and PC. Contains some exclusive products which ONLY appear on this CD and have never been released before.

You get loads of Spectrum Technial FAQs, Games files, The modified spectrum ROM, Modified interface 1 ROM, other Modified ROMs, Wallpaper pictures for windows (.BMP) and Amiga Workbench (.IFF), Various pictures in .JPG & .GIF formats of Tape inlays, Spectrum computers, Game level maps.

Base hours of fun with the best loved computer from yester-years, be prepaired to spend weeks looking through all the games, utilities, information, maps, and pictures of this classic computer. The perfect choice for anyone interested in the spectrum computer and if you want to convert your own games from tape then this disc will tell you how.

With the Speccy 2 disc you'll get:-
* ***Documents*** - Instructions, Manuals, Misc, QL FaQ's, Spectrum FaQ's, Technial details.
* ***Games A to Z*** - Over 5,000 of them.
* ***Wall Paper*** for windows and Amiga Workbench 1.2 to 4.1.

Programs provided for use with:
IBM PC Computers, Amiga, Archimedes, Atari computers, Generic, Mac's, Spec, and others.

ROMS:-
* Contains all the Spectrum ROM needed for all the emulator's to work direct from the CDROM or your hard drives.

THE COLOUR LIBRARY

CODE: CD182 **PRICE: £9.99** *What Catagories do you get-*

The image you need right now over 1,700 photos!

Contains only latest Graphical public domain from all over the world, also contain clip art and stunning coloured images, perfectly scanned pictures

The ***superior images*** are divided up into various categories to aid selection.

The files may be **"importable"** into most of the popular desktop publishers, art packages, viewers & word processors directly from the CD.

We have included several useful utilities to enhance the performance of this disc. First is **'Filly GIF'**. This allows you to view any of the images on this disc, prior to use. Second is **'Photovision'** which is a full featured image manipulation and viewing tool from Software Vision Corporation. Another program which is also a firm favourite is Envision Publisher which is a top quality desktop publisher, there are of course loads more of the most popular shareware titles on this disc and all come with full instructions for there use.

* Animals
* Birds
* Buildings
* Cartoons
* Computers
* Dogs
* Fish
* Flowers
* Helicopters
* Inserts
* Medical
* Military
* Model
* Places
* Raytrace
* Sci-Fi
* Ships
* Smartart
* Space
* Sports
* Star Trek
* Swimsuits
* Things
* Trains
* War
* Bikes
* Boats
* Cars
* Cats
* Dinosaur's
* Fantasy
* Flags
* Food
* Houses
* Maps
* Men
* Misc
* Painting
* Planes

Also contains our menu system for easy use.

Pro Clipart Volume 2

CODE: CD053 **PRICE: £17.**

Come with a 350 Page Book

is crammed full of clipart. Every one from Juniors to adults will simply love all the pictures.

All pics come in dual formats ***IFF*** and ***PCX*** to cover both PC & Amiga. People like Teddy Bears, Birds, People, Weddings, House's, Trees, Humours, Family, School, Holidays, Vegetables, Animals, Computers, SmartArt, US Navy, Comic cartoons, hand painted scenes, Feast of Food, Cats & Dogs, Flowers, Monthly Banners, Animals, Christmas, Aquariums of Fish, Famous Faces, Maps, Men, Christmas, Medical & Surgical, Soldiers & Weapons, Dinosaur's, Borders, Monsters, Cars, etc.

Then as most CDROM's we have excluded subject bracketed directories such as, Animals, Beautiful cultural images, floral and natural images, Gif holiday images, literary figures, mythological images, scenery, transportation, and world images. The disc contains drawings of bears, cats, dinosaur's, dogs, insects, horses. Cultural images from Egypt, Japan, Native American, Polynesia, Persia are also included on the disc. Floral & natural, blossoms, planets, sky, the sun, trees, weather.

AMIGA

Converter's - Image Studio, Rend24, Wasp, Pecee, PBM-Plus, etc.
Word Processor's - Contains backgrounds, Desktcons, Disk Tools, Dock Icons, WWB/DTP Clip Art, Fonts, GoldEd, HangCds, Icons, ImageDrawers, Magic CDX, Magic backgrounds, Magic CD, Magic Dockicons, Magic expansion, Magic Icons v1.2, Magic WB, Magic Manager, Modules, Rom Icons, Server, Tau Icons, Templates, Update Files, and loads more Utilities.
Pagestream - Contains all the latest Update patches along with printer Updates, CG Font Engine, Editor, Font & Print Spoolers.
Presentation - Navigator is a virtual reality presentation system and will allow you to walk, drive and fly through the 3 dimensional generated world in realtime.
Viewers - ViewTek, Super View, GIFKit, FastJPEG, IlView, BigAnim, Detex, Mostra, FPShow and many others.
WallPaper - Contains WB, WP, InFill, Plain, WallPaper, WBP, WBP v2.0, and Zip Drops which is an excellent collection of seamless textures for WB backdrops.

PC [Dos and Windows]

Converter's - Tico View is a 24 Bit PCX graphical viewing program for VGA and SVGA will import various formats and convert them to almost any other format on the BMP, GIF, ICO, IMG, MAC, PIC, TGA and TIF. Also goes image processing and printing routines for DOS
Icons - Contains over 100 ZIP files each full of icons for your Windows. Will enhance anyfor the standard shell system setting an exciting multi colour display.
POV - Contains all the latest Updates and over 1Mb of new ZIP files related to the Ray tracing program called POV-RAY.
Presentation - Contains Artshow, Brochure 2.0, CPMagic & 2, PCPictures, QShow, Resume, SFlow, SQM, Slides, SSVWR4, TakeOne, Talk Show and ZGrad for Windows.
Graphical (DOS/WIN) - Contains the latest Dos viewers like Colour View, Draft Choice, Fantasy Art, Graphic Workshop, ESP, Holiday Clipart, HomeFrame, Fractals in motion, IFrack, KrisCards, MandelbrotJulia Set Generator, Microscope, NeoPaint, realize, Slideshow Animator, Trade Show, and VFD (command line motion video cross-compiler that converts FLI, AVI and MPG, and another 50+ programs for windows. (Too many to list).
WallPaper - Contains over 15Mb of software related to Wallpaper for windows. With over over 100 ZIP files there's loads of different backdrops to look through.

Turbocalc v2.1

CODE: CD218 PRICE: £9.99

Eric Schwartz Productions CD Archive

CODE: CD229 PRICE: £24.99

Eric Schwartz needs no introduction to any Amiga Animation fan!

November 1995

As you may have already gleaned from the title, this is a CD-ROM of pretty much the complete collection of pictures, animations and related files by Eric W. Schwartz.

There are directories for animations, pictures, 3D object files, icon files, & more that hopefully will interest you. Also included is a special "Artists" section with material by other artists whom I've has come in contact with over the years. These artists you may have heard of, while others are new to this medium, but I'm sure you will enjoy all their work.

To get the best results in playing animations by Eric Schwartz:

* Make sure you read the text file associated with the animation, where available. It will give you information regarding the amount of RAM you will need as a minimum, as well as whether the animation works best on an AGA or non-AGA machine. I have very few animations that absolutely require an AGA machine, but a fair number of them do use the extra speed inherent to the AGA chipset to achieve a smoother playback.

* This CD-ROM is jam-packed with nifty sixteen colour icons, setup files transform your workbench into an Hi-Res Laced 16 colour one (assuming your hardware is capable of it).

An Amiga Library Services CDROM By Eric Schwartz and Fred Fish.

Content

Warning

A NOTE ON THE CONTENT OF THIS CD-ROM. Generally, the files on this CD-ROM (primarily animations and picture files) are OK for a fairly general audience. There are, however, some pictures and animated segments that contain material of a potentially offensive nature. To generalise, I would give this CD-ROM a basic motion picture rating equivalent of PG-13. My pictures and animations were never specifically intended for children, and I have no censors other than myself.

Aminet Set 1

CODE: CD112 PRICE: £24.99

Quite simply the best CD compilation around "CU Amiga"

January 1995 -

Aminet Set 1 consisting of 4 CDs. The complete archive is published for the 1st time.

What do you get:-

Dir	Size	Files	Contents
Disk A			
dev	141Mb	800	Development.
util	103Mb	1,800	Utilities.
Disk B			
gfx	134Mb	900	Graphics.
pix	337Mb	1,100	Pictures & anims.
text	87Mb/500		Text Software.
docs	39Mb/400		Documents.
Disk C			
demo	336Mb	900	Demos.
game	160Mb	1,000	Games.
comm	86Mb1,100		Communications.
hard	6Mb	100	Hardware related.
Disk D			
biz	63Mb/300		Business Software
disk	12Mb/200		Disk HD tools.
misc	109Mb	500	Miscellaneous.
mods	358Mb	2,700	Music Modules.
mus	29Mb/200		Music Software.

Aminet Set 2

CODE: CD220 PRICE: £24.99

fast access to the wealth of the Aminet!

November 1995 -

Aminet Set 2 consisting of Aminet 5, 6, 7 & 8 CDs. The second Set archive is published and has just been released November 95.

What do you get:-

Dir	Size	Files	Contents
Disk A - Tools			
util	120Mb	1,000	Utilities.
docs	270Mb	870	Documents.
text	46Mb/210		Text Software.
biz	75Mb/170		Business Software
Disk B - Graphics			
pix	630Mb	2,000	Pictures & anims.
gfx	170Mb	430	Graphics.
misc	150Mb	270	Miscellaneous.
Disk C - Fun			
demo	630Mb	2,000	Demos.
game	250Mb	530	Games.
dev	110Mb	340	Development.
disk	10Mb/110		Disk HD tools.
hard	5Mb	60	Hardware related.
Disk D - Mods			
mods	840Mb	3,100	Music Modules.
comm	150Mb	1,000	Communications.
mus	30Mb/120		Music Software.

Post to: [Aminet Subscriptions]

PDSoft, 1 Bryant Avenue, Southend-on-Sea, Essex, SS1 2YD. or Telephone 01702 466933 fax 617123

* Subscription Service - which you can stop at any time by post, Telephone or Fax.

* ***Example*** for 3 discs starting with Aminet 9, that's Aminet 9, 10 & 11 for £10.99 each plus 75p postage & packing bring the total to £35.22

Payment By Cheques or Postal Orders complete payment in advance only!

CD's	Per Cd	P&P	Total	Amt
le 9	£12.99	75p	£13.74	1
9 & 10	£11.99	£1.50	£25.48	2
9 to 11	£10.99	£2.25	£35.22	3
9 to 12	£9.99£3.00	£42.96		4
9 to 13	£8.99£3.75	£48.70		5

Payment By ***Credit Card*** or ***Switch*** will be charged at £11.99 and only charged for when posted, or pay in advanced to take the above special offers. [For credit card sales please ring the above phone number].

The Aminet discs are published every 2 months and there's ***Now over 1,200*** world wide subscribers and growing every day. It's the most popular Amiga CDROM series.

Phone Now for more details or a catalog!.

C User's Group Library

CODE: CD049 PRICE: £19.99

Now in 11 years of C Journal source code!

C User's Group Library gives you the entire C Group Library through Release 430, a collection of more than a hundred Mb of essential C source code, of the source code is for MSDOS with several volume for UNIX. The code reuse is a key to software productivity. This disc provides you with thousands of lines you can read, analyse, and incorporate in your own programs.

You'll find:

Dozens libraries, inc text display & editing, many programming routines.

Parsers, text formatters, BBSs.

Games inc Chess, Math Packages, Tutors.

Text compilers, comms support, Linkers.

Programmers molecular structure visualisation

The C Users Group Library is an essential addition to any programming toolkit.

ARCADE CLASSICS

CODE: CD20? PRICE: £14.99

The original collection of Arcade Games.

Arcade classics is an original collection all your old **classic favourites**. Including PC & Amiga variations of:

* Pacman	* Asteriods	* Missile Comand
* Progger	* Pengo	* Tetris Games
* Galaxians	* Tempest	* Lead Runner
* Battle Zone	* Combat	* Space Warz
* Thurst	* Tron	* Moon Patrol
* Q-Dirt	* Hunchback	* Centrepede
* Trail Blazer	* Breakout	* Snake
* Cycles* Bezerk	* Ping Pong	* Breakout
* Scramble		

* C64 Conversions * Space Invaders

Jeff Minter games and hundreds more more than 800Mb of unforgettable reto-gaming.

This CD will ***keep you busy for months.*** Floppy drive required, keyboard Keyboard recommended.

Meeting Pearls 3

CODE: CD224 PRICE: £8.99

Germany's most popular Amiga CDROM has grown by a new addition!

Meeting Pearls III build on the enormous success of Meeting Pearls II by provided even more useable access tools which have been significantly expanded and improved from the previous version. Operation is still child's play. FindPearls has been improved and extended and an AmigaGuide-style search interface has been added. As we weren't satisfied with just that, you can now use a program created for meeting Pearls, to search program instructions for a keyword quickly. These search facilities make it the most versatile yet provided on any Amiga CD-ROM.

What do you get:-

* ***Exclusively,*** we have provided a special version of CD-Write, to allow virtual writes to the CD-ROM. Thus, you can completely customise Meeting Pearls III to your needs. Special goodies amongst the hundreds of freeware, Shareware and Public Domain programs are PasTex v1.4 (previously unreleased on a CD-ROM and an updated MovieDataBase.

What do you get:- 650Mb

10Mb	Packers, Crunchers and Archivers
3Mb	CD-ROM Utilities
21Mb	Communications & Networking
5Mb	Debugging Tools
29Mb	Development Tools
13Mb	Floppy disk, Hard Disk, & SCSI utils
8Mb	Educational Programs
9Mb	Games
35Mb	Graphic Programs
30Mb	Internet Movie Database. ***Updated***
7Mb	Mini-Tools and Programs
27Mb	Music Modules
12Mb	Music Programs and Software
21Mb	Pictures
13Mb	AmiTCP and more for Networking
60Mb	Documention. CD-ROM Databases, etc
96Mb	PasTeX v1.4 - ***Not previously released***
15Mb	Utilities
30Mb	HTML-Pages.

Collections of datatypes, benchmarks programs, icons, programs for amateur radio and electricale/electronic engineering are also included.

da capo

CODE: CD196 PRICE: £27.99

Fresh fishes Amiga Music for a swim.

The da capo CDROM ..

The da capo CDROM is a unique high quality music, made for your listening enjoyment and for samples to use in your own music. *This is not just another random collection of modules, many of the modules are exclusive to da capo.*

Fresh Fonts II

CODE: CD103 PRICE: £19.99

Fonts with a nice cursive look.

You send in *Fred Fishes* font and from this cdrom come a small book with the samples printed out.

Gateway!

CODE: CD165 PRICE: £8.99

Gateway offers NetBSD 1.0 for the Amiga.

The ***Gateway*** CDROM is the easy way to start a Unix project on the Amiga.

A **Full featured UNIX-Lite operating system** with both sources and binaries for the Amiga, i386, Sun 3 and offer architecture's.

Go netserfing with a large selection of supplied networking tools.

Other supplied packages include a binary release of the **X windows system (X11R6)** for the Amiga, with many additional clients, and packages such as perl, emacs, games, mail programs, and many megabytes of important text files such as RFCs and FAQs, a complete installation guide is available on the CD.

There are some AmigaDOS internet utilities, such as clients for **AmiTCP** and Envoy.

Global Amiga Experience

CODE: CD199 PRICE: £24.99

Test the best Amiga Software with many full versions.

Contain demoversions of commercially distributed software for the Amiga **The Global Amiga Experience** CDROM. The full Imagine program is a big plus. **A857 92% Star buy.**

What do you get:-

* ***Some of the examples of demo versions*** -

Caligari 24, XiPaint 3.1, PFaint 6.3, Image FX 2.0, Photogenics 1.2, Bars & Pipes 2.5, Interpaint, Words Worth 3.1, Maxon Tools, MaxonCAD, PhotonCAD, PhotoworX, MaxonCinema4D 2, Adorage Samplitude Pro, Turbo Cale 3.0, Cluster, CacheCDFS + CD32Emu, SBase4Pro, Datastore, Office Engine, A Cash Pro, Amiga Money, Turo Text 2.0, DMaxDOS2.5, InfoNEXUS 2.5, Diavolo Backup, Mortion & magic objects and many more from other fields e.g Graphic Music, Applications, Games etc.

6 Full versions

Scala 1.13, Imagine 2.0, VistaPro 1.0, Distant Suns 4.0, The Edge 1.721D, X-Copy, Clarissa 1.1, StreetRacha Pro '93.

Most of demos and all full version are directly runable from this CD, there is no installation necessary!

Installation of the demoversions to hard disk is possible with our problems, the overwhelming majority of the demos is included as compressed file too.

"Its Great value for money" Amiga Shopper

This CDROM contains 530Mb of demo and full versions of commerrially distributed Amiga Software. Registration of the Full versions is available with special coupon included.

Xi Paint v3.2

CODE: CD231 PRICE: £49.99

XiPaint is the leading edge, 24 bit paint program!

It's suited to the demands of novice and expert alike, and within a short time, you too will be able to produce colourful and creative art in 16.8 million colours. This version of XiPaint provides a professional paint program at an unbeatable price/performance ratio.

XiPaint only requires Kickstart 2.0 or higher, 2Mb of RAM, Hard disk, additional memory and graphic card recommended.

Overview of features:-

* Diverse paint functions including colour, contrast and saturation adjustment.
* Mask, outline, recolour and fill functions.
* Airbrush with adjustable spray functions.
* Light-table function for manipulating manages and animations.
* Text functions with anti-aliasing using Compugraphic fonts.
* Support for a variety of graphic formats.
* Unlimited Undo.
* Diverse manipulation of alpha channel.
* Supports many graphic cards.
* Layers to combine different projects.
* Alfexs port.
* Drag and Drop colours.
* External filter module.
* Extensive documents.
* 60 Textures
* 50 Landscapes.
* 30 other pictures and many fonts included.

Aminet Series

CODE: ??? PRICE: £12.99

The Best Selection of AGA Software anywhere - The AGA Experience

Aminet 6 - CD175 - June '95 with a focus on demos is still available in limited quantities.

Aminet 7 - CD184 - August '95 contains more then 1 gigabyte (uncompressed) of software in thousands of archives. Since the release of Aminet 6 more than 500Mb of new software has appeared. The current edition has a special focus on images. 10,000 images for DTP and multimedia were included.

Aminet 8 - CD208 - October 95, contains more thiban 1 gigabyte (uncompressed) of software in thousands of archives. Since the release of Aminet 7 CD more that 500Mb of new software.

Aminet 9 - CD??? - December 1995, contains more thiban 1 gigabyte (uncompressed) of software in thousands of archives. Since the release of Aminet 7 CD more that 500Mb of new software has appeared. The current edition has a special focus on modules. More than 1,00 were included. Many modules are of a very high-quality and feature 8 voices. The excellent user-interface has also experienced further improvements.

Assassins Games 2

CODE: CD211 PRICE: £18.99

For the Ultimate Games experience play with the Assassins!

Assassins Games 2 CD contains of hundreds of the best Public Domain and freware games for the A500, CDTV, and Amiga range of computers.

All the games are accessed via the easy menu system. The Amiga guide document provided will make easy access to the games instructions and it's possible to play them direct from the cd.

The Guide also provides compatibility note for various games with your particular machine. Included are over 70 workbench games ready to play from the workbench.

Devpac and Sensei are also provided to allow access to the full contents of this compact disc for an Amiga with CD32/CDTV.

Network 2 Package

CODE: CD235 PRICE: £39.99

Get connected CD32 to Amiga.

The ***Network Package &*** CDROM. **Wlerd Science.**

* **Network CD 2 £14.99**
* **Serner Cable £25.00**

* ***The Network 2 CD and Cable*** combination allows the connection of the **CD32 or CDTV** (CDTV only to be purchased with Network CD Vol 1 please Ask) to my Amiga. This connection enables a communications channel between the two machines, thus allowing the transfer of files from one machine to the other. Put simply you can gain access to the CD32/CDTV drive on the CD32 and use any of the normal CDROM utilities contained within this advert.

File Transfer If you have a directory Utilities such as Directory Opus, Sid or DirWork the access to any CDROM's files is simple. [DirWork [Shareware] is currently on the CD].

Postage & Packing by Recorded Delivery **£2.45**

Goldfish Volume 3

CODE: CD227 PRICE: £19.99

All material is unarched and Ready-to-Run.

If you have used previous FreshFish and GoldFish CDs you will notice that there are major changes for this GoldFish release.

First the user interface has improved substantially. Most icons now have Meta Used as their default, which allows you to decide which tool you would like to use to view text files, AmigaGuide files, pictures, etc. You will have the opportunity to select these tools during the installation process.

Second, there is a new Installer script that takes care of the details of preparing your system to use the GoldFish CD. Simply run the Installer script and start exploring. The installation will make no permanent changes to your system without asking you to confirm them, even in novice mode.

Third, many more things are now accessible via AmigaGuide, making GoldFish much more user friendly. You can explore much of the CD, including reading documentation, running Install scripts, running programs, viewing pictures, running animations, searching for specific material, etc, without ever leaving AmigaGuide or touching a CLI window. There are other changes as well, but these are documented in the top level README guide file. You might very run the INSTALL script to start using GoldFish.

Since the INSTALL script will make no permanent changes to the system, it is safe to run it in novice mode if you wish.

GoldFish Volume 3 contains a selection of software, animations, pictures, and other material, released on Freshfish CDROMs between November 1994 and November 1995, with most of the material updated to the latest versions. All of the material is read-to-run directly from the CDROM.

The ***GoldFish*** CD-ROM series provides Amiga users with periodic releases of the best material from Fred Fish.

Meeting Pearls 2

CODE: CD142 PRICE: £8.99

You're sure to find software that can be used!

There are many software packages on this CD-ROM that are defined to be shareware. All files can be easily copied to your hard drive. So installations and programs are exclusively on this CD-ROM.

What do you get:-

22Mb	Selected ltmi-pages
52Mb	Graphic programs and data
13Mb	Icons
16Mb	From.. The Party '94"
9Mb	Disk, hard disk, CD-ROM and SCSI
8Mb	Educational programs
18Mb	Terminal programs
23Mb	DICE & Commodore includes
12Mb	Midi programs & Music programs
57Mb	Pictures and animations
119Mb	Fonts for Amiga & TeX-Installation
31Mb	Archives for Psion
41Mb	Modules and fractals
46Mb	NetBSD for Amiga.

Gamers Delight 2

CODE: CD228 PRICE: £24.99

Come play with a whole new world of excitement!

Gamers Delight 2 CD contains 70 commercial games & more than 1,070 freely distributable games.

This CD includes:-

Players (5.58Mb)	
Board Games (18.5Mb)	
Cards (33.5Mb)	* Gags (1.21Mb)
Shoots (4.44Mb)	* Misc (43.5Mb)
Patches (11.5Mb)	* Run and Jump (5.53Mb)
Shooting (16.9Mb)	* Role Playing (18.6Mb)
Thinking (25.2Mb)	* Workbench (2.08Mb)

Commercial Games - Contains even more full versions.

All games come with full documents

OctaMED v6.0

CODE: CD237 PRICE: £29.99

The official Octamed 6 CD has.

Contains the full commercial version of octamed 6, the latest version of this superb music utilities.

In additional the full Walkabout Music' samples collection, (over 1,000.) have been included. To complete are 100's of megs of modules, samples and midi files, fully categorised and ready to run from the CD.

This is a unique opportunity to obtain the best Amiga Music package and as an added bonus we include the full manual all for only.

Includes manual!.

Amiga Tools III

CODE: CD225 PRICE: £24.99

Get ready to run-a-away with this CDROM!

The ***Amiga Tools 3*** CDROM is the third in Michael Haupt's Series and all the programs on the disc are directly executable as the first two discs. There's no need to decrunch or install any of these programs.

Now in English and Germany texts.

This CD includes:-

* Tools	* Hardware Tools
* DTP Tools	* Commodities
* Disk Tools	* Music and Audiotools
* System Tools	* Vector and colourfonts
* Crunch/Decrunch	* Demoversion and
* Network Tools	* Demos
* Virus Tools	* Demoversion of MAXON
* Workbench Tools	* Products
* Grafix Tools	* MUI
* Raytracing Ojects	* Pictures

* Large selection of EPS clipart all ready-to-use direct from the cdrom, no unarchiving req.

Weird Science Animations Volume 1!

CODE: CD098 PRICE: £18.99

Watch some of the best Amiga animations directly from CD.

Contains 100s of animations ready for viewing direct from CD. Formats support-ed: IFF, Movie player, FLI, FLC & Deluxe Video. Viewers for the Amiga and PC. View on ECS and AGA Amigs. See how the experts use the best animation tools on both Amiga and PC.

Weird Science Coloured Artwork Volume 1

CODE: CD236 PRICE: £8.99

All artwork has been computer drawn of generated.

An entire CDROM of coloured generated art. Ideal as coloured clipart.

New Title

LSD Tools 3
CODE: CD213
PRICE: £17.99

Freshfish X
CODE: CD219
PRICE: £17.99

, 17 Bit 5
CODE: CD212
PRICE: £18.99

Fractal 2
CODE: CD209
PRICE: £19.99

Adult 2
CODE: CD206
PRICE: £19.99

Frozenfish
CODE: CD202
PRICE: £19.99

da capo
CODE: CD196
PRICE: £27.99

SuperAutos
CODE: CD192
PRICE: £4.99

UPD Gold
CODE: CD168
PRICE: £24.99

Groliers
CODE: CD163
PRICE: £24.99

Terrasound
CODE: CD143
PRICE: £9.99

Lightworks
CODE: CD141
PRICE: £24.99

Textures
CODE: CD115
PRICE: £39.99

Lightrom 2
CODE: CD114
PRICE: £39.99

GIGA Grx
CODE: CD113
PRICE: £29.99

Demomaina
CODE: CD111
PRICE: £9.99

Gamers Del
CODE: CD110
PRICE: £9.99

Galantic 2
CODE: CD109
PRICE: £9.99

Beauty cha
CODE: CD108
PRICE: £12.99

FreshFish 2
CODE: CD103
PRICE: £14.99

W/S Anims
CODE: CD098
PRICE: £17.99

Emerald Mi
CODE: CD078
PRICE: £12.99

DT Video
CODE: CD077
PRICE: £13.99

Adult Sensa
CODE: CD072
PRICE: £17.99

Ultra Med 1
CODE: CD071
PRICE: £7.99

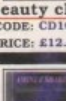
Ultra Med 2
CODE: CD071
PRICE: £7.99

Power Gam
CODE: CD070
PRICE: £9.99

Illusions
CODE: CD067
PRICE: £5.99

Town Tune
CODE: CD066
PRICE: £19.99

Phase 4
CODE: CD065
PRICE: £7.99


Aminet 4
CODE: CD064
PRICE: £4.99

Visions
CODE: CD063
PRICE: £19.99

LSD Tools
CODE: CD062
PRICE: £7.99

Utilities 1
CODE: CD061
PRICE: £9.99

Amok 2&3
CODE: CD059
PRICE: £17.99

Gold Fish 2
CODE: CD058
PRICE: £24.99

Lightrom
CODE: CD057
PRICE: £29.99

C.U.Group
CODE: CD049
PRICE: £19.99

Sound Terr
CODE: CD044
PRICE: £19.99

W/S Fonts
CODE: CD043
PRICE: £7.99

S/W Clipart
CODE: CD042
PRICE: £7.99

Euroscene
CODE: CD039
PRICE: £9.99

Multimed 2
CODE: CD038
PRICE: £17.99

Assassins1
CODE: CD034
PRICE: £4.99

Amos 2
CODE: CD033
PRICE: £19.99

Lock-n-load
CODE: CD026
PRICE: £9.99

Goldfish
CODE: CD010
PRICE: £24.99

Demos 2
CODE: CD009
PRICE: £9.99

CD SOFT
CD ROM SOFTWARE

DISK PRICES (Minimiun order of 5 disks)

5 Disks	For £10.00	(£2.00 a disk)	+ £1.00 For First Class P&P	£11.00
10 Disks	For £17.00	(£1.70 a disk	+ £1.43 For First Class P&P	£17.43
15 Disks	For £21.00	(£1.40 a disk)	+ £1.43 For First Class P&P	£22.43
20 Disks	For £25.50	(£1.25 a disk)	+ £2.45 For First Class P&P	£27.95
25 Disks	For £30.00	(£1.20 a disk)	+ £2.45 For First Class P&P	£32.45

PROGRAMMING + TEK

^* V0298 NORTHC V1.3 (AB)
The latest update on the public domain 'C' environment for the Amiga. Need I am more of it?

^* V0523 DICE C COMPILER (AB)
Contains Matthew Dillons full featured, powerful C compiler and environment system.

^* V0784 AREXX PROGRAMS (AB)
This disk contains several useful ARexx programs and examples. ARCU is the latest of a must have utility.

^* V0786 PASCAL
Contains everything needed to program in Pascal. Includes: 68k 68020 assembler, Blink, linking software and PCQ, a modified version of Blink.

^* V1041 DIGITAL BREAD BOARD
is a full GUI digital logic circuit simulator. Digital Breadboard currently supports AND, NAND, OR, NOR, XOR gates, D, JK, and SR edge triggered flip flops, a pulse generator clock, switched and pulsed inputs, outputs, Vcc, GND, independant 4 channel oscilloscope, event counters, variable timer, preferences printing, and more.

^* V1056 DEVELOPER
Contains the official Commodore developers kits for the Amiga and Commodore Standard utilities.

^* V1060 CIRCUIT BOARD DESIGN
Several terrific routines for the electronic enthusiast. Includes PCBoard, a circuit board design with LogicLab, circuit logic simulator. Mcad v1.2a, a new release of this PD CAD program, now comes with pre drawn common circuit components for easy insertion.

^* V1209 GNU C++ COMPILER (3)
Theses disks consists of the latest version of the GCC environment. They contain the compiler, linker, header files inline code generation of library calls.

^* V1213 PROGRAM LANGUAGES
ACE v1.0, a PD Amiga BASIC interpreter which, in conjunction with AMK & Blink produces stand alone executable's, run time shared libraries are required.

^* V1219 THE AREXX GUIDE
If you are learning Arexx, or simply need some sort of reference guide then this disk is for you. It is a highly informative guide to the powerful programming language Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1227 GADTOOLS KIT (AB)
A standard Amiga shared runtime library which makes a a bit quicker / easier to build standard requesters into Amiga programs. Supplied with CBM's guidelines in mind.

^* V1250 SOLDERING
a tool for those people who enjoy electronics as a hobby or who are studying it, contains a number of articles on electronic components and board types in the form of HYP brushes for use in DPaint or similar programs.

^* V1276 ELE. CIRCUIT DESIGN
A highly technical & accurate tool for designing circuits. A vast number of component types and symbols are supplied with this program enabling the user to create both schematic diagrams & PCB track layouts as well.

^* V1384 HOW TO CODE IN C (AB)
Covers Debugging, Intuition and Graphics, Kickbitvtest, Tips & Tricks, Amiga Assembly, Interfaces, Intuition, WB start, DMAtic, GadToolsBox and Power Source.

^* V1430 N.D.U.V 37 (ABCD)
Portsman's Network Commodore / Amiga Developer Update Kit that can be licensed for distribution. Includes the fil files, clipart, stamps, C include files, and tools.

^* V1310 AMIGAGUIDE
Archive distribution of the Amiga Guide hypertext utilities to direct from Commodore. Contains developer examples and tools for AmigaGuide under V34/V37 and V39, plus a new free print/spool send in distribution license for AmigaGuide, amigaguide.library, multiview, command, pageg Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1327 GAD TOOLS KIT (AB)
A standard Amiga shared runtime library which makes a a bit quicker / easier to build standard requesters into Amiga programs. Supplied with CBM's guidelines in mind.

^* V1250 SOLDERING
a tool for those people who enjoy electronics as a hobby or who are studying it, contains a number of articles on electronic components and board types in the form of HYP brushes for use in DPaint or similar programs.

^* V1276 ELE. CIRCUIT DESIGN
A highly technical & accurate tool for designing circuits. A vast number of component types and symbols are supplied with this program enabling the user to create both schematic diagrams & PCB track layouts as well.

^* V1384 HOW TO CODE IN C (AB)
Covers Debugging, Intuition and Graphics, Kickbitvtest, Tips & Tricks, Amiga Assembly, Interfaces, Intuition, WB start, DMAtic, GadToolsBox and Power Source.

^* V1430 N.D.U.V 37 (ABCD)
Portsman's Network Commodore / Amiga Developer Update Kit that can be licensed for distribution. Includes the fil files, clipart, stamps, C include files, and tools.

^* V1310 AMIGAGUIDE
Archive distribution of the Amiga Guide hypertext utilities to direct from Commodore. Contains developer examples and tools for AmigaGuide under V34/V37 and V39, plus a new free print/spool send in distribution license for AmigaGuide, amigaguide.library, multiview, command, pageg Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1647 SECTOR EDITING UTILS
a selection of Sector, Track, Device and Binary editors, they all Programs like XZap v1.0, Ded v1.0, Ded v1.0, Cycheh v1.0, DeviceLock v1.2, Dfrags v3.12, NewZAP v3.3 and TrackdiskPatch v1.0. Req use of LHA

^* V1672 C SHELL V5.1
CShell is a replacement for the AmigaDOS command line interface. Many builtin Unix like commands, very fast rexx language, file name completion, programmable command line editing, pattern matching, AUX: mode, object oriented file classes, definition of internal and external commands.

^* V1876 MOTOROLA FREEWARE 68XX CROSS ASSEMBLER'S v2.0
These are the complete sources of the freeware cross assembler's, as posted on the Freenet. The assembler's cover the 6800, 6801, 6804, 6805, 6809, and 6811 microprocessors and music controllers.

^* V1877 DISECT V1.7
is a very powerful combined disassembler/debugger, which is easy to use. Its great power is achieved at the expense of memory, the minimum requirement is 1Mb; for larger projects, 2Mb will be required. The programmer reduces the memory requirements its use to assist in illegal copping software.

^* V1905 MATHS FORMULA EDIT V2.1
MathScript is a formula editor, which is used to integrate mathematical formulas into word processors or DTP programs. It has an extensive range of mathematical and physical symbols and many control codes for creating fractions, roots, exponents.

^* V1909 REQCHANGE V3.6
Patches Intuition, ASL, ARP & RTG to use the Req Tools requesters instead. It also adds a couple of extra features, Assign Monitor which allows you to assign ARexx commands when a patched requester appears, & several options to configure how the patches behave.

^* V1910 MOTOROLA CROSS ASSEMBLER'S V2.0
Assembler's A50,1,4,5,9,11.

UTILS & POPULAR

^* V1362 CHECKERS TOOLBOX
Checkers Debugging Library system. Runs itself test on all chips, all the ports and even the disk drive! All your hardware is tested and displayed in graphical information. The Amiga owner should have a copy! Find out what is wrong with your Amiga before going to the repairers and fix it fixed. It may save you a bob or two!

^* V1405 VIRTUAL UTILITIES
Contains 5 utils containing everything needed for any Amiga user to make virtual memory from their hard drive. Has a unique & intuitive thinking it has massive amounts of RAM when really it only has a small amount mapped to the hard disk.

^* V1719 TELETEXT V2.3
View Teletext (also known as Teletext, Videotext, Ceefax, Oracle, Interactive Systems) pages on your Amiga, suitable for any PAL Amiga (read it! System requirements link systems req) for more info, because it uses the parallel interface with a special cable. Also an electronic switch is provided to easily switch between the TeleTechnician and a printer.

^* V1335 LIBARIES & DATATYPES
This is a disk packed full of Amiga Workbench 3.0 Libraries and Datatypes. There's 43 Libraries from A to Z all these are compressed & will need to be decrunched to be installed. The disk also have installation notes to aid Novice users, also files in the S and Devs/DosDrivers drawers that can be copied or assigned.

^* V1641 SUPER KILLERS V10.0
The latest collection of virus killers. Runs AmiCicleVir v2.26, Virus Checker v6.38, VirusZ II v1.07, and VT v2.67. Req the use of LHA which is in the c directory.

^* V1017 POST V1.86ENH (ABC)
PostScript interpreter, which supports the full Adobe language. Supports Adobe type 1 and type 3 fonts, screen output, file output, and printer output.

^* V1593 EPU DISK STAKKER V1.7
Double your hard drive capacity by installing EPU. After installing EPU to any device (Hard Disk, Floppy, Ram etc) every file which will be written to the device will be compressed & when any compressed file is read by any application it will be decompressed.

^* V1039 HD INSTALLER (AB)
Bought an A1200 machine and are having trouble with your hard drive bits not install it correctly.

^* V1095 THE DISK DOCTORS
If you have trouble running older software on an A1200 or A4000(030/040) machine give this disk a try it provides emulation of the Amiga machine in various forms.

^* V1136 DISK SALVE 2
Repair your hard drive with this, recommended.

^* V1326 C: COMMANDS & LIBS
The C: and L:IBS disk contains over 100 commands lie within the C directory, Over 20 LIBRARY's are within the LIBS directory. Use them for your disks. They can be used to space the disk up in appearance and in usage.

^* V0490 MESSY SID II
once loaded will read MS Dos disks. Convert any text (asc) files on to the Amiga disk so that they can be loaded into any standard Word processor. The program will also convert the text back your IBM disks.

^* V1617 SNOOPDOS V3.2
Ugly's all the dos/library calls and more when you run a program. This is handy for both the programmer and the beginner. Have you ever installed a program to your harddrive and then discovered that it will not run without a certain library. Snoopdos will tell you!

^* V1928 VIRUS WORKSHOP V4.8
This is the one and only Virus Workshop by Markus Schmall. Now in the Version 4.8. Test it!

^* V1927 SNOOPER
A program to stop the Flickering when you use the Amiga in Hi res move.

^* V1669 TUDE V1.0
is a very extensive and very easy way of degrading your machine for all sorts of purposes. It is useful for playing old game on A1200 for example which need kickstart 1.3. There is a GUI version included as well as a CLI version so most people will have no trouble using it. A highly useful addition to any collection. Good.

^* V1523 RELOKICK V1.41
ANOTHER(!) version of RelokKick. Galahad of Dual Crew did RelokKick, this has attempted to improve on that!.

^* V1354 FIVE STAR V1.0
Demo version of a powerful prediction tool for LOTTO, POOLS, SWEEP, DIGIT (eg 4d) and HORSE (races) systems available soon.

^* V1356 NOERRORS V1.3
Its main function is to hide physical disk errors from floppy disks and hard disks, so that they can then be used without DOS showing read/write errors.

^* V0662 DCOPY V1.1
Best PD copier on the market. No new Features over 2 but has been updated with new code information.

^* V1354 FIVE STAR V1.0
Demo version of a powerful prediction tool for LOTTO, POOLS, SWEEP, DIGIT (eg 4d) and HORSE (races) systems available soon.

^* V1356 NOERRORS V1.3
Its main function is to hide physical disk errors from floppy disks and hard disks, so that they can then be used without DOS showing read/write errors.

^* V0662 DCOPY V1.1
Best PD copier on the market. No new Features over 2 but has been updated with new code information.

^* V1209 GNU C++ COMPILER (3)
Theses disks consists of the latest version of the GCC environment. They contain the compiler, linker, header files inline code generation of library calls.

^* V1213 PROGRAM LANGUAGES
ACE v1.0, a PD Amiga BASIC interpreter which, in conjunction with AMK & Blink produces stand alone executable's, run time shared libraries are required.

^* V1219 THE AREXX GUIDE
If you are learning Arexx, or simply need some sort of reference guide then this disk is for you. It is a highly informative guide to the powerful programming language Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1227 GAD TOOLS KIT (AB)
A standard Amiga shared runtime library which makes a a bit quicker / easier to build standard requesters into Amiga programs. Supplied with CBM's guidelines in mind.

^* V1250 SOLDERING
a tool for those people who enjoy electronics as a hobby or who are studying it, contains a number of articles on electronic components and board types in the form of HYP brushes for use in DPaint or similar programs.

^* V1276 ELE. CIRCUIT DESIGN
A highly technical & accurate tool for designing circuits. A vast number of component types and symbols are supplied with this program enabling the user to create both schematic diagrams & PCB track layouts as well.

^* V1384 HOW TO CODE IN C (AB)
Covers Debugging, Intuition and Graphics, Kickbitvtest, Tips & Tricks, Amiga Assembly, Interfaces, Intuition, WB start, DMAtic, GadToolsBox and Power Source.

^* V1430 N.D.U.V 37 (ABCD)
Portsman's Network Commodore / Amiga Developer Update Kit that can be licensed for distribution. Includes the fil files, clipart, stamps, C include files, and tools.

^* V1310 AMIGAGUIDE
Archive distribution of the Amiga Guide hypertext utilities to direct from Commodore. Contains developer examples and tools for AmigaGuide under V34/V37 and V39, plus a new free print/spool send in distribution license for AmigaGuide, amigaguide.library, multiview, command, pageg Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1647 SECTOR EDITING UTILS
a selection of Sector, Track, Device and Binary editors, they all Programs like XZap v1.0, Ded v1.0, Ded v1.0, Cycheh v1.0, DeviceLock v1.2, Dfrags v3.12, NewZAP v3.3 and TrackdiskPatch v1.0. Req use of LHA

^* V1672 C SHELL V5.1
CShell is a replacement for the AmigaDOS command line interface. Many builtin Unix like commands, very fast rexx language, file name completion, programmable command line editing, pattern matching, AUX: mode, object oriented file classes, definition of internal and external commands.

^* V1876 MOTOROLA FREEWARE 68XX CROSS ASSEMBLER'S v2.0
These are the complete sources of the freeware cross assembler's, as posted on the Freenet. The assembler's cover the 6800, 6801, 6804, 6805, 6809, and 6811 microprocessors and music controllers.

^* V1877 DISECT V1.7
is a very powerful combined disassembler/debugger, which is easy to use. Its great power is achieved at the expense of memory, the minimum requirement is 1Mb; for larger projects, 2Mb will be required. The programmer reduces the memory requirements its use to assist in illegal copping software.

^* V1905 MATHS FORMULA EDIT V2.1
MathScript is a formula editor, which is used to integrate mathematical formulas into word processors or DTP programs. It has an extensive range of mathematical and physical symbols and many control codes for creating fractions, roots, exponents.

^* V1909 REQCHANGE V3.6
Patches Intuition, ASL, ARP & RTG to use the Req Tools requesters instead. It also adds a couple of extra features, Assign Monitor which allows you to assign ARexx commands when a patched requester appears, & several options to configure how the patches behave.

^* V1910 MOTOROLA CROSS ASSEMBLER'S V2.0
Assembler's A50,1,4,5,9,11.

UTILS & POPULAR

^* V1362 CHECKERS TOOLBOX
Checkers Debugging Library system. Runs itself test on all chips, all the ports and even the disk drive! All your hardware is tested and displayed in graphical information. The Amiga owner should have a copy! Find out what is wrong with your Amiga before going to the repairers and fix it fixed. It may save you a bob or two!

^* V1405 VIRTUAL UTILITIES
Contains 5 utils containing everything needed for any Amiga user to make virtual memory from their hard drive. Has a unique & intuitive thinking it has massive amounts of RAM when really it only has a small amount mapped to the hard disk.

^* V1719 TELETEXT V2.3
View Teletext (also known as Teletext, Videotext, Ceefax, Oracle, Interactive Systems) pages on your Amiga, suitable for any PAL Amiga (read it! System requirements link systems req) for more info, because it uses the parallel interface with a special cable. Also an electronic switch is provided to easily switch between the TeleTechnician and a printer.

^* V1335 LIBARIES & DATATYPES
This is a disk packed full of Amiga Workbench 3.0 Libraries and Datatypes. There's 43 Libraries from A to Z all these are compressed & will need to be decrunched to be installed. The disk also have installation notes to aid Novice users, also files in the S and Devs/DosDrivers drawers that can be copied or assigned.

^* V1641 SUPER KILLERS V10.0
The latest collection of virus killers. Runs AmiCicleVir v2.26, Virus Checker v6.38, VirusZ II v1.07, and VT v2.67. Req the use of LHA which is in the c directory.

^* V1017 POST V1.86ENH (ABC)
PostScript interpreter, which supports the full Adobe language. Supports Adobe type 1 and type 3 fonts, screen output, file output, and printer output.

^* V1593 EPU DISK STAKKER V1.7
Double your hard drive capacity by installing EPU. After installing EPU to any device (Hard Disk, Floppy, Ram etc) every file which will be written to the device will be compressed & when any compressed file is read by any application it will be decompressed.

^* V1039 HD INSTALLER (AB)
Bought an A1200 machine and are having trouble with

OFFICE & PRINT

^* V0575 HOME BUSINESS PACK (6)
QED, Text editor. Text Plus 2.2E, Word Processor AZSpell, Spell Checker & Dictionary. BBase, A Database program. DATA EASY, Another database. BizCale, Loan calc. LCD, Calc. SPREAD, Spreadsheet. Budget, Budget manager. UNITS, Various conversions. CLERK, Small business accounts. SUPERDUPER, FLASHICOPY, Copiers. TYPIST, Typing Tutor. PRINT MANAGER, Utilities. PRINT STUDIO, Printing Tools. (6 disks)

^* V1111 PRINT LABELS UTILS
Includes various programs like DOS DUMP v2.1, INVELABEL v1.20, ENVELOPE MAKER v1.4, MC MASTER v1.1, BANNER v1.0, LABEL PRINT

^* V1279 PRINT A CARD
Want to print out a birthday or any other type of card then this is the software for you.

^* V1222 PANASONIC STUDIO
The Panasonic range of printers and matching printers with the Commodore Amiga personal computer.

^* V1236 INVOICE PRINTER
invoice printing that we help and any small business.

^* V0993 LETTER QUICK
Its the all rounder do everything, all knowing, all seeing?? Well lets just say its very good.

^* V1147 FILE MASTER
was designed to enable computer operators to be able to work at their leisure without worrying about forgetting those important appointments. It will help you to do any particular day or locating business colleagues tele no's.

^* V1467 AWARD CONSTRUCT
A very large collection of Awards, for your own awards and certificates. There are many styles, fonts and graphics to choose from, could also be used to make small posters, greetings cards, etc. Most easy and very effective.

^* V1069 PRINTER DRIVERS HP
Deskjet 550 colour driver, Deskjet 500, Deskjet 500c, Bacon HP, Deskjet 500 mono, Deskjet 500c mono, BJ130, BJ10e, Canon, A8, Canon P3 1080a, HP Paintjet.

^* V1278 MAIL-O-DEX
An excellent address book, address, Phone numbers, comments etc and then print out labels loads of them in 1,2,3 and 4 columns.

^* V0993 LETTER PRINTING
BANNER v1.4, GRAPH PAPER v1.2, DISK PRINT

^* V1357 CITIZEN MANAGER
The Citizen Print Manager has been designed in conjunction with the Citizen 120D.

^* V1051 EASY CALC PLUS
is a spreadsheet designed to be both easy to use and fast If the programmer is prepared to be both easy to use and fast. Unlike other software where the author writes the program first, then bolts on a help system, I have designed the help into the program from the beginning.

^* V1184 AMIGA DIARY
Amiga Diary is a modern desk diary capable of storing all personal appointments and reminders for all those forgotten birthdays, missed appointments etc.

^* V0366 600 BUSINESS LETTERS
Over 600 letters for all occasions in this disk. Can be used as they are or insert parts into your own letters

^* V0782 FORMS UNLIMITED
Designed to help you design and print different forms. There are a number of options and controls which allow you to draw simple boxes, lines, etc in order to create forms for your own purposes. Good.

^* V0390 AMIGA FOX DTP
The first amiga PD Desk Top Publishing program. Features include Multiple windows, the old Word processor, Text Editor, Graphics editor and loads more.

^* V1680 AWARD MAKER 1
This is a very good tool for the creation and printing of awards for your own use. There are hundreds of types to choose from then you can choose a font a border and also some of the many clipart symbols.

^* V1751 PRINTER DRIVERS
CANON600 v2.0: EPSON FX 850 v1.0 & LX 800, HPdriver v1.0, HPLASERJET v2.01

^* V1858 DB V2.3
Small/fast database program that I wrote after having tested numerous other PD database program and always found something that was missing in them. This program have dozens of features not found in th, but they lacked fast sensitive help & standard ASL look & feel.

^* V1862 INVOICE DATABASE V2
Intra is a rather simple, but therefore easy to use database program which is specially designed to deal with invoice information. Everybody, as we like it

^* V1865 LEGAL FORM GENERATR
Generates custom do it yourself legal forms. Database includes forms for real estate, small businesses, landlords, employers, etc. Can save you THOUSANDS.

3D & GRAPHICS

^* V1247 TEXTURE MAPS (ABC)
A collection of textures for use with the any program that will take high res textures.

^* V1116 ICON BUDDY (AB)
Here's some features of the new interface: Draggable and Sizeable text and index windows - Button Gadgets for Index, Search and Main Menu - Improved Searching The text is now positioned at matching hypertext links and all matches are highlighted for visibility.

^* V1811 IMAGESTUDIO V2.0
is written for the casual graphics user who wishes to convert and manipulate graphics files without the use of modest Amiga system. There are several commercial offerings available, however the casual user is paying a lot of money for features and facilities which he would probably never use.

^* V1886 DUST SPHERICAL WAVES
This package encompasses one of the new Dust features spherical 3D waves. The source object, the Dust script and the camera path movement are included.

^* V1887 FACE MAP
Using a scanned photo of a face as a breadmap for a human head object. The object is screwdrives head, definitely not my best work. Still, it could lead somebody digitized and turned into an Imagine object.

^* V1889 3D OBJECTS FOR LIGHT-WAVE (ABC)
686 module, Airbrush, Artbrush, Candle, Candleflame, CDeal!, chantreq, lasoprinter, laser printer toy, Paper toy for kids, Scanner, Screenblank, Sphere, Spheremap, skydome, smoothlight, streetlightbeam.

^* V1891 IMAGEDESK V1.6
is a program for manipulating brushes/pictures by generating small representants of the pictures, so called thumbnails.

^* V1906 PHOTOCD ACCESS
PicKit v1.0, PhotoCD Tools, PhotoCD Tx. You may view PCDfiles, save PCDfiles as PPM, JPEG, IFF (24bit, HAM8, HAM6, ...) to a filesystem.

^* V1907 RAY TRACER
Renders on a window on a public screen (even Workbench) with colour sharing, simple HAM/HAM8 support and support for 24bit screen and renders in direct Colour (15/16/24bit) if possible.

^* V1911 PHOTOGENICS V1.2D
save drawings in IFF format, load IFF and control of the final package. More importantly, you can play with the package to try out the new features and get a feel for it.

^* V1912 ROCKET V1.0
This is an Amiga port of an X11 structured drawing tool that lets the user interactively create and manipulate objects organized in a hierarchical manner. Supported objects include circles, rectangles, splines, bitmaps, and user-defined objects. Rocket can produce output in several different formats, including encapsulated PostScript, IBMGL (HPGL), Pic, PCTeX, LaTeX, box, epic, eepic, eepicemu, texsyl, tpic, X11 Bitmap, X11 Pixmap and gif.

^* V1922 REAL 3D V2.X OBJECTS
Objects are pretty large in size, especially the 4 cylinder engine, you might run out of memory pretty fast. My machine has 4 MB Fast RAM and started with 18MB RAM, and I can now anyrace all of my objects.

^* V1925 SPACEDOCK STATION
1.1 Mb, so you'll need a healthy chunk of memory. * No Stars! * Some of the objects have very large things as small as possible. * Space Doors open using the new States function. * Marquee of Space Door lights.

COMMS

Why not check out our BBS support lines (0181) 6656629 call The MYTH & MAGIC BBS Today.

^* V1745 TERM V3.5 (ABC)
latest version of this very well known comms terminal program. Version 4 has even more features and although it is not yet complete it is probably the best available.

^* V0979 NCOMM V3.0
is a comms program based on version v1.34 with lots of very nice additions, especially the ARexx support.

^* V1722 AMIGA TO PSION S3/A
is a implementation of the Psion link protocol which is e.g. built into the Psion Series 3/S3a, ROM. It's main purpose is to provide vice versa m5s like file access.

^* V1852 FINALFAX 95
This is one of those arexx macros which are very handy for automating the more tedious jobs on your Amiga. This one allows you to select options for GPFax from within Final Writer. That means that there is no need to switch from Final Writer to Workbench.

EDUCATION

your hard drive bits not install it correctly.

^* V1095 THE DISK DOCTORS
If you have trouble running older software on an A1200 or A4000(030/040) machine give this disk a try it provides emulation of the Amiga machine in various forms.

^* V1136 DISK SALVE 2
Repair your hard drive with this, recommended.

^* V1326 C: COMMANDS & LIBS
The C: and L:IBS disk contains over 100 commands lie within the C directory, Over 20 LIBRARY's are within the LIBS directory. Use them for your disks. They can be used to space the disk up in appearance and in usage.

^* V0490 MESSY SID II
once loaded will read MS Dos disks. Convert any text (asc) files on to the Amiga disk so that they can be loaded into any standard Word processor. The program will also convert the text back your IBM disks.

^* V1617 SNOOPDOS V3.2
Patches Intuition, ASL, ARP & RTG to use the Req Tools requesters instead. It also adds a couple of extra features, Assign Monitor which allows you to assign ARexx commands when a patched requester appears, & several options to configure how the patches behave.

^* V1928 VIRUS WORKSHOP V4.8
This is the one and only Virus Workshop by Markus Schmall. Now in the Version 4.8. Test it!

^* V1927 SNOOPER
A program to stop the Flickering when you use the Amiga in Hi res move.

^* V1669 TUDE V1.0
is a very extensive and very easy way of degrading your machine for all sorts of purposes. It is useful for playing old game on A1200 for example which need kickstart 1.3. There is a GUI version included as well as a CLI version so most people will have no trouble using it. A highly useful addition to any collection. Good.

^* V1523 RELOKICK V1.41
ANOTHER(!) version of RelokKick. Galahad of Dual Crew did RelokKick, this has attempted to improve on that!.

^* V1354 FIVE STAR V1.0
Demo version of a powerful prediction tool for LOTTO, POOLS, SWEEP, DIGIT (eg 4d) and HORSE (races) systems available soon.

^* V1356 NOERRORS V1.3
Its main function is to hide physical disk errors from floppy disks and hard disks, so that they can then be used without DOS showing read/write errors.

^* V0662 DCOPY V1.1
Best PD copier on the market. No new Features over 2 but has been updated with new code information.

^* V1209 GNU C++ COMPILER (3)
Theses disks consists of the latest version of the GCC environment. They contain the compiler, linker, header files inline code generation of library calls.

^* V1213 PROGRAM LANGUAGES
ACE v1.0, a PD Amiga BASIC interpreter which, in conjunction with AMK & Blink produces stand alone executable's, run time shared libraries are required.

^* V1219 THE AREXX GUIDE
If you are learning Arexx, or simply need some sort of reference guide then this disk is for you. It is a highly informative guide to the powerful programming language Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1227 GAD TOOLS KIT (AB)
A standard Amiga shared runtime library which makes a a bit quicker / easier to build standard requesters into Amiga programs. Supplied with CBM's guidelines in mind.

^* V1250 SOLDERING
a tool for those people who enjoy electronics as a hobby or who are studying it, contains a number of articles on electronic components and board types in the form of HYP brushes for use in DPaint or similar programs.

^* V1276 ELE. CIRCUIT DESIGN
A highly technical & accurate tool for designing circuits. A vast number of component types and symbols are supplied with this program enabling the user to create both schematic diagrams & PCB track layouts as well.

^* V1384 HOW TO CODE IN C (AB)
Covers Debugging, Intuition and Graphics, Kickbitvtest, Tips & Tricks, Amiga Assembly, Interfaces, Intuition, WB start, DMAtic, GadToolsBox and Power Source.

^* V1430 N.D.U.V 37 (ABCD)
Portsman's Network Commodore / Amiga Developer Update Kit that can be licensed for distribution. Includes the fil files, clipart, stamps, C include files, and tools.

^* V1310 AMIGAGUIDE
Archive distribution of the Amiga Guide hypertext utilities to direct from Commodore. Contains developer examples and tools for AmigaGuide under V34/V37 and V39, plus a new free print/spool send in distribution license for AmigaGuide, amigaguide.library, multiview, command, pageg Arexx, uses Amiga guide system which is easy to use and a very effective way of presenting information.

^* V1647 SECTOR EDITING UTILS
a selection of Sector, Track, Device and Binary editors, they all Programs like XZap v1.0, Ded v1.0, Ded v1.0, Cycheh v1.0, DeviceLock v1.2, Dfrags v3.12, NewZAP v3.3 and TrackdiskPatch v1.0. Req use of LHA

^* V1672 C SHELL V5.1
CShell is a replacement for the AmigaDOS command line interface. Many builtin Unix like commands, very fast rexx language, file name completion, programmable command line editing, pattern matching, AUX: mode, object oriented file classes, definition of internal and external commands.

^* V1876 MOTOROLA FREEWARE 68XX CROSS ASSEMBLER'S v2.0
These are the complete sources of the freeware cross assembler's, as posted on the Freenet. The assembler's cover the 6800, 6801, 6804, 6805, 6809, and 6811 microprocessors and music controllers.

^* V1877 DISECT V1.7
is a very powerful combined disassembler/debugger, which is easy to use. Its great power is achieved at the expense of memory, the minimum requirement is 1Mb; for larger projects, 2Mb will be required. The programmer reduces the memory requirements its use to assist in illegal copping software.

^* V1905 MATHS FORMULA EDIT V2.1
MathScript is a formula editor, which is used to integrate mathematical formulas into word processors or DTP programs. It has an extensive range of mathematical and physical symbols and many control codes for creating fractions, roots, exponents.

^* V1909 REQCHANGE V3.6
Patches Intuition, ASL, ARP & RTG to use the Req Tools requesters instead. It also adds a couple of extra features, Assign Monitor which allows you to assign ARexx commands when a patched requester appears, & several options to configure how the patches behave.

^* V1910 MOTOROLA CROSS ASSEMBLER'S V2.0
Assembler's A50,1,4,5,9,11.

UTILS & POPULAR

^* V1362 CHECKERS TOOLBOX
Checkers Debugging Library system. Runs itself test on all chips, all the ports and even the disk drive! All your hardware is tested and displayed in graphical information. The Amiga owner should have a copy! Find out what is wrong with your Amiga before going to the repairers and fix it fixed. It may save you a bob or two!

^* V1405 VIRTUAL UTILITIES
Contains 5 utils containing everything needed for any Amiga user to make virtual memory from their hard drive. Has a unique & intuitive thinking it has massive amounts of RAM when really it only has a small amount mapped to the hard disk.

^* V1719 TELETEXT V2.3
View Teletext (also known as Teletext, Videotext, Ceefax, Oracle, Interactive Systems) pages on your Amiga, suitable for any PAL Amiga (read it! System requirements link systems req) for more info, because it uses the parallel interface with a special cable. Also an electronic switch is provided to easily switch between the TeleTechnician and a printer.

^* V1335 LIBARIES & DATATYPES
This is a disk packed full of Amiga Workbench 3.0 Libraries and Datatypes. There's 43 Libraries from A to Z all these are compressed & will need to be decrunched to be installed. The disk also have installation notes to aid Novice users, also files in the S and Devs/DosDrivers drawers that can be copied or assigned.

^* V1641 SUPER KILLERS V10.0
The latest collection of virus killers. Runs AmiCicleVir v2.26, Virus Checker v6.38, VirusZ II v1.07, and VT v2.67. Req the use of LHA which is in the c directory.

^* V1017 POST V1.86ENH (ABC)
PostScript interpreter, which supports the full Adobe language. Supports Adobe type 1 and type 3 fonts, screen output, file output, and printer output.

^* V1593 EPU DISK STAKKER V1.7
Double your hard drive capacity by installing EPU. After installing EPU to any device (Hard Disk, Floppy, Ram etc) every file which will be written to the device will be compressed & when any compressed file is read by any application it will be decompressed.

^* V1039 HD INSTALLER (AB)
Bought an A1200 machine and are having trouble with

MAGIC W/B & WORKBENCH

^* V1839 MAGIC WORKBENCH 1.2
A superb utility! completely wipes over all those horrible workbench screens, replacing them with new ones. It also adds patterns and changes your workbench fonts. The end result is a much more attractive workbench. Includes 50 new patterns and fonts!

^* V1834 MAGIC W/B PALETTE
version of MAGIC W/B! palettes 35 sets!.. Pretty Magic Workbench icons for use and verify.

^* V1808 ROMAN MWB ICONS 7
New, high quality, standard size, MAGIC W/B2.0 style Icons/Image drawers/Tools/Disks/Utilities.

^* V1360 WB2 TUTORIAL
There is a lot more options open to you than just playing games. In the chapters Files Explained & Menus, attempt to explain workings of WB2.as the manuals supplied with your Amiga.

^* V1109 STAR VIEW V1.0
StarView is a mouse operated program designed to show graphical representations of stars and planets from any point on the earth. Most stars above magnitude 4.5 are shown since Hipparcos has more than 100 with their proper names. The outlines and name

^* V1420 SIGNATURE CREATOR
The Deluxe Paint Signature Creator Creator! You get a selection of letters for use in your new signature, simply note down the numbers of your choices then load dpaint or a compatible program, load the font and the letters stored in a drawer on this disk called letter brushes. you'll have a signature to be proud of in no time!!.

^* V1242 RE ORG V3.1!
is a fast disk optimizer that can be used for floppy disks and hard disks. Supports new Kickstart 2.04 features including hard disk partitions and multiple drives.

^* V0685 APRO ASTROLOGY V3.5
Astro_22 as released is a starter program which accurately calculates the positions of the planets, from the zodiac positions to within 30 seconds of arc. I intend to increase the usefulness of the program to eventually cover all aspects of astrology. It is not a program for professional as well as novice astrologers not wishing to pay 200s for a professional program. Good version

^* V1110 FORECASTER V2.02A
is a Horse Racing prediction program which uses statistical analysis of major factors including course/distance winner, past form weight, age, going etc. All a given race and uses data stored to evaluate each horses 'score'.

^* V1111 WEATHER FORECAST
DEMO - This the most up to date Football forecast program to predict the results of football matches.

^* V0489 AMIBASE PRO II
This is the latest version which is an update

^* V0827 REPAIR IT V2.01
An essential set of tools for recovery. Disk speed reports the speed of a disk drive and verify to see if it is working as much data as possible from a corrupt disk. HDTool will install the OS1 disk caching and FFS to the hard drive of a lesser version.

^* V1661 NATIONAL LOTTERY
This is a national lottery prediction program called Lottery Winner. It is very easy to use and very clever. It can record the National Lottery results from week to week until it has sufficient data to make certain types of predictions or just a random choice. Good.

^* V1679 COP THE LOT
Lottery prediction/database which can store the previous lottery results and also generate random numbers etc.

^* V1771 COURSE FORM
Like to put a bit of money on the horses? This utility allows you to create a database of the horses, a particular race, plus the course details, and then it will try to predict the winner of the race. Good.

^* V1778 LOTTO CHECKER
is a great tool for checking lottery numbers. Good for office syndicates. Find "A" Date is a database which stores and matches up to 7 lotto numbers. Stacker is used to view and change binary files, technical users are always finding this program useful.

^* V1836 MRBACKUP V2.1.4
is a hard disk backup program for the Commodore Amiga family of computers. It provides a wide range of services to support the archiving, management and backup/restore of files to/from hard disk.

^* V1837 DISK DOUBLING V1.9B
This package doubles the capacity of your partitions pr your HD. Files stored in such partitions get automatically compressed and decompressed whenever you access them, in a transparent way.

^* V1838 VMM V3.0
A virtual memory manager for Amigas with a 68040/68030 or 68020 + 68851.

^* V1847 DIALLING CODES V2.00
This small utility will tell you the source of any dialling code or it will tell you the dialling code for any city that you enter as well. Very useful for comms people or just handy for those who write a lot.

^* V1860 GENTREE (AB)
Genealogical/Family Tree program. Organise, & maintain your family tree. Each family tree can contain an unlimited number of people. Each person can have pictures, sounds, & text associated with himher.

^* V1899 TSO II V2.2
can be used to copy floppy disks and hard disks in order to speed up directory and file accesses.

^* V1932 X-FILES GUIDE
The X-Files Guide is a collection of very useful information if you are interested in the x-files. It contains over 670k worth of text, ranging from episodes 1 and 2 to the x-files transcripts. There is a survey you can fill in and send off to the author of the disk.

^* V1933 PROJECT UFO (A-F)
Project UFO is a database of UFO sightings! Mainly being UFO's. In this six disk set it contains reports from all over the world of sightings of UFO's some even from over one hundred years ago.

^* V1949 MORE HD INSTALLERS
This disk contains the latest installers for the following games: - AB-Ski, Alien Breed, Bump 'n' Burn, Naugh

esp

The man with the name that reminds you of ***surfing poets*** is back with this month's letter-filled mailbag

Keep those letters coming! If you can't be bothered to find a bit of paper and a stamp, why not e-mail us? Simply point your mailer to: ESP@acomp.demon.co.uk There's a £50 pound prize for the best letter printed as an incentive

DUTCH DOSH

As a dedicated Amiga user (I own an A2000, an A3000 and a CD32) I read a lot of magazines and keep back issues. Every now and then I pick up one of the older mags and re-read it. And yesterday I picked up an *Amiga Computing* from December 1989 and saw an ad from Silica. This ad shows an unexpanded A500 which could be yours for £399. And we're only talking about a simple A500 with Kickstart 1.3, 512K of RAM and a humble 68000 processor. This was a price we all paid without complaining and I dare say loads of current Amiga users started off with this machine.

Now it's 1995. Six years later. Silica had an ad in the November 1995 issue of *Amiga Computing* offering an oh so beautiful A1200 at exactly the same price as the A500 in the previous ad. But this machine offers a much better processor (68020), more RAM (2Mb), more expandability, 32-bit technology, Kickstart 3.1, bags of colours, and a really good software bundle.

So I don't understand all the complaints. I agree with the fact that personal computers are falling in price, but bear in mind that those specifications are not as massive as they seem. I know many Amiga users who love the idea of having 4Mb RAM in their machines, but settling for a 4Mb PC means a really poor PC. Not really able to multitask (Windows 95 needs at least 8Mb RAM to run WordPerfect 6.0 and a really small game), a pain in the neck when it comes to user-friendliness, and that nice PC salesman who smiles as he offers you a free 200Mb hard drive isn't being that friendly – the disk will be full within two or three weeks.

I agree that the good old A4000T is too expensive, but look at its specifications (68040/25, 2Mb Chip, 4Mb Fast, Kickstart 3.1, bags of colours, 1.2Gb SCSI hard drive, SCSI controller and the tower case) and it doesn't seem so expensive. Just remember the old days (back to 1989) when a humble A2000 would set you back a massive £1259 with 1Mb RAM, Kickstart 1.3 and a 68000. To get it up and running you needed at least a RAM expansion to get it to 1Mb Chip and 2Mb Fast, you needed an A2091 SCSI controller card and if you wanted that size hard drive it would set you back an awful lot of money. I'm sure it would even exceed the A4000T price of £2199.

I'm not saying the A4000T is a gift. It really is a lot of money, but I think that people in business would pay it. For example, take the great 3D modeller Real 3D. The PC version of this product costs around £800. Add to this the cost of a PC with at least 16Mb RAM and I think you will agree, the A4000T is worth considering. Don't forget that the Amiga really multitasks and in less RAM than a PC, and RAM makes machines expensive.

LAUGH

Windows 95 looks good, but is actually worse to use than Workbench 1.3. Just laugh at all your PC-owning friends. Ask them what they have paid to be able to connect their PC to a video, then tell them what an Amiga to SCART cable costs. Just ask them the price they paid for their soundblaster and turn on your machine and play an eight track MED song while saying that the Amiga doesn't need anything to be able to make music. Show what your computer can do, show them the excellent document publishers, the awesome drawing tools, the perfect music programs. But don't just show them, let them use your machine and see how easy it is.

So, Amiga users – stop crying and start buying. Show Escom they were right to buy Commodore. Show the world that the Amiga is capable of things the PC is only just starting to do. Show them that we were multitasking when they were still looking at green screens. Show them that multimedia was invented in the '80s, not the 90's, and take out your Amiga magazines. Read them on the bus, on the train, in the park, and let them see the name of our computer.

Bert Volders, Den Andel, Netherlands

The crowd roars with approval! Bert, have you ever thought of going into politics? That last bit was definitely reminiscent of the "...We will fight them on the beaches..." speech by Churchill. What you say is quite correct. I, for one, was quite disappointed when I learned of Escom's pricing policy for both machines, but, on reflection, you are still getting one hell of a bang for your buck.

Everybody always compares Amiga hardware pricing directly with PC hardware pricing, but as you say, the hardware is only the start of it. When it comes down to it, the machine you buy should reflect what you want to do with it. The Amiga is also in the enviable position where, thanks to hardware like Emplant and software like ShapeShifter, it can emulate other machines and provide the best of all possible worlds. I hope you can get something for your Amiga with the £50 prize that should be winging its way to you shortly.

ANTIQUE COLLECTOR

My large Amiga software collection includes many ancient games like 'Empire – Wargame of the Century', 'Aaargh!', 'Kampfgruppe' and 'Battle Tech'. I've completed them all and they are now just sitting on my shelves gathering dust. This is a real shame because all are in mint condition with their original boxes and instructions still in tact.

A good friend has since told me that old games in such great condition can fetch up to £50 each if resold to other Amiga software collectors because they are so rare. Many of them, I'm sure, cannot be found in shops and may have even been permanently deleted from the relevant companies' product lines, so they should be worth quite a bit of money. Is this true or have I been told a pack of lies about their true worth?

David O'Conner, South Yorkshire

I think your friend has been pulling your leg. While some of your games might be considered classics, I think it unlikely that people would want to pay large sums of money for them.

However, if you keep them for, say, 40 or 50 years, then they might be worth as much as some Dinky toys are now to the right person. By the way, Empire, what a game!

AMIGA ADD-ONS

After reading most of the Amiga magazines over the last year or so it has become obvious that if you want add-ons for your machine but don't own an A1200 or higher, you are not important. All peripherals seem to be carried out on an A1200. There are a lot of A600 owners about and I'm sure that I am not the only one who looks to the press when looking for peripherals, but how do I know how, or even if, they will perform on my A600? For instance, another magazine tested the HiQ multimedia Powerstation, but on an A1200, even though the A600 also has a PCMCIA slot.

Just to be different, why not review peripherals on all compatible machines listing any problems that might occur with those that are not hooked up for the test. That way you won't end up with a magazine called *AMIGA COMPUTING IF YOU HAVE AN A1200 OR A4000.*

I am very happy with my set up (A600, 2Mb RAM, external floppy drive, Citizen ABC printer) and I will expand this one piece at a time as funds allow. Anyway, while I have your attention, I was reading the December issue of *Amiga Computing* and came across an advert from Gasteiner which included an A600 accelerator. Can you please tell me if this is ever going to be reviewed in *Amiga Computing*? Finally, will the HiQ Powerstation with CD-ROM actually work on an A600 and if so, with what limitations.

Adrian A Taylor, Staines

I am glad you are happy with your A600. In these fast-moving times, it sometimes pays to remember that we should each have a machine that suits our needs and a lot of people don't actually need a 4000T, graphics card and VLab Motion. As for what you are saying about the lack of A600 information in our reviews, I think we have to be careful. If a product will definitely only work with one particular type of Amiga then we will say so in our product box at the end of every review, otherwise you can pretty much figure on it working with any machine as long as it fulfils the rest of the criteria laid down in the aforementioned box.

It isn't always possible for magazines to review a product on every machine that has ever come out, we tend to restrict it to the machines we have up and running (which still includes a 4000, 1200, 3000, 3000T and 2000) because there just isn't the time in our hectic schedule. If a product looks suitable for use on your A600, why not speak to the people who sent it to us for review? They are going to know just as much as we are likely to be able to tell you, and I would hope that they would know more. By the way, have a look in this issue for that A600 accelerator reviem.

FULL MOTION AMIGA

I am seriously thinking of buying a new Amiga 1200 with hard drive. At the moment I own a CD32 with FMV cartridge. Will I be able to connect my CD32 to the Amiga 1200 and still be able to run CD32 software? Also, will I be able to run normal Amiga CD-ROM software this way? Would I be better off selling my CD32 and buying a new CD-ROM drive (will I be able to buy an Mpeg card so I can run Video CDs and Photo CDs?).

Thank you for your excellent magazine and keep up the good work.

Mr S Bhogal, BFPO

If you were to buy an A1200, it might be better for you to stay with the CD32 for now. You will be able to connect the two machines using a serial cable and the software SERnet. This will allow you to access data CDs like the Aminet CDs, but not program CDs. However, you will still be able to use the CD32 as it stands, so you will be able to run programs CDs on that.

If you do decide to ditch the CD32, your best bet would be to buy a CD-ROM drive that comes with a Squirrel interface. If you do, then, when HiSoft's new Mpeg expansion comes out, you will be able to plug that into your CD-ROM drive.

NEW YEAR, NEW MACHINE?

I wonder if you can help me out. I have owned an Amiga 500 since 1988 and am content with it. However, my internal disk drive is going out and the 1084 monitor flicks to black occasionally, so I would like to upgrade to a new system. The problem is, I need to do things that my old 500, as configured, won't do, and I only have so much money.

Now, what with Windows 95, I've been looking closely at a Pentium system and been studying how they work, realising the advantages of things like 'EDO' RAM and 'pipeline-burst cache' as compared to the 486. What I don't know is what it all means in comparison to the Amiga. Even so, I am awfully tempted to buy one of those Pentiums.

However, I like to consider myself a loyal Amiga man and would prefer to stay with that machine. So what can I get for less than $3000 that will enable me to do the following things?

- Hook into the Internet
- Communicate with the IBM world; read and write their disks, send e-mail, etc.
- Translate Deluxe Paint and Kindwords files to the Windows OS
- Capture full frame motion video from a variety of sources including S-VHS and output same
- Let us use our existing hardware, mainly a ProGen genlock
- And, of course, all the usual things like a CD-ROM drive and a monitor with a little propeller on top that turns when it heats up.

Get the idea?

The main uses for the computer that we have are to publish our science-fiction fanzine dedicated to the work of Philip K Dick, and to output video straight to tape for broadcast on Public Access TV and straight to VHS. We also use the Amiga for general word processing and games, but we plan on moving our act online so will need to open certain of our files to public scrutiny as well as present a pleasant image.

So, can you suggest an Amiga setup that will let me do all this for less than $3000?

Dave Hyde, Kokomo, USA

So, Dave, you want to buy a new Amiga? I'm going to have to go by UK pricing for this answer, but I reckon we can build you quite a nice machine for $3000. Probably your best bet, given your requirements, would be to buy a second-hand A3000. Don't go for a 16MHz machine, you should be able to get a 25MHz machine for around $950 with at least 6Mb RAM. This leaves you with enough cash to choose your next purchases carefully.

You could buy a graphics card and big monitor or, alternatively, you might want to buy a VLab Motion. The VLab Motion will allow you to capture live video at 30fps and play it back direct from a SCSI hard drive. You can add audio capabilities to the system with the Toccata card – the pair cost around £1500 or 2400 bucks, but you would have near-broadcast quality, non-linear video editing. The closest equivalent on the PC, I am told, is a product which costs somewhere near $6000.

You will also be able to upgrade the Workbench on the 3000 to 3.1 which would give you the ability to read and write PC floppy disks, and, if you're lucky, you might actually get an A3000 that comes with a high density floppy – quite a few in the States do. As for your word processor and paint package files, you can save Kindwords files out as ASCII, and DPaint files will need to be translated through a different package, but there is so much shareware out there to do the job, you shouldn't have to spend any further cash on the job.

As for the Internet side of things, nearly all the software you need for the Amiga is free or shareware, so you shouldn't have too many problems with that either. My modem recommendation would be the US Robotics Courier v.everything one that most Internet providers use.

Finally, it sounds as if what you want to do can still be best done on an Amiga, so you'll still be better off sticking with Amigas whatever you choose to do.

Emplant - Macintosh and PC emulations.

Emplant can be used with any accelerated Zorro based Amiga. With Macintosh and PC emulation modules, Emplant is the Amiga's only all-in-one emulation solution.

Macintosh® Emulation Module

- A full 'generic' Macintosh with the speed dependent upon your processor.
- An A3000 is equivalent to a MAC IIci. An A4000 is equivalent to a Quadra 900.
- Support for up to 16 colours (non-AGA), 256 colours (AGA) or up to 24 bit colours using third party video boards such as Picasso II, CyberVision, Piccolo SD64, Retina etc.
- Built in intelligent multiple file transfer for transfers between the Amiga and MAC.
- Support for AmigaDOS devices, CD ROM, direct Scanning, MIDI, SyQuest, Printers, Modems etc. Total compatibility through on-board SCSI interface (Option B and Deluxe).
- Full 8 -bit stereo sound. Requires Macintosh II/IIx/IIcx/SE30 256K ROMs (not supplied).
- Supports all Floppy formats (Even 800K Mac drives with additional AMIA interface).

EMPLANT BASIC	£239.95
EMPLANT OPTION A (APPLETALK/SERIAL)	£279.95
EMPLANT OPTION B (SCSI INTERFACE)	£279.95
EMPLANT DELUXE (APPLETALK & SCSI)	£299.95
e586DX/SX PC MODULE (Now Includes BIOS)	£109.95
PC BIOS (AMIBIOS) FOR e586DX sold alone	£ 10.00
AMIA (800K MAC DRIVE ADAPTER) + MAC DRIVE	£ 89.95

e586DX/SX Emulation Module

- MDA, CGA, EGA, VGA, SVGA video modes (AGA is required for VGA/SVGA).
- Sound, Floppy drives, AmigaDOS partitions, Extended Memory, and more!
- Print from Windows or DOS via Amiga parallel port.
- Use CD ROM drive with any Amiga sided CD ROM drive.
- Will run programs that require greater than a 286 processor.
- Comes with both DX (FPU) and SX (no FPU) versions and 486 PC BIOS.

MainActor Broadcast New

MainActor Broadcast is a completely new Animation program for any Amiga with OS2.04 or better.

- Over 20 Load/Save modules (AVI, BMP, DL, FLI, FLC, GIF, IFF, IFF-Anim3/5/7/8/J, JPEG, PCX, QuickTime...) with AVI, QuickTime and JPEG support up to 24-bit.
- Index file for faster reloading of animations and playback from Hard Drive.
- Support for any graphics card for 24-bit as well as standard Amiga screenmodes.
- Effects modules to apply effects directly into the animation (Text, Scroll, Scale, Rotate..)
- 19 Sound modules for sound/music playback incl. compressed (OctaMed, SM3) in 8 and 16 voices.
- Joining, Convert, Split animations and autoswitch to optimal colour depth.
- AREXX-Port for external control, and MacroSystems multipic.library support.

MAINACTOR BROADCAST	£179.95
MAINACTOR PROFESSIONAL	£ 49.95

Liana

Liana is the ideal solution for a quick, easy yet efficient connection between any two Amiga's. Simply plug the special cable into the parallel port and install the **Envoy** software. The software offers FileSystem import and export, network printing and multi-user support. The Liana network driver is completely SANA-II compatible.

LIANA £ 59.95

Ariadne

Ariadne offers a simple but effective Network solution for any Zorro based Amiga.

- Two extra parallel ports.
- The industry standard software solution **Envoy**.
- 10Base-2 (Thin ethernet, coax cable) and 10Base-T (Twisted pair, western jacket).
- Socket for a boot ROM and 32Kb CPU cache.
- SANA-II compatible driver for ethernet and parallel port.

ARIADNE £219.95

Picasso II Bundles

PICASSO II is the leading graphics card for any Zorro based Amiga. The Workbench emulation offers 256 colours, even on non-AGA machines (Requires OS3.1) at resolutions up to 1600x1280. Choose colour depths including HiColour (16 bit) and True Colour (24 bit). No "Chip RAM limitations" and an in-built Amiga video pass-through makes Picasso II the best value graphics card around!

Picasso II

PhotoGenics V1.2

To Enhance your choices, we have a variety of excellent bundles, offering fantastic value!

Picasso II Standard	Includes TVPaint Junior, MainActor, Viewers etc.	
1Mb		£219.95
2Mb		£249.95
Picasso II + TVPaint 2.0	As the Standard pack but with TVPaint 2.0.	
1Mb		£369.95
2Mb		£399.95
Picasso II Creativity	As the Standard pack but with PhotoGenics 2.1	
2Mb		£289.95
Picasso II Creativity Plus	As Creativity pack but includes full CyberGraphics	
2Mb		£309.95
Picasso II MultiMedia	As the Standard pack but with Pablo Video Encoder and MainActor Professional.	
2Mb		£349.95
Picasso II MultiMedia Plus	As the MultiMedia pack but with MainActorBroadast.	
2Mb		£529.95
CyberGraphX Software	Full release for all graphics boards	£ 34.95

OS3.1

Now available for ANY Amiga! The full Escom licensed OS3.1 packs will bring your Amiga up to the very latest operating system. OS3.1 is more efficient, offers more features and is becoming necessary for many high end applications.

OS3.1 A500/600/1500/2000	£89.95
OS3.1 A1200	£99.95
OS3.1 A3000	£99.95
OS3.1 A4000	£99.95

AmiTCP New

AmiTCP is the most popular TCP/IP implementation for the Amiga.

- Connect your Amiga to heterogeneous networks and the Internet.
- Supports Network-File-System (NFS) as a client.
- Uses SANA-II Interface.
- Optimised version for 68020+ CPU included.
- Full English manual.
- Additional applications : FTP, Telnet, rsh etc.

AmiTCP £ 69.95

ATAPI + CDFS New

The new ATAPI/Cache CDFS package offers excellent facilities for your A4000, A1200 or A600

- Use an ATAPI CD-ROM drive with the A4000 A1200 or A600 IDE controller.
- The Atapi.device is able to support up to 4 units with the A4000 and A1200 (not A600) With an additional special cable. This may be up to two hard-disks or any number of CD-Roms. This effectively adds a "second" fully operational IDE port to the system.
- CacheCDFS, excellent CDFileSystem software.
- PlayCD (audio) and CD32-Emulator.

ATAPI + Cache CDFS + CD32	£ 49.95
ATAPI Software + 4-Way Cable A4000	£ 69.95
ATAPI Software + 4-Way Cable A1200	£ 74.95

Amiga Computers

AMIGA™

We can supply the full range of machines at the best possible prices. Call for availability.

A4000/40
- 68040 Processor at 25MHz.
- 2Mb Chip RAM, 4Mb Fast RAM.
- 1.2Gb Fast SCSI-II Hard Drive.
- Shipped with SCALA MM-300

£2099.95

A4000/60
- 68060 Processor at 50MHz.
- 2Mb Chip RAM, 4Mb Fast RAM.
- 1.2Gb Fast SCSI-II Hard Drive.
- Shipped with SCALA MM-300

£2399.95

A1200
- 68020 Processor at 14MHz.
- 2Mb Chip RAM.

£389.95

A1200HD
- 68020 Processor at 14MHz
- 2Mb Chip RAM.
- 170Mb Hard Drive.

£479.95

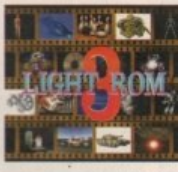
Best Prices on Computers Guaranteed!

Pablo Video Encoder

PABLO is the Video Encoder option for Picasso II, expanding it with two additional video ports, one standard Composite Sync Signal, and one S-VHS (Y-C) compatible port. All PAL compatible video devices can be plugged into Pablo, such as a colour TV or a video recorder.

PABLO VIDEO ENCODER £119.95

Light ROM 3 New



LIGHT ROM 3 is a three CD pack offering tremendous quality and value to the user.

CD ROM 1

Over 4500 Lightwave objects divided into categories including Anatomy, Aviation, Botany, Buildings, Furniture, FX, Holidays, Household, Logos, Music, Ships, Space, Sports, Tools and Vehicles. Showcase directory features contributions from Lightwave artists around the world. Every Lightwave object is represented in easy preview thumbnail renderings (IFF, TARGA & JPEG).

CD ROM 2

Collection of 3D objects in other formats including Imagine (175 Mb), 3D Studio (110 Mb) and Sculpt 3D (30 Mb). Textures in JPEG format complete with thumbnails. PD graphic programs and demos for PC and Amiga. Collection of 3D landscapes in Lightwave, 3D studio and Imagine formats. Video Toaster directory with wipes and CG fonts.

CD ROM 3

Bonus "DEM ROM" includes over 1000 DEMs (Digital Elevation Maps) for use with World Construction Set, VistaPro and Scenery Animator on any platform.Use DEM ROM (along with any of these programs) to create realistic backgrounds or flights through your favourite scenery to incorporate into Lightwave or other 3D programs as background sequences. All DEMs include thumbnail renderings of their their topographical maps.

LIGHT ROM 3 £39.95

World Construction Set New

World Construction Set is a 3-D terrain modelling and animation program that offers unlimited flexibility and control. WCS provides a wealth of solutions, whether you are creating for video, print media, commercial or scientific applications, or just for fun.

Key-framed animation, colour-mapping, unlimited scene size, detailed ecosystem control, interactive GUI and many other features.

WCS's friendly design makes it easy to create scenes with just the view you want. You can work in multiple windows to lay out motion paths, adjust colours and modify ecosystems all at the same time. Camera View shows a wire frame rendering of the scene of any animation frame. Solid shaded ecosystem, diagnostic and animation previews can also be generated. Camera position and over 20 other attributes can be set interactively. Haze, horizon, view arc, vertical exaggeration and sun position are just a few of them.

WCS requires OS 2.04 or greater, 4 Mb RAM (8 Mb recommended). Both 68030 and '040 optimised versions are supplied.

WORLD CONSTRUCTION SET £119.95

Doubler 4000/40

The Doubler 4000 50 MHz 68040 accelerator delivers across-the-board speed increases for all applications and system functions, translating into significant productivity gain. This powerful "plug and play" accelerator is 100% hardware and software compatible, since it still uses Motorola 68040 processor. The Doubler 4000 includes an on-chip math co-processor, and will dramatically speed up any application - such as rendering - that depends on calculations. SysInfo reports and increase from 18.76 MIPS of the standard A4000 to 37.72 MIPS with the Doubler installed! An integral cooling system ensures that the Doubler 4000 runs cooler and more reliably at 50 MHz than the original processor.

DOUBLER 4000 50MHz 040 New Low Price £299.95

6 Drakes Mews, Crownhill Industry, Milton Keynes. MK8 OER. UK.

01908 261466 Orders
01908 261477 Technical
01908 261488 Fax
01908 261499 BBS

Order by Access/Visa/Delta/Switch or Postal Order/Cheque.

No added surcharges - All prices fully inclusive (UK).

Postage and Packing £7.00 (Next Day) £5.00 (Two Day) and £15.00 (Saturday).

Prices and specifications may change without notice. It is advisable to telephone to confirm pricing /specification/ availability before ordering. E&OE. All trademarks acknowledged. All orders subject to our terms and conditions of trading, available on request.

Hours of business 9.15am - 5.00 pm Monday-Friday

TRADE ENQUIRIES WELCOME.

e-mail : plesurf@cix.compulink.co.uk Compuserve : 100523,2224

WWW Site : http://www.mag-net.co.uk/Bsoft

public sector

More low-priced lovelies come under **Dave Cusick's** critical eye...

Well, it's another packed PD column this month, and as I always seem to find myself saying, it's good to see that the uncertainty over the Amiga's long-term future isn't affecting things too badly at grass roots level. To kick off things this month...

GFXLAB 24

Programmed by: Rodrigo Reyes
Available from: Pixel Digital PD

GFXlab 24 is another shareware image processing package with a range of features rivalling commercial market-leaders Image FX and Art Department Pro.

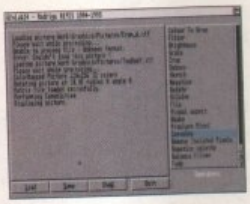
French author Rodrigo Reyes has included 20 different effects ranging from the standard (crop, rotate, adjust brightness) to the unusual (quake, whirl, disperse pixels). A library of convolves can also be applied.

Other features include ARexx support for the automation of tiresome image conversions or similar processes, and support for a wide range of image formats. GFXlab also enables you to use a hard drive as virtual memory, meaning not as much RAM is required as with, for instance, ADPro.

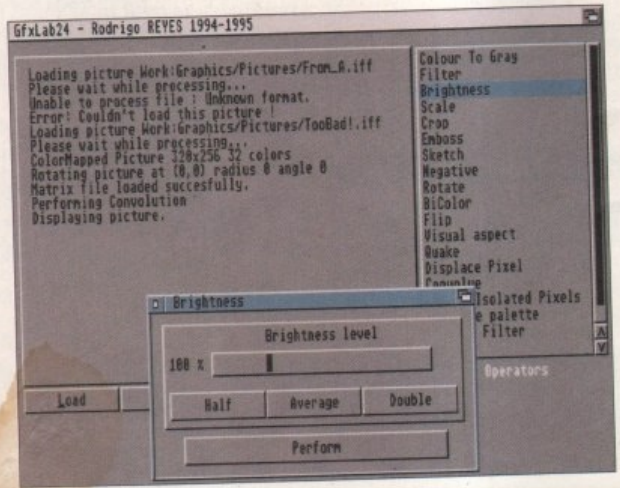
If all this sounds a little familiar, that's because ImageStudio 2.2, the latest version of another popular shareware image processor, can do exactly the same things. So is there any difference between them?

Well, my tests seem to suggest that ImageStudio has the edge in terms of speed and file formats supported, and it's got a more pleasant interface with floating requesters, more progress bars, and so on. However, GFXlab does boast some fancy effects that ImageStudio does not currently have, and it supports multiple 'banks' or screens.

At the end of the day therefore, whilst ImageStudio still comes out on top, GFXlab is a promising new challenger and a worthy purchase. It costs 90 French Francs to register. Bear in mind that you could buy registered versions of both image processors, and you'd still have shelled out only a fraction of what it would cost to buy ADPro.



It's not much to look at, but GFXlab24 could work wonders on your image collection



Performing some simple effects is quick and painless with GFXlab24

ULTIMATE MANAGER V1.1

Programmed by: Craig Smith
Available from: Your Choice
Disk No: GA 599

Whilst it's over two years out of date in terms of team information and it's certainly not Championship Manager, this is a great game that football management fans will love.

Everything is included, from training and team selection to ground improvements and player transfers. Real-life players are featured, although the fact that these are not up-to-date (for instance, Andy Cole is not at Manchester United... actually, he's not even at Newcastle!) does detract from the things a little.

Presentation is unspectacular, with everything taking place against a hideous striped background, and practically no graphics throughout. But what's really important is the addictiveness and as with so many other management games, Ultimate Manager is extremely engaging. It disks like this that can make magazine copy deadlines tricky to meet.

Matches are dealt with quite well. The game clock ticks away rather quickly, but it can be paused at any time to enable changes in team tactics or the odd substitution. All matches taking place in that competition on that day are shown on screen simultaneously, so you can keep track of the progress your rivals are making – a nice touch that even the king of the management sims, Championship Manager, doesn't boast.

The registered version of the program, costing £7.50 and available from the author, includes a player and team editor, and is not restricted in any way (this version only allows you to play for two seasons). It's written in Amos, too – but don't let that put you off.

Ultimate Manager even includes a complete tactical section, which allows you to tailor everything, right down to the amount of aggression your team display and the severity of your team talks

TOTAL IRRELEVANCE #12

Produced by: The Official Med Users Group
Available from: Seasoft

Total Irrelevancy issue 12, in full four-colour glory

The twelfth issue of this popular disk magazine includes three OctaMed modules for your listening pleasure, and the usual range of readable articles. There are musings on the future of the Amiga, opinions on OctaMed version 6, and anecdotes about the trials of purchasing suitable loudspeakers. A review section includes assessments of Power Computing's CD-ROM drive and a range of PD music modules. There are also the results of a competition which I wish I'd known about in time to enter, because the prizes are pretty impressive (hand scanner and LCD televisions, for instance).

For the truly dedicated OctaMed fanatic (or the merely curious), there are even articles recounting how several Med Users Group members got started with tracker music. Actually, to be honest this is probably the least interesting section of an otherwise fairly impressive magazine.

Even if the subject matter won't appeal to everyone, this is a well produced effort, in which it is clear a lot of time and energy has been invested.

YOUR FIRST PONY

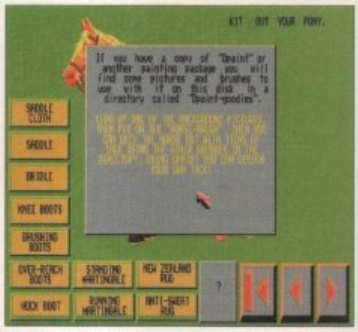
Produced by: Greendell Technologies
Available from: Seasoft

Horses are expensive beasties to buy and maintain, and caring for them requires a lot of commitment and dedication. It's helpful then that such informative disks as this are available.

Learn about choosing a pony, feeding and grooming it, keeping it in good health, and even protecting it against theft. Your First Pony is a hyperbook product, combining colourful (if a little grainy) pictures with text to produce a bright, simple and effective interface.

The colourful pages contain boxes of text and images which, if clicked on, lead to other parts of this non-linear book. This sort of design is employed in many educational products these days, including Greendell Technologies' own Spitfire and Messerschmitt disks (reviewed in issue 90).

The latest version of a product which first appeared two or three years ago, Your First Pony has now been made shareware. If you make regular use of it, you're asked to send the princely sum of one pound to the authors.



If you tire of the educational aspect of Your First Pony, you can always follow these instructions, load up DPaint and play pin the accessories on the pony. Great fun – well, Andy Maddock enjoyed it anyway

GLORY BOX

I want to hear from you if you have any program, whatever its purpose, which you consider worthy of review. Whether it will be freely distributable public domain, shareware or licenceware, if you feel it's of sufficient quality to merit coverage then stick it in a jiffy bag or padded envelope and send it in with all haste. Although Public Sector receives too many submissions to cover them all, I promise I'll at least look at your work – even if it's yet another Lottery program or Klondike cardset. It does make my job a lot easier though if disks are clearly labelled. Please also include a cover letter detailing the disk contents and price, and giving some basic instructions. The magic address is:

Dave Cusick, PD submissions
Amiga Computing, Media House,
Adlington Park Macclesfield
SK10 4NP

DMC GOLD

Programmed by: Andy Gibson
Available from: F1 Licenceware

Innocent unsuspecting PD reviewers (such as yours truly) could soon be inundated with diskmags – and it will all be DMC's fault

DMC stands for Disk Mag Creator, and this Gold edition, available for £7.49 (including P&P), is capable of producing some really impressive results. It's supplied on two disks, one of which contains the actual program and accompanying gubbins, whilst the second contains various helpful extras. Creating your own magazine is basically a process of editing the various ASCII index files on the first disk, and writing your own articles. Fancy effects such as coloured text and embedded clip art images can be incorporated using various special codes in the text (a bit like the World Wide Web's HTML codes, only simpler). It's also possible to create split-screen articles, which are displayed in two columns instead of a single column, and secret articles, which can only be accessed by those who know a special password.

As you'd expect, DMC supports fancy introductory screens and lets you have ProTracker modules playing in the background. However, an added bonus for those keen on making their production look unique is the option to redesign the user panel at the bottom of the screen.

The extras on the second disk include some examples to help get you started, and a cruncher program for compressing articles. Called CrunchMania, it's capable of compacting files to around 50 per cent of their original size, which obviously means that a lot more articles can be crammed onto a floppy. There's also a really useful Article Tester. This can display files you've already crunched without the need to load the main program. It can also convert single column files to split screen format, and perform a few other effects which might otherwise require considerable editing of the original text file.

The whole package is supplied with a really useful manual which demystifies the magazine creation process. It's well written and highly informative, and runs to 28 pages.

Why bother going to the trouble of writing your own disk magazine engine when DMC is capable of producing such excellent results?

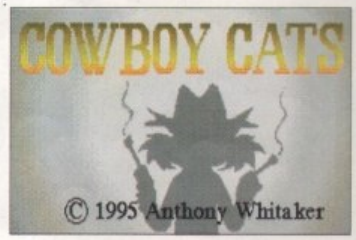
Subtle advertising...

CHARLEY CAT 12: COWBOY CATS

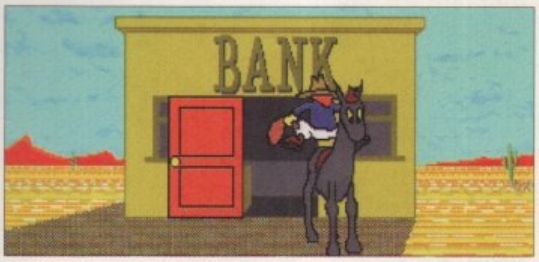
Produced by: Anthony Whitaker
Available from: Roberta Smith DTP

The latest of the excellent Charley Cat animations, this six-disk epic features our feline friend in a Wild West adventure. As ever, the animation and sound are superb and you could easily be forgiven for thinking you were watching a cartoon on television.

Mr Whitaker thinks the animation should run on all A1200s. However, if you've got sufficient extra memory and hard drive space I'd definitely recommend copying all the disks onto a partition, making a few assigns, and then running the animation from there. Running the cartoon from a single floppy drive means plenty of disk swapping and some lengthy loading times. It's really worth the effort of setting things up, because this is one of the best animations I've seen in a long time. If you like the cartoon (and I certainly think you will) then please send the two pounds shareware fee the author is requesting, as this is the sort of production we definitely want to see again in the future.



Charley the Cat's back for his twelfth animated adventure



Think up something... bank and horse

THE CLIP ART SLIDE SHOW

Produced by: PD Power
Available from: PD Power

This is a slideshow of 99 clip art images on one disk. The quality of images ranges from excellent to pathetic, and the subject matter veers from cartoon characters (the Flintstones and other Hannah-Barbera stars through to some Disney creations) to maps, and even Christmassy stuff. The problem here is that there's no attempt to organise the images in any way. They are presented one after another in no obvious order, so when images do catch your eye you've got no idea what the file name is, or even whether it's the only picture on that theme. Looking at the disk directory later in the hope of some revealing file names will prove fruitless – the images are numbered from C00 to C98, so trying to actually put these pictures to practical use is going to involve carefully going through the disk, renaming and reorganising the files after you've viewed them.

Anyway, if you've got the time and the inclination to go to this sort of effort, this might be worth getting hold of. It's not the only PD Clip Art disk guilty of such lack of organisation (indeed, most of them do!) but the fact that there are 98 other images here for that important one to hide amongst can prove frustrating.

HAUNTED BY YOU

Another lottery program, I'm afraid. Challenge Logic's Cop The Lot Pro has reached version 3.0, and the registered version, complete with an attractive presentation box, costs a fiver. For your money you get a database of numbers drawn so far, a fun predictor called Skeptic Skeav, a random number generator and plenty of letters from people who are already using the program. It's all nicely done, and apart from the irritating need to disable CPU caches before running it on AGA machines, this is one of the better predictor programs.

Finally, back in issue 92 I reviewed issue one of the Extreme Amos disk magazine, and stated that it can be obtained from public domain libraries around the country. In actual fact, it can only be obtained from Carl Drinkwater at the moment, and cheques for £1 should be made out to him. Issue two is now available as well.

PD GOLD VOLUME 1

Compiled by: V12-PD
Available from: V12-PD

Wormz – sorry, MASH. Not at all like Lemmings, either. Honest

It's all been seen and done before, but Nicky 2 still impresses

Three top games on four disks for just two quid. Isn't PD marvellous?

Here we have MASH, Nicky 2 and Chaneques. MASH is a Wormz variant (or, according to the author, Wormz is a MASH clone). One person can play against the computer, or two chums can pit their wits against one another – either way, the objective is to destroy your enemy's base. At your disposal you have tanks and spuds, the latter being small mobile ground troops with a wide range of weaponry and abilities. MASH has decent graphics, passable sound, and enough excitement to hold the attention for a while.

Then there's Nicky 2, which I'm sure used to be available commercially. This is a polished platformer with stylish graphics and animation, suitably cheesy sound effects and plenty of runny-jumpy-blasty gameplay. It's not going to set the world on fire, but it's a bargain at this price and will provide plenty of entertainment.

As for Chaneques, I can't really give a considered assessment because I got completely stuck on only the second level. Suffice it to say it's a platform puzzler which is vaguely reminiscent of Lemmings. You control three individual characters with differing abilities and have to negotiate various screens, collecting objects by pushing them into convenient extra-dimensional gateways. It's bizarre, but it looks quite good – if only I could see what lies beyond the second screen.

Anyway, V12-PD seem to think this package represents pretty good value for money, and I'm inclined to agree with them. They're selling their 2-disk catalogue for just 25p too.

How many games can boast flying duck rides? Nicky 2 can!

Cheneques: my brain hurts

SOMETHING HOT IN A COLD COUNTRY

Challenge Logic
31 Lindley Street, Mansfield, Nottinghamshire NG18 1QE

Carl Drinkwater
9 Eldercroft Road, Timperley, Altrincham, Cheshire WA15 7HT

F1 Licenceware
31 Wellington Road, Exeter, Devon EX2 9DU
Tel: 01392 439580

PD Power
15 Lovetot Avenue, Aston, Sheffield S31 0BQ

Pixel Digital
Unit 6, Laurel Business Centre, 15 Laurel Road, Liverpool 7
Tel: 0151-259 4017

Seasoft
Unit 3, Martello Enterprise Centre, Courtwick Lane, Littlehampton, West Sussex BN17 7PA
Tel: 01903 850378

Roberta Smith DTP
190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE
Tel: 0181-455 1626

V12-PD
PO Box 14, Louth, Lincolnshire LN11 8LF
Tel: 01507 450114

Your Choice
39 Lambton Road, Chorlton, Manchester M21 0ZJ
Tel: 0161-881 8994

Latest News Buy any two of the following titles for only £ 39.90 Aminet Box Set 1 or 2, UPD Gold, Multimedia Toolkit 2 or Octamed 6

Weird Science

1 Rowlandson Close,Leicester, Leicestershire. LE4 2SE
Telephone 0116 234 0682 Fax 0116 236 4932
Email sales@weirdscience.co.uk or tech@weirdscience.co.uk

FREE

With Every Order Worth £19.95

The Assassins CD

Offer only available whilst stocks last
Please ask for your FREE CD when ordering

NEW TITLES

The Assassins
Ultimate Games Volume 2

Comprises of hundreds of games for the CD32, CDTV and Amiga range of computers. All of the games are accessed via an easy to use menu system. Also included on this CD are the entire Assassins floppy disks 1 to 250, 60 packed utility disks and other various games disks. The games on the Assassins CD Volume 2 are not repeated from the first CD, but are all new games with full instructions for the games accessed from the menu system. This CD has been tested on the CD32, CDTV, Zappo, Power Drive and Amiga 4000. The CD contains over 600 games and compatibility is clearly stated for each game on the CD, (400+ for CDTV, 500+ for CD32 and 600+ for the Amiga 1200.) All this and more for only.....

£ 19.95 (and get Assassins CD 1 FREE)

Network CD 2

Network CD has been long recognised as the definitive way to join a CD32 to an Amiga, with a plethora of aimed at the transfer of information between the two machines. It enables the access of compact discs on the Amiga by using the CD32 as a slave drive. With the release of Network CD 2, Weird Science are proud to announce that the networking of the CD32 to an Amiga is about to change beyond all recognition, with emphasis purely on speed and ease of use. Network CD 2 provides a new easy one button set-up of any of the tools on both the CD32 and the Amiga. Sernet now runs at far higher speeds than ever before and includes keyboard and mouse emulation from the Amiga. Twin Express can now be controlled by Directory Opus 4.12 (not included.) Every aspect of the original CD has improved with many more features than described here.

£ 14.99

CD32 cables are £ 24.99
Parnet cables are £ 9.99

Octamed 6 CD

The Official Octamed 6 CD contains the full commercial version of Octamed 6, the latest version of this superb music utility. In addition the full 'Walkabout Music' samples collection, (over 1000,) have been included. To complete are 100's of megs of modules, samples and midi files, fully categorised and ready to run from the CD. This is a unique opportunity to obtain the best Amiga Music package and as an added bonus we include the full manual all for only....

£ 29.95 *including manual*

Speccy CD 2 £ 19.95

CBM 64 CD £ 19.95

AGA Experience £19.95

Colour Library £ 9.99

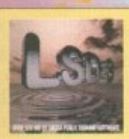
Global Experience £24.99

The Aminet Collection

Weird Science stock all of the latest Aminet CDs and now offer the Aminet CDs on a Subscription basis. For only £ 9.99 (plus P&P) each Aminet CD will be sent as soon as it is released. Contact us for details.

Meeting Pearls 3 £ 9.99

5th Dimension £ 19.95



LSD CD 3 £ 19.95

CAM £ 14.99 (2 CDs)

Grolier 2 £ 19.95

Dinosaurs CD £ 19.95

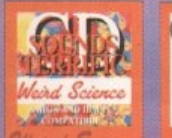
Aminet 8 & 9 £ 14.99 each

Aminet Set 1 & 2 £ 29.95 each

Aminet 3 & 4 £ 7.99 each

EXTRA SPECIAL OFFERS

LSD CD 1	£ 14.95
LSD CD 2	£ 14.95
Light Rom	£ 24.95
17 Bit Phase 4	£ 14.95
Hottest 5	£ 14.95
Demomania	£ 4.99
GFX Sensations	£ 14.95



Weird Science Collection Sounds Terrific £ 19.95 (2 CDs)

Fonts CD £ 9.99

Clip Art CD £ 9.99

UPD Gold £ 29.95

The entire United Public Domain Library on 4 CDs. Over 4,800 floppy disks are featured.

Artworx CD £ 9.99

An entire CD of colour computer generated art. Ideal as Colour Clip Art.

Animations CD £ 19.95 Double CD of animations

Euroscene 1 & 2 £ 9.99 each

Weird Science

Access, Visa & Switch Welcome
UK Postage is £ 1.00 for the 1st item and 50p each item there after.
Overseas postage is double.

Multimedia Toolkit £ 9.99

Multimedia Toolkit 2 £ 19.95

Amos PD CD Ver. 2 £ 19.95

Coming Soon 3D Objects CD for LightWave & Imagine. £ 19.95

Desktop Video £ 12.99

Latest News Buy any two of the following titles for only £ 39.90 Aminet Box Set 1 or 2, UPD Gold, Multimedia Toolkit 2 or Octamed 6

ACAS

amiga computing advice service

Another bunch of **worried cases** get their Amiga-related problems ironed out by **Aunty ACAS**

QUESTIONS QUESTIONS

I have an A600 with 2Mb of Chip RAM and Workbench 2.05, and have a few questions.

In my PC slot *(we cannot be bothered saying PCMCIA anymore)* one of the pins has broken off and one is bent. Is there any way of fixing it?

Can I upgrade my Kickstart version to 3.0 so it is the same as a A1200?

Is there any interface like the Squirrel that will work with the parallel port because I already have a couple of things which I keep switching over?

Are there any accelerators which will work with my A600 or do I have to buy a A1200 to get one?

Would I be better off if I bought a CD32 and connected it to my A600, or to buy a CD drive for it. I have considered the CD32 because you can add a FMV card to it.

If you had the option of getting a second hand CD32 now and a Zip drive for Christmas, or saving your money until Christmas and then getting a A1200, which would you choose?

Also, what is the best and what is the cheapest way of connecting a CD32 to an Amiga? Is there a program which can trick my A600 into thinking its got an AGA chipset while actually accessing the AGA chips from a CD32 which is connected?

In what format are PhotoCD pictures and which, if any, art packages can you load them into?

Which port in the Amiga will the new Zip drive plug into, and does the Zip drive act as a disk drive or a hard drive? Will it be able to run hard drive installable games?

What is the cheapest 3D package I can get. I already have Expert 3D Junior but don't think this is very good. Also, are there any PD disks which have any models that can be loaded into Expert 3D Junior?

When I create an AmigaGuide I cannot get my text to word wrap – how can I solve this problem?

J Chapman, Cambridgeshire

Hang on aren't you our production editor? No seriously, I will answer you're questions in the order they came.

Not really, it would be pretty tricky to just replace the PC slots. When we needed one of ours repairing, Wang just replaced the mother board.

No you cannot upgrade to 3.0, but you can to 3.1 which is slightly improved over the A1200's version. Blittersoft are currently the official suppliers.

There is an Australian product that allows you to fit a SCSI interface via the parallel port, but currently it is not available in this country – perhaps it will appear in the future.

An 020 accelerator is going to be released for the A600 by Gasteiner. This will be an 25MHz 020, but if you want to go faster than this you will have to buy an A1200.

As for your CD32 questions, the only way to use the CD32 with another computer is to connect it via the parallel port, using some thing like Connector. This is always going to be slower than a dedicated SCSI CD drive. Using this set there is no way you can get the A600 to use the AGA chipset, and if you could your programs would run horribly slowly.

If you are looking to upgrade your OS and get an accelerator, you really should consider upgrading to an A1200. The new software pack has a ton of high quality software with it.

Doing this you get the OS upgrade, an accelerator, and the AGA chipset in one package. You also have a much greater range of options when it comes to future upgrade options. If you want a SCSI interface you can get a Squirrel or plump for one of the accelerators with a SCSI interface option. Surprisingly, PhotoCDs are in PhotoCD format. Basically, the main feature of PhotoCDs is that a single picture comes in a number of screen resolutions ranging from 192x128 to 3072x2048.

You normally get a software PhotoCD viewer when you get a CD drive, which should allow you to save off an IFF image. There is also a datatype available, but only for Workbench 3 users and up.

The Zip drive is a SCSI device, so you will need to get a SCSI interface, and the correct leads, before you could use it. Basically, the Zip drive is a removable hard drive and the way AmigaDOS works, disk drives and hard drives are both the same things, apart from the interfaces they use. So yes, you can run hard drive installable games from a Zip drive.

Well Imagine 2 and Real 3D v1 have both turned up on a certain magazine's cover disk that we sometimes pain ourselves with reading. If you missed them you should be kicking yourself. Cinema 4D is a very nice package for £199, but you really will need to think about an accelerator, whatever package you want to use.

Putting the keyword @WORDWRAP near the beginning of your AmigaGuide cunningly cures your problem, but that only works under Workbench 3. Is that it, no more questions?

DEVIOUS DEVICES

I am having great difficulty in making my A4000/EC030 recognise and mount an internal Toshiba XM-5301B CD-ROM drive I have just installed. The ID of the CD has been set to 2 to avoid any conflict with the IDE drive which seems to be set-up as zero.

The SCSI interface I am using is the GVP A4008 SCSI card and I have used the AmiCDRom program to set-up all the necessary system files and auto mount the CD-ROM as CD0:, and the CD is terminated.

On booting the system, the CD's busy light flashes six times and then the CD-ROM handler produces an error saying 'Cannot open scsi.device' unit 2'. On aborting, the rest of the system loads in fine. I have checked the board and all the connections, but everything seems fine.

Reg Bartle, Hull

You have done everything correct apart from one tiny little detail. The GVP board does not use the scsi.device. When you used the installer with AmiCDRom there should have been an option to use the gvpscsi.device. This is the correct device to use.

You can either alter the current CD0: DOS drive, or reinstall the AmiCDRom software. Another useful piece of software is SCSI mounter. This lets you view what SCSI devices are attached to a specified device driver, and will help you clear up any similar future problems.

UPGRADE

I currently looking to upgrade my system and would like to know a little more about big box Amigas. Ideally, I would like an A4000, but even to buy a standard one is out of my price range. However, a second-hand A1500, A2000, A3000 may be possible.

What I would like to know is that when using A3000 AGA, is necessary if you use an RTG card such as the Cybervision64 or the

acas

Do you have a problem? Do you sometimes find yourself poised over your Amiga with axe in hand, spouting profanity at the stubborn refusal of your software or hardware to behave properly?

Well, calm down and swap the axe for pen and paper, jot down your problems, along with a description of your Amiga setup, and send it off to Amiga Computing Advice Service, IDG Media, Media House, Adlington Park, Macclesfield SK10 4NP. Alternatively, e-mail us at ACAS@acomp.demon.co.uk

WORKS OF ART

Where can I get CGM clipart from? I have Wordworth 3.1SE and am fed up with the poor, jagged print quality of bitmap graphics in my documents. I am aware that Digita sell CGM clipart but feel this is expensive compared to the amounts of data that can be stored on a CD. Do you know any CDs that have CGM clipart on them? I also have lots of EPS clipart, but as Wordworth 3.1SE doesn't support it, is there any way to convert them all?

Secondly, where can I get a colour VGA monitor from, and how much will it cost? I currently use a colour television but am fed up with the poor picture quality especially when doing DTP work.

Gareth Moyle

Perhaps a little idea there for Digita – put all your clipart onto CD. E.M.Computergraphic are about to release their Phase 2 CD which will include CGM clipart, along with a lot of other DTP-related material.

As far as I know, there is no program that will convert EPS to CGM. Your only option would be to convert the EPS to a bitmap, but this really misses the point of having the EPS files in the first place.

You could buy a VGA monitor from any Amiga or PC shop – just make sure it accepts the Amiga DblPAL scan rates and you get the correct leads. You would really be best off getting one of the Amiga-specific monitors because you are assured of getting a monitor which will work properly.

Picasso II, and now the Blizzard 2060 is available what, if any, are the advantages of owning an A4000?

The main idea is that as funds become available, I will be able to improve my system. I do not play games much but would like to be able to do some good quality graphics works and ray tracing, along with a few other minor things.

I do remember reading that an A1200 tower will have the Zorro III slots needed to use RTG cards. If so, is this another option I could consider, or have I got the wrong end of the stick?

Colin Reeve, Lincoln

It is important when considering such an upgrade that you now exactly what you will want your new system to be capable of. The A3000 is not AGA, but the main disadvantage in not owning an AGA machine is that you will not be able to play AGA games, or use programs that make direct use of the AGA chipset – the two main programs being DPaint and Scala.

If you are considering using the Cybervision 64 you will need to buy a machine with Zorro III slot, which would restrict you to an A3000 or A4000, but if you are planning to buy a 060 accelerator such as the Cyberstorm, a plain A3000 is not big enough – only an A3000 tower will fit the bill, and these are very rare.

An A2000, along with a Blizzard 2060 and a Picasso II, would make a pretty awesome set-up for a graphic artist. You will need to make sure you have Workbench 3.1, so you can have a 256 colour Workbench, and a Megachip upgrade would also be very handy, allowing you to have the full 2Mb of chip memory. The only advantage gained in owning a A4000 would be having Zorro III slots and the AGA chipset.

If you can live without these then a A2000 would be just as good an option. The A1200 tower only comes with Zorro II slots, but will give you a similar set-up to having an A2000. However, you automatically have an IDE interface on the A1200 mother board, the AGA chipset and, of course Workbench 3, so it is an option you may want to consider.

QUESTIONS QUESTIONS II

I have a standard A4000/EC 030, and while my system has one version of Setpatch and the colourwheel.gadget, I have come across others. My version of Setpatch is 39.6 while the other version I have come across is 40.16.

When run, there seems to be a large difference in what the newer version actually does. What are the enhancements and would I notice?

I have a Star LC-10 printer and would like to know how to get MultiView to print out in colour?

Why doesn't someone develop a cheap graphics board to gives the SVGA capabilities you get on the PC. All I want is a stable resolution that is the same for everything – games, requesters and applications. The A3000 had something like this, did it not!

Will the AGA machines be upgradable in all areas such as audio and video in future specifications, short of changing the motherboard, and might it be a cheaper option?

Who decides upon the titles that appear in your journal and where do they get their inspiration from?

Tom Haslam, Leicester

The 39.6 version of Setpatch is the original one you get with Workbench 3. This new 40.16 version comes with 3.1, but was also distributed along with the Commodore developer disks. As far as I know, Setpatch is freely distributable, and as you state, even if you use the patch you probably will not notice the difference.

Generally, you should use a newer version of any file, but this does not necessarily mean you will see any difference. The main use of Setpatch is to correct bugs or mistakes in the operating system, so it can potentially correct some vital bug. Also, if you have an AGA machine, one function performed is to kick in the extra features of the AGA chip set.

How do you print in colour? Well, if selecting Colour in the PrinterGfx preferences does not do the trick, I cannot really help much more.

The main reason that a SVGA will not be specificaly produced for the Amiga is that the company would probably go bust. The Picasso is the closest thing you will get to a cheap SVGA card on the Amiga. The plain fact is that PC cards get a much much wider distribution and there is a lot more competition which has driven the price so low. You should also remember that you normally get software thrown in with Amiga boards.

Currently is seems that Amiga Technologies will be fairly busy developing a new RISC based Amiga. This will involove porting the Operating System to run on the new processo.

If a new chipset is developed I doubt there will be an upgrade path for A1200 owners. On the A4000 front it maybe possible for a card to be made but it would mean Amiga Technologies would have to use some of their resources developing an upgrade card, and those resources would be better spent on any new machine.

As for the A3000, it had a flicker fixer built in as standard, not a graphics card. It would have been very handy if the A4000 came with one, as you could use standard PAL/NTSC modes in Hi-res laced without the annoying flicker. Commodore however side-stepped this by employing the scan doubled software solution which gives us the very slow DblPAL screen modes.

Normally the writer of the article is inspired by copious amounts of alcohol while down the pub. This helps them think up a hilarious headline which is then savagely and mercilessly chopped and changed by our lovely production editor.

FORCE SOFTWARE

Amiga Hardware & Software Suppliers

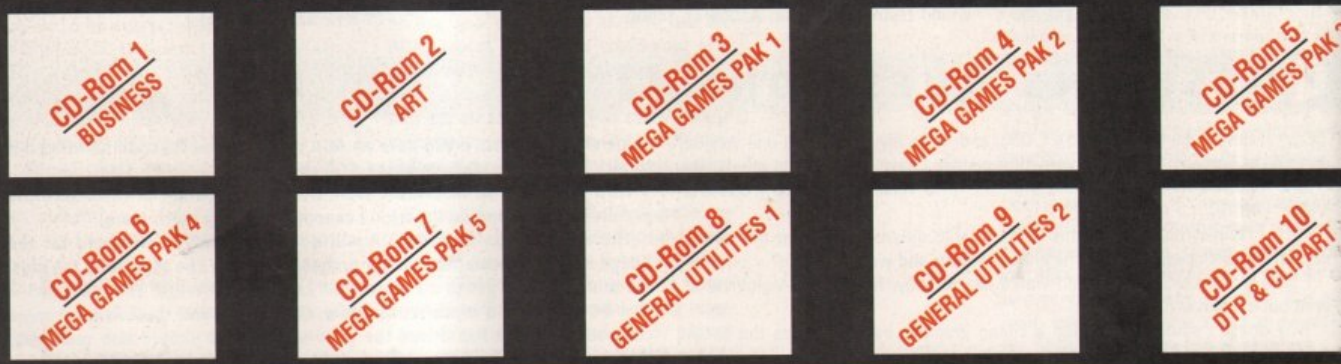
AMIGA CD-ROM TITLES

A collection of 10 CD-Rom titles from the USA with the greatest collection of software ever compiled on the Amiga range of computers. Each CD-Rom contains over 1.2 gigabyte of the following:

Art, Business, Comms, Games, Virus Killers, Clipart, Pictures, DTP & General Utilities.

A must for any CD-Rom drive owner!!
All files are in a compressed format with decompression software included. A vast majority of the software can be installed onto a hard drive or loaded from floppy disk.

The Following titles are available:



Each CD-Rom costs only £40.00 inc VAT

Discounts are available on 2 CD-Roms or more.

SPECIAL OFFER TO ALL READERS

Buy any 2 CD-Roms for only £80.00 and choose a further CD-Rom for only £20.00 (one order per customer only)

Telephone your orders on 0374 792623 Mon-Fri 9am to 5pm

AMIGA BACK CATALOGUE TITLES AVAILABLE

Each of the following titles is open to offer. Please phone us with the best price available. The best offers from customers will secure your software title.

Ad Pro
Brilliance 2
Deluxe Paint 4.6 AGA
Deluxe Paint 5.0
Final Copy 2 V2
Final Writer V3
Image FX V3
Imagine 3.1
Light Wave 3.1
Pelican Press Pro
Pagestream V3.0
Personal Paint V6.1
Pixel 3D Pro
Pro Print
Scala MM400
Super Jam
Media Point
Protext V6
Vista Pro V3.05
Wordsworth V3.A

AMIGA 1200 AGA GAMES – Only £9.99 per title or 2 titles for only £17.99

Aladdin
Bloodnet
Bubble n Squeek
Burntime
Champ Rally
Deluxe Galaga
Detroit
Dream Web
Fields of Glory
James Pond 3
Jungle Strike
Kick Off 3
King Pin
Klondike 3
Lion King
Lords of Realm
Megaball 3
Out to Lunch
PGA Tournament Golf
Pinball Illusions
Premier Manager 3
Road Kill
Shadow Fighter
Skeleton Crew
Soccer Superstars
Subwar 2050
Super Stardust
The Clue
Theme Park
Top Gear 2
UFO

AMIGA 500 GAMES – Only £9.99 per title or 2 titles for only £17.99

Akira
Alien Breed Tower Assault
Alien Target
All Terrain Racing
Arcade Pool
Bandit Mania
Base Jumpers
Benefactor
Bloodnet
Bubblegun
Burntime
Cannon Fodder 2
Centre Court Tennis 2
Championship Manager 2
Crystal Dragon
Cyber Games
Dawn Patrol
Death Mask
FIFA Soccer
Gunship 2000
Heimdall 2
Ishar 3
Jungle Strike
K240
Kick Off 3 Euro Challenge
Lord of Infinity
Lords of Realm
Mortal Combat 2
Mr Blobby
Over Lord
Power Drive
Premier Manager 3
Reunion
Robinson's Requiem
Ruff 'n' Tumble
Sensible World of Soccer
Shadow Fighter
Soccer Superstars
T-Racer
Theme Park
Top Gear 2
Touring Car Challenge
Tubular Worlds
UFO
Universe
Vital Light
Whizz
Wild Cup Soccer
X-It
Zee Wolf

Sampler CD Available on all the above CD-Roms for only £30.00 inc VAT

We are so confident that you will enjoy these CD-Roms that we will refund your money to you in full if you are not satisfied in any way with your purchase. We have sold over 350 of these titles to date with full customer satisfaction guarantee. What more can we say?

Please make cheques or postal orders payable to Force Software & send your order with name and address included to:

Force Software, 1 Chisholm Place, Grangemouth, Stirlingshire, Scotland

To receive our latest CD-Rom & disk catalogue please fill in details below and send to the above address

Name: .....

Address: .....

.....

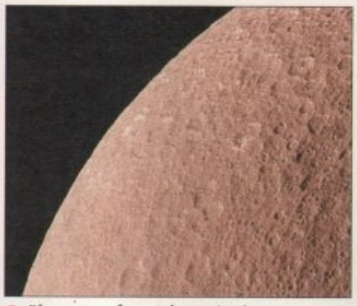
..... Tel: .....

We can also supply customers with the latest PC CD-Rom software price list – available on request.

Please add £4 P&P for CD-Rom software & £2 for disk software All orders will be sent by 1st class recorded delivery. All prices include VAT. All offers are subject to availability. Please allow up to 10 day for cheque clearance. All orders will be despatched when appropriate funds have cleared, but please allow up to 21 days for delivery.

ATTENTION ALL DISTRIBUTORS: *Wanted, overstocks and discontinued lines of Amiga CD-Rom and disk software, PC CD-Rom software. Will purchase upto 1000 titles, please send list to the above address.*

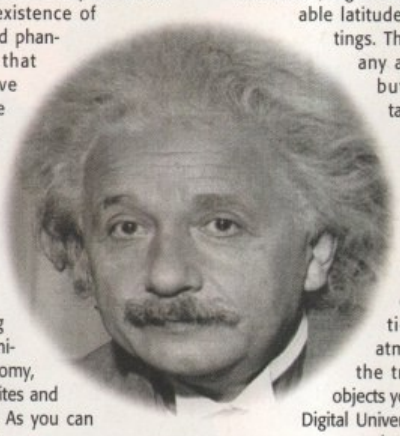
DU's encyclopaedia also has a plethora of surface images - this one is Mercury



Rhea - one of our solar system's prettier moons, orbiting Saturn

launched (and their mission details), including Cassini which is due to launch in 1997 and is set to explore Jupiter.

There are also speculative chapters on the possibilities of the existence of extra-terrestrial life and phantom planets that astronomers have thought to exist – like the counterweight star or planet Nemesis. It then goes on to examine other objects in the universe in quite some detail and finally, there are appendices dealing with astronomical definitions, people in astronomy, and the brightest satellites and asteroids in our skies. As you can see, that's quite a features list for a text book and I could have filled the entire spread for this review detailing the chapters that go to make it up.



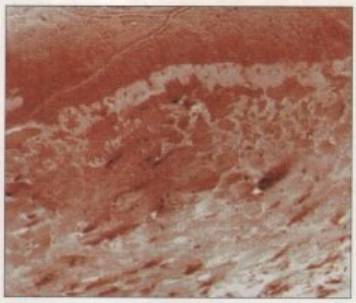
I still think that Digital Universe should have the picture of him sticking his tongue out

So how does the program itself compare to VRLI's offering? Well, on first appearances it stacks up pretty well. Digital Universe uses all the latest theories on planetary motion (VSOP87) which means it is accurate to within 1 arcsecond (1/3600th of a degree) – important at great distances. Digital Universe also accurately calculates the orbits of all our solar system's planet's moons.

If you are worried about not having enough to look at, fear not, Digital Universe contains, as standard, the Yale Bright Star catalogue, the Smithsonian Astrophysical Observatory catalogue, Messier's deep sky objects, the NGC 2000.0 catalogue and databases for cometary orbits, asteroid orbits, and earth orbiting satellites. Now that gives you a total yield of well over a quarter of a million skybound objects to peer at. If that isn't enough, you can call me Charlie, strap me to a Saturn 5 and send me into orbit.

In addition, Digital Universe has user-definable latitude and longitude settings. These are essential to any astronomy package, but Digital Universe takes the process one step further by also asking you for the altitude and air temperature of your location. This is a consideration if you want to deal with effects like the refraction caused by the atmosphere distorting the true location of the objects you are looking at.

Digital Universe can also correctly deal with precession and nutation, which both deal with the slight wobble that all planetary bodies are subjected to by the gravitational pull of other objects; proper motion, which deals with the fact that the constellations we can see change over time due to the fact that they are changing their relative positions to one another because they are all moving; and aberration, a correction applied due to the difference between the speed of the earth's motion through space and the light reaching us from space.



Triton - the most godforsaken outpost of the solar system, there isn't even a MacDonalds

Digital Universe isn't yet perfect, no matter how glowing a review I have given it so far. It would be great to have off-planet views like Distant Suns has had for quite some time, and its speed isn't quite up to scratch. On another front, the only time I could get Digital Universe to crash was when it was running on a Picasso screen, which doesn't bode well as Digital Universe is the sort of program that would really shine given a higher resolution screen and more colours to play with. AC

COLOUR LIMITATION

One aspect that is a bit of a let down is the quality of the images that come with Digital Universe. Rather than the supplied 16 colour or HAM files, it would be much nicer to have 24-bit pictures saved in Jpeg or PNG format, which would then be degraded by Multiview's Datatypes to a colour resolution which best exploits each individual machine, rather than aiming for the lowest common denominator. This would bump the install set even further, of course, but if you are willing to install 17Mb of files, I'm sure you wouldn't mind installing 25Mb.

But why not go the whole hog and release the software on CD? Then you wouldn't have to be limited by a floppy distribution, and this software is so good I'm sure anyone with even the vaguest interest in astronomy would be willing to buy a CD-ROM drive in order to use it.

CONCLUSION

Digital Universe is a nova in the heavens. It is by far the most professional piece of software I have seen for a long time and for a first version it is incredibly complete. It is a bit slow on the update, particularly when you have lots of objects in the sky, but with more and more people having an accelerator these days, it shouldn't pose too much of a problem.

I would love to see future revisions of the software ditch the floppy install set and proceed directly onto CD-ROM (it would probably be cheaper too), which would open up the way for more, better quality images and even animations. Finally, I would say that Digital Universe is probably the biggest bang you are likely to find, especially for your buck.

Bottom line

REQUIREMENTS

RED *essential* **BLACK** *recommended*

Hard drive | 3 Mb RAM | 2.04 Kickstart

6 Mb RAM | 68030/040 | 68882

PRODUCT DETAILS

Product:	Digital Universe
Supplier:	Syzygy Research & Technology Ltd.
Price:	£89.95 incl p&p Optional encyclopaedia £47.95 incl p&p CAN $149.95 Optional encyclopaedia $69.95 US $129.95 Optional encyclopaedia $64.95
e-mail:	sales@syz.com

SCORES

Ease of use	82%
Implementation	93%
Value For Money	98%
Overall	91%

Universal appeal

Ben Vost boldly goes where no man has gone before

Probably since the dawn of mankind, people have looked up at the night sky in wonder at the points of light hanging there in the blackness. Greek philosophers like Aristotle waxed lyrical about the êther, and the generally held belief was that the earth was the centre of the universe and that every other body revolved around it in the heavens. By 134BC, Hipparchus had managed to catalogue some 850 stars and in AD150, Ptolemy created a 13 volume epic called Mathematike Syntaxis which expanded on Hipparchus' work and was to be the foundation of all astronomy for the next 1400 years.

Then, in 1543, Copernicus dared to question the established belief that the sun and all the other planets and stars revolved around the earth. Unfortunately, his premise relied on the parallax effect we know so well from computer games, which could not be easily observed with the instruments of the time. But in 1608 a Dutchman named Hans Lippershey invented a tool called the telescope and astronomy really exploded.

Gallileo is probably the most famous astronomer for trying to confirm the Copernican theory of heliocentricity (object revolving around the sun, rather than geocentricity, where objects are revolving around the earth). But he was forced to renounce his theories by the Inquisition and placed under house arrest until he died in 1642.

Space race

The progress of astronomy has been rapid ever since, with names like Kepler, Newton, Herschel, Einstein and Hawking, and the discovery of Uranus, Neptune and Pluto, quasars and black holes. The Hubble Space Telescope, with its inherent advantage of being unencumbered by gravity and the earth's atmosphere, is already bringing us pictures of unequalled clarity and data from the furthest reaches of space. Ten years ago, if you wanted to image data from space you had to book extremely expensive time on a mainframe computer. Now there is Digital Universe for your Amiga.

I'm not going to say that Digital Universe is like no other package on the Amiga because the pedants among you will point out the fact that Distant Suns is also an astronomy package. However, the depth of detail in Digital Universe far outstrips that in Distant Suns as I shall endeavour to explain.

For a start, I believe that Distant Suns comes on a grand total of five disks, a figure somewhat swamped by Digital Universe's fourteen (yes, you do need a hard drive). This is mainly because Dan Charrois, the author, has decided to map the planets and moons in our solar system to the best of his abilities and the available data. This means that rather than looking at a static bitmap when you zoom into Jupiter, you are actually looking at the mapped surface of the planet itself (yes, I know that it isn't the surface you see through a telescope but clouds, but you get the idea. Perhaps I should have chosen Mars?) which will rotate in time. You can actually watch Venus' almost interminable day take place (equivalent to 243 earth days and actually longer than its year of 225 earth days), at an accelerated pace of course!

All these bitmaps for the planets' surfaces are one thing, but another expense in terms of hard drive space is the on-line encyclopaedia which gives details about pretty much anything you could wish to know. This encyclopaedia alone would be worth the pri charged for Digital Universe, so it's an adde bonus to get such a good looking planetariu package to go with it.

If, like me, you don't much go for readi vast amounts of text off the screen, you cou always stump up the extra $55-odd you ha to pay for it. What you get for that money is ring-bound, 700-page volume delineating that is in the AmigaGuide online encyclopa dia, but presented in a manner that wou allow you to browse it on the train.

Section guides

The encyclopaedia is split into several ma sections detailing the history of astronomy far, general principles, laws and guidelin used by astronomers today, a detailed gui to every planet and moon in our solar syste all the spacecraft that have thus far be

An atmospheric anomaly in Neptune's frigid and thin atmosphere

Jargon box

Datatype – Datatypes were introduced with Workbench 3.0 and are modules for loading different file types. In theory, any program can use datatypes for loading files, thus creating a system-wide translation tool.

PNG format – when Unisys told Compuserve that it had to pay royalties for using the GIF graphics format, the search was on for a free replacement. PNG is a compact graphics format that can handle up to 48-bit colour, compression, alpha channels, and may other features. The only software to support PNG so far on the Amiga is Cloanto's Personal Paint. Cloanto have also released a PNG datatype into the public domain.

Parsec – (I know I haven't mentioned it in the review, but I just wanted to let you know what it was...) A parsec is the distance at which 1AU (astronomical unit, the distance from the earth to the sun) appears to cover an area 1 arcsecond (that's 1/36000th of a degree) wide. Cool huh?

Saturn's rings, moon and surface in beautiful detail courtesy of Digital Universe

DU's encyclopaedia gives you details of every space mission there ever was

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®. Now the choice is 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."

From design to color separations, this ad was produced entirely with ProVector 3. Copyright © 1995 by Stylus, Inc.

Stylus, Inc.
P.O. Box 1671
Fort Collins, CO, USA 80522
(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.

beginner's guide

Part 1

Turbo-charge your way around Workbench and Amiga DOS with ***Steve White,*** revealing hints and tips for true Amiga harmony

The one thing that puts your Amiga above rival home computers is its versatility, power, and ease of use, and certainly its most attractive feature is Workbench – the Amiga operating system's graphical user interface (GUI). Both Apple Macintosh and Microsoft have, and still are, desperately trying to emulate Workbench but have consistently failed miserably.

You may have noticed the recent Microsoft advertising campaign in which punters gasp in awe at Windows 95's multitasking capabilities. Well, your Amiga has been equipped with true multitasking since day dot and, unlike Windows, doesn't crash every five minutes. With all this power at hand, it is surprising, though, that many new and old Amiga owners still don't fully appreciate or understand the true capabilities and user-friendliness of their machine's front-end.

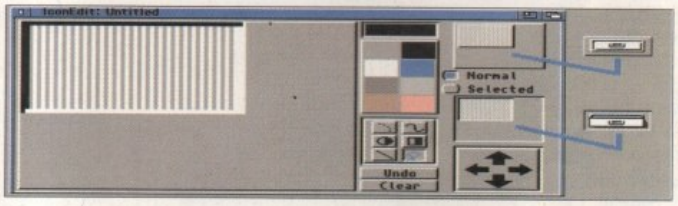
What this article will do is explain the many hints and tips that will make your relationship with your Amiga a personal and rewarding one. With perseverance these techniques should eventually become second nature, and I guarantee you will find working with Amiga Workbench quicker, more flexible and, more importantly, fun. The different subjects have been provided in such a way as to provide you with a quick reference to particular topics without having to wade through heaps of non-related text.

WINDOW DRESSING

When you first load Workbench it looks rather dull. However, the real powerhouse behind Workbench is its flexibility of design, allowing you to change its appearance to suit your personal requirements.

You can change the look of icons and indeed the Workbench backdrop and windows by running the appropriate program in your Prefs drawer. Drawing icons in IconEdit isn't a good idea though and it's quicker to design them in a paint package such as Deluxe Paint.

Two icons are needed – one for when not selected and another for selected. Grab each icon as a brush and save them to the RAM Disk. You can then load them into IconEdit as images in the indicated selected and non-selected slots. All you then need to do is save it by selecting the program you want the icon for in the save requester, and clicking Okay. Remember that there are different icons for different file types. You must select the appropriate icon type from the Type menu in IconEdit before you save it. A full list and explanation of icon types is available in your Workbench manual.



Rather than design icons in IconEdit, it is more advisable to use a paint package which features more drawing tools than the former

The WBPattern program is slightly different in that it doesn't allow you to design backdrops, only select them. You can use your paint package again here in order to create a suitable image. There are two ways you can design backdrops – full screen or brush. Full screen is just that, a full screen backdrop, and brush is simply a section of the screen that is grabbed as a brush and tiled by WBPattern over your Workbench or windows. The benefits of brush pattern tiling are obvious as they don't take as much hard drive or floppy disk space as full screen patterns.

BETTER ACCESS

Workbench is initially neatly tucked away in drawers but as you become more confident you will find yourself calling on certain programs time and time again. Wading through drawers every time eventually becomes annoying but Workbench offers an easier way to access commonly used programs.

You can keep any icon type out on the Workbench desktop by simply clicking once on the icon and selecting Leave Out from the Icons menu. This doesn't move the icon but simply instructs Workbench to show it on the desktop rather than the previous location. You cannot delete an icon while on the desktop so you need to put it back where it came from by clicking it once and selecting Put Away from the Icons menu.

If you're tired of wading through drawers for a program simply move it to the desktop with the Leave Out menu option

NEAT AND TIDY

A tidy Workbench is a happy Workbench and a happy Workbench is a happy user. Once you start creating your drawers and copying and deleting files, you'll realise that Workbench can soon become cluttered, especially drawer contents.

You can keep your desktop and window neat and tidy by selecting all the icons and then selecting Snapshot All from the Window menu. Snapshot fixes the icon to the position you specify. A better way to do this is to use keyboard short-cuts which allow you to perform functions without needing to use the mouse.

All keyboard short-cuts are accessed first by holding down the right Amiga A key to the right of the Space bar and pressing the appropriate key (keyboard short-cuts are also known as Hotkeys). You can find all the appropriate short-cuts alongside the menu item they represent. For example, right Amiga A and . (full stop) cleans up the contents of a window, right Amiga A and A selects all the files in a window.

They're not just there for cosmetic purposes – keyboard short-cuts increase your speed when working with Workbench

beginner's guide Part 1

NOW YOU SEE IT...

When you open a drawer on Workbench, programs and further drawers are shown by their attached icon. But not all programs and drawers have icons and initially, these don't show up.

If you find yourself looking for a particular item which doesn't appear to exist select the Show - All Files option in the window menu. The result of this is that Workbench attaches temporary icon images for any files and drawers that don't have an icon of their own. You can then interact with them in the same way you can with normal icons. If you snapshot the drawer with the Show - All files option selected it will stay this way permanently, or until you change it back to Show - Only Icons.

Not all files and drawers have icons but they can easily be viewed by choosing to Show - All Files from the Window menu

ICONS

When you create a new drawer Workbench automatically attaches an icon to it – this is also what happens when you format a disk. Thankfully, these icons aren't written into the Amiga's chips and can therefore be changed to other icons of your choice.

These icons, known as default icons, are read by Workbench from the Sys directory (drawer) which can be found in the Prefs/Env-Archive. All the default icons are preceded by def_ and end with .info (indicating an icon) – for example, def_drawer.info, def_tool.info, def_disk.info etc.

With this knowledge, you can create a new icon as explained in the Window Dressing section, select the correct icon type, and then save it over the original def_ icon in Prefs/Env-Archive/Sys.

TRUE MULTITASKING

Unlike other home computers, the Amiga has boasted true multitasking since it was first released many years ago. Multitasking may not appear very useful to the beginner but as your experience increases it soon becomes a powerful ally.

Multitasking allows you to run several programs at once without your Amiga choking and eventually crashing. You can switch between programs by clicking on the depth gadget at the top-right corner of each screen, but a far simpler and quicker way is to use the keyboard short-cut right Amiga A and M. This switches between program screens without you having to use the mouse.

RUNNING

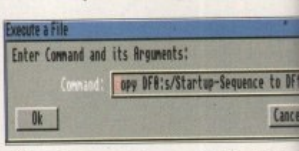
You will notice a drawer on your Workbench disk called WBStartup. This drawer is used to automatically load programs every time Workbench boots (loads).

Therefore, if you want to run a particular program of your choice when Workbench loads, simply drag it into the WBStartup drawer using the mouse. In order to load successfully, the program you drag into WBStartup must have an icon attached.

SHELL

The Shell is your interface to the Amig DOS (Disk Operating System) and located in the System drawer. If you a exploring Amiga DOS you may be inte ested to know that you don't have load Shell up every time you want enter a DOS command.

If you look in the Workbench menu your desktop you will notice an optio entitled Execute Command. By selecti this, Workbench provides you with Intuition window in which you can ty any DOS commands just as you would the Shell. Execute Command is so use that I rarely use the Shell anymore.



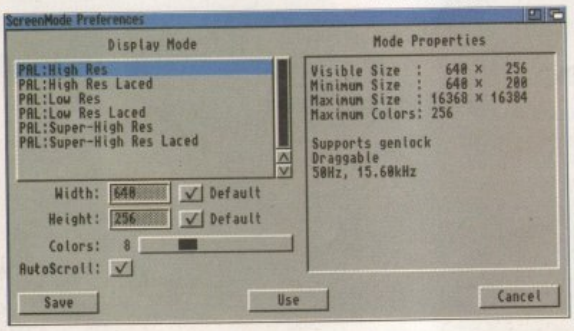
The Execute Command... function in the Workbench menu is a quick alternative to the Shell

INTUITION

Not only does your Amiga have a Workbench but also Intuition, used by Workbench to communicate with you, the user. It consists of windows containing different types of buttons, gadgets and images that allow you to interact with Workbench comfortably and with relative ease.

Most of your Intuition experience will be involved with clicking buttons and entering text. A quick way to delete text in a gadget is to use the keyboard short-cut right Amiga A and X which will delete all the text at once. The only other alternative is to tap away at the Delete or Backspace key until the text is erased.

The Amiga's Intuition capability is far superior to any rival computers and allows you to interact with your Amiga



USE YOUR TOOL

Most programs that come with Workbench utilise ToolTypes. If you click once on the Poin program's icon and then select Information... from the Icons menu you will see a list ToolType definitions below the icon image.

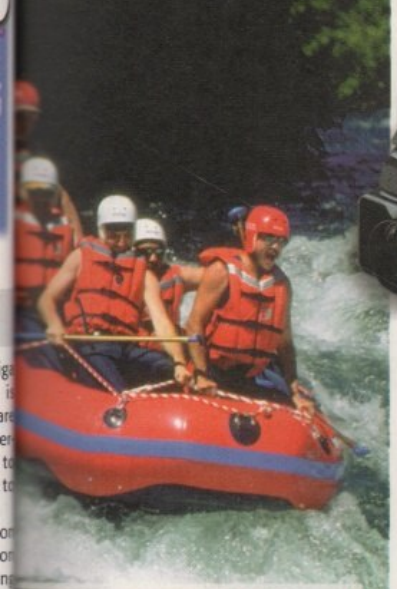
These ToolTypes are used by the program and also by Intuition to control how the p gram works. If you have copied a program to the WBStartup you may have noticed t when Workbench loads, a requester appears stating that the program ??? has not quit yet.

To stop this in future you need to add the DONOTWAIT ToolType to the programs ic Repeat the process mentioned for the Pointer icon above, click the New button to ad new ToolType, and then type in DONOTWAIT. Press return and then click on the Save but to store the new ToolType. When you reboot again the program will load without a hitch.

Tool Types can be accessed by clicking on the icon once and selecting Information... from the Icons menu

Pro GRAB™... *Rapid Frame Grabbing on your Amiga*.

Now compatible with both VHS and S-VHS!



The revolutionary S-VHS ProGrab™ 24RT Plus with Teletext is not only the best way to get crisp colour video images into your Amiga, from either live broadcasts or taped recordings, it also costs less than any of its rivals. This real time PAL/SECAM/NTSC* 24-Bit colour frame grabber/digitiser has slashed the price of image grabbing on the Amiga and, at the same time, has received rave reviews for its ease of use and excellent quality results. ProGrab™ has earned honours from just about every Amiga magazine and Video magazines too!

And... with ProGrab™ you needn't be an expert in Amiga Video Technology, a simple 3 stage operation ensures the right results - Real Time, after time.

STAGE 1...

Select any video source with S-VHS or composite output. This could be your camcorder, TV with SCART output, satellite receiver, domestic VCR/player or standard TV signal passing through your VCR/player... the choice is yours.

Grab images with your camcorder including S-VHS...

or, Take a signal from a TV with SCART output...

or, Use the signal from your satellite receiver...

or, Grab TV or video pictures from your VCR's video output including S-VHS.

STAGE 2...

With ProGrab's software, select an image you wish to capture using the on screen preview window and Grab (because the hardware grabs frames in real time, there's no need for a freeze frame facility on the source device!) Once grabbed, simply download and view the full image on your Amiga screen. ProGrab also includes a Teletext viewing and capturing facility from either TV or satellite sources.

STAGE 3...

Use the 'grabbed' image with your favourite word processor, DTP or graphics package.

ProGrab **really does** make it that simple!

ProGrab™...
Supports all recent Amigas and is also fully AGA Chipset compatible. You can render images in any Workbench screen mode resolution including HAM8 mode (Amiga RAM permitting).

ProGrab™...
Saves and Loads images in IFF/ILBM, IFF/ILBM24, JPEG, BMP, PCX, and TARGA file formats. ProGrab saves animations as Anim5 files and animations with sound (requires PCMCIA interface and separate sound sampler) as Anim5 + 8SVX files. A range of image processing effects, palette computing routines (AGA only) and dithering methods are also new to ProGrab Version 2.5.x Photogenics fully supports ProGrab with a custom 'Loader' to enable grabs directly from within the program - saving YOU time!

ProGrab™...
Software has built in mono and colour animation facilities. The number of frames is dependant upon your Amiga's RAM.

ProGrab™...
Release 2.5.x software now includes...

- **SUPPORT FOR VIRTUAL MEMORY**
  Allows the highest resolutions - Even with low memory Amigas (All Hard Drive Systems without the need for an MMU, requiring just 1Mb. Hard Drive Space).
- **ADDITIONAL TELETEXT FACILITIES**
  With either Terrestrial or Satellite TV signals.
- **LARGER PREVIEW WINDOW**
  Double Resolution and 4 times the area available with previous ProGrab software.
- **INTERNATIONAL SUPPORT**
  Now works with composite PAL, SECAM and NTSC Straight from the box!

*Standard ProGrab hardware is PAL/SECAM/NTSC compatible. Interlace mode options are available with PAL & SECAM only. NTSC Only models are available to special order which then support the interlace mode fully. Please ask us for full details.)

For just £129.95...

ProGrab is supplied with everything you'll need✚...

- **ProGrab™ 24RT Plus Digitiser**
- **Mains Power Supply Unit**
- **User Manual**
- **Latest ProGrab Version 2.5.x Software**
- **Parallel Port Connecting Cable**
- **Input sockets for Composite and SVHS.**

PCMCIA Interface for A1200 and A600 - Only £34.95

ProGrab's optional PCMCIA Interface includes the latest version software and extends performance for serious/professional users - offering the following benefits...

- Faster Downloading Times (up to FIVE times quicker)
- Improved animation speeds of up to 11fps (mono) and 3.5fps (colour)
- Sound sampling and animation capabilities (separate sound sampler required)
- Saving of animations direct to your Amiga's hard drive
- Freeing of your Amiga Parallel Port for use by a printer or other parallel peripheral device

ProGrab™ supports any Amiga with Kickstart 2.04 or later & a minimum of 1.5Mb. free RAM.

✚ A video source cable will be required to match your own equipment set up - Ask for details.

Pro GRAB™ SVHS 24RT Plus

Camcorder User commented... "If you're looking for a high resolution 24 bit digitiser then, at this price, ProGrab 24RT represents great value for money."

camcorder USER

ProGrab™ - Voted as **The Best Video Hardware** product for the Amiga. This is especially pleasing because the award comes from the Amiga Shopper magazines readers...

Our **Satisfied** Customers!

ProGrab™ - Amiga Shopper **95% STAR Buy** and remarks like... "Sharp, crisp and faithful to the original colours, we were mightily impressed" and... "Highly Recommended. Whether you are a Videographer or a Graphic Artist, look to the ProGrab 24RT Plus. It's a winner".

Amiga Shopper Star Buy

ProGrab™ - Amiga Format **93% Gold Rating** and comments like... "ProGrab 24RT Plus is quite simply the digitiser to get", "Incredible value for money - no other digitiser offers so much for so little" and "Offers far more features than any other digitiser near the same price".

Amiga Format Gold

CU Amiga said ProGrab™ is... "Just the job for beginners and semi-professionals on a tight budget" and, "very hard to beat. For the money, nothing can touch it".

CU AMIGA

Get **your** hands on NEW ProGrab Plus - Post or FAX your requirements (Quantity Trade Prices Available) on the order form provided OR, if you'd simply like further information please contact...

GORDON HARWOOD COMPUTERS

Gordon Harwood Computers Limited.
New Street, Alfreton, Derbyshire DE55 7BP.
FAX: 01 773 831040 or...
TELEPHONE
01 773 836781

Mr/Mrs/Miss/Ms:	Initial(s):	Surname:
Address:		
County (Country):		Postcode:
Daytime Phone:		Evening Phone:

ProGrab Plus™ @ £129.95 inc. p&p	£ :
PCMCIA Interface @ £34.95 inc. p&p	£ :
V 2.5.x S/W (User Upgrade) @ £4.95	£ :
Optional FAST Courier Delivery @ £6.95	£ :
TOTAL	£ :

Overseas Customers...
Please call for prices, shipping etc.
Card holder's signature:

Card No

Expiry Date | Valid From: (Switch Only) | Issue Number: (Switch Only) | Department: ACO

I enclose a Cheque/Bank Draft/Postal Order for £ : made payable to GORDON HARWOOD COMPUTERS LIMITED

ACTIVE SOFTWARE

Dept AC95, P.O. Box 151, Darlington, County Durham, DL3 8YT
01325 352260
sales@active2.demon.co.uk

HOW TO ORDER

Public Domain Prices

Each Public Domain Disk 99p

Postage On All Orders 75p
Residents outside UK but in E.U. add 10% to TOTAL
Residents in Rest of World add 15% to TOTAL

Catalogue Disk 50p
Contains full listing, F1 Licenceware, CD's etc

Key

[WB2+] Workbench 2+ Only
[WB3+] Workbench 3+ Only
[2D] Number of Disks
[1MB] Minimum Memory
[AGA] For AGA Machines
[030] Minimum Processor
[HD] Hard Drive Needed

BUY 10 PD DISKS GET 1 FREE!!

Make all Cheques and Postal Orders Payable to
ACTIVE SOFTWARE

NEW TITLES

LATEST UTILITIES

U686 VIRUS WORKSHOP v5.6 latest virus killer [WB2+]
U687 VIRUS CHECKER v7.18 another virus killer [WB2+]
U688 BASIC ELECTRONICS v1.5 want to learn electronics? [2D]
U689 TURBO CAT PRO v1.1F much updated version of the disk cataloger. Just put in a disk, read the files and print/save the list. [WB2+]
U691 VMM v3.2 you can now use virtual memory [020+] [WB2+] [HD]
U692 F1-GP EDITOR v3.01 updated '95 version [WB2+]
U693 A SPELL v5.8 adds a spell checker to most text editors [WB2+]
U695 NAVIGATOR v2 This is SUPERB! Allows you to fly around, in realtime, a 3D arena. From architechtural to musical instruments. **NTitler** is a realtime 3D titling system - allows virtual reality modes. 3D text and model effects could be used to overlay onto video or for presentation work. **NWiper** is a presentation system that allows uses texture mapping to make 3 Dimensional IFF picture wipes. Get this now! [WB2+] [020+] [HD] [2 Disks]
U699 MESSY SID v3 allows you to read and write to PC 720K disks without CrossDOS or WB3! Also transfer files each way. [WB2+]
U700 TEXT ENGINE v5 latest version of the superb text editor [WB2+]
U701 DATATYPES DISK need the PNG, Font, REKO datatype!?
These are just three out of many WB3+ datatypes for Workbench on here.
U702 SHAPE SHIFTER v3.2 is the much-raved latest version of the superb Apple Mac emulator. You need MAC ROM's and System 7.5 to use this program. [020+] [WB 2.1+] [4 MB+] [HD Recommended]
U704 MAGIC PAINT BOX DEMO of the F1 title [WB2+]
U705 CHEATS v2.1 000's of cheats here [2 Disks] [WB2+]
U706 VARK CLI TOOLS 9 Loads of great CLI tools.
U708 POWER TITLER DEMO superb video titler - rivals Scala
U710 SONIC DRUM KIT v2.1 FULL version of the drum sequencer
U711 GUI AMOS v1.9 create GUI's for AMOS Pro [WB2+]
U712 PROTECTOR v1.1 protect your hard drive [WB2+]
U713 NUCLEUS PRO DEMO wow! A demo of a forthcoming menu/front-end and interface creator. Allows you to create AGA front-ends for disks, hard drives or CD's with ultimate ease. The best ever. Try this!! [AGA]
U714 FINANCIAL ACCOUNTS v1.21 accounts program [WB2+]
U715 EXECUTIVE MAN v3 executive help for WB [WB2+] [HD]
U716 FIASCO v1 superb database system - easy to use [WB2+]
U717 ULTRA ACCOUNTS 2 decent accounts package [WB2+]
U718 DEMOMANIA v1.80 Complex (you've seen their demos!) have produced this demo creator for you to create scene demos! [WB2+] [2 Disks]
U720 MAGIC 64 wow! At last - load both C64 and T64 files into a C64 emulator with ease. If you're a C64 fan then you cannot miss this program. Loads of features make it the best C64 emulator there is! [AGA]
U721 REMDATE v2.1 personal diary/organiser [WB2+]
U722 FINAL WRAPPER v3.11 create text spirals, swirls, put text onto sine waves etc. For Final Writer release 2/3. [WB2+]
U723 POWER PROCEDUERS v1.30 AMOS extensions.
U724 BLITZ BASIC v2.1 a demo of the forthcoming programming language behind Skidmarks, Blitz Bombers, Gloom etc [WB2+]
U725 XiPAINT v3.4 demo of a good AGA paint package [AGA]

LATEST GAMES

GM248 DELUXE PACMAN AGA Wow a pacman game by the author of Deluxe Galaga.
GM258 BATTLESHIPS A very playable game by the Assassins.
GM263 CODENAME NANO superb thrust game. Get it!
GM264 SCORTCHED TANKS v1.85 multi-player tank game
GM266 BLITZ BOMBERS demo of the multi-player bombers game
GM268 EXCELL. CARD GAMES III A few card games here. [AGA]
GM269 MASTER BLASTER II decent bomb game
GM271 SUPER COMBAT 3 this is a two player version of cannon fooder. Superb graphics - Object to kill other player. [2 Disks]
GM273 REBELLION an asteroids clone with a difference
GM275 MARATHON 2 player action game
GM276 THE DEVILS ABODE written by the author of War of the Worlds. This is a 3D horror adventure. Decent.
GM277 SPEED - DOOMER 2 version 2 of the Doom clone. More graphics, finer detail (walls etc) and much faster scrolling. [AGA]
GM279 ALIEN BASH II very similar to Chaos Engine....very good.
GM280 SKID RACER car racing game, not bad. [WB2+]
GM281 DUCK DODGERS great platform game with ducks [WB2+]
GM282 TRAP 'EM good platform [trap aliens] game [WB2+]
GM283 ZOMBIES Alien Breed style shoot-em-up [AGA]
GM284 DARK ANGEL Flashback style, platform in a power complex
GM285 BLACK DAWN V another version of the adventure [WB2+]
GM286 GALLEONS 2 player 3D shoot-em-up [WB2+]
GM287 ENGINES 2 player thrust game [WB2+]
GM288 HELSINKI FORCE 2 player good karate game [3 Disks]
GM289 CARDZ load and use AGA Klondike cards on ECS Amiga!
GM292 POWEROIDS good, rendered asteroids clone [020+]
GM296 INNER DEMONS spooky adventure [4 Disks]
GM299 SUPER SKIDDY THINGS 3 superb racing program for one or two players. Direct your rubber suited penguins around the ice!
GM300 GRAVITY FORCE II EDITOR edit gravity force 2 [WB2+]
GM301 DELUXE GALAGA v2.6C A super shoot-em-up with the usual additions such as the power-ups, weapons etc. AGA version. [AGA]
GM302 AUTOMOBILES v1.5 superb racing game for the Amiga. Loads of different tracks with the ability to have upto 4 players. [2 Disks]
GM303 EMOTIONAL CONFLICT 3D adventure
GM304 JIGSAW v2.2 jigsaw/strategy game [AGA]
GM305 PRO FOOTBALL v1.1 footie prediction [WB2+] [2 Disks]
GM306 BOOMIN 'ECK dynablaster clone [WB2+]
GM310 COALA DEMO demo of new Coala helicopter game [WB2+]
GM311 FENDERS - TITANIC EDITION car crash derby game
GM312 PENGUINS a demo of a cute platform game [WB2+]
GM313 MOTOR DUAL classic 3D 1/2 player race and chase game between two vehicles - kill the other player before time runs out [WB2+]
GM314 LEGEND OF POUNDS ISLAND 3D adventure [WB2+]

HOT NEW DEMOS

D203 MYSTIC "IMPOSSIBLE IMPOSSIBILITY" Winner of the Primavera party 95. Get this! [2 Disks] [4MB+] [AGA]
D213 PARALLEX/CCN "DEEP" Winner of the Gathering 95 [2 Disks] [HD] [4MB+] [AGA]
D216 FACULTY "MAN ON MOON" Very good demo from Faculty - needs loads of Mem! [4 Disks] [HD] [6MB+] [AGA]
D217 ABYSS "DRUGSTORE" [2 Disks]
D219 SANITY "ROOTS II" wow! A very decent demo release [020+]
D220 FREEZERS "DREAM WALKER" [2 Disks]
D221 FREEZERS "LECH" AGA won the Ram Jam charts "best demo in 1995". Loads of the same routines - tunnels etc.
D222 ARTWORK "GREENDAY" Won a recent party in Germany - very decent all round. [AGA] [HD] [3 Disks]

Latest demos continued.....

D226 SUPREME "CHAOS" [HD]
D227 SCOOPEX "ALIEN" Scoopex are BACK in the '90s with a good demo release! [AGA]
D228 STELLAR "HUMAN" Stellar release "Human excrement in ....", lets say no more!
D230 MELON "PLANET M" another classic release from the guys at melon. Released at a party in the Netherlands recently.
D231 AXIS "PICTURE BOOK" must be one of the best demo releases for many months, comprehensive. [AGA] [4 Disks]
D234 INTERACTIVE "ABSTRACT" another release from the party in the Netherlands. Excellent routines. [HD] [4 MB]
D235 MELON DESIGN "BAYGON" superb cartoonsey style demo!
D236 EMBASSY "THRILLED" Assembly '95 release [HD] [2 Disks]
D237 SILENTS "FRUIT MACHINE" superb Assembly '95 demo!
D238 VANITY "AMAZED" stunning new demo from Vanity, all the usual effects (but more of them!). Get this! [AGA] [3 Disks]
D239 OXYGENE "CONTROL" from the G.A.S.P. party '95. [2 Disks]
D240 PARALLEX "ZIF" G.A.S.P. winner. Good. [2 Disks] [AGA] [HD]
D241 ASSEMBLY '95 INTROS collection of intros
D241 AXIS "TIME & EMOTION" music disk from Axis [WB2+]
D242 HOODLUM "WATER WHISPER" decent effects [AGA]
D243 MYSTIC "FEAR" Intel Outside demo. Good. [AGA] [2 Disks]
D246 TBL "QUE?" new - from Remedy '96 [2 Disks] [AGA] [HD] [4MB]
D247 RAZOR 1911 "FALKORV" wow! [4 Disks] [AGA] [HD] [4MB]
D248 SCOOPEX "ISO" they're back! Get it now! [2 Disks] [AGA]
D249 STELLAR "AURORA" new from Stellar! [AGA]

MISCELLANEOUS

GRAPEVINE 21 superb disk magazine from LSD [2 Disks]
DEADLOCK 9 superb disk magazine by Anathema/Narcosis
NFA WORD 5 disk magazine from NFA [AGA]
NFA WORD 6 disk magazine from NFA [AGA]
NFA WORD 7 disk magazine from NFA [AGA] [2 Disks]
NFA WORD 8 OUT NOW! Latest disk mag from NFA [AGA] [2 Disks]
NFA BODYSHOP 8 [AGA] [3 Disks]
SHERILYN FENN SLIDESHOW [AGA]
PHEOBE CATES SLIDESHOW [AGA]
ERIKA ELENAIK SLIDESHOW [AGA]
NIKI TAYLOR SLIDESHOW [2 D] [AGA]
TINY TOONS CLIPART superb hand drawn clipart
NFA BIG GIRLS II [AGA] [3 Disks]
X-FILES GUIDE guide to the TV Show
GCSE MATHS EXAM PAPERS GCSE help
TRAVEL GUIDE guide for avid world travellers [2 Disks]
UFO : FINDING THE TRUTH [2 Disks]
UFO : FINDING THE TRUTH 3 paranormal and UFO stuff
ALIENS CONFIDENTIAL 2 UFO and paranormal guide
WEATHER GUIDE [3 Disks]
LUCIFERS "UNHOLY INNOCENCE" [2 Disks]
LUCIFERS "WICKED GRIMOIRE" bizarre cult stuff
LUCIFERS "BOOK OF SHADES" [2 Disks]
MAGNETIC FICTION demo of the story collection
KIDS DISK 7 another under 5's program
SCOOPEX "ARTCORE" Doom-like gallery slideshow! [AGA]
NFA SOURCE 'N CODE 2 AMOS source 'disk' magazine
TITANIC II interactive database on the Titanic disaster [2 Disks]
HISTORY OF THE WORLD CUP all explained [3 Disks]

MAIN LIBRARY

MORE UTILITIES

U076 WB3 HD INSTALL DISK Prep, format and install WB to your Hard Drive. [WB3]
U230 TOOLS DAEMON V2.1 Adds tools to your WB Menu. [WB2+]
U239 RE-ORG v3.11 Re-organise your disks/hard disk. [WB2+]
U302 VIEWTEK v2.01 show JPEG and GIF pics with ease. [WB2+]
U317 ACTION REPLAY PRO Action Replay for the A1200 [AGA]
U318 VIDEOTRACKER DATA data files for Videotracker. [4 D]
U349 LIBRARIES + DATATYPES Do you ever need a library? Here's a collection!
U352 MAGIC WB v1.2P The lastest version of the ft-colour icon replacer. Use this with our Extras disks for superb results! [WB2+]
U359 TELETEXT v1.20 Create a teletext receiver [WB2+]
U376 POWERCACHE v37.115 Speed up your Hard Drive access with this cache program. Versions for 00, 020, 030 and 040. [WB2+]
U379 DESKTOP MAGIC v2.0 This program allows you to assign sounds to Workbench functions like mouse clicking etc. [WB2+]
U408 DISK SALV v2.31 This is the best disk/file repairer in the Public Domain. Undeletes/salvage files and repair disks.
U416 AMIGA DOS GUIDE v1 Learn Amiga DOS with this program.
U426 EPU STAKKER v1.70 double your hard drive space! [WB2+]
U434 EDWORD PRO v5 Edword Pro is the most comprehensive and easy to use word processor on the PD market. [WB2+]
U440 SNOOPDOS v3 Use Snoopdos to monitor program activity. An ideal tool to find out what libraries are needed [WB2+]
U453 MAIN ACTOR v1.55 An excellent module animation player. Buy it. [WB2+]
U454 VIDEOTRACKER 2 AGA The AGA demomaker.
U467 T. U.D. E. v1.0D The Ultimate Degrader and Enchancer can be used to degrade A1200/4000's to use WB1.3, remove fast mem etc.
U475 RELOKICK v1.4A FINAL Relokick is the most popular degrader around. Forget the fake v1.41, this is the real thing.
U479 MSDOS FOR AMIGADOS Allows you to use the MS DOS commands on your Amiga. Also use the MSDOS star ":" [WB2+]
U480 HD GAMES INSTALLER II Install Jungle Strike, Aladdin, Mortal Kombat II, Ruff 'n Tumble and about 12 more!!
U487 BIRTHDATE HISTORY v2.21 Check events that happened on your birthday!
U499 M.U.I. V2.3 Create GUIinterfaces. Needed for Mosaic. [WB2+]
U502 GBLANKER V3.6 020 An optimised version for 020/30/40/60 CPU's. [WB3+]
U514 DISK STICK v1.1 A disk labelling program.
U521 ADDRESS PRINT v4 Store addresses and print them to labels.
U523 DOPUS MAGIC COMPANIAN Loads of buttons, AREXX scripts for Dopus. [WB2+]
U533 CAR DATA ANALYST Monitor and test your car's performance. First for the Amiga.
U543 TOOLS MANAGER Allows you to have a "dock" of icons on Wbench. [2 Disks] [WB2+]
U553 GFX CONVERTOR v1.7 Decent graphics convertor. Loads about 10 formats and saves GIF, ILBM, PCX, POSTSCRIPT, JPEG. [WB2+]

More utilities continued.....

U554 SOUND BOX v1.97 Coverts sound samples from IFF, RAW, WAV, MAESTRO, VOC, AIFF and MAUD to any of the supported formats. Ie. load in as IFF save as WAV or load as WAV andsave as IFF. [WB2+]
U560 DELITRACKER II v2.1 A great module player. [WB2+] [2 D]
U564 EXOTIC RIPPER v3.1 module and sample ripper. [WB2+]
U576 BLITZ BLANKER V2.5 Blitz Blanker is another tool that requires the services of MUI (U499). Modularised screen blanker. [WB2+]
U588 PC-TASK V3.10 All new PC Task v3. Demo version.
U594 AMIGA FAX V1.42 Send/receive faxes on your Amiga. [WB2+]
U617 HD GAMES INSTALL 3 Over 20 games such as Super Skidmarks, Sensible World of Soccer to be installed. [WB2+]
U618 TEXTURE STUDIO v1.02 adapt those textures. [WB2+]
U619 BALLS! Superb and powerful Lottery program. [AGA]
U623 AMIGA CD-ROM GUIDE Guide to loads of Amiga CDs - Amigaguide doc. [WB2+]
U628 ICONIAN v2.91 Superb AGA icon editor. [AGA]
U634 FRODO v1.5 The very best C64 emulator for the Amiga. Relive the old games with this. [WB2+] [020+]
U635 DOPUS UTILS 2 Loads of utils for Directory Opus 4/5. More scripts, Arexx routines etc etc [WB2+] [Dopus]
U636 TYPING DEMON Learn how to type very quickly !
U638 ESSENTIAL AMINET 7 Aminet utilities. [WB2+]
U648 HD GAMES INSTALLER 4 loads more installers for your favourite games. Obsession Pinball, Powerdrive etc [WB2+]
U649 enLOCK Lock program for a hard drive [WB2+]
U650 BOOKIE BEATER Beat the bookie at his own game! [WB2+]
U653 SKIDMARKS 2 CARS 4 cars for the **AGA** Skidmarks [2 D]
U656 SUPER DMS v2 A powerful interface for DMS [WB2+]
U658 DOPUS v5>>>>v5.11 UPGRADE Upgrade DOpus [WB2+]
U670 TERM v4.5 00 Term is the most comprehensive communications package in PD, rivals any commercial release. [3D]
U671 TERM v4.5 030 version for 030 processors [3D]
U672 ORGANISER BITS a collection of supplements for Digita's Organiser. [Inside Digita Organiser]
U674 ZXAM SPECTRUM EMULATOR v2B NEW Spectrum Emulator. You need an **AGA Amiga** or 020+ prdoessor.
U677 EASY CALC v2B superb spreadsheet program [WB2+]
U679 AREXX GUIDE v2A want to learn Arexx? [WB2+]
U680 MOSAIC v2B latest version of the Web browser. [WB2+] [TCP 4]
U682 VARK'S CLI TOOLS VOL 8 50 latest CLI tools - get this!
U683 IMAGE STUDIO v2.2 latest version [WB2+] [2D] [HD] [020+]
U684 ESSENTIAL AMINET 8 new and decent uploads here [WB2+]

MORE GAMES

GM58 BLACK DAWN II a popular 3D adventure
GM67 SCRABBLE the classic board game
GM78 STARWOIDS thrust and olds mixed [1MB] [2 DISKS]
GM93 KLONDIKE III for hard drive users [HD] [4MB+] [WB2+]
GM97 TOP HAT WILLY an Amiga "Jet Set Willy" rip-off. Addictive!
GM105 DYNAMITE WARRIORS 2 another bomb clone
GM118 CHANEQUES yes, two please!! A Lemmings type game. Direct your little men (with different skills) to the end. [2 Disks]
GM125 KELLOGS LAND WOW! The best PD platformer ever! [AGA]
GM127 ZAXXON superb! The C64 classic now comes to the Amiga!
GM131 SUPER MEGA FRUITS a good Fruit Machine game.
GM132 SAMURAI SHOWDOWN this is an amusing Street Fighter clone. Good! [AGA]
GM137 MEGABLOCK V2 the best Tetris games on the Amiga.
GM138 CYBERMAN wow! A 3D pacman clone. Very decent indeed.
GM140 INTERNAL COMBUSTION great skidmarks-esque multi-player racing game
GM141 MADHOUSE a graphical adventure game [2 DISKS]
GM147 DELUXE GALAGA v2.51 must be the best PD shoot-em-up ever made!
GM150 ROCKETZ V2.25 superb AGA only 2-player thrust/shoot-em-up game. One of the most addictive multi-player games ever! [AGA]
GM164 CYBERGAMES excellent! A street-fighter clone with gore! This is probably the best beat-em-up games in the Public Domain. [2D]
GM169 MASH Similar to Team 17's new Wormz game. A subtle cross between Lemmings and Cannon Fodder.
GM174 TANKS! excellent tank-war sim
GM176 ALIEN GENOCIDE errr. A Operation Wolf clone? [2 DISKS]
GM178 DOOMER a good Doom clone for the Amiga [AGA] [HD]
GM180 CARNAGE blood, guts and gore and more!
GM183 PSSST AGA remember Pest on the Speccy? Well this is the Amiga version!
GM184 SCREECH another car racing game
GM185 BOARD GAMES Cluedo is the main game here
GM187 FEARS 2 AGA wow! Much better. This is a demo of the finished commercial version! More aliens.
GM188 CARD GAMES DELUXE A program that allows you load and use your Klondike cards! Blackjack and another on here [3 Disks] [2MB]
GM191 CHILD ADVENTURE AGA not as bad as it sounds! A graphical adventure to solve the mystery to clear your name [4 Disks]
GM224 BATTLE DUEL AGA battle duel is a SUPERB multi-player artillery type game. [AGA]
GM226 GLOOM A demo version of the forthcoming Doom clone. [AGA]
GM227 WAR OF THE WORLDS 4 A virtual reality program! [AGA]
GM238 LAST LAP v1 Excellent racing game for one or two players.
GM239 ULTIMATE STAR TREK great strategy game [2 Disks]
GM242 PSYCHUEL Alien Breed style shoot em up [WB2+]
GM245 THE PYRAMID GAME A puzzle platform game. [2 Disks]

MAGIC WB EXTRAS

These contain icons, backdrops, drawers, tools manager brushes and docks and much much more!

Magic WB Extras volume 1	[2 Disks]
Magic WB Extras volume 2	[2 Disks]
Magic WB Extras volume 3	[2 Disks]
Magic WB Extras volume 4	[2 Disks]
Magic WB Extras volume 5	[2 Disks]
Magic WB Extras volume 6	[2 Disks]
Magic WB Extras volume 7	[2 Disks]
Magic WB Extras volume 8	[2 Disks]
Magic WB Extras volume 9	[2 Disks]
Magic WB Extras volume 10	[2 Disks]
Magic WB Extras volume 11	[2 Disks]
Magic WB Extras volume 12	[2 Disks]
Magic WB Extras volume 13	[2 Disks]
Magic WB Extras volume 14	[2 Disks]

Buy all 14 volumes for £25.99 or each volume at £1.98

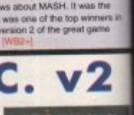
F1 SOFTWARE

F1 Software are a small innovative company, which used to be called F1 Licenceware, that are specialising in cheap, quality oriented Amiga software. Most of these products are the best in their area and offer superb value for money. All programmers receive 25% of the sale price. Coming within the next few months are more unique titles [call for more details]:

AMOS Pro Compiler - Available late 1995
Relics of Deldroneye 2 - late December 1995

F1-14 TOTS TIME £3.99 education programs for kids under 5
F1-31 POWERBASE v3.3 £3.99 superb database program [WB2+]
F1-33 POWER PLANNER £3.99 personal organiser [WB2+]
F1-41 GRAND PRIX MANAGER £3.99 run your own grand prix racing team. 1994 season. Recommended. [AGA]
F1-50 GUIDE TO AMOS v2 £4.99 absolute beginners guide to Amos. Superb guide to help you understand! [WB2+]
F1-56 GIDDY 2 £3.99 Sequel to Giddy.
F1-62 JUNIOR ARTIST £3.99 want to learn how to draw?
F1-67 BUBBLE TRUBBLE £4.99 decent arcade game
F1-68 AQUANAUTA £3.99 superb game. Get this!
F1-74 AMIGA ASSIST £3.99 introductory beginners guide [WB2+]
F1-76 OBSTICKLE £3.99 superb, cute platform romp! Great GFX!
F1-81 AQUAKON AGA £5.99 A little like Doom on water.
F1-83 IMAGE COMPRESSOR £3.99 for AMOS coders [WB2+]
F1-84 WORD PLUS+ PRO v1.3 £4.99 Want to know a word - get this! Used to sell for £14.95! [WB2+]
F1-86 LEGIONS OF DAWN £4.99 Sci-Fi Dungeon Master type game. Choice of several characters and loads of weapons.
F1-87 LEGIONS OF DAWN £4.99 hard drive version
F1-102 AURIGA £4.99 very decent Strider clone
F1-107 GREENIES £3.99 a 3D maze romp affair for 1/2 players
F1-108 PUSH AND PULL £3.99 clear the nasties by pushing various blocks. Superb graphics. AF said "Arcade winner". 1/2 players [WB2+]
F1-109 GUIDE TO WORKBENCH 3 VOL.3 (TOOLS) £3.99 learn more about WB3 with this volume [WB3+]
F1-110 FALLING DOWN £3.99 one of Amiga Format's recent AMOS top thirteen winners - a decent strategy game [AGA]
F1-111 RETURN TO ZANTIS £3.99 another one of Amiga Format's recent AMOS winners - a link-sequel between RELICS of Deldroneye and the forthcoming, long-awaited RELICS 2. Point 'n Click adventure [AGA]
F1-112 AMOSZINE 9 £5.99 latest in the AMOS disk mags. News, views, tips, tricks, source and more for the AMOS programmer. [WB2+]
F1-113 AMOS AGA EXTENSIONS £3.99 wow! It's here. The program that a recent PD library was advertising in EVERY Amiga magazine !! is here for £3.99. The AMOS AGA Extensions allows you to load and utilise AGA pictures within AMOS. Cut blocks, pack screens etc. [WB2+]
F1-114 AMOS DIALOGUE PROCEDURES £3.99 another decent AMOS set of extensions. Use psuedo intuition techniques, GUI interfaces, GAD Tools with ease within AMOS. [WB2+]
F1-115 BLACK DAWN 6 £4.99 the legend continues. After the 'fake' version 5 we are back with another superb graphic adventure. If you are a fan of the previous releases do not miss this. [WB2+]
F1-115 WILLY'S WEIRDY NIGHTMARE £3.99 are you are plat form fan? This is a superb Jet Set Willy clone with excellent GFX! [AGA]
F1-116 EPSILON 9 £3.99 this is the game that will show the power of GRAC version 2. A graphic adventure which is the sequel to Star Base 13.
F1-117 ANT WARS 2 £3.99 a decent scortched tanks clone [WB2+]
F1-118 M.A.S.H. 2 £4.99 everyone knows about MASH. It was the game rated as a Team 17 Worms clone and it was one of the top winners in Amiga Format's recent AMOS roundup. This version 2 of the great game with increased playability, graphics and more. [WB2+]

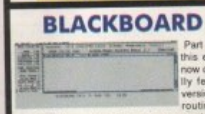
G.R.A.C. v2



Do you admire the commercial games cush as Monkey Island and other adventure games and wish you could program your own version? With the Graphic Adventure Creature v2 you can easily make a point and click adventure game like Epsilon 9 or Relics of Deldroneye. This is the long awarted version 2 which contains many new features such as IFF Anim support, fast character scale and zoom, player multi-switch (switch from character to character on screen), over 30 new script commands, an improved script editor, 32 background objects and many more. A superb release - GRAC is F1's best ever selling title!

BRAND NEW RELEASE **£6.99**

BLACKBOARD 4



Part of the new F1 GOLD range this excellent image processor now comes with an extensive fully featured manual. The new version contains an online help routine, new file formats, new edit facilities, rotate pictures to any angle in 3D, new buffer routines with upto 99 pictures in RAM, new extensive preference links, thumbnail images, mash functions and new GUI frontend! 90% **STAR Buy** in Amiga Shopper December '95 [WB3+]

£8.99

INTRO TO DOS 2

WOW! Version 2 of the superb guide and introduction to Workbench and Amiga DOS. Version one obtained superb grades in a number of magazines - eg 90% in AUI and 92% in Amiga Shopper. Do you want to learn how to use your Amiga? This has twice as much information as the first version, with examples pictures. The easiest way to learn about DOS commands, the CLI or about Workbench. The latest version was given **90% STAR Buy** by Amiga Shopper in November 1995. A superb product. [WB2+]

£6.99

MAGIC PAINT BOX

Magic Paint Box is a superb new paint program for all ages. Mainly aimed at children under 8 years of age this is suitable for parents to easily demonstrate to their children its simplicity yet powerful features. Excellent front end, 84 different painting tools and the ability to print full colour pictures direct from the program to any colour printer. Over 80 different paint functions! Comes with full reference manual. "...like a breath of fresh air" wrote Amiga Shopper. "for pure entertainment value, this wastes commercial packages". Amiga Shopper **96% STAR Buy** in November '95. [WB2+]

£6.99

ZOOM

Do you want the latest PD CD-Rom that contains the latest PD to November 1995? Contains the greatest and latest PD from two superb PD libraries. The interface must be the most easy to use CD interface on any CD. Coded by the author of the great Deadlock disk magazine - just point, read about the disk and click to extract. Superb and very easy to use. The contents have also been updated so you get all the latest PD until early November 1995 and loads more as listed opposite. Comes with an on-line help routine, multitasking search routine and hotkeys function. If you want the latest or greatest PD software then look here! The CD contains well over 1100 disks, over 640MB's of data or 1.3 GIG's of public domain.

Superb value CD-Rom at only £19.99 **NEW!**
Available to existing owners at £6.99 - call!

NEW - UPDATED VERSION

- **New Search Routine** the multi-tasking search/find will seek file names or number
- **New 'Hot-Keys' Function** just press 'S' for search or 'E' for extract, 'Help' for help!
- **New Separate List Buttons** click a button for "Utilities" or "Demos" etc etc
- **Over 200 New Disks** 200 new disks since Zoom 1 on 1st of June 1995
- **Restyled, Remastered** new help and information guide, restyled artwork! Superb!

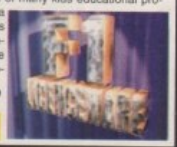
- **Greatest & latest PD from October 94 - November 95 : Utils, games, demos, slideshows, education, disk mags and more!** *- including most of this advert and loads of great PD software*
- **NEW! 100 Klondike/Card Games Deluxe Cardsets**
- **Ground Zero's Themed Imagine Objects**
- **NEW! A great selection of Active Software Pro Packs**
- **NEW! All the Professional Sound Samples [50 Disks]**
- **Over 22MB+ of read-to-view/use Magic WB icons etc**

F1 LICENCEWARE

volume one - F1-01 to F1-100

Sick of the run-of-the-mill old PD CD releases containg collections from pre-1995?!? This CD contains the complete collection of F1 Licenceware titles from F1-001 to F1-100. Over 100 titles or more than 200 disks! This CD is worth well over £500, if the disks were bought separately. There is something for everyone on the CD - games, utilities, tools, professional clipart and music, beginners guides, educational programs and much more. Some superb material is contained within this CD-Rom: Blackboard v3 (image manipulation), Ultimate Quiz 2 (general quiz), Word Plus Pro (originally valued at £15!), Fortress (strategy God game), Relics of Deldroneye (voted best PD game ever by Amiga Format), ERIC (voted second best PD game ever), Powerbase (databse program), GRAC (superb 'Monkey Island' style adventure game creator with 000's of copies sold on floppy), Introduction to WB (best selling F1 Title), Absolute Beginners Guide to AMOS, Junior Artist (kids paint package) or Tots Time (one of many kids educational programs). Use some of the professional music within your games, with no extra charges. What about the clipart for your DTP documents? AMOS programmers have a field day with this CD - AMOSzine, guide to AMOS and AMOS supplements. Something for everyone. With a very easy to use AmigaGuide© interface with 90% of the programs running straight from the CD. Remember that the programs are commercial, with copyright owned by F1 Licenceware.

All programmers receive a royalty for every CD sold. **£32.99**



COMMERCIAL SOFTWARE - NOT PD!

THE AMINET COLLECTION

Aminet 5	Out of Stock	£-------	
Aminet 6	June 95	£11.99	
Aminet 7	August 95	£13.99	
Aminet 8	October 95	[Out Now]	£12.99
Aminet 9	December 95	[Pre-Order]	£11.99
Aminet 10	February 96	[Pre-Order]	£11.99
Aminet 11	April 96	[Pre-Order]	£11.99

AMINET SERIES BI-MONTHLY

SUBSCRIPTION SERVICE

Every time an Aminet CD is released (usually bi-monthly) we will send it to you for £11.99 - pay by credit or debit card. Card debited on despatch.

AMINET COLLECTION VOL.1 £22.99

The Aminet Collection is a superb set of four CD's for any Amiga user. Contains Aminet 1-4, PD from '93 to December '94. 4 GIG's of data!

AMINET COLLECTION VOL.2 £24.99

Aminet Set 2 contains all the Aminet uploads since release 1. PD from December 1994 to November 1995. Gigabytes (four CD's) of games, utilities, demos, pictures, animations, tools, modules and more. Also contains 300 books from the Project Gutenburg CD-Rom.

AMINET SET 2 OUT NOW

NFA AGA EXPERIENCE

NFA have been serving the Amiga 'scene' recently with an amazing amount of effort. Well known in the UK for their Bodyshop series, excellent AGA-only Word disk magazine and programs such as 'Balls', 'Boomin Eck' and 'enLock' present their first CD for the Amiga. Unlike other scene releases, this contains AGA PD from the last 3 years of which 90% will run straight from the CD! Contains the best WB3+ utilities and creative software (100MB), the greatest AGA games (100MB), high quality AGA slideshows (150MB), the most outstanding AGA demos (200MB), entertaining and informative disk magazines and the best of the rest including the licenced Amiga Reports and all the Amiga 'Doom' clones. NFA have also compiled loads of exclusive wares for the CD: slideshows, Klondike cards and more. All this and contained in superb exclusive raytraced iconified drawers set within a Magic Workbench environment makes the CD an absolute pleasure to use! This CD would make a superb Xmas present for any A1200 or A4000 user with a CD-Rom. **TRADE details and prices available on request.**

£19.99

BRAND NEW RELEASE

KLONDIKE GOLD

Have you entered the race to collect Klondike cards before your friends? Even the Amiga 'scene' has gone Klondike mad! This CD should contain over 300 cards, on release, all ready-to-run and in LHA format (for BBS and HD use). Many, many exclusive cards from Scene members. Klondike III running straight from the CD and a patch to allow you to use the cards from the CD-Rom! Also includes Card Games Deluxe, Cardz and tools such as DIY Reko, REKO GIO for Photogenics, REKO datatype etc.

new release! **£9.99**

17BIT DIMENSION V

Following on from the highly successful Phase 4 CD-Rom this CD contains hundreds of megabytes of data from the 17Bit Software Amiga PD library. The 5th disc in this series contains only the very best, hand selected, software including demos, games, utilities, graphics, artwork, disk magazines, music modules and mucg more. The CD is centered around an AmigaGuide style interface which allows you to read about each disk and then un-dms the disks to floppy. You cannot un-dms to RAD: with this release.

new release! **£18.99**

SCI-FI SENSATIONS

SCI-FI Sensations is an exiting new CD-Rom containing over 1000MB's of science fiction images, music, animations, 3D objects for Imagine and Lightwave, sound FX, documents/text, themtunes, information and SCI-FI games. Categories include Babylon 5, Startrek (the Original, TNG, Deep Space Nine, Voyager and the films), Batman, Dr. Who, Thunderbirds, Robocop, Bladerunner, Aliens, 2001, Battlestar Galactica, TRON, Total Recall and many other films. All the information is ready to run from the CD. Amiga, PC and MAC.

new release! **DOUBLE CD-ROM** **£18.99**

TEXTURE PORTFOLIO

Phantasmagoria are a professional company, based in Bristol, providing textures and backgrounds for video, ray-tracing etc. This CD consists of 500+ 24Bit backgrounds and textures, it includes the very high quality 24Bit JPEG files for video, graphics and multimedia work, Targa's for PC raytracing and GIF for video titling applications. No wasted space on this CD-Rom - extensive tutorials. This CD comes with a full colour multi-page reference booklet for every single texture. A complete collection for Pro's and Amateurs.

new release! **£29.99**

THE LIGHT ROM COLLECTION

VOLUME 1 **£29.99**

VOLUME 2 **£34.99**

Volume 3 contains 3 CD's containing over 4500 Lightwave objects, a showcase directory from artists across the globe, 700 textures, 3D landscapes, 1000 DEMs for Vista Pro etc, a collection of objects for Imagine, 3D Studio and Sculpt 3D. This CD is available now! 3 compact discs stuffed full with Lightwave material.

ORDER FOR ONLY £39.99

Vol 1 contains 3D objects, many example images, image sequences, scene files, surface attributes, bump maps and textures. Light Rom volume 2 contains 100% Lightwave and Imagine material with over 300MB of data that didn't appear on vol.1. A superb collection for any raytracer!

LIGHT WORKS

A superb compilation brought to you by Tobias J. Richter, reknown for his amazing spaceships of famous science fiction films. The objects are complex, highly detailed and seem very real due to the superb surface texture techniques used. Ideal for both experts and beginners.

£29.99

ADULT SENSATIONS 2

This CD is for adults only. Nsfw material such as new images, sounds, games, mods etc. If this material offends you in any way please refrain from purchasing the CD. Proof of age (18+ only) needed when buying this CD. No proof = no CD. We do not condone or supply hard core material.

new!! **£18.99**

FRED FISH

Fred Fish has been serving the Amiga market since inception with his excellent disk compilations. The Fresh Fish (double CD) CDs continue the trend. The Gold Fish CDs are compilation of the best from the Fresh Fish CDs. The best on the market! Fresh Fish 10 was released in October 1995.

SUBSCRIPTION SERVICE

Every time an Fred Fish CD is released (usually 6/8 months) we will send it to you for £17.99 - pay by credit or debit card. Card debited on despatch.

SUBSCRIPTION SERVICE

Subscribe to Gold Fish 3 for £22.99 (Xmas 95 release?) - pay by credit or debit card. Card debited on despatch.

ALL CDs £19.99

MULTIMEDIA TOOLKIT II

1000's of clipart, fonts, samples, modules and midi files. Many, many tools and utilities to improve your multimedia presentations. All the items run straight from the CD. Octamed 5.04, the full version, is included (with Aura support), support files from many Octamed experts. Over 30MBs of Midicraft midi files, samples and modules (Midicraft are professional musicians working with the Amiga to create their music). 200 MBs of Imagine and Lightwave objects. If you are a Multimedia fan then you should not miss release volume 2.

£22.99

MEGA GAMES CDs

ASSASSINS 1

GAMERS DELIGHT

POWER GAMES

A Mega-Bundle containing 3 superb CD's. The Assassins volume 1 contains over 500 games, many ready-to-run direct from a superb custom interface. CD32 compatible. Gamers Delight contains no PD games - solely Commercial stuff. Power Games contains tons of PD games, many ready to run from the CD.

GET 3 CDs for £29.99

FRESH FONTS

Volume 1 contains 626 MBs of fonts, Deco (71 fonts), Non-Latin (31), Pictures (17), Serif (23), Sans Serif (31), Script (27). Volume 2 contains 632 MBs of fonts. Deco (63 families), Sans Serif (29), Script (36), Thirteen (19) and more!

VOLUME 1 **£14.99**

VOLUME 2 **£16.99**

3D ARENA

A superb 3D CD that contains many objects for Imagine, Lightwave and Real 3D for the Amiga and PC computers. One exclusive aspect for this CD is the 24Bit Club's objects/images for Lightwave. You'll only find them on here! Also attribute files, tutorials, utilities.

£19.99

AMIGA EXPERIENCE

Contains demo and full versions of Amiga software. Includes full version of Scala v1.13, Imagine v2, Vista Pro v1, The Edge v1.721, X-Copy, Clarissa v1.1 and demo versions including Image FX 2, Interplay, Turbo Calc v3, InfoNEXUS v2.5. All these are ready to run from the CD-Rom.

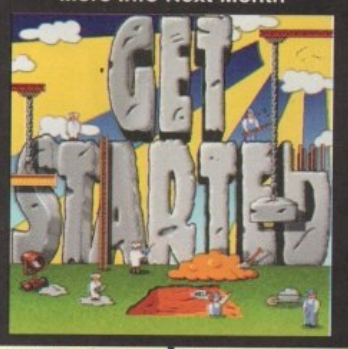
new!! **£24.99**

TURBO CALC v2.1

A superb spreadsheet package now available on CD-Rom. Excellent formatting capabilities, more than 100 functions, macro and AREXX abilities (120 instructions), sheet size limited by memory only, import of foreign spreadsheets and a comprehensive AmigaGuide manual.

new!! **£9.99**

Available in Late January 1996 - More Info Next Month



SPECCY 2

Multi-platform CD with emulators for Amiga, Atari ST, Mac and PC. Loads of FAQs (Speccy related), games lists, wallpaper (.BMP) pictures for Windows and (.IFF) for Amiga. Over 100 different Speccy computer screens and loads of tape covers. Stuffed with over 150MB's of Spectrum games for a myriad of computers. so! Z80 files.

new!! **£18.99**

WORLD INFO 95

Your virtual guide around the world. Travel to places you have never seen before, get informed about your next/potential holiday. Preparing for a geography test? All the info you need is here. 194 countries, 700 cities, covering many different subjects. You need to have Mosaic setup to run the CD. 256 colour Workbench is also recommended.

new!! **£34.99**

COLOUR LIBRARY

1700 colour files with categories such as Animals, Boats, Buildings, Cars, Cartoons, Cats, Computers, Dinosaurs, Dogs, Fantasy, Fish, Flags, Inserts, Maps, Medical, Military, Misc, Painting, Photo, Places, Planes, Sci-Fi, Sea, Space, Sport, Star Trek, Swimsuit, Trains, Wars! You asked for a colour clipart CD - here it is! Colour clipart for nearly every occasion.

new!! **£8.99**

C64 SENSATIONS

This CD gives you almost 10000 C64 megademos and over 600MB of software. Mega demos, games, utilities for the Amiga and PC computers. Latest versions of emulators for both machines (the commercial version of A64 v3 for the Amiga). C64 experts have searched high and low through C64 archives to put together a superb collection for Amiga and PC.

new!! **£18.99**

LSD VOLUME 3

Contains hundreds of MB's of data, most of which have never before been included on a CD-Rom at the time of release! Contains software in both ready-to-run and archived formats: demos, diskmags, comms and computing, anims and pictures, music modules, original clipart, source code, games, utils, graphics, ready-to-run AGA demos, original WB backdrops and much more!

new!! **£18.99**

ASSASSINS 2

Following on from the tradition of the first CD this contains loads of new public domain games from 1994 and 1995. Entire Assassins collection upto 250, 60 utility disks and loads more games runnable from a superb custom written interface. Parnet and semet provided for connection to host computers.

new!! **£18.99**

AMOS vol.2

This is an update to the first AMOS CD - the official library disks upto 638, general purpose tools, Amos PD over 200 disks. Also includes, ready to run, 1600 source files, 100 sprite banks, 260 Clazt banks, 800 samples, music banks, several Amos and Amos Pro extensions.

£18.99

SOUND WORKSHOP

Over 1 Gigabytes of data on this double CD Includes MIDI files in various formats (MDI, MIM), hundreds of MB's of music to listen to or change/edit for your own applications. Over 5000 modules, 1000 VOC files, 1000 WAV files, 1000 samples.

£18.99

WS CLIPART

Must be nearly third in the most popular CD ever produced. Contains megabytes of B/W IFF bitmaps, colour IFF, procips, EPS, Pagesetter, Pgs, IMG, Corel Draw and coloured brushes for Deluxe Paint. Bargain! This CD-Rom is suitable for Amiga, PC and MAC computers.

£7.99

GIGA GRAPHICS

Giga Graphics is the ULTIMATE collection of graphics for the AGA Amiga. Over 10,000 images on this quad-pack CD. All images are in 24 Bit and HAM 8. Superb price for 4 CD's! Suitable for all AGA Amiga owners. Want a picture of a landscape? What about a animal? This is the place!

£34.99

WS CLIPART

Must be nearly third in the most popular CD ever produced. Contains megabytes of B/W IFF bitmaps, colour IFF, procips, EPS, Pagesetter, Pgs, IMG, Corel Draw and coloured brushes for Deluxe Paint. Bargain! This CD-Rom is suitable for Amiga, PC and MAC computers.

£7.99

HOTTEST 4

This is a PD Soft collection of their PD library during 1994. Games, demos, utilities, animations, slideshows, diskmags, pictures, samples, music modules and much more. Limited stocks left so get this CD at this low price NOW!!

BARGAIN!

£7.99

CD BOOT v2

This allows you to use any CD32 game on your A1200 or A4000. You can create a config file for every game. Comes with a complete English based manual and can run around 98% of CD32 games.

£24.99

SOUNDS TERRIFIC

This CD contains over 1.2 Gigs of sound and music data. It will form part of any professional musicians library or amateurs collection. 4,600 modules, 14,000 samples, 568 Sonix scores, 4500 instruments, 302 octamed modules and more!

£17.99

GFX SENSATIONS

A collection of the best graphics tools, 24Bit images, animations and a huge collection for Imagine and Lightwave users: Anatomy, animals, aviation, bathroom, botany, buildings, clocks, computers, food, kitchens, lamps, ships, space, sports and much more!

£16.99

MEETING PEARLS 3

Contains 10MB of packing tools, 21MB of network tools, 29MB of development tools, 95MB of graphics programs, 13MB of AmTCP data, 60MB of CD-Rom databases, 96MB pasTEX, 30MB of HTML data etc. A very easy to use CD along with a special edition version of CD-Write to edit your CD!

new!! **£8.99**

TEN ON TEN PACK

An Almathera collection, reviewed in this months magazine consisting of ten CDs. They are: Team Yankee, Pandora's CD, World Vista Atlas, Illustrated Shakespeare, CDPD1, CDPD2, Demo 1, Comms and Networking, Fonts & Clipart and Photo Library CD

£35.99

UTILITIES 1-1500

The utilites 1-1500 CD contains the very best utilities and tools from PD Soft's library (mainly during 1994). Education, business, sound utilities, hobbies, emulators, programming, printer tools, virus killers and much more!

BARGAIN!

£7.99

MEETING PEARLS 2

Carrying on the excellent tradition this entire CD is run from HMTL "internet" style pages. More utilities, games, tools, music and Mods, FAQ's, PasTEX files and MB's of other data. This CD is similar to the Aminet series except it could be classed as more technical.

£8.99

WS FONTS

Another popular Weird Science compact disc. This CD contains 2000+ Adobe and CG fonts, some PS fonts, 500+ bitmap, 190 coloured, 240 IFF, 139 Pgs, 24 Prodraw, 500 Truetype, 132 PCX, 300 GDOS and more!

£7.99

WS ANIMATIONS

A double CD animation extravaganza!

All the animations are ready to run from the CD, through an Amiga Guide file system. Some stunningly large animations, some over 5MB in size. Suitable for both the Amiga and PC.

£17.99

Rapid response

An actual upgrade for the A600. **Neil Mohr** checks if it's worth shelling out for

A600 owners must be feeling a little fed up when it comes to expanding their machine. Having been left in the accelerator back waters for a good few years now, you must be thinking it is about time your A600 got a good old speed injection. Well finally there is an option available – the Apollo 620.

Tens years on, the A600 is still running as fast, or should that read as slow, as the original A1000. It amazes me the number of Amiga owners that complain about programs that will not run on their machines, which then turn out to be eight-year old A500s with 1Mb of memory. If a PC got up and moaned about how their 8086 with 640k could not run Windows 95, they would simply just get laughed at.

The unfortunate side of this is that software companies will still write their software to conform to this minimum standard. A larger proportion of games have only recently become hard drive insatiable, and most of the recent Doom-type games only cater for a minimum specification A1200. This ends in a vicious circle that no one bothers to upgrade, and conversely there are no great improvements in software as it still caters for the minimum specification.

Bit of a large bee in my bonnet there I think. Alright, so there are lots of very good reasons to upgrade your machine, and at the end of the day it is you that will benefit. The Apollo is a slightly over-clocked 020 processor running at 25MHz. An over-clocked processor is one that is being run at a higher clock rating than it is supposed to. In theory this reduces the life expectancy of the processor because of the extra heat generated, but as the Apollo is only running at an extra 5MHz I cannot see this being any problem.

No extra costs

A floating point unit is included as standard with the board, so there is no necessary extra expense, and the board pulls a reasonable 0.7 MFlops. Therefore, any A600 user that has ever wanted to dabble with raytracing will have a much happier time, rather than continuing to struggle with their old 68000, sweating cobs trying to pull off all those complex instructions.

As with every Amiga accelerator, the Apollo is pretty much useless unless you add FastRAM to it. Actually adding FastRAM allows the Apollo to run over 6½ times faster than it other wise would.

You should really consider going for a 4Mb SIMM if you want to run things like Wordworth or Final Writer, and anyone wanting to do raytracing should go for the 8Mb option, which is the maximum amount the Apollo can handle. Fitting an 8Mb SIMM will, however, disable your PC slot, so any squirrel users will have to stick with a 4Mb SIMM.

Fitting the board is a little tricky. Caused by the fact that the A600 never came with any processor upgrade route, the only option available is a board that plugs onto the 68000 chip in the A600.

This requires you to open up your A600 and remove the protective shield. If you have an internal hard drive fitted this has to be removed and will sit on top of the accelerator board. There is a plastic cover and some Velcro to assure that no electrical shorting occurs.

Surface mounted

Once you have ripped the innards out of the A600 you can then fit the board. As the 68000 in the A600 are surfaced mounted, a plastic connector on the board is 'glued' into place onto the A600's processor via a sticky pad inside the connector. This means the Apollo cannot be removed once in place, and I would not recommend you shake your A600 too much after the board has been fixed in place.

The Apollo lines up quite nicely in the speed stakes, coming in just under eight times as fast as an A600, and is virtually as fast as an A3000. One thing of interest is that due to the A600 still having 16-bit graphics memory, the accelerator has a much smaller effect on graphic operations compared to numerical only operations. This is borne out if you compare some of the graphical benchmark tests in AIBB, the Apollo only usually producing a doubling of speed over a conventional A600.

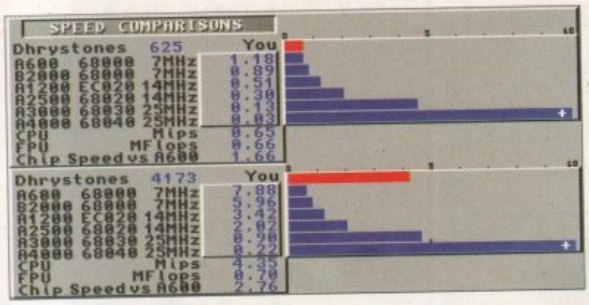
Jargon box

AIBB – Amiga Intuition Based Benchmarks is a program that allows you to test the performance of your Amiga

8086 – one of Intel's earliest processors used to power the earliest modern PCs

68020 – Motorola's first 32-bit processor. Introduced in the mid '80s it is used to power the A1200 and the Apollo 620

Due to the lack of 32-bit graphics memory the A600's graphic functions benefit little from the Apollo



SysInfo demonstrating nicely the difference that FastRAM can have

Easy options

Overall, the Apollo would make a good alternative to an A1200, and is half the price, though you would need to add on the cost of a SIMM and you are still stuck with the old chipset's display range. At the end of the day, if you want to accelerate your A600 the Apollo is your only option, and it does provide a good turn of speed. For any A600 owners, this board would be a revelation.

Bottom line

Requirements

RED *essential* **BLACK** *recommended*

SIMM
4/8Mb

Product details

Product	Apollo 62
Supplier	Gasteine
Price	£20
Tel	0181-345 600

Scores

Ease of use	60%
Implementation	55%
Value For Money	70%
Overall	75%

VISIT OUR NEW WEB SITE

http://www.flevel.co.uk for latest prices & bargains

NEW THIS MONTH

Books - Connect your Amiga

A Guide to the internet, Lans & BBS & online Services by Dale L.Larsen - This is by an ex C= member of the Amiga Networking Group. Well written comprehensive, this is a must 254 pages £11.95.

The Multi-Data Machine gives you a 4X CdRom plus a 650M removable in one half height drive. The Fourth Level software includes the advanced tools for removable media which have until now, only been available on the Mo-Miga (FLD`s top of the range 1.3Gb M.O. system). Ami-FileSafe - the new filing system which has taken the Amiga market place by storm - is also included along with with Full CDRom support.

Prices: *Internal SCSI2* *£510.00+VAT = £599.25*
Options: *External add* *£ 45.00+VAT = £ 52.87*
Oktagon Card *add £ 95.00+VAT = £111.62*

Warning if you use a hard drive using FFS then if your machine crashes or you reset whilst writing to disk then your drive will most likely be invalid.
Get protected now with AFS.
All our HARD DRIVES are shipped with AFS
New LOW Prices
Phone for details - SCSI, IDE all types available.

Envoy £45.00 incl VAT

Amiga Envoy is the standard Amiga peer-to-peer networking software developed by Commodore`s Amiga Networking Group.
"Cool" -
Dave Haynie, Ex C= Senior Hardware Engineer
We are Sole European Distributors

Commodore Death Bed Video £ 14.00 Inc Vat
By the master -- Dave Haynie
Brilliant personal video shot by Dave Haynie. Over two hours of recollections, stories & action by the C= people. This is a video you must not miss.
!! The Christmas present for every Amiga fan !!

NEW AMIGAS need AFS

Play safe. Dealers can supply AFS as standard.
AFS protects your hard drive from invalidation. Choose a dealer who can supply your new A1200 & A4000 with AFS as standard. Get safety *and* vastly improved performance.

REMEMBER THE MOTTO -
NO AFS!! - NO DEAL!!
Dealers & Distributors- call 0117 955 8225 for OEM details

And NOW ZIP Drives shipped with AFS

100M Removable SCSI External & Call for prices Remember NO AFS!! No Deal with AFS User

All Amiga SCSI2 Cards & Squirrel OK

Fourth Level Removable Media Networking Tools included

Another Fourth Level BrandedProduct:
DISKSALV 3.5 AFS with free upgrades to V4AFS includes FFS bug fixes & file recovery for AFS £40.00 inc VAT
This enhanced version is a result of the combined work of FLD & Dave Haynie
Shipping NOW!!

The Essentials:
AFS User £29.75 Pro £79.75
See the performance Now with Undelete!!
P&P EEC £ 3.50 Other £ 6.50
Dice V3 £98.75
P&P EEC £ 5.50 Other £10.00

Benchmarks AFS

A3000 030 Oktagon SCSI 2

Test	FFS	AFS	Units
DirScan	409	1780	Files/Sec
CreateFile	227	1073	k/sec
ReadFile	244	1363	k/sec
Seek and write 4bytes (start & end)			
x100	53.6 Sec	4.4Sec	

Commercial C Compiler for Amiga which has been continuously supported & developed to become the most reliable and user friendly package.
Sole Distributors Europe Africa, Asia (Except France & Germany)
Fully Internet Supported from our server!

ftp: ftp.flevel.co.uk

Fourth Level Developments Certified Amiga Developers 0117 985 4455 (6 Lines)

Email: sales@flevel.co.uk

A Fourth Level Development

Distributors
UK: FLDistribution
Germany: Stefan Ossowskis Schatztruhe
Sweden: Orebro Videoreklam
Italy: Db-Line
South Africa:MLSystems
USA: AIM
Distributor & Dealer Enquiries +44 (0) 117 955 8225

Access

UK Orders to FLDistribution 31 Ashley Hill Montpelier Bristol BS6 5JA

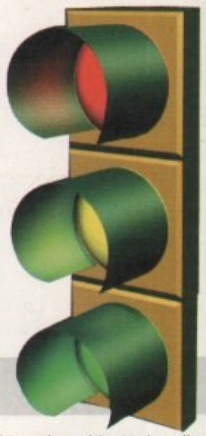
VISA

Can you see the light?

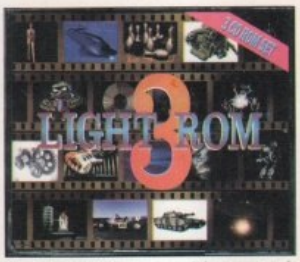
Ben Vost takes a look at three new CDs for LightWave users

Now that the world and his wife all seem to have CD-ROM drives, there has been a surge of people collating information to put onto CDs. With the Toaster 4.0 distribution set available on CD and LightWave available for most platforms also on CD, it's not surprising that there are now quite a few CD collections of objects, surfaces and scenes suitable for LightWave users. Three such collections have recently fallen into my lap, so I now present Light-ROM 3, Replica Technology's Interior Design Collection and Model Masters' Model Monger Foto Real collection.

The 3D Model Mech Kit is just one of the themed object sets on LR3



LIGHT-ROM 3



Light-ROM 3 is a massive collection consisting of three CDs, the first of which is dedicated to LightWave objects, scenes and animations, the second is given over to objects for other formats, while the third disc is filled with over a thousand DEM files, or Digital Elevation Maps, which cannot be used in LightWave directly, but could be used in Vista Pro, Scenery Animator or World Construction Set in order to generate backdrops (animated or otherwise) for LightWave.

Out of the three collections on offer here, Light-ROM 3 is the only one that uses the public domain as a source for the models on the discs. There is a wide variety of models on several themes, from the ubiquitous range of spaceships to some nice architectural models. Unfortunately, most of these models weren't created in LightWave, so have all the modelling finesse of most Imagine models – triangles everywhere and no sense of scale. Even models that are quite famous for originally being in .DXF or .3DS formats have been translated into Imagine format before being converted finally to LightWave.

In its favour, the models on Light-ROM 3 have all been converted with Interchange which at least tries to replicate an object's surface coloration when translating from one format to another. Unfortunately, this still doesn't make up for the fact that you are going to need to spend a good deal of time editing the objects to make them as efficient as possible for LightWave use, converting triangular polygons into multi-sided ones, scaling the object correctly, and re-editing the surfaces to your taste.

Light-ROM 3 does come with thumbnail renderings of all the objects on the CDs, so you don't have to muddle through looking for an object to suit your requirements. There are also over 50Mbs of DEM files that have been translated into 3D object formats to save you the trouble, and a variety of shareware programs to help with 3D generally.

For some reason, although the PC programs are all unpacked, the Amiga ones are all still archived which necessitates using LHa. On the second disc there are also 820 Jpeg'd textures which have either been algorithmically generated or frame grabbed from live video. Some are very good but very few are repeatable, limiting their usefulness in most situations.

You just can't complain about the cost of Light-ROM 3. If you don't have access to the Internet and, in particular, the Tomahawk object archive, then this CD bundle is splendid value for money, all the more so if you actually have one of the aforementioned fractal landscape generators as well. The documentation accompanying the package has a useful list of resources you might wish to look further at, such as details for various magazines devoted to 3D modelling and rendering like 3D Artist and LightWave Pro.

Bottom line

PRODUCT DETAILS	
Product	Light-ROM 3
Supplier	Blittersoft
Price	£39.95
Tel	01908 261446

SCORES	
Ease of use	60%
Implementation	55%
Value For Money	90%
Overall	68%

INTERIOR DESIGN COLLECTION

This CD has a sticker on it saying it is a Windows version, but as far as I am aware, there is no specific Amiga version. This is the root cause of all of this CD's problems. Because it was compiled with PC users in mind, the filenames are all 8.3 and when you 'load from scene' the pathnames that come up (because LW can't find an object or image) are all in the 'Can't find D:\objects\stuff\object.lwo' format. Not very user-friendly and not acceptable in a 'professional' CD title.

Unfortunately, the problems with this CD don't stop there. Unlike Light-ROM 3 the objects have all been created in LightWave, and to scale, and they are all nicely surfaced with good-looking wood and nice reflective surfaces. However, they are very simple for the most part and nothing that any even vaguely competent modellers couldn't achieve in a few minutes.

To be fair to Replica Technologies, the objects aren't supposed to be virtual Chippendales, but simple things like rounding off corners, while adding to the polygon count, does make objects look much nicer.

The best objects in the collection are the four types of houses, although they are all fairly simple detached homes, and the interior fixtures like the staircases, skirting boards and fireplaces (mainly because it is these features that are so often forgotten when interior scenes are rendered).

The furniture itself is completely forgettable in as much as the design work that has gone into it seems minimal, although there is a nice range of similar types of objects, such as five different sorts of desks. However, when it comes to choosing which of the five you are going to want to use for your scene, that has to be done by trial and error because there are no preview images for each individual object. This is not helped by the cryptic naming conventions forced onto the Interior Design Collection by the aforementioned 8.3 naming standard.

Considering that this CD is only about half full, I think it would have been more professional if Replica Design had just included separate scene files for Amiga users that directly accessed the CD-ROM, and also individual preview images in somewhat less compressed form than the current Jpegs. All in all, I don't think I can recommend this CD to anyone but the most intent LightWave user who needs to be able to rustle up architectural walk-throughs in the least amount of time possible, and who isn't concerned overly with the quality of the objects he is using.

Bottom line

PRODUCT DETAILS

Product	Interior Design Collection
Supplier	*Replica Technologies*
Price	$350
Tel	001 716 337 3887

SCORES

Ease of use	35%
Implementation	65%
Value For Money	30%
Overall	42%

MODEL MONGER INTERIORS 1, FOTOREAL

The problem inherent in object CDs that aren't created solely for LightWave is the lack of proper surfacing details – the image on the left is scanned from the leaflet accompanying the Model Monger CD, the image on the right is the same object rendered straight from the CD

Phew, what a long-winded name. The Model Monger CD comes in two versions, the FotoReal – where every object is absolutely smothered in polygons – and the LowReZ version – useful to act as stand-ins for your models until you need to do a full-on, high resolution final render. The number of polygons in the FotoReal versions of the objects on this CD really is quite phenomenal. Can you imagine a bed and mattress containing over 10,000 polygons?

Part of the reason for this is again the fact that these models haven't been created with LightWave in mind, so the models on this CD are made from triangles again. And because there is no standard for the scale of objects in different formats, you will find a 60 metre wide sofa and a pair of scissors taller than a jumbo jet.

Now this CD hasn't been prepared with LightWave in mind exclusively, so you can forgive these excesses of scale, but these objects **are** on a professional quality CD so maybe these factors should have been addressed. After all, just what is the point of supplying LightWave-specific versions of the objects when any sensible 3D modeller already has an object converter to convert the no doubt identical models from the .3DS versions included on the disc into LightWave format himself – unless those objects have truly been converted, including reducing the polygons and adjusting the scale.

This object database is again an Interchange production with the converted objects needing a lot of work to make them usable in LightWave, so yet again my search for a usable model database has been thwarted.

Bottom line

PRODUCT DETAILS

Product	Model Monger Interiors 1
Supplier	Antigravity TV Products
Price	$149.95
Tel	0181 4025770

SCORES

Ease of use	65%
Implementation	45%
Value For Money	65%
Overall	60%

Jargon box

8.3 – PC compatible machines have always had a problem when it come to naming files. The reason for this is that MS-DOS (and thus Windows) restricts the number of characters you could use to eight for the main part of the filename, and three for the extension. You can't add spaces to filenames (or a number of other characters Amiga owners take for granted) and you have to add a three character file extension saying what the file's type is (such as .txt for a text file). This is slowly changing with the advent of Windows 95 which allows for a 255 character filename, but with the majority of users still working with older versions or Windows, companies will have to maintain the crippling 8.3 limitation.

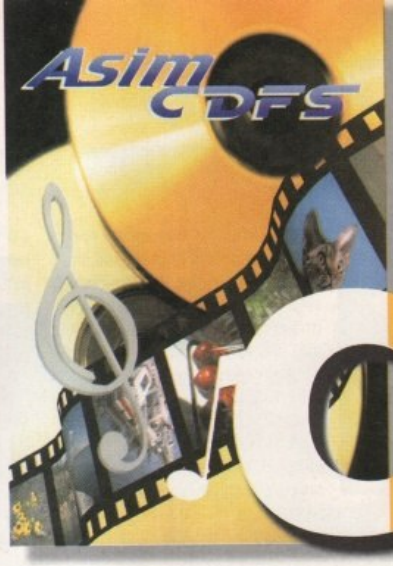
Digital Elevation Map (DEM) – DEMs are created by geological and cartographical societies like the Ordnance Survey from satellite imagery and a variety of other sources in order to map terrain accurately. The files consist of contour points at varying levels of resolution and there are several programs on the Amiga (the ones listed in the main text being some examples) which can take these files and render lifelike images from them.

.3DS – the format in which objects are saved in the PC 3D rendering program 3D Studio.

OVERALL

Overall, the quality of the objects on the two professional CDs isn't in doubt and the vast majority of the objects on the Light-ROM 3 are also quite impressive, but none of these CDs really address the needs of the LightWave user. Replica Technologies CD is the only one to provide dedicated LightWave objects in the correct scale and with proper surfacing, but it falls down in the value-for-money stakes, its concentration on the Windows market (when the number of Amiga users of LightWave far outnumbers the number on PC) and its lack of picture previews of the objects.

The other two CDs both fail to have properly converted objects and in the case of the Model Monger series this is unforgivable, especially since any work you do to the objects has to be saved to your hard drive, thus obviating the advantages of having the CD-ROMs in the first place. Oh for a decent LightWave object database, you'd think there would be the demand for it.



Until now, Amiga users who wanted a CD-ROM drive had to scratch around for utilities. **Frank Nord** examines the alternative

CD solutions

Asim CDFS is one of those products that hasn't been too popular (or well-known) since its release back in 1992. To be frank, while it was OK back then, it wasn't actually all that good and most of the other CD solutions did the job better. However, the advent of the new version, version 3, is set to reverse the trend. In short, AsimCDFS is now a splendid purchase if you run a CD-ROM, and quite possibly should be included in Amiga Technologies' Amiga bundles in the future, if not incorporated directly into Workbench.

So what's so good about it? For a start, there's no faffing around to install it. You won't need to edit any mountlists or check what SCSI device you have. AsimCDFS does all that technical-type stuff for you. All you need do is point it in the right direction. Once you have installed AsimCDFS you can start playing with whatever CDs you have. Even if you haven't got any data CD-ROMS yet, you can actually still have some fun using AsimCDFS with music CDs.

AsimCDFS comes with a music CD player called AsimTunes and that's not unusual as most CD file systems come with an audio player, but where AsimTunes scores is in the fact that you can edit the names of the tracks on the CD, which then gets carried across to Workbench. This means you can have a CD icon on your Workbench screen called 'Weight' (the name of a great album by the Henry Rollins Band) and if you double-click on it you will see six drawers labelled CDDA_LeastSignificant, CDDA_MostSignificant, AIFF_Stereo, AIFF_Left, AIFF_Right and MAUD.

Formats

If you open one of these drawers you will see icons with the names of the tracks on the CD. These icons are actually complete samples of the tracks in whatever format the name of the drawer they are in says. The CDDA formats are both raw data as they're stored on CD, the three AIFF formats are 16-bit samples in the multi-platform AIFF standard, and the MAUD format is used by MacroSystems' Toccata card.

It is a shame that there isn't an 8-bit sample format so that the CDs tracks can easily be incorporated into Octamed or something similar, but that would mean having to process the information on the CD and resample it down at a lower rate, a difficult task. You could use the SoundFX program we put on last month's coverdisk to convert the AIFF samples down to standard Amiga 8-bit samples, but you would need about 50Mb of memory to edit a whole song! Fortunately, Asimware have added an element to the DiscChanger program supplied with AsimCDFS that allows you to select a section from a track rather than the whole song. Even so, a two second sample in stereo AIFF format can be as much as half a meg in size.

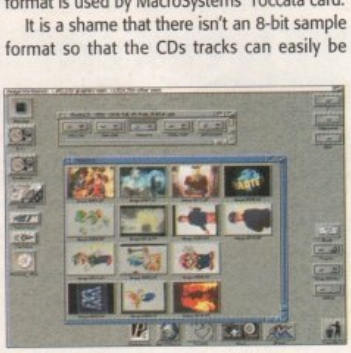
Our tests with SoundFX and AsimTunes didn't prove wholly successful, however. For some reason whatever format data we took into SoundFX was played back at around half-speed. Obviously, you can just move the sample up an octave, so it's not too much of a problem, but it shouldn't really be necessary. Naming tracks can pose a bit of a problem too as AsimCDFS only allows you the standard 25 characters for a filename to name your tracks in, a bit of a bummer when you got a CD with 'Itsy bitsy teeny weeny yellow polka dot bikini' on it (well, you might have).

Still, enough of the audio side of AsimCDFS, something that most CD file systems come with. Onto the PhotoCD viewer, something that most other CD file systems *don't* come with. AsimCDFS takes the same innovative approach with PhotoCDs as it does with audio ones.

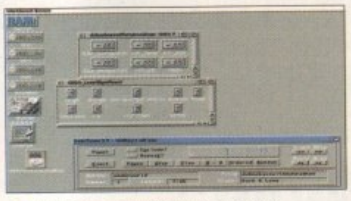
Rather than having to have a separate program to load in the pictures from a PhotoCD (assuming you actually have a PhotoCD loader), Asimware's solution is to simply give you the thumbnails for each image as icons in the directory window for the CD. The same directory structure exists for PhotoCDs as for audio CDs, with the different resolution images being stored in directories named for the resolution. AsimCDFS automatically creates a thumbnail icon so that you can see what your images are without having to load them into a separate program.

Jargon box

PhotoCD – PhotoCDs are special CDs you can have your films developed onto. It's still an expensive and time-consuming process, but you can fit more than one film's images onto one PhotoCD, thus bringing the cost down. This will also save you from having to buy a scanner.



PhotoCD images are automatically converted by AsimCDFS to IFF when you load them into a paint package



Audio CDs are treated just as nicely by AsimCDFS, but you are limited to only 25 character filenames

Something fishy

Just so you have immediately got something to play with when you buy AsimCDFS, the publishers have kindly included the FishMarket CD-ROM containing unarchived copies of Fish disks 260-1000. While not particularly up to date, there is guaranteed to be at least some software of use to you on this disc, and anyway, what are you complaining for? It's free, isn't it?

Conclusion

AsimCDFS is a very nice piece of system software that has really been carefully thought about. There are still a couple of niggles with it, like the fact that although you can rename the tracks on a music CD through Workbench, you can't snapshot a CD's icon without using ForceIcon. But overall the quality of this package is not in doubt.

Bottom line

Product details

Product	AsimCDFS v3
Supplier	Siren Software
Price	£49.99
Tel	0161-796 5279

Scores

Ease of use	85%
Implementation	85%
Value For Money	85%
Overall	85%

SCANNER

NEW!!!
Artec Colour Scanner
£399.00
COMPLETE WITH CARD CABLE AND SOFTWARE TO ENABLE YOU TO ALSO CONNECT TO A PC OR MACINTOSH COMPUTER

FOR AMIGA 1200 TO 4000 COMPUTERS WITH SCSI CONTROLLER (AVAILABLE NOW FOR A1200 USERS).

OKTAGON 4008 SCSI CARD

True SCSI II controller for your Amiga 1500 to 4000, upgradeable to 8MB using Zipp Ram allows you to connect H-Disk, Syquest CD Roms etc. **£99.00**

MULTIFACE III
ADDS 2 SERIAL & 1 PARALLEL PORT TO ANY AMIGA 1500 TO 4000 £79.00

THE FASTEST AND MOST VERSATILE DOUBLE SPEED CD ROM PLAYER FOR AMIGA

RENO

CAN ALSO BE USED AS A PORTABLE AUDIO CD PLAYER

Features:
- SCSI 2 DOUBLE SPEED, 180MS PORTABLE CD ROM.
- COMPATIBLE WITH PC AND APPLE MACINTOSH
- INCLUDES STEREO HEADPHONES, CARRY CASE, AC ADAPTER
- KODAK PHOTO CD READY
- INCLUDES SOFTWARE FOR MAC OR PC

£109.00

EXTERNAL FLOPPY £39.95

ANTI-CLICK *ANTI-VIRUS*THRU PORT FOR ALL AMIGAS

MONITORS

Microvitek 1438	£259.00
Microvitek 1440	£399.00
Samsung 15"	£319.00
Samsung 17"	£599.00
Samsung 20"	£POA

AMIGA A4000T 040 £2150

AMIGA A4000T 060 £2450

ACCELERATORS

Viper 68030/28Mhz 0MB	£119.00
Viper 68030/40Mhz 0MB	£189.00
Viper 68030/50Mhz 0MB	£199.00

!!NEW!!! APPOLLO 68020/28Mhz 0MB £99.00
APPOLLO 68030/50Mhz 0MB
WITH FREE FPU £199.00

AMIGA A600 ACCELERATOR

68020 28MHZ UPGRADEABLE TO 8MB RAM ONLY **£209.00** IN STOCK

HARD DRIVES & RAM FOR AMIGA
Nobody Undersells US!!!!!

AMIGA A600/A500/A500+

RAM CARDS

A600 1MB Ram	£20.00
A600 1MB Ram & Clock	£33.00
A500+ 1MB Ram	£20.00
A500 1/2MB Ram	£15.00

A1200 RAM CARDS

PCMCIA compatible
(With Clock & FPU socket)

0MB	£49.00
2MB	£109.00
4MB	£159.00
8MB	£239.00

ZIP RAMS 2MB £99.00

MEMORY

	30 Pin	64 Pin	72 Pin
1MB	£25	£N/A	£35
2MB	£89	£N/A	£69
4MB	£109	£199	£109
8MB	£239	£N/A	£239
16MB	£389	£N/A	£389
32MB	£N/A	£N/A	£699

FOR ANY AMIGA OR ACCELERATOR CARD

EXTERNAL CD ROM(SCSI) FOR AMIGA A600 & A1200 WITH FREE!!! SQUIRREL INTERFACE

DOUBLE SPEED	£159.00
QUAD SPEED	£239.00
SIX SPEED	£POA
PORTABLE CD	£POA

FPU

Increases the performance of your machine when adding these FPU's. suitable for all Accelerator & Ram cards for A1200 and Amiga 4000 Computers

28Mhz (PLCC)	£24.00
33Mhz (PLCC)	£39.00
40Mhz (PLCC)CLK	£59.00
50Mhz (PGA)	£89.00

WE WANT YOUR BUSINESS!!! WE WILL MATCH OR BEAT ANY GENUINE QUOTED PRICE.

EXTERNAL SCSI HDISK with 45W PSU
FOR ALL AMIGA COMPUTERS

340MB	£199.00
540MB	£229.00
850MB	£269.00
1GIG	£299.00
2/4/9GIG	£POA
SQUIRREL	£54.00

SPECIAL OFFER
2.5" DRIVES
FOR AMIGA A600/1200 COMPLETE WITH SOFTWARE, CABLES & INSTRUCTIONS

40MB	£40.00
120MB	£79.00
340MB	£165.00
510MB	£229.00
850MB	£399.00
1GIG	£P.O.A

3.5" HARD DRIVES

	IDE	SCSI
270MB	-	£99
340MB	£119	£119
420MB	£119	£129
540MB	£139	£169
810MB	£189	£229
1-GIG	£199	£229

100MB ZIP DRIVE £199.00

ALFA-POWER HARD DISK FOR AMIGA A500/500+

120MB	£179.00
420MB	£199.00
810MB	£269.00
1 GIG	£299.00

SYQUEST DRIVES

	Int.	Ext.
88MB	£219	£269
105MB	£229	£279
200MB	£339	£389
270MB	£349	£399

BOTH THE ZIPP & SYQUEST DRIVES NEED SCSI CONTROLLER ON ALL AMIGA COMPUTERS

EZ135 SYQUEST AVAILABLE NOW!!! £209.00

OFFER OF THE MONTH !!!
260MB 2.5" HDISK
COMPLETE WITH CABLES AND SOFTWARE
£99.95
LIMITED QUANTITY AVAILABLE

AMIGA MAGIC PACK

AMIGA A1200 (BASIC UNIT)	£359.00
AMIGA A1200 (WITH 170MB HARD DISK)	£469.00
AMIGA A1200 (WITH 260MB HARD DISK)	£489.00
AMIGA A1200 (WITH 340MB HARD DISK)	£539.00
AMIGA A1200 (WITH 540MB HARD DISK)	£559.00
AMIGA A1200 (WITH 850MB HARD DISK)	£699.00

ORDER NOW TO AVOID DISSAPOINTMENT FOR CHRISTMAS

REFURBISHED AMIGA A4000 030/040 IN STOCK £P.O.A

Gasteiner

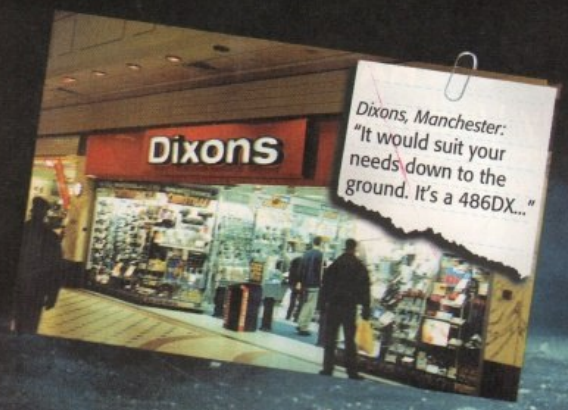
DELIVERY CHARGES

ALL PRICES **INCLUDE VAT**. 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 FOLLOWING EXPRESS SERVICES: SATURDAY DELIVERY NORMAL RATE PLUS £15 PER BOX, MORNING, NEXT DAY NORMAL RATE PLUS £10 PER BOX, E&OE PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. ALL TRADEMARKS ACKNOWLEDGED.

ACCESSORIES

AMIGA A500/600/1200 PSU	£34.95
A500 INT. FLOPPY DRIVE	£30.95
A600/1200 INT. FLOPPY DRIVE	£45.00
2.5" HDISK CABLE	£10.00
2.5" TO 3.5" HDISK CABLE KIT	£15.00
PARALLEL PRINTER CABLE	£6.00
AMIGA VGA ADAPTOR	£15.00
AMIGA TRACKBALL	£35.00
AUTO JOYSTICK SWITCH	£15.00
MOUSE MATS	£2.00

126 FORE STREET, UPPER EDMONTON, LONDON, N18 2XA
TEL: 0181-345-6000 FAX: 0181-345-6868 E-MAIL: gastein@dircon.co.uk



Undercover Amiga

Ben Vost went into the big wide world to see whether anyone would sell him an Amiga

It was a wet Thursday morning in November when I went out searching for an Amiga in the shops local to Macclesfield, ones that should be familiar to people the country over as sources for technological equipment. I donned my trenchcoat and hat, checked the batteries and tape in my hidden tape recorder, loaded my SLR camera with film and slung it out of sight under my coat, then I walked out my door. I proceeded (presumably in an orderly fashion) into Manchester.

The first shop I came to was no help at all. I walked in and boldly stated my purpose: "I want to buy an Amiga. Have you got any?" to which the man behind the counter replied, "No". When I asked him why, in a shocked tone of voice, he merely replied: "This is a fishmongers, sir." Alright, alright, I know it's a crap joke and one of the oldest in the book, but unfortunately, I may as well have been in the fishmongers in Manchester for all the luck I had trying to get an Amiga.

My first, and best, port of call was the Silica Shop in Debenhams in Manchester's Arndale Centre. After wandering around the shop for a bit admiring the jerky scrolling on the Windows machines, I discovered the Amiga 1200, accompanied by a Microvitec 1438 monitor. The monitor was switched off, but in turning it back on I found the Amiga was on and running a demo of Virtual Karting.

When the sales assistant had finished dealing with the other customers in the shop, I approached him and gave the same story I used at every other shop, namely that I was a poor, starving student engaged in a graphic arts course at university and needed a computer to do 2D graphics and hopefully output to video, and 3D graphics later on. I explained that I only had a budget of £500 and that what I really wanted was a machine that would do what I needed and which I could expand at a later date when I got some more money. I also stated that I didn't care about the make or compatibility of the machine.

Without fail every one of the shops I went into started by offering me a 486 for

around the £900 mark (including VAT). Obviously, they all needed a slight nudge in the right direction, so in each case I mentioned the fact that one of my friends had an Amiga and it looked quite good. In Silica Shop, as soon as I mentioned the Amiga, the sales assistant (who was their PC bod) realised that the Amiga would actually be quite a good choice and told me that the graphics for Babylon 5 and seaQuest DSV were all produced on Amigas.

I kept up my act of wide-eyed innocence and said that that was quite an impressive track record, at which point the sales assistant said that he didn't know very much about Amigas apart from the fact that they were very easy to use and could be hooked directly up to a video, etc. He suggested I wait for his colleague, the Amiga expert, to return to get the full gen, but he was himself far more enthusiastic about the Amiga's capabilities than his erstwhile comrade.

Persistent

My next visit was to Dixons in the Arndale Centre. I waited to see the computer expert, rather than deal with someone who only knew about stereos and once he was free, he came over and started to sell me a PC. Unfortunately, once more, the budget that I had fabricated of £500 was again exceeded, this time by about £150 in the form of a PC that wasn't going to be able to do what I wanted out of the box. I pushed in the direction of the Amiga (Dixons don't actually sell Amigas at the moment), but the salesman seemed uncertain as to the availability of the machine and suggested that they were no longer in production.

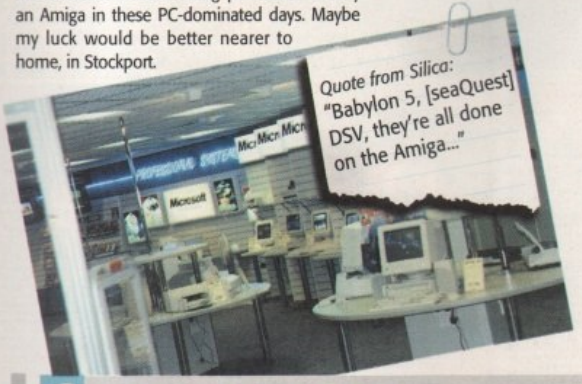
Thus discouraged, I decided to cheer myself up by going to visit the Escom shop in John Dalton Street in Manchester. 'After all', I told myself, 'Petro Tyschtchenko said that Amiga Technologies were going to place the Amiga in Escom shops because of the high rate of Amiga experience in the staff running the shops.' I wasn't lucky enough to get one of those shops though.

I walked around the showroom for a bit taking in the mini-towers, desktops, and full-size towers that littered the workbenches (no pun intended!) around the room. The only sign of an A1200 was a stack of three empty boxes in the window. I told my tale to the nearest salesman and he suggested I buy a... PC. His cheapest PC was about £620 and came with practically nothing by way of sweeteners. When I asked about a suitable paint package, the Man from Escom told me I could use Windows' Paintbrush.

I shunted the conversation towards the Amiga in what was by now becoming a slightly desperate attempt for somebody, anybody, to recommend Escom's new baby to me, but to no avail. The salesman's eyes just glazed over when I mentioned the Amiga and he frantically tried to cover up the complete lack of knowledge that he had about the machine. When asked if the Amiga ran Windows, the salesman didn't think so, and when I asked him about the specification of the machine he tried to look on the box, a job I could have done (the Amiga Magic bundle makes no mention of the machine's specification on the box).

He couldn't even tell me the price of an Amiga without having to consult another employee. I said that the PC was too expensive to start with and I just wanted a machine which I could expand at a later date, to which the man from Escom said that the Amiga was categorically not expandible. I turned on my heel and walked out.

I'd had my fill of Manchester. I trudged back along Market Street despairing of any of Manchester's citizens being persuaded to buy an Amiga in these PC-dominated days. Maybe my luck would be better nearer to home, in Stockport.



So into the shopping centre I went, hoping for a better performance. I went into Dixons and approached the first guy I saw in the computer department. "I'm looking for a computer." "What specification do you want?" "I want it to be cheap. I only have about £500." At this point in the exchange one of the Dixons staff sniggered to his colleague: "He's hoping! A computer for £500!"

At this point I was tempted to just walk out, but I persevered. I explained my situation and gave all the cues for them to suggest I try Tandy who do stock Amigas. But no, I was told that I should come back when I had the requisite, and by now familiar, figure of £650 to spend on a PC. As I left the shop I could hear the salesman and his cronies laughing behind me.

My last hope was Tandy, not a name to inspire confidence. I walked downstairs to the computer showroom where, notwithstanding the Amiga box on display in the window, there were only PCs to be seen. It was in Tandy that I suffered most at the hands of the PC bigots.

Solidarity

Unfortunately, my cover story as a starving art student was spoilt somewhat by the fact that the guy trying to sell me a machine had just finished a course similar to the one I described, so he was at pains to try and show me some solidarity. He told me of the joys of owning a PC and showed me a machine that was £250 over budget.

While he demonstrated the amazing benefits of PaintShopPro, a shareware image processing and paint package, he told me that a PC was the machine I needed. I told him I had seen an Amiga at work and was quite impressed and he said: "The Amiga is nothing like this whatsoever." The guy at Tandy has to be congratulated though for pointing out some of the more serious deficits of the Amiga.

He said that there wasn't much transportability of files (yes you can write to a PC disk on the Amiga, but you can't save out a document in Word format), you might not be able to get a suitable printer driver (actually he said that you can't even get a cable for a printer to connect to an Amiga), and you can't buy what software there is anywhere. He also advised me that I could upgrade my PC a bit at a time as I could afford it and end up with a far superior machine than the one I bought, relatively cheaply.

Conclusions

Unfortunately, things don't look too hopeful from what I've written, but the staff in the shops weren't entirely to blame. For a start, the Amiga doesn't appear to offer all that much for £399 compared to what the PCs offered for £650. It might seem like a huge jump in cash terms, but remember when you buy a PC you are also getting a monitor, 4Mb RAM (at least) and a sizeable hard drive. It's no wonder that shops that do carry Amigas don't try to sell you them, when selling a PC system is so much easier to justify to a potential punter.

Some of the blame must also rest on Amiga Technologies' shoulders, particularly the fiasco in their own shop. Not enough people are aware of the fact that the Amiga is back in production and by a company who are supposed to be different to bad ol' Commodore. In the death, people will only go into shops asking for an Amiga if they know about it and see its benefits. Unless Escom are willing to put some time into promotion (it doesn't have to mean expensive advertising campaigns) the Amiga is still going to sink into a bottomless pit. Shops won't carry it because they don't sell, they don't sell because the shop staff persuade people to buy PCs, then people who want to buy an Amiga can't find anywhere to buy one from so they buy a PC too, and so it goes on.

The solution to all the above comments is of course to make friends with your local independent retailer. He is in a position to be able to sell you an Amiga and support it too, and much of the Amiga's massive success (along with its future success) has been thanks to the small computer shop owner.

SOFTWARE 2000

ALL OUR PD DISKS ARE

99P

We stock over 6500 QUALITY PD & SHAREWARE

PLEASE SEND YOUR ORDER TO EITHER OF THESE DISTRIBUTORS YOUR ORDER WILL BE SAME DAY DESPATCH VIA FIRST CLASS P

How to order

To order any disk just write the disk title and the disk code, EG U01 Against. Some titles have a number in (). This means the title come on (x) number of disks. To order PACK just write down the pack TITLE name.

ALL DISKS ARE COMPATIBLE WITH ALL AMIGAS UNLESS STATED AGA Disk means for A1200/A4000 only

Price.....99p per disk

Please add 70p to total for postage & package

Pack price as stated. All Orders Same Day Despatches

For the very latest disk catalogue please add 70p

MAKE CHEQUE/POSTAL ORDER PAYABLE TO: SOFTWARE 2000 SEND TO (ADDRESSES TOP RIGHT)

PER DISK + CHOOSE 1 FREE DISK WITH ORDER OF 10 OR MORE DISKS

OVERSEAS POST & PACKAGE RATE

(Europe add 25p per disk for P&P)

(Worldwide add 50p per disk P&P)

SOFTWARE 2000
Dept (AC07)
48 NEMESIA
AMINGTON
TAMWORTH
B77 4EL
TEL: 01827 287377

SOFTWARE 200
Dept (AC07)
9 WILLS STREE
LOZELLS
BIRMINGHAM
B19 1PP
TEL: 0374 67806

TEL OR FAX: 01827 28737

SOFTWARE2000 FREE MOUSE MAT worth £2.99

FREE MOUSE MAT worth £2.99 with every order £12 or over. To claim your free mouse mat just cut & return this token with your order + enclose a extra 38p stamp to cover the mouse mat postage & package. offer only available with this token (limited 1 Mouse Mat per order exclude any other offer)

You may choose 1 FREE disk if Mouse Mat Not Required

*****AMIGA ESSENTIAL*****

DISK CLEANING KIT.....£2.99*

Complete with disk & cleaning fluid

Quality Mouse MAT.....£2.99*

10 blank disks & 10 labels.....£4.99*

50 disk protector sleeves.....99p

*Special offer £1 off if you order 5 or more pd disks

Top Various Utilities

U024 D-LOCKS protect your disk & files
U027 ULTRA-PAINT & SURF paint & 3D model programe
U029 CAN DO programing language
U046 DARKSTAR no2 (vol 2-5) load of util
U058 DISK MAG CREATOR created disk magazine
U117 NORTH C compiler (2) bril programing language
U122 SID 1.6 copy/delete/move file made very easy
U131 TETRA-COPY make tetris editor/copy disk great
U135 MOST USE UTILITIES (2) very useful util coll
U145 DOPE PROFESSIONAL very powerful disk copier
U146 C-MANUAL 2(4) Teach you how to programe in C
U169 PAINT AND ANIMATE create your own animation
U170 BIOMORPH PAINT V4.01 display your own biorhythms
U184 MASTER SEKA V1.6 completes Assembler language
U186 UNLIMITED DISK CREATOR will tool on are here
U187 M COMPUTER AID DESIGN - New commercial product
U188 SHOWIZ slide show maker 24+ wipe effect
U191 DISK-2-DISK complete/menu driven disk copier
U220 AMOS-PAINT VGgood paint package lots of feature.
U222 GRAPHIC UTILITY(3)lot of graphic converter tool.
U226 DC-UTILITY USE UTIL load of very useful util.
U229 SLIDE-SHOW CONSTRUCTION KIT easy to make
U240 ARCHIVER TOOLS pack more file on to your disks
U242 IMPLODE (4) disk pack on programe on disk
U243 The A-T COPIER (not Wb3) 13 disk copier.wow
U252 POWER UTIL load of tool for programe. bril
U282 LAND BUILDER create realistic landscape.
U284 COPY & CRACK TOOLS back up your software
U300 ASSEMBLE IT (2)Complete DEV kit files.
U301 AUTO DISK LOGGER catalogue your disk
U321 GRAPHIC util 1(3) load of bril graphic util
U322 GRAPHIC util 2(3) even more brill graphic tool
U333 SCENERY MAKER more lanscape generator
U334 SATELLITE COLLECTION (2)(c64 emulator)
U335 FREE COPY back up commercial games
U337 MODEL 3D Brilliant 3d object designer
U338 MULTI-VISION (2) disk/files utilities
U340 HACKER-TOOLS many ripper tool
U350 POOL TOOL-predict horse with best chance
U351 RACE RATER Similar to above, but bolts
U358 STAR CAT 2-create catalogue disk easy
U359 DISKEY find lost file on floppy & Harddrive
U360 R.P.G (2) adventure creator
U363 DISK REPAIR KIT-salvage & repair damage disk
U376 WORD SORT process ASCII file
U377 NCOMM IB more modem software + packer util
U380 UNICOPY fantastic disk copier
U399 FRACTASCAPE V1.2 new fractal similar to VISTA
U400 SOUND TRACKER V2.6 music maker
U402 SPEED BENCH (not Wb1.3) create auto boot wb
U404 The RIPPER popular copier
U436 The RIPPER COLLECTION(not WB3) lot ripper
U442 VISINFO read brief info on your AMIGA sys
U444 FONT FARM font creator/editor/design new font
U457 WHOM 2 (3DISK) Detail/database on 51 films
U470 DISK FONTIER 1 (2 disk) Star-trek magazine
U473 FINAL FONTIER 3 (4cdisk) Star-trek magazine
U480 HARD DISK CLICK-HardDrive menue system
U490 Sound Studio- Amazing pack with 207 utilities
U491 PROTRACKER V3-Best music writer programe
U494 WB MASTER(2)Disk WB1.3 only)WB-replacement
U495 HARD DISK UTIL bril collection of Harddisk util.
U496 EASY PRINT (A500only) lot of print util
U498 ULTIMATE (3) brilliant disk util compilation
U501 THE MUSIC CONSTURCTION KIT(state amiga own)
U504 HOT-STUFF-more util disk compilation
U505 WINBACKUP & DISK RESALVAGE/REPAIRE KIT
U507 DOCPY V3 PROFESSIONAL -Excelent Disk copier
U509 ULTI-BOOTBLOCK 40+bootblock generator/maker
U510 ULTIMATE BOOT-BLOCK Collection II +more
U512 ZIRCON UTIL-30 MOST USE UTIL 2 brilliant
U515 WIT COMPLETE UTIL 20 most use util
U521 SPECTRA PAINT III Very good paint packages
U530 SCENERY CONSTRUCTION KIT best at recommend
U551 ASSASIN BOOT BLOCK over 50 bootblock protector
U555 CROSSWORD CREATOR (not WB3) crossword maker
U561 PERM CHECK- a full BOOL PREDICTION program
U568 ICON CONSTURCTION KIT icon making program
U588 ICON (3)ready made (4 disk)
U590 A600 NUMERIC PAD EMULATOR (A600 only)
U591 DEGRADER (not WB 1.3) A500 emulator
U592 KICK PROFESSIONAL very powerful disk copier
U600 C64 EMULATOR II util, & document
U601 DISKSALV II + -ATTACK(P (not wb1.3)
U603 THE ULTIMATE COMPENDIUM for over 450 games
U620 HOW TO CODE IN C (2disk) + many examples
U627 DISK REPLAY V1.5(A500/1000+ programe on disk
U623 ACTION REPLAY V4 (A1200 ONLY) same as above
U645 PC EMULATOR V.2.31(WB3 only) SVGA PC emulator
U650 QCP - CRACK TOOL (2 more powerful copy programe
U680 NEW SUPER VIRUS KILLER(not WB3)kill 316+ virus
U688 FORCASTER V2-horse racing prediction program
U690 ASSASIN COPIER (lots)more Kcopy/Xcopy ect
U694 SUPER DUPER 3, (NOT WB1.3) Vtest disk copier
U696 AMOS_PROFESSIONAL disk database tool
U699 MEGACHEAT V3 +(more games cheat even for)
U700 ANIMATION CONSTRUCTION KIT V1.2 + good
U702 V_MORPH UTIL load of tool for morph animation
U703 POOL TOOLS 2(Latest)prediction horse racing.
U705 TRONI-CAD-best create circuit board+examples
U707 DISK MANAGER(3&4)-(2)For use more games cheat.
U708 LAST WILL & TESTAMENT-write your will
U710 PERFECT-PAINT 32 Very easy to use paint package
U714 ENGINEER KIT various test kit for Amiga
U718 MAGNUM 1.9 REGARD the best disk magazines creator
U721 FONT FARM COLLECTION (2)Font editor
U723 EXOTIC RIPPER rate as the best sound/graphic ripper
U724 PARNET SET UP(2) require for the connection
U725 PARNET CABLE MAKE INSTRUCTIONS how to
U726 AREX MANUAL(notWb1.3) complete manual.
U729 ASSASIN BOOT UTIL 50 boot block beater util
U730 SOFT AGA (A500plus or A600) & min 1.5 meg
U731 A - Z GAMES CHEAT for over 500 games
U732 MEGA-PROFESSIONAL CREATE TRAINER EFFECT
U736 AWARD MAKER II+hundred of ready made
U737 ASSASIN CRUNCH & COPY TOOL (WB 1.3 only)
U738 5 KICK PROFESSIONAL (2) Best KICK util
U739 TURBO IMPLODER V3.1 powerful disk cruncher
U740 CROSS DOS 6.5 plus read/write PC+ AMIGA disk
U741 DISK-TOOL BOX many more Disk util recommend
U742 HOW TO CREATE AUTOBOOT DISK,complete + util
U743 UNI_ Disk Maker v3, MAKE AUTO BOOT DISK
U744 FRACTAL MANIA+BIOMORPH Brillant collection
U745 AF WORK BENCH (3)(WB 1.3 ONLY) replacement
U746 3-D GARDEN DESIGNER & wipes many angle bril
U747 ASTROMY Y2 predict star planet prediction.
U749 DISK REPAIR Odyssey & HD(include soft-protect
U750 MUSIC CATALOGUE..(not A500(1.3) very easy to use
U751 SYTEM CHECKER TOOL must for any Amiga owner
U753 HARD DRIVE UTIL-store more Hard DRIVE UTIL
U754 PARBENCH installer (complete)
U755 PRO CAD electronic.latest circuit board designer
U758 WB MASTER(2)Disk WB1.3 only)WB-replacement
U760 ICON PLUS (3DISK) Hundreds of stunning ICONS
U761 RELOCKIT 1.4 latest WB1.3 emulator
U762 FAST FAT FREE (2) Best disk util compilation
U777 TELE TEXT RECIEVER project. highly recommend
U781 DOSTRACE PC display information on programe
refuse to run, also monitor Amiga activity. RECOMMEND
U783 POOL WINNER GOLD must for all gamber
U789 ULTIMATE RESOURCE 2 (2) build dos menu (re MMU)
U790 WINDOW BENCH V2 (WB 2/3) 2disk new workbench
replacement, include lot of useful utilities
U791 COMPUTER DIAGNOSTIC TEST V5 amiga Fault finding
U800 PRINT A CARD include many ready made
U801 MULTI-PRINT V4 lot of printing util
U805 DISK PRINT print custom disk lables
U807 FONT & PRINT Loads of utilities to wiew & print
your font collection. RECOMMED
U830 POOL WIZARD -(football) prediction
U832 DIVIDEND WINNER- Prediction programe
for use with LITTLE WOOD, VERMON, ZETTER Ect
U834 FORCASTER (2.0)2 New Horse prediction Prog
U836 AUDIO MAGIC 4-Protracker V3,Exoctic ripper
U843 AUDIO MAGIC 8- Octamed player ect
U845 C64 emulator V3 (2disk) Commodore1atest
U848 SPECTRUM EMULATOR V2- Spectrum emulator
U850 EAGLE PLAYER (2disk) the best music player.
U851 DELUXE-TRACKER (2disk) play all mash format.
U881 SONIC DRUM KIT V2 Make drum sample
U882 DISK-SALV 4 Recover lost data from corrupt disk
U883 OPTI-Utils 1-over 30 disk copier/Optimise ect
U885 INTUITON BENCH MARK V6.5 (Not Wb1.3) syste
U886 COMPLETE WB UTIL (2DISK) very useful Util set
U887 DISK REPAIR KIT 4+include disk repair,
undelete,softprotect, bitmate, system ect
U950 STEREO SCOPIC V2.6 (not A500/1.3)
This is the RAMDOM DOT STEREOGRAM generator.
U951 FORTH PROGRAMMING (NOT WB 1.3)
U957 SCALA BACKGROUND (2disk) High quality imag
U960 PROGRAME LOADER-New HardDisk menu
U961 MAGAZINE 2 Scenery creator fractal magazine
U963 AMOS & AMOS PRO COMMAND EXTENSION
U967 PICTURE-EFFECTS Speed up disk loading.Access
U970 HARDDRIVE SECURITY 4 Large collection of ha
scerity programe eg Lockout2,Password & many mo
U971 HARD-DISK & FLOPPY DISK DOUBLER
(2pc)notWB1.3
U973 CHEAT FOR 800 + GAMES, LEVEL CODE V3.3 (2
U974 HD GAMES INSTALLER 2 many games to
EG.ZOOL2, Rise Of the robot,Mortal Combat2 & more
U975 DMS V3.04 Pro. Crunch entire disk (not1.3)
U976 MAGIC SLECTOR V1.4-Change Magic WB back dr
U977 MAGICWB ICON ARCHIVE (3) 1000's of MGwb ic
U978 X-PASSWORD-powerful password copy hard/floppy drive
U979 ICON ACHRIVE(3) 1000 s of normal Icon(any Am
U994 TEXTURE STUDIO. Render Various Texture
for use with Imagine,Lightwave,Vista ect
U995 PRO-GAMBLES V2 must for all gamblers.
U996 BOOT-MENU-Create your own boot menu
U997 HD GAME INSTALLER 3. install more game to H
U998 EXOCTIC RIPPER V3.b Latest ripper
U999 HARD-DRIVE Jaguar replacement MMU
U1000 MAGIC OPUS VOL 2 & 3 (2D) more Dopus butt
U1001 CAD DATA & ANALYST-check your car performa
U1002 TURBO CAT+ WB 2&3 only) basement
U1003 LOTTORY WINNER V2-new version
U1004 CHESS & TUTOR Many chess tutorial electroni
U1006 LOTTO LUNACY V2 Update latest lottery predic
U1007 ALL NEW HARD-DISK & FLOPPY DISK TOOL 2
U1008 HARD-DISK OPTIMIZER (3) 2 (2) build dos menu
project even how to fit Amigas in a tower case
U1009 DATA ALERT 3-explain why your computer crash
U1010 WB2.04 INSTALLER-install A500+/A600 to HD

MUSIC

M001 BEASTY BOYS - We Want Some Pussy songs
M002 MICHAEL JACKSON - Song BAD
M003 DO THE BARTMAN
M005 100 C64 TUNES (not A1200)
M006 BAT-DANCE REMIXED
M017 GUNS & ROSES - YOU'RE CRAZY
M018 MONEY FOR NOTHING - DIRE STRAITS HIT SONG
M027 BLUES HOUSE (2 disks)
M029 SAFE SEX DEMO - Very funny
M031 BETTY BOO (2) needs 2 drives (brilliant)
M058 SGT - PEPPER (2D)
M072 MADONNA - Hanky Panky Song
M084 C64 GAMES MUSIC
M113 MAHONEY & KAT'US 2 - 40 tunes compilation
M125 ADAMS FAMILY
M150 TIFFANNY - I Think We're Alone Now
M171 MADONNA - (Like a Virgin)
M174 MICHAEL JACSON - RHYTHM NATION
M177 PET SHOP BOYS
M184 SAM FOX (Please Me)
M188 JOE LE TAXI
M189 MICHAEL JACKSON (Smoot Criminal)
M194 JESUS ON E's (2 disks)
M208 ABBA - Gimme Gimme
M262 A TO Z OF C64 GAMES MUSIC (4) Brilliant
M314 DICK TRACY (Madonna) (2)
M335 STAR TREK & STAR TREK NEXT GENERATION (2)

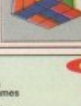
PRINTER MANAGER

U427 PRINTER-STUDIO excellent print results
U599 PRINTER TOOL - includes typewriter, spooler etc
U792 PRINTER UTILITIES best latest banners
U793 STAR PRINTER STUDIO - for all star printers
U794 SEIKOS STUDIO - For all Seiko printers more specific
printer driver for the above printer
U733 PANASONIC STUDIO - 9 & 24 pin printer driver & util
U734 CITIZEN PRINTER STUDIO not A500 (1.3)
U735 PRINTER STAR 24/200 FONT DESIGNER - shareware
U782 CITIZEN PRINTER MANAGER for all Citizen printer
owners containing many useful printer util & drivers.
U884 CANNON PRINTER STUDIO -f or all models for use
with Cannon printers
U757 190+ PRINTER DRIVER largest collection

VIDEO TITLERS/TOOLS

U181 VIDEO NOTE database for your video collection,
U431 VIDEO APPLICATION (2 disks) many video titler prog
U250 VIDEO TOOL (3) loads of video utils. Recommended
U944 VIDEO MACHINE - RHYTHM NATION
U965 VIDEO MAXE V4.33. The latest in video
U513 VIDEO-STUDIO 1 & 2 (best video titler tool) cata-
loguing system. Dozens of functions
U671 TELE TITLE 2 - Great new VIDEOS titler
U113 VIDEO TITLER (2 disks) with EXCELLENT TITLER-BEST
U920 TELESCROLL 2 (not WB 1.3) Easy to use Video
titler loads fonts
U921 CADDING VIDEO ANIM (2 disks) Requires D.Paint
3/4. Very high quality
U922 CAPTION MACHINE excellent Video titler
U923 VIDEO MANAGER (Not A500 1.3) Video cataloguing system
U925 Video Titler - very good video titler

PUZZLE GAMES II



Massive collection of the best puzzle games ever released including some of the classics like Nubic Cube, Picture Puzzles etc, much too many to list. Very popular.

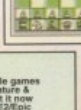
5 disk pack only £4.99

ARCADE GAMES II

COLLECTION OF THE VERY BEST SHOOT EM UP MUST FOR ANY GAMES PLAYER

5 disk pack only £4.99

BOARD GAMES II



The very best board games ever released. This pack contains the very latest, CHESS, CHECKER, SCRABBLE, MONOPLY & DOMINOES recommended.

5 disk pack only £4.99

Printer Pack

5 disk pack with all the latest printing program specially designed for printing out high quali documents, text & pictures etc and it is even a to print out A5 Booklets (very handy). Easy to u A must for any Amiga owner with printer.

Printer Pack (5 disks) only £4.

GAMES

G232 MEGA 21 GAMES amazing 21 games
G235 DRAGON-CAVE brilliant 3D puzzle games
G240 QUADRIX very addict excellent
G243 TANK EM OUT - like to Operation wolf
G253 DESTINE MOON BASE Arcade conversion
G272 TANK BATTLE 2 player tank battle game
G288 ARCADIA the best ARKNOID clone
G300 Q-BOID cross TETRIX and INVADERS.
G303 DIMENSION X 2 player LIGHT CYCLE GAME
G310 NEBULAE Excellent 3D shoot em up
G316 GALACTIC Excellent 8 levels arcade
G320 MEGA-BALL Speed ball -level editor
G320 GHOST-SHIP Very good 3D adventure
G325 BATTLEMENT hunch back of notchs
G326 MEGA GAME COLLECTIONS III 3 top games
G329 MADONNA NUDE PUZZLES for 18+ only
G332 CRAZY SUE II- best platform to date
G342 SUPER SKODA CHALLENGE (& track editors)
G348 TRAIL BLAZER 2 C64 conversion
G341 E-TYPE 2- very good asteroid great graphic
G343 OLEMPIAD DISK (2D) Olympic sport events
G345 DEFENDER GAME tank, search & desender
G346 OBLIDOX excellent Arcade/Puzzle game
G348 PACHUTE JOUST quite playable 2 he
G355 CASTLE OF DOOM VG graphic adventure.
G360 WIBBLE WORLD GIDDY Large platform game
G367 CASH (2DISK) great fruit machines
G378 AMOS CRICKET cricket games
G388 EXTREAM VILONCE 2 player battle out
G389 MAHJONG MACHINE very challenging puzzle
G390 MEGA BALL 2 very playable break out clone
G391 SPACE BLAST brilliant graphic adven
G492 ZOMBIES & DEFENDER 2 fantastic games
G494 MERCANERY SIMULATION 3D wars games
G499 Lot of pinball very intresting
G500 TRANSPLANT dozen of level fast arcade.
G501 KLAWZ THE KAT-great platform games
G511 WILL WELL like SPY HUNTER on the C64
G531 OPERATION FIRESTORMS-brilliant
G534 CASTLE KUMQUAT similar to Alien breed
G535 BLACK DAWN brilliant graphic adventure
G538 MORIA 5.4 The latest Dungeon & dragon
G539 BIRDIES 2 Latest version of Brilliant
G540 ORK ATTACK bloody adventure

G541 REBOUNCE 2 player futuristic breakout
G542 ROAD TO HELL brillant car racing
G544 SUPERTOM CAT New vertical shoot em up.
G545 KUNGFU CHARLIES mix with Gremlin brill.
G546 RAID 4 latest vertical scroll shoot em up
G546 QUIZMASTER very good quiz programe
G552 ELEVATION games base on nfl '72
G560 IMPERIAL WALKER -Base on STAR WAR games
G567 STARBASE 13 (2D) Bril like MONETY ISLAND
G657 AMOS LOADSA MONEY best FRUIT-MACHINES
G659 MR MEN OLYMPIC (2D) many event to complete
G660 4 L.C.D DREAM 4 mental hand held games
G664 NEIGHBOUR GAMES (2D) base on the TV series
G665 TIME RUNNER (WB2/0) Brillant graphic
G667 GOLF (2DISK) One of the first & decent GOLF
G668 AMOS CRICKET 2 New Amos cricket simulator
G669 MIGHTY REVENGE gangster graphic adventure.
G672 JIGSAW (2DISK) very playable jigsaw games
G673 BOBBY GARDEN + DIGGER (NEW) Brillant
G674 HIGH GEAR - best car racing (nowb1.3)
G675 TIME RUNNER amazing graphic adventure
G680 SPACE-INVASION 2 - Fantastic Galaxain
G681 AUTOMOBILE - PD version of SKID MARK bril
G682 BANDIT MANIA - Brillant fruit machine demo
G685 PINBALL BUZZ BAR -Brillant asteroid
G689 GUN FIGHT (not A500\1.3)
G690 THE REAL POPEYE 64 (a500 1.3 only)
G692 SYSTEM DEFEND-Brillant Defender clone
G698 AMIGA-BOY-Game boy emulaor + tetriz
G732 DETHELL IN SPACE. Recommed.
G735 OVERLANDER Brillant arcade MOON ALERT
G737 SERIOUS BACKGAMMON The best in PD BG
G771 STAR WORD (2 Disk) brillant Tryout
G772 UN-SENSIBLE SOCCER very similar to
Sensible scoccer games. RECOMMEND

All games are selectable from an easy to use menu & each game comes with full playing instructions

101 GAMES 2

PRICE ONLY £10.99

This is the very latest all new 101 games compilation pack 2 containing some of the very best in PD games like Zeus, Wonderland, Dragonfiles etc. Much too many to list.

COMPATIBLE WITH ALL AMIGAS

G772 FRUIT MANIA -Brillant Fruitmachine.
G773 TREAT OR TREAT like DOOM on the PC
G775 FOOT-BALL MANAGER-new version
G782 SOLO ASSAULT 3D like Wing Commander
G783 SOCCER MANAGER (TEST) not 1.3
G784 NANO FLY Superb explore game RECOMMEND
G785 THE GREAT GOLD RAID- very addicted
G787 MAC-MAN Operation wolf style
G788 ZENO-MORPH -Great grahic
G789 TANK WARS good MIND SHADOW clone
G790 GREEN FIVE Amazing 3D graphic like
G791 PROFFESIONAL BINGO CALLER
G792 MARTIAN SPIRIT like Street Fighter II
G798 6 EXCELLENT CARD GAMES collection
G809 BLITZ 2 fast action shooting games
G810 EXIT +2 Brillant puzzle
G811 TEMPORAL MISPLACEMENT-graphic adventure
G812 BOULDER COLLECTION 2(3 160 level clone)
G820 BOULDER ORIGINAL with 80 level
G821 BOULDERDASH cave/level Construction kit
G822 BOULDER COLLECTION 2(3 160 level clone)
G839 BOULDER PACK with 640 level on 8 disk
G860 ALIEN NET WORK-new Spacing invader
G861 BATTLE FORCE excellent tank adventure.
G863 GNU CHESS the best chess with 10 level
G868 SWORD OF YIGO Graphic adventure
G867 POWER-TETRIZ for 1 or 2 player
G868 SUPER SMASHING TETRIZ
G870 CHESS II & CHECKER One of the best around
for all CHESS or CHECKER player
G871 GRAVITY FORCE 2 1 or 2 player thrust clone
G872 SCHNEBITZ Commercial quality puzzle games
G875 DELEKE GALA v2.3(new) add new feature &
bouns gamme + 2 player RECOMMEND. get it now
G876 THE WILLIAM ADVENTURE (2)(2 disk)
G878 QUANTUM-Maze colect & escape type games
G879 RAG TO RICHES - like MONOPLY

NEW 101 GAMES PK 3

New 101 pack 3 contains over 100 games, runs on all Amigas, only £11.99 offer buy any 2 packs together & receive a free £4 token for use with next order. This offer cannot be used with any other offer current & subject to condition apply.

G884 WIPE OUT-mindless blasting gamae
G885 QUOTA LEVEL-Amazing shoot em up
G886 SUPER MEGA FRUIT- All new Fruit Machine
G888 DRIVING MANIAC 3D (fill vector like
Indi500) one very fast, RECOMMEND
G889 PLANET FALL - Luner Lander clone
G891 BUCK TOOTH ADVENTURE Very good multi
level shoot/collect game. RECOMMEND
G892 PENGO 2- Maze type games. Recommend
G893 SUPER GLUTERATION Blast monsters very
similar to PANG 2 lot of weapon RECOMMEND
G894 SUPER INVASION II -New SPACING INVADER
G897 THE SHERIFF Brilliant POPULOS clone. REC
G898 ALIEN GENOCIDE (2) Shoot aliens set in space.
G899 PUZMAN One of the better Packfen around.
G900 SUPER-BATTLE ZONE-3D (not WB1.3)
G901 M*A*S*H a (ANTWAR 2) play very similar to
G902 EMPIRE WARS- Good load of Weapon (Brillant)
G904 LAST SOLDIER (2) multilevel platform games
G905 CBBERTECH (2) excilent ALIEN BREED Clone
G906 HANGMAN any one for a game?
G907 ACE SPACE mice Platform games
G908 COLONMANIA -like/Klatrix type puzzle games
G910 HARRY-HADDOCK- Brillant platformer games
G912 MANGLE FENDER -Brillant, Smash up other
cars/aliens etc, extremly addicted game
G913 ARCADE GAMES CLASSIC Vol 1 & 2 (2d)
G914 HELICOPTER-play like Desert strike
G915 GOLF WARS- Very addicted 2 player games
G916 ISLAND -Play like Monoply.
G919 CONTEST 2 new for a game. Lottery preditor
G920 LOTTERY PROFFESIONAL This version use
G921 MONOPLY. (board games) The best version
G922 SUPER DARTS (2) excellent platform games
G923 FLAMMING ENGINE-Superb car racing
G924 POWER MACHINES. Graphically brill shoot
G925 SUPER-MAC-ATTACK Operation wolf style
G926 ZAXXON 3D Superb C64 3D blaster games
G927 DARK WIZ (2) great platformer, excellent
G928 PUNTER-Animate horse racing games
G929 ARCADE JIGSAW (2d) include LION KING
G930 WHEEL CHAIR GLADITOR-Very fun to play
G931 NIMBLE-Brillant New arcade puzzle.
G932 BLAZE ACE 3D- THE NEW BEGINNING (2)
Superb 3D adventure. RECOMMEND
G934 R3 ROCKET (NEW)very good rockets games
G935 BATTLE SHIP- the finest PD version
G936 LAST LAP - Fast car racing

NEW 101 GAMES PK 3

GAME HINTS & CHEATS II

Play your favourite game for age? but can't get to the end of level or game? Having problem with some games? 5 disk pack with 1000s of games cheat/help/level code action replay poke etc., should help you finish many games - suitable for all Amigas only £4.95.

Update & release on 28 July '95

EDUCATION

E001 KID PAINTS. superb paint special for kids
E002 COLOUR IT brillant computer colouring book
E003 FIND THE DIFFERENCE find the differ feature.
E004 LEARN & PLAY (not A1200)many maths & games
E005 LEARN & PLAY 2 more education programes
E006 SPANISH TRANSLATOR Spanish to English
E008 MR MEN (WB1.3only) brillant story adventure
E009 ASTRONMY tutorial on solarsystem
E010 SIMON & SPACE MATHS maths & simon games

E011 EDUCATION PACK 1

pack with dozens of education programs ranging from maths, science to educational games recommend suitable for early learners. 5 disk pack only £4.99

E019 DINOSAURS teach you all about Dinosaur
E020 WORLD DATABASE require (2+meg)
E021 STORY LAND II interact puzzle games rec
E022 LEARN TO SPELL teach you 1 language
E023 TALKING COLOURING BOOK talking Qpaint bril
E024 SPELL IT improve your spelling ability
E025 SCRABBLE require 2-4player, brillant
E026 WORDS can help you solve the crossword
E029 EASY MATHS tutorial for computing ease
E030 EVOLUTION breed your own hybrid
E031 IQ TEST + IQ GAME'S pack 1 excellent
E032 MATHS GAMES very good beginning tutor
E035 CHESS HELPER help/teach how to play
E036 BASIC TUDOR learn about Amiga basic Prog

EDUCATION & 21 GAMES PACK

Collection of the very best of education programs and a 21 games pack together combination for kids (run on all Amiga) 5 disks pack only £4.95

E038 AMIGA TUTORIAL 7 part tutorial
E039 COMPUTER DISK 1 Learn about AMIGA
E040 GUIDE TO LOWER BACK PAIN tutorial the
spine & how to avoid back pain. (recommend)
E041 ENGLISH PHABET display all alphabet letter
E042 FRACTION & SILOUEST maths & games excellent
E043 MATH MASTER teach/test you more on maths
E044 MATHS ENGINE V2 great for children
E045 PETROL ENGINE tutorial & animate graphic
E046 ANIMATION ENGINE superb Amiga program
E047 STIRLING ENGINE tutorial & anim graphic
E050 DREAM FOR ANGEL explain the meaning of dream
E051 FISH TANK turn your amiga into a FISHTANK
E052 FISH TANK (2)ON WINDOW Similar to above
E055 WORD POWER solve crossword puzzle ect good.
E056 WORM HOLE simple game ideal for children.
E057 WORD SEARCH Excellent catch words game
E058 CROSS MAZE & CRYPTOKING 2 excellent kid games
E059 VERB QUIZ find the word & it related. Brill
E061 GAMES BIBLE (4d) compilation 3 games excel
E066 TARROT clairvoyant in a instance
E068 MATHS GAMES 3 games of maths & games!
E070 MATH DRILLS teach all basic math skill Vgood
E071 ERROR INFO give info why your amiga crash
E072 BATTLE OF BRITAIN Excellent WW2-WAR
releate program eg simulate Starprobe/ molecube/ ect
E076 SCIENCE an excellent collection of science
ideal for pupils studying eng or students
recommend. this pack come on 4 disks
E080 KIDPIX great children paint programme.
E081 ASTROMY PACK- This is a mazing collection
of programe relate to astromy. can help to locate
certain or star position ect, must for anyone
who studies astromy or hobby. great (4DISK)
E079 PICTURE & LETTER learn to read- brill step
E074 AMIGA BEGINER GUIDE tutorial on Amigas
E085 NODDY PLAYTIME demo >Very Good
E080 KID PIX more excellent paint pro programes
E081 D.T.P FOR KID easy to use, excellent
E092 SING A RYHMES sing a song
E094 HIGH WAY CODE TUTOR question on highway code
E096 READ & LEARN (2D) THREE LITTLE PIGSY Story
E097 BACK TO SKOOL vol 1 collection of the best
E098 BACK TO SKOOL vol 2 in education programe
E099 BACK TO SKOOL vol 3 & games. RECOMMED
E100 LITTLE TRAVELER imfomation on world wide
E101 WORLD GEOGRAPHY world with map & text
E103 DELIVERY OF THE MAIL Excellent for the Atom (2
E104 DESK TOP GUIDE TO MUSIC(2D) guide & tutorial
E107 TEACHER'S PARADISE (2) Very entertain
way to teach your child the ALPHABET
E108 HOW TO DELOVOPE PHOTO 1 (2) Excellent
E109 MR MEN OLYMPIC (2D) many event to complete
E110 CULT TV DATABASE (2D) Info on early TV series
E112 HOW TO DEVELOPE PHOTO 2 (2) delerope your
E115 ELECTRONIC WORK DS(3D) Complete Electronic
E116 HOW THE EARTH BEGAN-theory how the BIG BA
explode and evolve all the way to galaxy
E118 WORKBENCH 2 tutorial on Work Bench 2
E119 DINO WAR Quiz on dinosaurs
E120 JUNIOR MATHS (2)Learning aid for teach
kid on the math subjects. RECOMMEND
E121 PHOTO PUZZLE brillant classic type games
E122 WORD FACTORY Brillant, teach kid words

KID DISKS 1,2,3,4,5

Excellent collection of education programs, Ideal for teaching kids various subjects while retaining the fun & game element. 5 disks pack only £4.99 or seperately for only 99p per disk. Order Code KID DISK & No. 1-5

E125 JURASSIC PARK lots of info on dinosaurs
E126 CHILDREN SONG 2 contain 5 excellent song
E127 MINI SHU (also good for kids) Reasoning
E128 ASTRO 22 PRO,V3-The latest astrology program
that accurately calculates the position of the planet,
eclipe, zodiac position etc. Recommend
E130 FRENCH VERD TESTER should help you with fre
E131 CULT TV DATA BASE V2 (2 DISK) info on early TV
E132 WORLD HISTORY BOOK
E133 LITTLE TRAVELLER II (2) Infomation on world wid
E134 LOTTO PLUS-5 how to use TV series is very interesting
E148 CHESS & TUTOR - FULLteach you how to play ch
E150 INTERNET-FULL guide to internet & superhighway
E161 CLI & SHELL TUTOR (2D) Very good beginner
E162 DELUXE PAINT GRAPHIC TUTOR V 3 & 4 RECOMM
E163 JAPANESE - teach you the Japanese language
E164 PAINT IT (not A500f.3) latest COLOURING BOOK
E165 KEY BOARD TRAINER An excellent tuging tutor.
E166 MOVIE MAKER (2)Reasonably priced screenplay writer/tea
E168 CROSSWORD CREATOR-design crossword
E169 CHESS & TUTOR Many chess tutorial
E170 HISTORY OF AVIATION Vol 1 Excellent disk
E171 CHILD FAVOURITE-Education prog
E172 LANGUAGE TUTOR (2D) Very intelligent
E175 FRANTIC GUIDE TO COMPUTER(2D) brillant & fur
E177 CYBER PUNK 2 for cyberPunk freak only
E178 ELECTRONIC CIRCUIT DESIGN & SIMULATION GU
THE COMPLETE GUIDE COME WITH HUNDRED OF SCR
SHOTS - FROM BEGINNERS TO EXPERTS. RECOMMEND
E181 SIGINTURE CREATOR customise your own signi
E182 VIRUS WORKSHOP V4 comprehensive guide
E184 HD GAMES PACK
E185 WORKBENCH 2/3 GUIDE On line help/Complete
E210 LEARN & PLAY 3 Latest Education & Games
E240 DISTANCE TO BE SEEN Astronomy (2d)
Brillant teach your child about animal
E241 COMMS GUIDE V1.1 beginner modem user
E242 GUIDE TO WEATHER (3d) superb complete
guide to the weather. recommend
E245 ATTACK ATTACK- Arcade games for kids
E242 ANIMAL-LAND-ideal for young kid. Excel
E246 PHOTO-MATHS-Maths program for kids
E248 BEGINER GUIDE TO WB 3 (A1200 only)
E247 GLOBE FACT(2) fact about planet earth
E248 KID ONLY - 6 excellent game to play with
E250 SANTA -Help Santa collect present games
E251 BIRSTHDAY HISTORY V2.2
E252 BAR-TENDER-mix over 1000 drink/cocktail
E253 BEGINNER TYPING TUTOR-

NEW EDUCATION & 21 GAMES PACK 2

Latest education pack & new 21 game collection (5 disk packs) only £4.95

101 GAMES

PRICE ONLY £9.99

Brillant collection of over 100 of the very best of PD games includes INVADER 2, Tetris, Monopoly etc. Much too many to list. Very easy to use menu system. Most games come with full playing instructions.

MUST FOR ANY GAMER PLAYER.

All games are selectable from an easy to use menu & most games come with full playing instructions

COMPATIBLE WITH ALL AMIGAS

WE ALSO STOCK THE ENTIRE COLLECTION OF LSD LEGAL TOOLS 1-150 SCOPE 1-220 FRED-FISH 1-1000 LSD DOCS 1-46 ASSASSIN GAMES 1-200 ET

VARIOUS PACK

Any pack comes on 5 disks only £4.95 per pack

COLOUR FONTS Pack (1 or Pack 2)
MONO FONTS Pack (1 or Pack 2)
High quality fonts for use with Dpaint or Personal Paints
VARIOUS CLIPART Pack (1, 2 3 or 5)
COLOUR WORLD MAP (Pack 1, 2 or 3)
High quality world map
COMPUTA-GRAPHIC FONT (Pack 1, 2, 3, 4 or 5)
High quality font for WORDSWORTH or any DTP
IMAGINE VARIOUS OBJECTS (Pack 1, 2 or 3)
REAL 3D VARIOUS OBJECTS (Pack 1, 2 or 3)
LIGHTWAVE VARIOUS OBJECTS (Pack 1, 2 or 3)
TRUE FONT FOR ABOVE (Pack 1, 2 or 3)
(Please state for which pack above)

We also stock many more packs. Please Phone

COMMODORE C64 V3

The very latest version. Now you can play real Commodore C64 games on your Amiga. All packs below are complete & ready to play directly on your Amiga. Printed instructions provided.

C64 & 45 original games ..£4.99
C64 & 100 original games ..£8.99
C64 & 200 original games £16.99

P.S. C64 V3 & 100 GAMES PACK GOT 88% REVIEW IN AMIGA SHOPPER ISSUE 54

ZX SPECTRUM 48K

Now you can play 100's of Spectrum 48K Games on your Amiga. Any Pack below is complete & ready to run on your Amiga. Full printed instructions provided.

SPECTRUM + 50 GAMES PK1 ONLY £4.99
SPECTRUM +100 GAMES PK2 ONLY £7.99
SPECTRUM +200 GAMES PK3 ONLY £11.99

SPECIAL OFFER

Take all 3 packs above & 50 New Spectrum

Special Offer

C64 & 45 games pack
Spectrum V2 & 50 games
Vic 20 & 30 games

All 3 packs for only £9.99

SEE LEFT FOR DESCRIPTION

1000 SPECTRUM GAMES pack

See left for details. This pack comes on very large number of disks £39.99

NOW ONLY £29.99

C64 v3 & 400 GAMES

C64 v3 PK4

Special offer C64 v3 and 45, 100, 200 games pack with extra 55 C64 games making 400 C64 games & utilities disks. Comes on large number of disks + games list and loading leaflet. Only £24.99.
See C64 or Spectrum advert box for more details

AGA A1200 & A4000 ONLY

THIS LISTING ARE FOR USE WITH AGA AMIGA

AGA001 EXTENSION DEMO Stunning demo, fast landscape scrn and a rotating city, regard the best AGA demo
AGA002 FRACTAL GENERATOR fractal in 256 colour.
AGA003 WORKBENCH HACK many hack/toy/blanker etc
AGA006 NEW SUPER KILLER know kmow & kill over 70 type of virus must for all A1200 owner
AGA007 MINDWARP very first demo for the A1200
AGA008 KLONDIKE DELUXE AGA (3D) the best A1200 card games with glamours lady as cards face 18 + only
AGA011 SLEEPLESS NIGHT 3
AGA012 PLANET GROOVE Truly A1200 Demos
AGA013 MOTOR INVADER 2 (2D) Brilliant INVADER game
AGA015 POINT OF SCALE Great A1200 only demos
AGA016 CHROMAS- Fairly good demo.
AGA017 WORLD OF MANGA (DISK) magnificent Japanese comic slide show include Japanes Chick etc recommend
AGA021 MAGIC WORKBENCH Improve the look of your WB & add some function to your WB really BRILLANT
AGA022 WB 3 UTILITIES load of Wb 3 only utilities
AGA023 U-CHESS the best chess program games so far but require 4 megbytes. Brillant graphic
AGA024 WORKBENCH 3 SCREEN Great back drop
AGA041 ADULT SLIDE Vol 1-9 (2 disk each) *see below
AGA042 BODY SHOP VOL 1-7 (2 disk each) *see below
AGA80 FITCHICK vol 1-3(2disk each) *see below
To order any disk above just state disk code & volume no? (remember 2 disk per volume)

AGA234 KNOTTY-Stunning AGA sliding pictre puzzles
AGA240 LOTTERY WINNER hope fully will improve your chance of winning a jack pot..GOOD-LUCK
AGA241-258 AGA GAME-GALORE AGA 01-18 lot of games
AGA251 PACKMAN AGA -the best packman yet
AGA252 ROCKET PD - Super thrust clone brillant graphic for 1 or 2 player
AGA253 REAL DEMO stunning special effetc
AGA254 DIRT AGA Brillant 256 colour effetc.
AGA255 DELIGHT EXPLORE excllent demo
AGA256 KEFEREN AGA Demo lot of effetc
AGA257 MINOMIST RAVE great rave music.
AGA258 OXYGENE Fantastic demo
AGA259 INTEL-OUT another very good demo
AGA260 SOMEJUSTIC94 Demo of the month brillant whirl effetc. RECOMMEND
AGA262 TO THE DEATH very good STREET-FIGHTER clone with very good graphic.
AGA263 GEORGE GALAXO (2disk) brillant multilevel shoot/platform game. RECOMMEDN
AGA265 MISSILE OVER ZENON (2disk) Brillant 3D missile commander with fantastic graphic
AGA266 TEAM-HOI DINO PLATFORM excellent dino platform Note:this disk was a commercial games
AGA274 MUSIC 2 SURVIVE 2disk 8 excellent music master piece, well worth getting
AGA271 RAVE MAXIMUM OVERDRIVE II (2disk)
AGA278 CHANNEL Z ISSUE 1 (AGA) (2disk)
AGA base disk magazines. RECOMMEND
AGA disk magazine topic.demo/music
AGA285 WORKBENCH BACKDROP VOL 3
AGA295 DE-LUXE MONOPOLY- Board game.V addicted
AGA296 DONKEY KONG Arcade classic conversion
AGA297 BOMB PAC Extreamly good to play
AGA298 ROCKET 2 set deep underground brillant graphic. even better with 2 player
AGA299 SCRABBLE-Now fully run on all Amiga
AGA300 MAGIC WB V2. Demo of version 2
AGA302 TUTANKHAM II(2) Education-Egyptian MUMMY
AGA303 PAMLA.ANDERSON.(2) 18+ only BayWatch Babe
AGA304 BODYSHOP V8 (3) more bikini beauties
AGA305 TIMEZONE (2) V.Good graphic adventures.
AGA307 DENTAWOLF dooms demo
AGA308 NN-NS- Really show what AGA graphic co do
AGA310 FEARS (2d)- dooms clone demo
AGA312 JINX (2d) Fantastic arcade puzzle
AGA313 RAM JAM THE TASTE DEMO.very wicket demo.
AGA315 ILEX MYSTIC. New AGA demos
AGA320 KLONDIKE 3 (4disk) Hd require & 2meg +we aslo have a list of 25 cards for above.
AGA321 HOT-BABE 1 (2) MUST BE OVER
AGA322 HOT-BABE 2 (2) 18
AGA323 HOT-BABE 3 (2) BEFORE
AGA324 HOT-BABE 4 (2) ORDER ANY
AGA325 HOT-BABE 5 (2) OF THE HOT-BABE PACK
Hundred of quality Magic wb icons & back drop
AGA388 DESK-TOP MAGIC- 32 animated screen blanker
AGA389 WAR OF THE WORLDS -full 3D games
AGA390 FEAR 2, Brillant 3D graphic games like
AGA391 PSSST Amiga version of Spectrum games
AGA392 CHILD MURDER(4)Horror graphic adventure
AGA390 FEAR II -Brillant 3D game play just like DOOM on the PC Garrenteed you impress.
AGA393 PC EMULATOR V3- Latest PC emulator
AGA400 HYPER RACE (2) Super racing games
AGA410 CINDY CLAWFORD (3) new
AGA411 ELLE MACPHERSON (3)
AGA412 CLAUDIA SCHIFFER (3)
AGA413 BIG GIRLS II (3)
AGA414 GIRLS GIRLS (2)
AGA415 NIKY TAYLOR (2)
AGA417 KYLIE MINOUGE (3)
AGA418 FEMALE BODY BUILDER (3)
AGA419 EXCELLENT CARD GAMES 3 latest
AGA420 POKER & BLACK JACK DELUXE (3)4MEG
AGA421 COLOUR WB make your WB more colourful
AGA422 RIDGE RACER Demo on the Amiga,
AGA423 DRUG STORE DEMOS (2disk)
AGA424 DREAM WALKER (2) Demos
AGA425 MYSTIC DEMOS(2) 95 excellent demos
AGA426 ORIGIN 2 (2 DISK), Amazing

SEE PAGE 1 FOR MORE SOFTWARE FOR YOUR AMIGA

DEGRADER

AGA090 A1200 FIX DISK COLLETCION 1
AGA091 A1200 FIX DISK 2 COLLETCION 2
AGA094 RELOCKIT V1.4a latest. run A500 SOFTWARE
AGA306 A1200 FIX DISK VOL 3 (new july 95)
All disk above are design to make any old A500-A600 Amiga programs/games etc to run on your A1200/A4000
MUST FOR ALL AGA AMIGA OWNER. RECOMMEND

AGA097 A1200 UTIL - AGA TESTER, SYSINFO etc
AGA095 ACTION REPLAY V4 Complete ACTION REPLAY.
AGA099 MADFIGHTER 2 brillant street fighter clone
AGA100 AGA BLITZ SCREEN BLANKER
AGA101 FAST GIFF 2 display GIFF pic In Workbench.
AGA102 AGA DIAGNOSTIC - NEW system tester
AGA103 BLACK BOARD AGA decent Image processor
AGA105 QUICK GRAB AGA -grab AGA screen PICTURE
AGA110 WORLD BEYOND 1 (3) stunning 256 COLOUR fantasy art. leave atari userbreathless
AGA114 SMELL LIKE CHANEL NO5 brillant demo
My trace picture ever release on the A1200
AGA121 MAGIC FACTORY 1 STAR TREK (5 disk)
AGA133 AGA UTIL v1&2 (2) AGA util compilation
AGA135 AGA UTIL V3 &4 (2) more of above
AGA137 MULTIBOOT- 4 various version A500 EMU
AGA138 OFFICIAL WORKBENCH 3 HARDDRIVE INSTALLER
AGA139 WB3 HARDDISK PREF & INSTALLER installing
AGA140 CROSS DOS PLUS v5.1 read/write PC files
AGA142 SUPER LEAGUE 3 -latest manager games
AGA144 SPEAK & SPELL - educational software for kid
AGA145 BIG TOPS (18 + only)HMMmm
AGA146 KELOG LAND -brillant platform games
AGA150 ACTION REPLAY V5 - NEW UP DATE TO V4
AGA160 GIGER TRIZ very playable 256 colour tetriz
AGA162 FATAL-BLOW new STREET-FIGHTER 2 clone
AGA164 CINDY CRAWFORD Vol1 (2 disk) latest release
AGA166 INFESTATION (3 disk) The ultimated AGA demo
AGA170 CINDY CRAWFORD Vol II (2disk) amazing
AGA172 VIDEO TRACKER AGA-ultimate demo maker
AGA174 MAGIC WB EXTRA vol 1 & 2 (2disk)
AGA180 GIF BEAUTIES Vol (11-18) 8 more girls disk
AGA189 FRIDAY AT 8 another brillant AGA demos
AGA190 ASSASIN MULTIVISION AGA pic viewing util
AGA192 ALIEN FRENZE 2 player blasting +power up
AGA194 BIG TIME SENSUAL (2disk) SPACE BALL 2
AGA200 MASQUERADE 2disk brillant puzzle games.
AGA202 RAM JAM 94 it cat be done (2disk)
AGA203 EXPLIXIT 2 DEMO new effetc welldone.
AGA204 COMPLEX ORIGIN 2disk require 2 diskdrive
AGA206 TREASURE OF TUTANKHAMUN- eductaion tool
AGA230 LOVE 2 disk-simply brillant DEMOS
AGA231 AGA UTIL 7 & 8 (2 disk) .More USEFUL util

HARDWARE AT UNBEATABLE PRICES

A600 MEMORY

Half Meg upgrade
RRP ~~£24.99~~
now only £10.99
Easy installation full manual included

Zappo External disk drive Only £39.99 (free P&P)

Smart Stor ...20Mb ...£39.99
Smart Stor ...30Mb ...£49.99

Smart Star is an external Hard drive which plugs in to the PCMCIA slot in your A600 or A1200, full work bench installation (please state Amiga owned so we can install the correct WB for your Amiga ready to use.) Order before Christmas and we will include 10Mb of the very latest PD from the Aminet...FREE.
Full portability... install remove only take seconds. Highly recommended.

Supplied complete & ready to use (for A600 & A1200) only

Multi-Start II (Rom Switch)

Switch between version of Kickstart on your Amiga with ease, hugely improved software compatibility with the A500 1.3 (just like owning 2 Amiga models in 1). This is the very latest version II. Fitting is very simple, full step by step installation manual is included. No soldering required.

Complete with romswitch boards, all ribbons & cables, manual and the wB 1.3 rom (brand new & boxed)

RRP ~~£34.99~~
Now only **£15.99**

SOFTWARE 2000 DOUBLE CD CONTAINS

OVER 1965 DISKS

This is the Big one! Nearly 2000 original disks from the SOFTWARE 2000 library included on a Double CD set. For title list just take a look at this Doubles advert for examle of titles & packs which can be found on this CD. No lucky dip or unknown software. Full description on every disks/titles. Very easy to use menu system on both CDs. This unique menu system lets you explore the contents of both CDs without disc swapping...Excellent. See below.

EXAMPLE OF DISKS CAN BE FOUND ON THE DOUBLE CD SET

294 – VARIOUS UTILITIES DISKS
252 – ANIMATION DISK
181 – AGA DISKS
92 – TOP SAMPLE AND FX DISKS
118 – EDUCATION DISK
133 – DEMOS
225 – MUSIC DISKS
18+ – DEMOS (Adults only)

402 + VARIOUS GAMES DISKS – with an estimate of around 1000 + Amiga games
50 LATEST DISKS OF MAGIC WB `7 BACKDROP. Version for all Amigas also includes
100s of IMAGINE OBJ, 600s AMIGA FONTS, 100s QUALITY B&W & COLOUR CLIP ART, & MUCH TOO MANY TO LIST...

ALSO INCLUDED ON CDs ARE

OVER 1000 NEW Spectrum Games (Play direct from CD)
& lots never been released on any CD Rom
AROUND 700 -1000 NEW C64 Games files (EMULATOR INCLUDED)

SPRINT A RELEASE 1 OCTOBER 95 AVAILABLE NOW

- Over 600Mb per CD
- Menu compatible with all Amigas
- No duplicate of data
- Very easy to use Menu

2 CD SET VOLUME 1

RRP ~~£34.99~~ NEW PRICE **ONLY £29.99** + 70p for P&P

LOTTERY WINNER

EXCELLENT COLLECTION OF VARIOUS LOTTERY WINNER PREDICTION PROGRAMS

HIGHLY RECOMMENDED pack only £4.99

UFO THE CLOSE ENCLUNTER

100s & 100s of real life document of UFO sightings kidnapping & Animal mutilation & many more. Very interesting read. 6 Disk set only £5.99

UFO – ALIENS MULTIMEDIA

100s of documented cases on UFO sightings, abduction, cattle mutilation & many more. Many with photos to back up the claim, some are so secret only released recently by law.

9 disk pack only £8.99

BUSINESS SOFTWARE

U007 TEXT PLUS 2.2e easy to used word processor
U023 BANKPRO Home account program
U088 LABEL DESIGNER design your own labels
U087 CALV 1.2 Excellent Database prog. RECOMMENDED
U144 DESKTOP PUBLISHING The best PD DTP available
U128 BUSINESS CARD MAKER (not A1200) brillant
U168 600 ADDRESS LETTER very handy, Get it now
U811 BUSINESS CARD MAKER - can Print in color
U165 DATA BASE WORKSHOP (2) brillant PACK
U131 SPREAD SHEET Very easy to used spreadsheet
U167 QUICK BASE Very powerful Database. Easy to use
U112 RIM DATABASE powerful database + full DOC
U105 AMIBASE - Professional 3 The best database yet
U227 TEXTRA Can edit serval document at once
U156 FLEXI BASE Small easy to operate database
U256 PENNY WISE Very powerful database.
U207 VIRTUAL Great database lots of fuctions
U356 TEXT ENGINE V3.4 - full feature wordprocessor
U191 UTILITIES OFFICE - database/wordprocessor/spreadsheet
U349 HOME BUSINESS JOURNAL - Easy to use database
U357 BON APPETIT DATABASE many recipes
U364 HOME ACCOUNT-Account program
U365 ADDRESS BASE very powerful prog. Excellent
U369 JOURNAL full feature account program
U390 LOCATION - Database & world map.
U393 DATA BASE compilation - best seller to date
U398 MORTAGE CALC calculate mortgage repayment rate etc
U426 MONEY PROGRAM very good account program
U427 ACCOUNT MASTER V2.1 new account program
U520 HOUSE INVENTORY - ideal for home insurance
U559 ADDRESS PRINT V2.1 Store & print addresses
U567 TEXT-PLUS V 4.0 pro requires HD & 2meg
U641 TEXT ENGINES V4.1 latest 36,000 word Spellchecker.
U688 INVENTORY 2 details of home contents, for insurance
U710 EDITORIAL PRO PROFESSIONAL truly the best wordprocessor
U722 EASYCAL + massive spreadsheet max 92563 cells
U796 PAY ADVICE V2 - Money prog.
U802 ADDRESS PRINTING print addresses on labels
U808 PAY ADVICE V3 account program
U810 LABLE MAKER-Print labels etc. New
U830 THE TREASURER - Account
U991 LOANS ACCOUNT
U944 UNIFORM One of the best Invoice makers
U939 ACCOUNT MASTER v2.2 (latest) programs up to 1000 entries per account

18 DEMOS

MUST BE 18 AND OVER

X80 CINDY CRAWFORD (2)
X74 MADONNA (SEX) (3)
X01 SHOWER GIRL
X03 BODY TALK (2)
X09 MARIE WHITTAKER
X24 SABRINA SPECIAL
X25 DIE FILKINGCER
X26 MADONNA EARLY DAYS
X28 KATHY LLOYD
X30 MEGA-MAID
X31 CALENDAR GIRL
X32 MAYFAIR
X33 UTOPIA (4 DISKS)
X45 GIRLS OF SPORT
X49 PAGE 3 GIRLS
X70 GOON GIRL
X71 TINA SMALL
X91 CINDY CALENDAR '95
X96 HOT BABE 1
X97 HOT BABE 2
X98 HOT BABE 3
X99 HOT BABE 4
X100 HOT BABE 5
X101 BIG GIRL
X102 FEMALE BODY BUILDER
X103 GIRLS GIRLS
X105 ELLE MACPHERSON
X106 CLAUDIA SCHIFFER

NEW-MAGIC WB

(IMPROVE YOUR WORKBENCH BY 500%)

This new version of Magic WB is fully compatible with any Amiga, even the very basic Amiga can now run Magic WB

U995 Magic WB 1.3 .....For any Amiga (WB 1.3-3.0)
AGA021 Magic WB AGA .....Special A1200 & 4000

EXTRA FOR USE WITH ABOVE

***MAGIC WB EXTRA* vol 1-12 (2 Disks per volume)**

TO ORDER ANY MAGIC WB EXTRA JUST WRITE MAGIC WB EXTRA & VOL REQUIRED

BACK DROP FOR USE WITH ABOVE

Each disk pack with dozens of quality back drop for use with Magic WB

VARIOUS B–D 1 (4 D)
VARIOUS B–D 2 (2 D)
MANGA B–D 2 (2 D)
SEXY BACK DROP (1 D)
NEW AMIGA LOGO (1 D)
MAGIC SCENERY (2 D)
GLAMOUR FACE (2)

SPECIAL OFFER
Magic WB pack
Magic WB Vol 1-6
Total (12)...only £7
Magic WB Vol 7-12
Total (12)...only £8

Each pack above when unpacked will fill 12 disk full of Magic WB. Just like above retails at £1.99 per volume.
*****VERY EASY TO UNPACK*****

CARD GAMES PACK II

FOR ALL CARD GAME FANS
If you like Poker, Black Jack, Spade, Pontoon, Solitaire, Bridge, Klondike etc, then this pack is a must

Only £4.99

This pack contains 5 disks

LITTLE OFFICE 2

New Release includes
Word Processor
Calendar
Name & Address Database

All this for only £1.99

COMPATIBLE WITH ALL AMIGAS

HARD DRIVE & DISK DRIVE

Space Doubler

Epu V1.6 this doubles the size of your HD or Disk Drive storage capacity. Recommended.

U971 EPU V1.6 ONLY 99p

SUITABLE FOR WB2/3

MANGA AKIRA

Brillant pack of 6 disks containing some of the best MANGA AKIRA Games, Animations, Slideshows, Demos. All based on the Japanese MANGA.

6 disks only £5.99. Run on all AMIGAS

HARDWARE PROJECT III

Build dozens of projects including an accelerator for an A500 for less than £15. Install 3.5" HD in your A600 & A1200. Put your A500/A600/A1200 in a towercase for less than £30. Use 1.44 PC disk drive on your Amiga. Add a Pocket Modem to your Amiga & this could save you £££ (not for the beginner) .....3 disk pack only £5

PLEASE ORDER A DISK CATALOGUE ADD 70P OR 3 X FIRST CLASS STAMPS WITH ORDER

Choose your fantastic

When you subscribe to Amiga Computing

K240

FREE!

Save over £29.99

Gremlin's outer space strategy game gives you control over a whole galaxy of mining planets, where you can create and destroy worlds at the touch of a button.

UFO

Only £3

Save over £30

Microprose's huge strategy game, UFO, puts you in the hot seat as the world comes under attack by an alien invasion.

● Add £3 to the price of subscription.

Amiga Next Steps & A1200 Insider Guide books

FREE!

Save over £29

A special two-book package including the essential Next Steps guide for all users who have mastered the basics, plus the definitive guide to Workbench and AmigaDOS on the A1200, packed with expert tutorials.

Heimdall II

FREE!

Save over £34.99

The follow-up to the classic Viking adventure from Core Design takes you again into Nordic landscape in this arcade adventure and can be yours, absolutely free, when you subscribe.

FREE!

Two extra issues PLUS a smart *Amiga Computing* magazine binder!

Save £15.93

FREE gift now!

Save over 13% on the cover price

Subscribing to Amiga Computing is the only way to ensure

FREE delivery straight to your door
PROTECTION against future price increases
GUARANTEED delivery every month
INVALUABLE Amiga Guide each month
FREE gift or special offer

SUBSCRIPTION HOTLINE for card orders
Tel: 0151-357 1275 **Fax:** 0151-357 2813
Email: database@dbdirect.demon.co.uk

The Easy Way To Pay

Subscribing is made even easier by continuous quarterly direct debit. Not only can you forget about your subscription ever lapsing and the thought of missing an issue, but you can spread your payments to avoid paying out a lump sum

Amiga Computing priority subscription form

● **I would like the following yearly subscription:**

New	Renewal		
☐ 9686	☐ 9687	UK	£44.99
☐ 9688	☐ 9689	EU	£69.99
☐ 9690	☐ 9691	World	£84.99
☐	☐	Canada/USA *	$98

● **I would like a UK quarterly direct debit ongoing** ☐

Quarterly Direct Debit Instruction

AUTHORITY TO YOUR BANK/BUILDING SOCIETY TO PAY DIRECT DEBITS

Name of bank/building society .....
.....
Address .....
.....
.....
.....Postcode.....
Name of account .....
Your account no. ☐☐☐☐☐☐☐☐
Sort code ☐☐ ☐☐ ☐☐
Signature(s).....
Date.....

FOR OFFICE USE ONLY
Originator's Identification No. 8 5 1 4 1 2
Ref No. .....

Your instructions to the bank/building society:

I instruct you to pay Direct Debits from my account at the request of IDG Media. The amounts are variable and may be debited on various dates.
No acknowledgement required.
I understand that IDG Media may change the amounts and dates only after giving me prior notice.
I will inform the bank/building society in writing if I wish to cancel this instruction.
I understand that if any Direct Debit is paid which breaks the terms of the instruction, the bank/ building society will make a refund.

Bank/building society may decline to accept instructions to pay Direct Debit from some types of accounts.

● **I wish to pay by:**

☐ Cheque/Eurocheque/Postal Order payable to IDG Media
☐ Credit Card (Visa/Access/Barclaycard/Mastercard/Eurocard/Connect) Expiry Date /
Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

● ***Tick which free gift/special offer you want (not available to world subscribers)***

9576 ☐ Two free issues and a magazine binder
9596 ☐ K240
9598 ☐ Amiga Next Steps & Amiga 1200 Insider Guide Books
9600 ☐ Heimdall II
9597 ☐ UFO *(Add £3 to the cost of your subscription)*

If you are paying by direct debit please pay additional amounts by cheque or credit card.

* *Canada & USA subscribers send to: Europress (North America), Unit 14, Bysham Drive, Woodstock, Ontario, NT4 1P1, Canada. Tel: 519-539-0200, Fax: 519-539-9725*

❑ *Tick this box if you do not wish to receive promotional material from other companies*

● Deliver my magazine to:

Name (Mr/Mrs/Miss/Ms) _____
Address _____
_____
_____
Postcode _____ Daytime phone no _____

Send this form to: ***Database Direct, FREEPOST, South Wirral L65 3EB. (No stamp needed if posted in UK.)***
Your subscription will commence from the earliest possible issue

MAKES YOUR AMIGA MORE THAN
2 TIMES FASTER - 2.88 MIPS

PRICES FROM £59.99

2 YEAR WARRANTY | MONEY BACK GUARANTEE | FREE UK DELIVERY

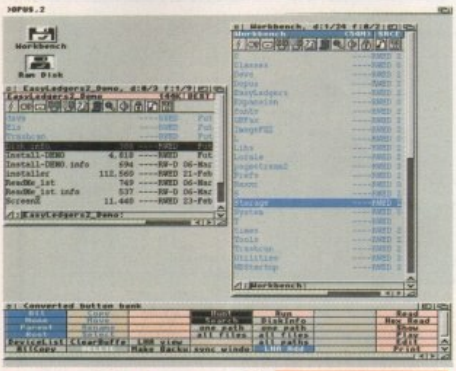
MAGNUM RAM8
A1200 8MB RAM ACCELERATOR

- Available with 0, 2, 4, 8MB of 32-bit RAM installed
- Uses Standard 72-pin Simms
- Optional PLCC Type FPU (Floating Point Unit)
- Battery Backed Clock/Calender
- Installs in Minutes
- 0-4MB - PCMCIA compatible (for use with Overdrive, Squirrel etc.)
- Zero Waite State Design
- 2 Year Warranty

	No FPU	33MHz FPU
0MB	£59.99	£99.99
2MB	£119.99	£159.99
4MB	£179.99	£219.99
8MB	£299.99	£339.99

33MHz FPU

An FPU dramatically increases the speed of mathematical calculations (by up to 127 times) and we would recommend it for users of graphical applications such as Image FX, Lightwave, Vista Pro, Imagine etc. Our FPU pack comes with the timing crystal and is compatible with most A1200 RAM/Processor Accelerators such as our Apollo/Magnum design, Hawk, Blizzard and Viper. If bought independent of our board the price is £44.99



DIRECTORY OPUS 5
Advanced File Management Software for all Amigas

Over the past 6 years, Directory Opus has become established as the most popular directory utility on the Amiga. With the new Opus 5, the tradition continues. Smaller, faster and more efficient than ever before, Opus 5 harnesses the power of object orientated multitasking design like never before. Put simply, Opus 5 is now the most powerful hard drive and file management utility ever!

- Redesigned and rewritten from ground up. Much faster more efficient and many new revolutionary features.
- New Interface with more meaningful control and useful power. Amiga Style Guide compliant ensures clearer communication of information and greater control.
- Unlimited number of fully independent file display windows and button banks. Buttons can be defined from text or graphics.
- Multiple configuration editors - which can be used whilst performing other tasks!
- Internal Multitasking allowing you to perform multiple operations simultaneously.
- AmigaGuide On-Line Help
- Advanced file type recognition system including OS2 Datatype Support
- Extensive 'Drag 'n' Drop' throughout the program
- Advanced ARexx support
- Can even Replace & Enhance Workbench!

2 YEAR WARRANTY | FREE UK DELIVERY | VERSION 5.11 NOW SHIPPING CALL ABOUT UPDATES FROM 5.0 AND 4.

AMIGA GOLD FORMAT

£49.99
Workbench 2+ & Hard Disk Required

SATURN
External 1Mb Floppy Drive for all Amigas

- Compatible with ALL Amigas
- High Quality SONY Drive
- Robust Metal Case
- Anti-Click as Standard
- Enable/Disable Switch
- Low Power Consumption
- Thru Port for Extra Drives
- 2 Year Warranty

FREE UK DELIVERY | 2 YEAR WARRANTY | MONEY BACK GUARANTEE

£49.99

TORNADO & X-LINK
High Speed BT Approved Modems for all Amigas

PRICES FROM £99.99

BT APPROVED

Both Modems have the following Specification

- 14.4k or 28.8k Speeds v34 (28.8k), v32bis, v32, v23, v22, v22bis, v21
- Cable & Software Supplied (If-Comm for Amiga)
- Automatic Fallback & Forward for Optimum Line Performance
- GP Fax Software Option Send and Receive faxes from your Amiga
- BABT/BT Approved Legally required for use on a BT line
- MNP 2-5 & v42, v42bis
- Sync & Async Operation
- Group 1-3 Fax to 14.4k
- Fully Hayes Compatible
- LED Front Panel Display
- 2 Year Warranty

2 YEAR WARRANTY | MONEY BACK GUARANTEE | FREE UK DELIVERY

	Modem Only	Modem + GP Fax
TORNADO 14.4k	£99.99	£139.99
X-LINK 14.4k	£129.99	£169.99
TORNADO 28.8k	£199.99	£239.99
X-LINK 28.8k	£229.99	£269.99

ENTERPRISE
DeskTop Workstations for all Amigas

Available in 3 sizes

Single Workstation for A500/600/1200 £29.99

Double Workstation for A500/600/1200 Plus Extra Shelf £34.99

Wide Workstation Wide unit for A500/600/1200 with Additional Side Peripherals (Hard Disk or Floppy Drive) £34.99

2 Year Warranty

2 YEAR WARRANTY | MONEY BACK GUARANTEE | FREE UK DELIVERY

560 DPI 3 BUTTON MICE & MATS

for all Amigas & Atari STs

BEIGE £12.99

BLACK £14.99

MOUSE MAT £2.99 OR £1 IF BOUGHT WITH A MOUSE

2 YEAR WARRANTY

MONEY BACK GUARANTEE

FREE UK DELIVERY

NEW!

- Ultra Smooth 560dpi
- Amiga/Atari ST Switchable
- All 3 Buttons can be used on many programs such a Opus 5
- Micro Switched Buttons
- 2 Year Warranty

EASY LEDGERS 2

FREE UK DELIVERY

Intergrated Accounting Software for all Amigas

AMIGA GOLD SOFTMAIL

A new generation of Professional Accounting software for the Amiga. EasyLedger 2 has several key areas as follows.

Ledger - *General Ledger with optional account numbers. Post receipts, payments and journal entries. Reports include journals, audit trail, trial balance & account histories. Cashbook, Profit & Loss Statement, Balance Sheet & Company Performance Ratios. Password to maintain privacy.*

Sales - *Use open item or balance forward methods. Invoice printing with automatic pricing, VAT calculation, discounts & totalling, manual overrides. Enter hand-written invoices, credits, receipts & journal adjustments. Produces statements, address labels, sales analysis, aged balance lists, etc. Fully integrated with Ledger & Inventory.*

Purchase - *Use open item balance forward accounting methods. Enter supplier invoices, credits, payments & journal adjustments. Produces remittances, address labels, aged balance lists, transaction histories, etc. Fully integrated with Ledger & Inventory.*

Inventory - *Stock Control & Price Book. Handles three price scales with auto price changing. Entry of stocktake results & goods in/out movements. Full integration with other books. Reports include price lists, re-ordering report, sales & valuation, movement history, etc.*

Job Costing - *For Estimating & Quotation. Suites a wide range of invoicing needs for service industries. Invoice the charges on a 'job card', Allows 32 staff at different charging rates. Transfers goods directly from Inventory & fully integrated with Creditor and Ledger.*

FOR A LIMITED PERIOD YOU CAN BUY EASY LEDGERS 2 AT THIS NEW LOW PRICE (was £199.99) ON A 28 DAY TRIAL PERIOD - CALL FOR MORE DETAILS

£119.99

2Mb RAM & Hard Disk Required

2 YEAR WARRANTY

£19.99

FREE UK DELIVERY

MONEY BACK GUARANTEE

NEW!

SOCCER MOUSE

for all Amigas

FOR ALL YOU FOOTBALL FANS, THIS IS THE IDEAL MOUSE FOR YOU!

- High Resolution 400dpi
- Micro Switched Buttons
- 2 Year Warranty

IMAGE FX 2.1

The Complete Image Processing Solution for all Amigas

No other image processing package on the Amiga gives you everything you need, from precise colour correction tools to fantastic special effects that boggle the mind! Whether you are a print artist or a video magician, ImageFX is simply the fastest, the best, and the most complete image processing solution you will find on the Amiga.

FREE UK DELIVERY

System Performance

The easiest to use and most powerful interface, thumbnail image loader lets you see your image before loading it, built in Virtual Memory allows work on images nearly any size, unlimited multi-level true UNDO, thumbnail image previewing shows effect before using it, multiple image buffers and brushes, precise region controls can restrict work to just part of an image, unequalled Arexx support for macros and programming, user definable macro keys and menus, built in Macro/Arexx script recording, two powerful batch processing systems: IMP and AutoFX & visual thumbnail image cataloguing system.

AMIGA GOLD SOFTMAIL

£149.99

2Mb RAM & Hard Disk Required

GP FAX

Fax Software Solution for all Amigas with a Modem

SEND & RECEIVE FAXES FROM YOUR AMIGA VIA YOUR MODEM. YOU CAN EVEN PRINT FROM YOU FAVOURITE APPLICATION TO YOUR FAX DEVICE! AMIGA COMPUTING - 9/10

FREE UK DELIVERY

AMIGA GOLD SOFTMAIL

£44.99

Fax Compatible Modem Required

ALSO AVAILABLE

10 Disks - 2S/2D, High Quality with Coloured Labels	£4.99
50 Disks - 2S/2D, High Quality with Coloured Labels	£19.99
A500 512k RAM Upgrade	£19.99
A500 Plus 1Mb RAM Upgrade	£29.99
A600 1Mb RAM Upgrade	£29.99

2 YEAR WARRANTY

FREE UK DELIVERY

MONEY BACK GUARANTEE

WIZARD DEVELOPMENTS

VISA Access SWITCH

CONTACT US ON INTERNET
SALES@WIZARD-D.DEMON.CO.UK

Prices include VAT & carriage to the UK mainland. Please add £5 to your order for EC destinations and £10 for other countries. All products are is subject to availability. E&OE. Advertised prices & specification may change without notice.

ORDER HOTLINE

01322-272908

BETWEEN 9AM AND 6PM, MONDAY TO FRIDAY, TO PAY BY CREDIT CARD. TO PAY BY CHEQUE OR POSTAL ORDER PLEASE RETURN THE ORDER FORM BELOW TO -

WIZARD DEVELOPMENTS, PO BOX 490, DARTFORD, KENT, DA1 2UH

Order Item	*Price*

Name _____

Address _____

_____

Post Code _____ *Phone No.* _____

CHEQUES SHOULD BE MADE PAYABLE TO WIZARD DEVELOPMENTS.

The UK's leading LightWave and Alpha experts

Imagine what you could do with...

Best Prices Best Service guaranteed

...Newtek LightWave 3D v.4
(the new manuals are excellent)
The definitive 3D rendering and animation software package.
As used in Babylon 5, Grim, Sea Quest DSV, Star Trek TNG, Star Trek Voyager, Golden Eye.

Desktop Images Videos
Ron Thornton's new tapes and Modeler 1, Modeler 2, Camera and lighting techniques, Displacement mapping, morphing and bones, Surfaces and textures.

We also handle direct from manufacturers the Draco and all Macro System products.

Raptor 3
We are the official distributor of Deskstation products in the UK.

Anim Workshop £25
Pixel 3D2 was £199 now £60.

We also supply for the UK, Ssnapmaps, Building Objects, Humanoid, Sparks, WaveMaker, Impact & many more.

DPS Personal Animation Recorder
Broadcast Quality Video System.

Perception/Speedrazor
Broadcast non-linear video editing system.

Warthogs/Raptor 3
275MHz (Alpha 21064A chip)
266MHz, 300MHz & 333MHz
(Alpha 21164 chip)

Exclusive Alpha LightWave Distributor

Direct from Manufacturer The New Cyberstorm 060

PREMIER VISION
PUTTING MULTIMEDIA TO WORK

We sell the tools to fire your imagination.

Loads of new add-ons for LightWave - Phone for latest details

Newtek's Training Centre

Sales and credit card hotline
0171 721 7050

SYSTEM

Reviewed

Coala

Helicopter adventures are here courtesy of Empire. Are you brave enough?

Citadel

We investigate yet another Doom-style game and weigh up the best of the rest

Pinball Mania

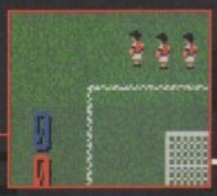
The one that made it into the Amiga Magic Pack. System take a look at 21st Century's latest

Thomas the Tank Engine's Pinball

Another pinballer, but this time aimed at the younger end of the market

Leading Lap

Andy Maddock is bowled over by this latest 3D race'-em-up from Kellion



Team

We take a look at this sub-standard football sim which aims to be the next SWOS – and fails

Previewed

Zeewolf 2

The eagerly-awaited sequel to Zeewolf is nearly ready. We take a sneak preview

By Andy Maddock

Ooh! I'm knackered

Now, before you start yawning, please don't. I'm just as sick of all these Doom clones appearing on the Amiga as you are. When one comes out, another supersedes it. What are you supposed to do? Well, I suggest you keep one eye on the market and one eye on these very pages for news of a brand new clone.

It's being developed by an Italian company by the name of Fields of Vision. Breathless is its name, and impressiveness is undoubtedly its game. It will feature 256 colours, variable textured windows, floors, walls and doors, plus a 'bouncing movement' which allows you to jump up and down to platforms you otherwise wouldn't reach. There will also be a fog lighting effect which will probably have a similar effect to that of Hexen on the PC. It's looking like being the ultimate Doom clone, shutting the door straight in the face of Fears, Gloom and Alien Breed 3D. Personally, I'm holding my breath! Hoo.

The title screen sums up just how many hours have actually gone into developing the ultimate Doom clone

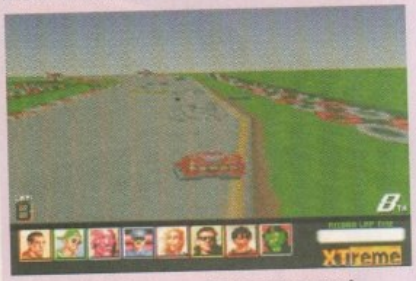
As you can see from the detail of the sky, Breathless is going to be the best Doom clone in terms of graphics

Extreme-ly leisure-ly

Guildhall Leisure are back following their successes with Gloom and Fears with a 3D, Mario Kart-like Amiga racing game to feature one to eight players, four on a single machine and links via a serial plus or a modem link. There will be eight different cars to choose from including a Ferrari, Police, and VW Beetle, and will feature many different cars to race against and lots of tracks to race around, including a water world and a radioactive world, as well as normal roads.

There is a battle mode included, and those who are familiar with Mario Kart on the SNES will know how much fun this is. It uses a four-player split screen, and although this seems like your view will be greatly reduced, it actually works very well. The graphics are small yet surprisingly well defined, and the tracks contain all sorts of twists and turns.

If you own an accelerator then you're going to be in for hours of fun because it races at a terrific speed. Altering the screen mode and size will change the speed and look of the game so you can race how you want to – there are no restrictions. Extreme Racing looks like a close version of Mario Kart, and if the gameplay can match, Guildhall will begin the year with an instant success. We'll hopefully have a deeper look next month. Meanwhile, have a look for yourself.



Guildhall Leisure could be onto a real winner if they can maintain the quality from their two previous releases

There are lots of different cars to choose from as well as lots of tracks to race around. It certainly doesn't lack content!

Suicide is painless

M*A*S*H is not to be confused with the rather bizarre American comedy series and Worms by Team 17. Although it may have the same idea, I don't want to be caught up with the who's idea it was, or who 'copied' who debate, because frankly, I don't care.

This game is another which, I think, surfed around the PD scene a while ago and is now set for a full commercial release. I'm a little worried about all these games being programmed from some guy's bedroom and being released at full price, because they may be quite adequate as a Public Domain release, but it's a very big step challenging the likes of Virgin, Time Warner, Empire, Team 17 and Ocean – you can't expect the games to be of outstanding quality.

Having said that, all programmers and developers have to start somewhere and Chris Gregan seems to have got himself started on the right foot with M*A*S*H. The best way I can describe it is a Worms/Lemmings-like game full of constant action with tanks and little spuds battling away. It will be available on mail order directly from Chris himself. Hopefully, we can squeeze in a full review next month to give you a low-down on how much this compares to Team 17's highly acclaimed, Worms.

Time Warner gets Sensible

You can see that one of the options is training which adds a new dimension to testing new players against your 'A' side

When Sensible Software announced they were going to bring their long standing relationship with the Amiga to an end, the world were captured in great scenes of sadness – nearly. Their leaving present to the Amiga faithful was none other than Sensible World of Soccer, and maybe the world didn't want another game – ever.

Shortly after the release of SWOS, and after riding high in the charts following millions of sales last year, it began to crumble. People became unhappy as minor complaints filtered through and more and more players were left disappointed with the bugged and crash-tastic SWOS.

After the complaints, Sensible Software came out for an encore to much surprise and offered a bug-free version for absolutely free. All the annoying features had been ironed out and, despite the extra disk, it managed to claw its way back to being the greatest ever football game on the Amiga.

Time Warner Interactive have decided to update SWOS further, adding small features that will undoubtedly inject some life back into it. We have already seen a preview version, and although the actual game part looks identical, there are subtle touches which, if you go back to your old version, you will not be able to live without.

Basically, all the teams are going to be re-vamped – new players, kits and managers – and you can also manage your A team who compete in the league and your B team, which contains all your up and coming youngsters and reserves whom you can call up at any time during the season. You can add aftertouch on ground passes, the international manager's position is now included, and there are animated crowds, a new rating system with stars and lots more.

The actual in-game bit looks identical apart from one thing – look where their hands are!

Although it may not sound much, it does make the game that little bit better. Even the display of players' names in the corner of the screen adds a little more excitement as you now know who you are controlling and which computer player has the ball. We'll bring you a full review, along with an in-depth look at all the special features to see if the best has just got better!

Building an Empire

After the success of Coala which has received a very healthy 90 per cent in this issue, Empire are going to try and further their success with a huge football compilation featuring some of the best football games ever released.

First up is FIFA International Soccer which is still remarkably popular, especially on the console formats. For those of you who don't know, it's the unusually isometric viewed game which looked mightily impressive and realistic.

Kick Off 3 – European Challenge also makes an appearance. This didn't continue the same gameplay and graphics as the first Kick Off series, which was a let-down, but after a few hours it became so absorbing, nobody could put it down.

On the Ball was probably one of the finest graphical football management games ever, combining a unique adventure-like interface with real football-like situations. These contributed efficiently enough to the industry to warrant a World Cup edition, which in turn superseded the league edition. The league edition contains all the Premier and First division data as well as all the features of training, sponsorship, press conferences and running commentary on the matches.

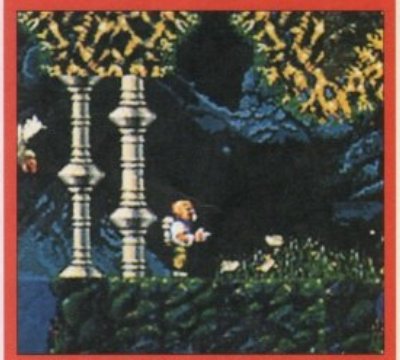
Finally, to finish the compilation off, Empire have selected one of the finest football management games ever, Premier Manager 3. This is the latest in the series from Gremlin, and needs no introduction whatsoever as it received 91 per cent right here in the pages of System.

Soccer Stars '96 will retail at £34.99, and for four excellent football games, that could well be one of the bargains of the year – already!

Soccer Stars '96 contains Premier Manager 3 which in my mind is the best football management gamer ever

Inhale... Exile

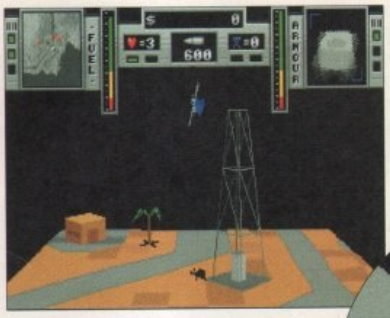
Audiogenic have been relatively active on the old gaming front, especially with releases like Odyssey, Graham Gooch's Cricket '95, and now a re-released version of the old classic Exile. I can remember this appearing quite a few years ago. It was like an in-space arcade adventure which began inside your own space ship, with you



pressing buttons and dropping grenades and basic space-type things. The game was fairly big with plenty of puzzles to solve, crews to rescue and monsters to battle against.

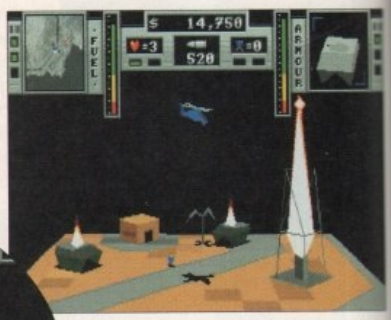
On the A500, it proved to be one of the most taxing and enjoyable games to be released. The new version for the A1200 and CD32 are about to arrive and will contain advanced graphics and sound, taking advantage of the AGA chipset. It will also be re-released on the A500, so if you've never played it before, it wouldn't be a waste of your time to check it out.

‘ by far the best addition has got to be **the new vehicles** which you can control, each having their own unique set of weapons ’



You will be able to blow up new styles of building which will add variety

The new scanner system will be implemented meaning that dead vehicles now disappear



A 3D perspective will work well with the style of game

Zeewolf 2

Previewed by Tina Hackett

Remember Zeewolf – we certainly do. It arrived in the office and we played it to death, giving it a well deserved score of 90%. Well, now it’s back, its sequel is anyway, and it boasts a whole host of new features and improvements on some of the criticisms levelled at the original.

Developed by Binary Asylum, Zeewolf 2 is both a helicopter shoot-’em-up and a simulator. Set over a huge 32 levels, you are set a number of missions to complete, which, incidentally, you can play in any order. They vary from Seek and Destroy where you must find a building, vehicle or person and err, shoot them, to the ‘nicer’ missions like Airlift, a fun addition where you must winch friendly units to and from the battle zones.

The story so far, for those of you who don’t know, is that Ecliptico, an evil corporation, have launched attacks on the planet in a bid to take over the world. The good guys, the Zenith corporation, are the only ones that stand between them and world domination. However, Zenith are armed only with a Zeewolf helicopter and some remote control battle-field craft.

The Ecliptico are better armed and Zenith have a tough job ahead of them...(dramatic music, roll camera...)

One thing the designers have considered this time is how to make the game settings more interesting. They have done this with four new landscapes which are European, Arctic, Desert and Toxic, and each has their own features and trees, etcetera which give you something a little different to fly over each time.

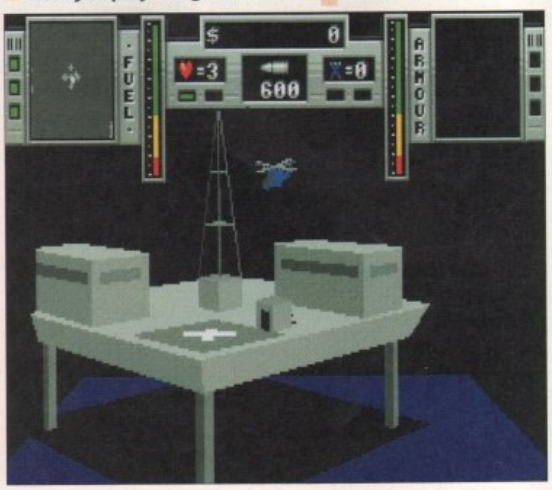
Buildings have also been improved with inclusions such as oil rigs, wellheads, and town halls. But by far the best addition has got to be the new vehicles which you can control, each having their own unique set of weapons. By remote control you will be able to take charge of a Patrol Boat, Battle Tank, VTOL fighter, and Transport helicopter, and according to the particular mission, they all allow for different tactics. The weapons vary from vehicle to vehicle too so, for example, the Patrol Boat has torpedoes and the battle tank has a heat-seeking shell.

The game has also been speeded up considerably and Binary Asylum reckon that the difference when playing the new version on an A500 compared directly with its predecessor will be obvious.

This version also implements the scanner, although they have made it so that dead vehicles now disappear from it and it can also be cancelled out by going too near the enemy’s radio tower.

A password system will also be incorporated and, rather than giving it out every four levels, it will be extensively playtested to find out when to give it on the later levels. If for example, a mission takes 40 minutes to complete, they will provide you with a password then – it’s good to see companies using their common sense over password systems for a change!

The 32 missions can be played at random giving you a great deal of freedom in how you play the game



Final word

The game should be available in December, will run on all Amigas, and be priced at £29.99. We’ll bring you a full review soon, but already it’s looking like being a fresh challenge for old veterans of the game as well as keeping it accessible for those who are new to it. We look forward...

Software Expressions

Established 1990

95p per disk

85p per disk for 25 or more

Introducing some of the best public domain & shareware software. These are high-quality freely distributable disks at a fraction of commercial prices

All disks are compatible for A500/A500+/A600/A1200, except (N) which indicates not compatible for 1200

EDUCATIONAL

(N.B. This includes some games)

E023....Electronic Train Set (1 meg)....Construct own train set
E033....Education 1....Learn German
E035....Education 3....Weather and climate
E079....Treasure Hunt....Great Kids game
E086....Wraitehed....Pub quiz style game
E088....Pair Crazy....Good puzzle game for kids
E180....GCSE Maths....Syllabus taught disk
E185....Astronomy....Calculates positions of planets
E193....Astronomy....A total concept disk
E234....Colour The Alphabet....Educational spelling game
E271....Dinosaurs....Quiz on Dinosaurs
E271....The Highway Code....All you need to know
E298....States of Europe....Information on this continent. Good
E299....Communicate....Learn how to use sign language
E311....The Internet....A guide to the Internet
E312....Learn French (not 1.3)....French verb tester
E315....Learn & Play 3 (not 1.3)....Education & Games
E331....Jigsaw (2 disks)....Match the Pieces into a Jigsaw
E339....Dunks DTP....Desktop publishing for kids
E350....Barney the bear (2 disks)....Learn & meet animals
E410....Birthday History....Gives details of events on your birthday. Good
E411....Wordplay....Lots of Countdown games
E413....Morsecode ((not 1.3)....Simple tutorial

BUSINESS SOFTWARE

B089....Journal....Accounts program
B136....Amibase Prof....Excellent database
B137....600 Business letters....Ready to print
B140....Text Engine....Excellent word processor
B153....File-a-fax....As it sounds
B154....QED....Beginners word processor
B175....Text plus VERSION 4....Excellent word processor
B232....Cheque Book Account....Keep tabs on your expenditure
B240....Little Office....Word Proccessor, Database & Spreadsheet
B323....Onform....Invoice maker
B330....Easycalc....Excellent spreadsheet
B400....Phone Locator....Codes for Britain

CREATIVE + GRAPHICS

C040....Fonts Galore (4 disks)....100's of fonts
C130....Label Designer....Various label printers
C197....Clip-art....Stars/Logos/Explosions etc.
C198....Clip-art....Valentines and weddings
C206....ABC Adventure Creator (N)....Create your own adventure games
C231....Audio Animation Studio....Create Cartoons
C236....Word Power....Solve crosswords & anagrams
C256....Print studio....Multi purpose printer utility
C258....Garden designer....Create your own garden excellent graphics
C263....League Database....Easy-to-use football editor
C331....Signature Creator....Customise your signature
C389....Turbocat (not 1.3)....Top quality cataloguer

MISCELLANEOUS UTILITIES

M210....Pools Pools Version 2....Work out your winnings
M213....500+ Emulator....Upgrader for the A500
M241....Winemaker....Database for wine lovers
M244....Lockpic V2.0....Uncover copy facilities
M259....Easy Spell....Spell checker/helper
M262....Essential Virus Killers....Kills all the latest viruses
M299....Tee to Green....Excellent golf-scorer
M310....Personality Analysis....Type in answers to assess yourself
M311....Cop the Lot Pro....Updated lottery helper
M332....Virus Checker V6.5....New updated killer
M333....Disk Repair Kit....Salvages damaged disks
M391....Car Data Analyst....Check your car parts!!

DEMOS + RAVE

D075....Girls of sport....Pretty shots of talented girls
D106....Madonna....Pictures and music
D166....Star Trek Animations....Anims. of USS Enterprise
D177....Star Trek Animations....Agatron no.17 More like above. Good
D287....Calendar Girls....Slideshow
D312....Rave Vision....Rave music & Graphics
D313....Techno Warrior....Rave dukebox
D314....Nine Fingers (2 disks)....Good. Sequel to State of Art

ADVENTURE GAMES

Ad005....All New Star Trek (2 drives, 2 disks)....USS Enterprise classic. Best one
Ad007....American Star Trek (2 drives, 2 disks) (N)....Graphic adventure
Ad019....Dungeon Delver (2 disks)....Difficult adventure quest
Ad065....Pixie Kingdom (2 disks)....Tricky adventure game. Good
Ad222....Neighbours Adventure....(2 discs) Bring Paul Robinson to court
Ad245....Iron Clads (2 disks)....Graphic adventure
Ad326....Wibble World Giddy....Really good platform game
Ad421....Glassback II....Very good platform game
Ad500....The Devils Abode....3D Horror Adventure

ARCADE + PLATFORM

A010....Breakout....Classic bat & ball game
A011....Blizzard....Horizontal shoot-'em-up. High quality
A024....Eat Mine (N)....Emerald Mine Balderdash game
A165....Super Skoda....Car racing game
A207....Flagcatcher....Find the flags. Very addictive
A209....Games Galore Ten (N)....14 excellent games
A214....Parachute Joust....Fight for parachute on descent. V. good
A221....Revenge of Mutant Camels....Good. Similar to Centipede
A226....Dual....2 player action shoot-em-up
A243....Tetren....Excellent Tetris clone
A247....Quiz Master....Quiz which includes Editor
A255....Amos Games....5 Games including Glassback
A327....Tetris Pro....Tetris game with exceptional variants
A338....Project Buzz Bar....Excellent asteroid type game
A340....Depth Charge....Submarine game
A341....Earth Invader....The best space invader game
A433....Harry Haddock....Really good platform adventure
A434....Amiga Boy....Console games on Amiga!
A443....Nimble!....New. Addictive graphical platformer
A502....Cyberman....3D Pacman game. Excellent
A503....Chaneques (2 disks)....Like Lemmings. Good
A504....Rebellion....Asteroids shoot-em-up
A512....Transplant....Good fun asteroids game
A515....ASI 240....Caterpaults, Super Daleks, Muhtar
A516....ASI 241....China Tiles, Minhunters, Think Ahead
A518....ASI 243....Tank, Colour and Mind and High Pressure
A519....ASI 244....Masterblaster, Stench and Pacwar
A529....Egg Scramble....Very popular mad game
A531....ASI 249....Trooper, Revolver & Conundrum

STRATEGY + WAR GAMES

Sim102..Simulation 1 (1 meg)....Recommended. 5 games including Metro
Sim109..Wheel of Fortune....TV Quiz, computerized
Sim124..Napoleonic Warfare....High-quality simulation
Sim143..Card Shop....Well presented card games
Sim217..Act of War....Excellent strategy game
Sim218..Roulette....Casino Classic
Sim220..Sub Attack (N)....Also landmine + bomber
Sim224..Stratigic Games....3 excellent games
Sim410..Island....Excellent board-game. Build hotels & money
Sim414..Diplomacy (N)....Classic, similar to Risk
Sim415..War (N)....Top-quality 8-bit strategy
Sim158..Total War (N)....Risk type game
Sim428..The Shepherd....Populous clone
Sim444..Ultimated Quiz....Pub-quiz clone
Sim505..Scrabble....Board-game computerised

SPORT

Sp170....Amos Criket (N)....'Owzat!
Sp208....Grand Prix Simulator (N)....Excellent
Sp263....Soccer Cards....Simplistic league-based game
Sp299....Top Of The League....Addictive football management game
Sp303....Strikeball....Baseball-type action game
Sp307....18th Hole (2 disks)....Excellent golfing game
Sp325....Mister Men Olympics (2 disks)....Excellent game for disks as reviewed in Amiga Computing
Sp337....Super League Manager 2....Updated soccer management game
Sp372....Road To Hell....Well-produced racing game
Sp373....Wrestling (2 disks, WB2.0 upwards)....Good fun graphics
Sp376....Unsensible Soccer....Good football game
Sp429....A Day at the Races....Simple horse racing game
Sp528....Sports Challenge....Hyper Olympics. Cycling, Diving etc
Sp532....Friday Night Pool....Great Pool simulation

A1200/A4000 ONLY

U235....Sleepless Nights....Compilation of A1200 utilities
U321....Chesmayne....Chess text & pictures
U324....Lottery Winner AGA....Helps you to win!
U508....Videotracker 2....AGA demo-creator
D285....Fairlight....29 meg of graphics on one disk
D289....State Of Art....Famous quality demo
D290....Raving Mad Me....High quality music video
D291....Lethal Exit....Stunning demo
D300....Technotrack II....More rave music
D301....Retina....Excellent Vector film demo
D305....Tina Small....Slideshow of model
D315....Minomist Rave....Great dance demo
D509....Phoebe Cates....High-resolution slideshow
E300....Speak & Spell....Good for Learning Youngsters
G321....AGA Klondike (3 disks)....Excellent patience card game
G322....Giger Tetris....Tetris clone
G339....AGA Megaball....Brilliant breakout game
G372....Mad Fighter....2 player Street Fighter game
G414....Motorola Invaders (2 disks)....Brilliant space invaders
G420....Pssst AGA....Arcade AGA game
G440....Missile Over Zenon (2 disks)....3D missile command
G441....To the Death....Street fighter clone
G442....Excellent card games III....Restricted AGA version
G445....AGA Donkey Kong....Re-hash of original. Good
G506....Battle Duel....Multiplayer artillery game
G507....Samurai Showdown....Street-fighter clone
G510....Raketz V2.25....Multiplayer thrust shoot-em-up

Blank disks
10 for £3.99

Mouse Mats
Deluxe Mouse Mats £2.50 each

CD ROM Software
We now stock CD software.
Please write/phone for prices

Catalogue disks
75p each
Details of over 4000 disks in our library updated regularly

POSTAGE
UK orders : 75p
Europe : £1.50
World : £3.00

PRICES
PD....95p per disk
90p each for 15 to 24
85p each for 25 or more
75p each for 50 or more

HOW TO ORDER
Enclose list of disk numbers along with your Cheque/Postal Order made payable to:

SOFTWARE EXPRESSIONS
18 Maple Road, Horfield, Bristol BS7 8RH

Access
Credit Card orders only (Sent on day of order)
Tel: 01179 425987 (9am-6pm Mon to Fri)
VISA

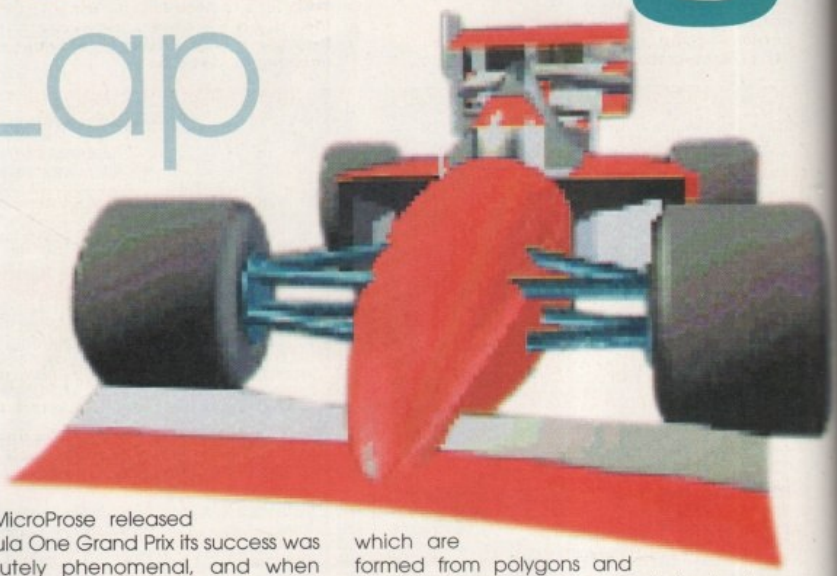
SANTA'S SPECIALS

Order any ten disks for £7.99 including p&p ☐
or
Choose 1 free disk for any order over £3.00 ☐
Tick, cut & send

Please enclose coupon with your order.
Or quote special offer when ordering by phone

Reviewed by Andy Maddock

Leading Lap



GRAPHICS 91%

SOUND 84%

GAMEPLAY 88%

OVERALL 90%

After MicroProse released Formula One Grand Prix its success was absolutely phenomenal, and when they announced that they were working on Formula One Grand Prix 2, it was something to look forward to for racing fans. What they failed to mention, however, was the fact they were developing it exclusively for the PC and an Amiga version would never follow – ever.

I don't know whether Kellion Software knew this at the time, but they've certainly made the right decision in filling the hole that F1GP left with their new 'virtual' racing game, Leading Lap.

Leading Lap MPV features what's called Moving Point of View which acts like virtual reality. For instance, when you take a corner, the driver's head turns slightly to make it look more realistic than Formula One GP. It's difficult to notice when you're challenging for first place, but if you sit back and watch someone else, it gives it that little bit extra to look at.

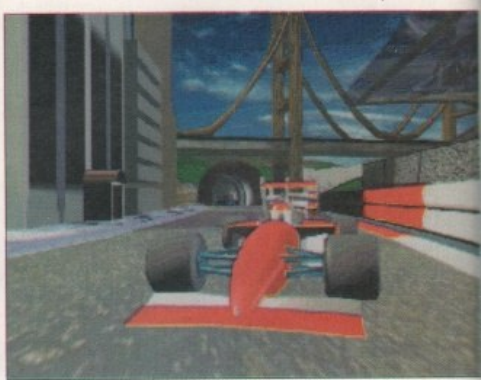
There are three cars to choose from – the Formula One, Rally, and the Endurance, all of which are formed from polygons and look very realistic – right down to the brake lights at the rear. The cars are hugely detailed and unlike many other racing games, they actually look like cars.

The main objective is to illegally race around different courses from around the world and try and win the league championship by beating four other competitors. You can select any of the cartoon-type drivers and any of the three cars. Each car has various attributes that have to be taken into account, for instance, a very bendy track may suit the Formula One car as it's good at taking bends and has a steady top speed.

When Leading Lap first arrived in the office, I noticed the graphics, in particular, were looking very professional. The polygons were shifting at a horrific rate and were generally looking fast and

Professional sounds

The sound effects are pretty average, although there's isn't much difference in the quality of the engine sound. However, there is the screech of brakes and a bloke that continually shouts things at you while you complete a lap. Unlike many other Amiga games, the music is actually done by a professional working guitarist who's worked with the likes of Tina Turner and Bon Jovi. Having said that, be prepared – it's very Metallica-like. So if you're into anything like Oasis, it's a cue to turn the volume down or, better still, turn it off.



The opening screen looks remarkably like that of MicroProse's Formula One Grand Prix – still, nice picture

PUBLISHER
Black Legend

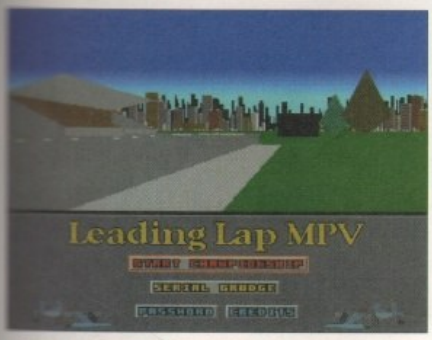
DEVELOPER
Kellion Software

PRICE
£29.99

DISKS
2

HD INSTALL
Yes

SUPPORTS
A1200

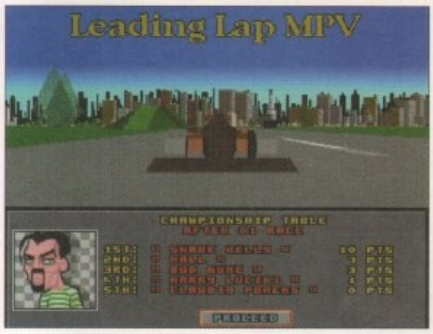


The title screen displays the options as well as the action continuing above as a car shows off all its angles on the demo

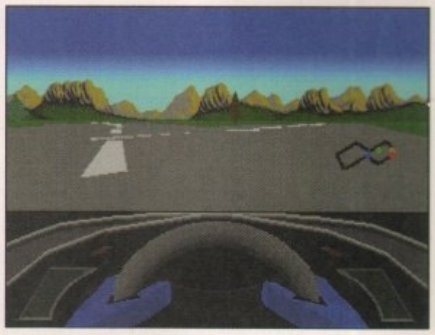
You can see here that all the attributes of the drivers are shown and occasionally they can be the difference between you finishing in first place

The detail levels can all be adjusted, so if you like you can switch between clouds on or clouds off – important that!

You can see how close you can get to the other cars. This race in particular looks like a close one



The league table is shown at the end of each race and as you can see, each driver is awarded points depending on their performance



The tracks are all completely different to each other. There is a crossroad section in the middle of this one – could be quite dangerous if you're not careful

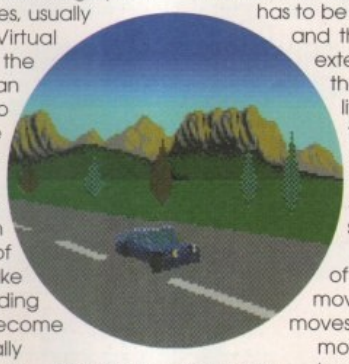
unbelievably smooth. So many times the Amiga's hardware has had to sacrifice speed for graphics and vice versa which, in most cases, usually leaves people disappointed. Virtual Karting by OTM – reviewed in the November issue – was faster than most racing games, although to compensate, the graphics were truly awful – they don't look in the least bit as professional.

The backdrops in Leading Lap are suitably drawn, giving you an instant feel for place and time of day. Incidentally, if you should take too long racing around a track, finding cars lapping you, the sky will become darker and darker until it's virtually impossible to see where the bends will come up.

The tracks are of a good variety and you'll always get a couple of useful tips on them before you even set off. These inform you of tight corners, obstacles to avoid, and places it may be handy to use that brake pedal. This gives you an idea of how to plan out the race – where to overtake and what to look out for.

There's a password option so you can continue the game later and take some of the pressure off the need to finish in first place. Thankfully, the passwords are nice and short and don't require you to type in about 3,000 lines of complete gibberish for you to carry on where you left off.

There's an extra option for those who have got Amiga-owning friends because two-players can link up through a serial cable and race against each other. This is always the best way of sparking up a bit of friendly rivalry. You can select the detail and distance level, and switch between internal and external views via the keyboard. The best view has to be the internal because of the speed and the control. Using the zoomed out external view restricts your control of the car and, even if it does look that little bit better, it doesn't always pay to be fancy. You can also alter the angle of the external view which makes it impossible to control but, again, a good view for a bit of showing off.



The external view can be seen from any angle, although it does occasionally like to wander off the track and into a tree – that's probably just me though

There's a circuit map to the right of the screen and instead of the cars moving around the map, the map moves around the cars which looks far more interesting than a standard boring graphic.

There are five drivers to select from, although be careful because they will all try different tactics to beat you. There's Snake Kelly, Wall, Claudia Powers, Bud Nuke and Harry Lucini. They all drive their own specific cars so you will instantly be able to recognise who's in front and behind.

Final word

Overall, Leading Lap looks and feels like a very professional product, featuring aspects that we all know the Amiga can produce. If software like this can continue at such highly quality then not only will Kellion Software undoubtedly find themselves ranking high in the list of leading software developers, they may even find themselves high in the charts so soon after Christmas.

> The main objective is to **illegally race around** different courses from around the world and try and win the league championship **by beating four** other competitors

AMIGA GAMES A

£0.99p Each

Title	Code Number
Bionic Commando	AM01
Bad Lands Pete	AM02
Defender 2	AM03
Nine Lives	AM04
Chronicles of Omega	AM05
Streetfighter	AM06

£1.99p Each

Title	Code Number
Body Blows	AM07
Championship Manager 92/93	AM08
Club Football	AM09
Football Glory (A1200)	AM10
Microprose Soccer	AM11
Winter Olympics	AM12

£2.99p Each

Title	Code Number
Championship Manager 93/94	AM13
E Motion	AM14
Gunship	AM15
Mortal Kombat	AM16
Kings Quest 2	AM17
Rise of the Robots	AM18
Rise of the Robots (A1200)	AM19
Total Carnage (A1200)	AM20
PGA Euro Golf (CD32)	CD01
Valhalla	AM44
Fantasy Manager	AM45

£4.99p Each

Title	Code Number
Eye of the Beholder	AM21
Jungle Strike (A1200)	AM22
Jungle Strike	AM23
Top Gear 2 (A1200)	AM24
F1 Championship Edition	AM25
Tornado	AM26
Jimmy White's Snooker	AM27
Police Quest 3	AM28
Sim City 2000 (A1200)	AM29
Sim Earth	AM30
Space Quest 3	AM31
Cannon Fodder	AM32

£7.99p Each

Title	Code Number
Championship Manager Italia 95	AM33
Cannon Fodder 2	AM34
Detroit (A1200)	AM35
Micromachines	AM36
New World of Lemmings (A1200)	AM37
Powerdrive	AM38
Premier Manager 3 (A1200)	AM39
Monkey Island 2 - Le chucks revenge	AM40
Space Quest 4	AM41

£9.99p Each

Title	Code Number
Delphine Classic Collection Contains: Flashback, Cruise for a Corpse, Another World, Operation Stealth, Future Wars	AM42
International Sensible Soccer	AM43

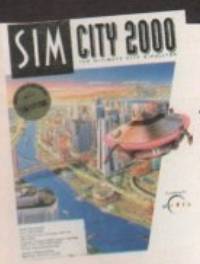
ALL GAMES ARE BRAND NEW & FULLY BOXED. F

ORDER HOTLINE

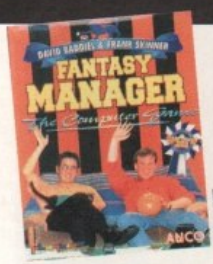
217 London Road, Apsley, Hem

T CRAZY PRICES!

£7.99

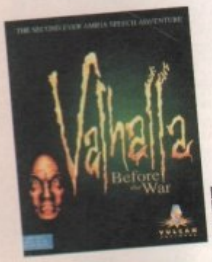


(A1200) £4.99



£2.99

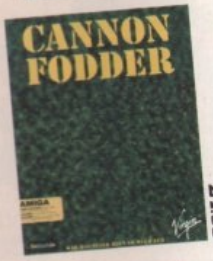
£2.99



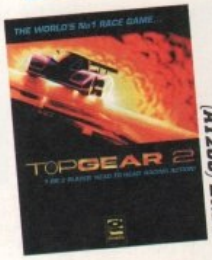
£2.99

£7.99

(CD32) £2.99



£4.99



(A1200) £2.99

(A1200) £1.99

£1.99

£1.99

£7.99

£9.99

ORDER FORM

FREE Game worth £7.99
with every order of £9.99 or over.

It's NOT Shareware.
Orders must be £9.99 or over!!

Please send me:.....
.....
.....
.....
.....
.....
.....

Total goods value.....	£.....
P&P (@ 50p per game)	£.....
Amount enclosed.....	£.....

Access VISA SWITCH DELTA

Credit Card order hotline: 01442 233996
Cheques and Postal Orders payable to:

Games Without Frontiers Limited
217 London Road, Apsley, Hemel
Hempstead, Herts. HP3 9SE.
Post and Packing 50p for each game.

ORDER QUICKLY - LIMITED STOCKS!

Please note, all prices are correct at time of going to press & subject to availability

DUST COVER WITH EVERY ORDER OVER £9.99.

01442 233996

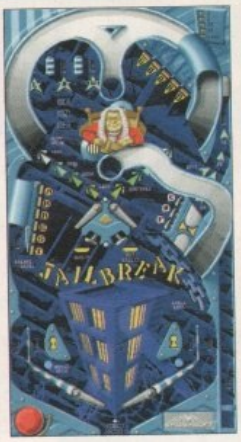
el Hempstead, Herts HP3 9SE

SYSTEM
review

GRAPHICS 60%
SOUND 60%
GAMEPLAY 55%
OVERALL 60%

The four tables in all their glory: Tarantula, Jailbreak, Jackpot and Kick Off

The Tarantula table looks quite good, but it is one of the least interesting to play



JailBreak is overseen by a judge who deals out harsh sentences

Jackpot works quite well by providing a fruit machine mission

The Kick Off table looks the most dated and seems out of place

Pinball Mania

Reviewed by Tina Hackett

> ‘ It’s not the sort of game that you’ll want to **play for hours** on end. Disappointing to say the least ’

PUBLISHER
21st Century

DEVELOPER
Spidersoft

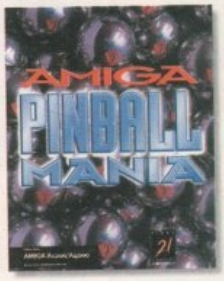
PRICE
£29.99

DISKS
3

HD INSTALL
Yes

SUPPORTS
A1200/A4000

Before you all say ‘I’ve seen this reviewed before’, you have, but because it came bundled in the new Amiga Magic Pack, it only got a miniature-esque review squeezed into the main pack evaluation. Now, however, it’s available as a standalone product and therefore deserves a review all to itself. And here it is.



As you’ve probably gathered, it’s the latest pinball sim from 21st Century, the publishers renowned among pinball wizards for releasing some of the best sims around. However, there’s one big difference this time and one that has left me with my doubts about this title. The developers of the previous games were Digital Illusions, and the games were then converted to the PC by Spidersoft. Now, however, Digital Illusions have been left out of the equation altogether and development left in the hands of Spidersoft. It’s a big mistake and all too obvious that Pinball Mania is not up to the same standard as Pinball Illusions, Pinball Dreams, or Pinball Fantasies.

The game provides you with four tables (one more than Illusions, admittedly – but it’s quality not quantity that counts) and each has a different theme, with various missions related to them. One table, for example, has a football-style topic and provides missions such as spelling Kick Off to start the penalty shoot-out mode, or shooting the ball trap to reach the next round of the league. Jailbreak, the most atmospheric of the tables, uses a sinister theme with an evil judge overseeing the proceedings. You can start a riot, sentence a suspect, or spell Law to advance to the bonus multiplier value.

Although the themes have been well thought out, the graphics do nothing to create realism and are far from impressive. The game is AGA only, although you wonder why when you actually see and compare it to Pinball Illusions – it looks decidedly poor and out of date.

All this could have been forgiven if the playability was up to scratch – unfortunately, though, it’s not and fails to keep the player interested. There’s no elusive ‘addiction’ ingredient that should be there to keep you returning for just one more go. Realism should also be an essential factor in a game such as this, but again this was absent. The flippers felt sluggish and even at full power, the ball minced around the table like a snail on dope.

The sound worked quite nicely though with an appropriate tune for each table, and sound effects gave it some atmosphere.

Final word

See? It does have its redeeming features but the poor gameplay factor still remains. The problem seems to be that we’re all still spellbound by 21st Century’s last pinballer, and this just seems like a step backwards rather than continuing the trend of quality by improving it with each release.

It does play okay for a while and there are a few nice touches such as a fruit machine on the Jackpot table, but it’s not the sort of game you’ll want to play for hours on end. Disappointing to say the least.

EPIC MARKETING AMIGA SOFTWARE

A powerfull set of cataloging tools. Catalogue your Record, CD, Video and disk collection with ease, and search on any aspect or field.
Suitable for use with Kickstart 2 & 3 only.
Only £5.00

☐CTG5-3. CATALOGUERS

Professional graphics converters, can convert graphics between the Amiga, PC, Mac & Atari ST. Supports GIF, TIF, IFF, PCX, BMP etc.
Kickstart 2 or recommended.
Only £5.00

☐GFC5-2. GRAPHICS CONVERTERS

A six disk collection of Video titling tools, video wipes, fonts, Video titlers, Subtitle generator, Video backdrops etc.....
Suitable for use stand-alone or inconjuction with Scala etc....
Only £12.00

☐VID12-6. VIDEO TITLING TOOLS

A collection of essential hard drive maintnance tools. Like: disksalve 2, HDbacku HD Menu system, Virus Checker, and dozens more.

Only £5.00

☐HDT5-2. HARDDISK TOOLS

Dozens of easy to follow recipies.
If your a budding Ian Beele or Floyd then this gourmett cookbook is just the thing for you. You'll be a professional in no time.
(Be sure you test your cooking on your In-laws first!) Only £3.00

☐GCB3-1. GOURMET COOKBOOK

Little Office consists of a powerfull Wordprocessing package, a spell checker, A diary system, a name and address database, and a powerfull spreadsheet. Compatible with all Amiga's but Workbench 2 or 3 is recommended. Only £7.00

☐IFC7-3. LITTLE OFFICE

Around 100 scalable compugraphic fonts for use with Wordworth2&3, Pagestream, Workbench 2&3. High quality printout from 5point upto 100point.

Only £7.00

☐PSF7-3. COMPUGRAPHIC FONTS

If you've just got a new A1200 hard disk then to prep & install it correctly you'll ne the correct software. This software come supplied on 2 disks. The first preps & pa tions your harddisk, the second install Workbench correctly. Only £7.00

☐AHD7-2. A1200 HARD DISK INSTALLE

Now the weather is Okay it's time to put on your shorts and dig the garden. Now the best way to get out of doing this is to use the excuss that you are far to busy designing the garden to actual do it!.
Only £3.00

☐GRN3-1. 3D GARDEN DESIGNER

If you like a little flutter now and then but don't like loosing *real* money the this is for you. The Amiga Betting shop contains four great gambling games. Roulette, Fuit machine sim, Horse racing etc.
Only £6.00

☐ABS6-4. AMIGA BETTING SHOP

Mono Pagesetter clipart contains hundreds of great mono clipart images for use in any version of Pagesetter. Subjects include: Animals, People, Transport, Hi-tech, Computers, Sports, etc....
Only £3.00

☐MPC3-1. MONO PAGESETTER CLIPS

An essential collection of disk recovery & salvage tools for Workbench 1.3, 2 & 3. Weather a floppy of your Harddisk has c cieved an error this package will see you allright. Easy to use.
Only £5.00

☐DRT5-2. DISK RECOVERY TOOLS

There are over 1000 Amiga viruses currently "doing the rounds". So catching one isnt a hard thing to do. This collection of Virus killers is updated regularly, So you can be sure you'll be able to detect and kill all known viruses. Only £4.00

☐VIP4-2. VIRUS KILLERS

Girls, Girls, Girls is packed with full colour "GIRLY " pictures. all AGA 256 colours, suitable for the A1200 or A4000.

Only £6.00

☐GRL6-3. GIRLS, GIRLS, GIRLS

Miscellanous colour clipart images. Around 100 in all covering: cats, dogs, cars, trees, planes, boats etc...
Suitable for use in any Paint or Desktop Publishing package.
Only £9.00

☐CCP9-5. COLOUR CLIPART

Word finder Plus is the most powerfull AMiga crossword solver available to date Can solve anagrams, crosswords etc. co tains a dictionary of over 50,000 English words, and you can easily add your own
Only £5.00

☐WFP5-2. WORD FINDER PLUS

If you've got a tempremental Amiga the The Engineers Kit is what you need. You can test your Drives, Your Hard disk, Memory, Keyboard, Sound chips, graphics chips, Mouse, joysticks etc....
Only £3.00

☐ENK3-1. ENGINEERS KIT

Over 130 top quality colour images from the Lion King cartoon film. Each image is stored as ready to use IFF so can be imported into ANY paint or Desktop publishing package.

Only £6.00

☐LKA6-3. LION KING CLIPART

Magic Workbench is an inavative replacement Workbench. Gives you a completley new 8 colour updated Workbench. A hard disk is highly recommended. Various extras disks are available seperatly.
Only £3.00

☐MWB3-1. MAGIC WORKBENCH

A new two disk set of Workbench Girly bathing babes Backdrops all in 128 glorc colours, suitable only for Workbench 3.

Only £5.00

☐WGB5-2. WORKBENCH BACKDROF

Play hundreds of classic Spectrum 48 games on your Amiga. This very easy to use Emulator will run on every Amiga. The faster your machine the faster/smoother the games run..... Games include: Skool daze, Manic miner, Little computer people, Monty mole, Startrek, The Sentinal, etc...
Pack1. (SPE5-3) **Speccy em & 50 games.** Only £5.00
Pack2. (SPG15-7) **100 classic games.** Only £15.00
Pack3. (SPG35-33) **400 classic games.** Only £35.00
Pack4. (SEH40-1) **Speccy em, 50 games and tape deck interface.** £40

☐SPECCY EMULATORS

The disk doubler can liturally double the space available on your hardisk. If you've got an 80mb drive you'll end up with over 130mb. If you've got a 320mb drive you'll end up with over 1/2gig hard disk.
Only £5.00

☐EPU5-2. DISK DOUBLER

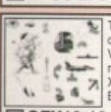
An updated 2 disk version.... Contains dozens of DIY hardware kits, like how to fit your A1200 into a mini tower PC case, build your own sampler, memory expansion, CD32 Link lead etc, etc.
Only £4.00

☐HWP4-2. HARDWARE PROJECTS

Three Stratrek games. Includes: Startrek the Arcade game. Stratrek TNG, and the Original Startrek. Decompresses to SIX disks.

Only £6.00

☐STG6-3. STARTREK GAMES



The Professional mono clipart collection consists of 10 disks featuring hundreds of VERY high quality mono images. All the most popular subjects are included like: Xmas, Animals, Transport, People, Eyecatchers etc. Only £13.00

☐GFX13-10. PRO. MONO CLIPART

Contains Three superb easy to use Typing tutors for the Amiga. Suitable for the complete beginner or anyone who at the moment types with one or two fingers...

Only £3.00

☐TYP3-1. TYPING TUTORS

Play poker with some of the most Comm and unatractive woman in the World. Includes digitised graphics and speech. for Over 18 only....

Only £10.00

☐DSP10-1. DELUXE STRIP POKER

Centrefold Squares is an original Adult puzzle game featuring digitized graphics. At this price, don't miss it.

Only £5.00

☐CFS5-1. CENTREFOLD SQUARES

The Ultimate Chess & Tutor, suitable for any 2mb+ Amiga. Contains tons of Inbuilt speech, and great graphics. Suitable for the learner of semi-pro.

Only £4.00

☐JIT4-1. CHESS & TUTOR

News maker is a simple to use colour Desktop publishing package. Import your own graphics, text etc. Compatible with all popular printer makes.

Only £4.00

☐NRL4-1. NEWS MAKER

Create your own fascinating 3D magic ey images with ease. This package includes The Random Dot Stereogram generator and a number of ready to use images.

Only £3.00

☐RDS3-1. MAGIC EYE KIT

A huge collection of top quality professionally finished 3D Lightwave objects. Includes : Soul Hunter, Delta fighter, Vorlon space craft, B5 Station, 2 jumpgates, Nebular space dust and more. Requires Lightware.
Only £7.00

☐BFO7-4. BABYLON 5 OBJECTS

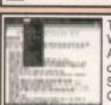
With this language tutor you could learn to speak either SPANISH, FRENCH, GERMAN, ITALIAN OR JAPANESE. Easy to use, and easy to understand????

Only £8.00

☐LTP8-4. LANGUAGE TUTORS

Basically this is a 3 disk compilation of tools which should really have been on Workbench. eg: Virus Killer, Fast text editor and displayer. Menu system, File manager, A few Workbench games and more.
Only £7.00

☐SCF7-3. STUFF COMMODORE FORGOT



Text Engione V4 is the easiest to use Wordprocessor package available on the Amiga. It even includes a compitent Spell check feature.
Suitable for all Amiga's.
Only £3.00

☐TXE3-1. TEXT ENGINE

Every Amiga Emulator includes emulators for : Gameboy, Commodore 64, Commodore VIC20, Various IBM emulators, Spectrum emulators, Sinclair QL, Atari ST etc.
Only £5.00

☐AEP5-3. EVERY EMULATOR

Hundreds of Very high quality professionally finished colour clip fonts for use in any Paint package. Excellent for Video work, demo making etc.

Only £5.00

☐CCF5-2. COLOUR CLIP FONTS

A new replacement 2 disk Workbench that features: Startrek Icons, Backdrops, and amusing sound samples whenever you do anything wrong.

Only £5.00

☐TNG5-2. NEXT GENERATION WB

Classic Board games includes Amiga var tions of Scrabble, Monopoly, Cluedo, Backgammon, Chess, Othello, Tiles, Tic-Tac-Toe, Cribbage etc.

Only £10.00

☐BDG10-4. CLASSIC BOARD GAMES

100 high quality Amiga Bitmap fonts. Suitable for use with almost any Amiga package, Including DPaint, Workbench, etc Font sizes start at 6pt upto 50pt.

Only £7.00

☐FNT7-3. FANTASTIC FONTS

Get your finances in order with this unique collection of home finance software. Keep track of your monthly outgoings: Petrol, Gas, Electricity, Mortgage, Rent etc....

Only £7.00

☐FIN7-3. HOME FINANCE

A collection of Lottery Winners. Help your self beat the Lottery with this superb disk. Every week let your computer generate the Winning? numbers. If you play the Lottery then get this disk.....
Only £5.00

☐LWP5-1. LOTTERY WINNERS

Arcade classics V2 contains varioations c classic games like: Space Invaders, Frogger, Missile command, Asteriods, Q-Berts, Omega race, Centrepede etc.
Suitable for any Amiga.
Only £5.00

☐ARC5-2. ARCADE CLASSICS 2

Amiga Power tools includes dozens of the most usefull & most powerfull utilities available. Virus killer, text editor, Menu maker, Sound & grapghis tools, and loads more. Requires Workbench 2 or 3.
Only £5.00

☐ATC5-2. AMIGA POWER TOOLS

Password protect you valuable Hard drive information with this extensive and easy to use Password and File encryption tool.

Only £10.00

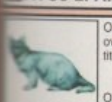
☐PSW10-4. PASSWORD SYSTEM

A collection of over 100 popular and more unusual printer drivers. Supports the canon, Panasonic, Star, range of printers aswell as undreds more....
Very easy to use installation procedure.
Only £3.00

☐DRV3-1. PRINTER DRIVERS

If you've just purchased your Amiga you may be a bit boggled how you use it prop ly, Well this five disk set take you through the CLI/Shell, Workbench step by step showing you every thing you need to kno
Only £9.00

☐ABG9-5. AMIGA BEGINNERS GUIDE



Our Catalogue disk contains information on over 4000 public domain disks, CD-ROM titles, Packs, and ordering information.

Only £1.00

☐CAT1-1. CATALOGUE DISK.

Classic card games consists of around a dozen superb card games like Poker, Solitaire, Craps, Montana, Pontoon, Blackjack, Klondike, Spades, Golf, Rummy and more.....
Only £10.00

☐CRD10-4. CLASSIC CARD GAMES

Essential for Beginners is a collection of files essential for the smooth uninterupted use of your Amiga. All the most asked for libraries and Viewers are included like More, Muchmore, PPmore, etc
Only £2.00

☐EFB2-1. ESSENTIAL FOR BEGINNERS

Startrek Magic Workbench backdrops. An interesting 2 disk collection of Magic Workbench Startrek 8 colour backdrops. If you love Startrek you'll love these.

Only £5.00

☐STB5-2. STARTREK MAGIC WB

EPIC Marketing
Victoria Centre,
138 Victoria Rd,
Swindon, Wilts.
SN1 3BU. UK

Mail Order Hotline.
E MAIL epic@epma.demon.co.uk
01793 490988
Fax Order line. 01793 514187

The EPIC Collection CD

The EPIC Collection CD ROM contains all the above titles and hundreds more. All DMSed onto an inavative GOLD CD ROM which you can update..... (see our CD add for details) ***CD100*** **£19.99**

Available to buy Now!!!!

We are open Monday - Saturday 9:30am - 5:30pm. Cheques & Postal orders accepted. For UK orders please add a total of 50p. Overseas orders please add £1.00 per title. Most orders are sent within 48 hours. All titles work on all Amiga's unless stated. E&O

SYSTEM
review

Reviewed by Andy maddock

Coala

This game was previewed in the June issue of *Amiga Computing* and back then it was looking like becoming one of the definitive flight simulators. Obviously with a name like Coala, you'd expect myriad jokes about Koalas, Australians or eucalyptus. However, most of those were spawned back in June and they've all been exhausted, so I just can't think of any more.

As you've probably already gathered Coala, is spelt with a 'C' and you'd be right in thinking that it doesn't have anything to do with that furry thing down under. In Empire Interactive's words... 'Coala. Cute name but don't be deceived.'

If you can remember a game called Thunderhawk, cross it with EA's Desert Strike and you can possibly form an idea how Coala looks and plays.

What makes Coala stand out from the rest is the virtual realism that features so strongly. For instance, during a flight, what would you do if you heard a hellfire shooting off and it didn't belong to you. It'd be too late to toggle between external views to find out who it came from – as you'd be plummeting thousands of feet towards your death. However, in Coala, if you should hear the whoosh of a missile being unloaded, possibly in your direction, holding down the right mouse button will enable you to look out of the window to see where it's coming from. If you do happen to be unlucky enough for it to be hammering in your direction, then careful triggering of a Chaff or a Flare will soon confuse it and give you the time to get out of there. It's all to do with quick thinking, and Coala makes it that little bit quicker.

To make thinks a little different, instead of being part of some squadron or another

GRAPHICS 91%
SOUND 89%
GAMEPLAY 90%
OVERALL 91%

This the EFA program where you can manipulate all sorts of objects by rotation

This is one of the many objects that features in EFA. It's a superb program to show off the speed of your Amiga

The Stealth Fighter here is not to be confused with the Stealth Bomber as they are completely different, thank you

PUBLISHER
Empire Interactive

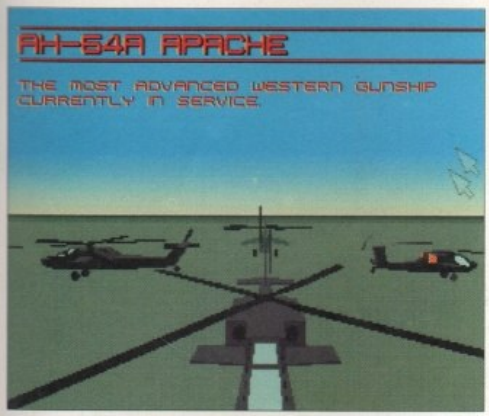
DEVELOPER
Bitfusion Virtual Realities

PRICE
£34.99

DISKS
2

HD INSTALL
Yes

SUPPORTS
All Amigas



You can select any helicopter apart from the Coala, because that's the best and you're not allowed it! Well, you can after you've got a few more points

disciplined air force, your helicopter doesn't actually have any markings, so it is completely unrecognisable by everyone else. This means you can take anyone's side and help them blow up the opposition. Not only will this be great fun by pretending to fly with the opposition and then blowing them out of the sky, but you will be able to repeat the missions and support the other side. The only downside for this is that once you do take a side, the opposition won't take too kindly to you hanging about and will try anything to get you out of the sky.

The flexible view controls are very useful, unlike in many other flight sims where they were only good for showing the game off. You actually need them for landing, viewing other planes, and escaping missiles.

All the function keys represent the views as usual, and the F1 key brings up your on-board computer, whereby you can view your mission objectives, targets, find out the damage to your helicopter, and see the aircraft that is entering your vicinity.

There are many detailed scenarios which you can battle through, each one posing a completely different objective, and it will take more than an ounce of strategic knowledge to complete. You can also configure the object, world, surface detail levels, switch between shaded horizons and the Amiga's special copper shading to suit how you would like to view it.

You are able to take part in battle during four different times of day – dawn, noon, sunset and night. Obviously the night is going to be difficult because of the dark, although, your special Pilot Night Vision System (helicopter headlights) can be switched on.

To help you weapon-wise, there's a wide range of armament for selection. Obviously the sidewinders, hellfires, flares and chaffs are the norm, followed by a series of other well-known missile types that are completely new to me.

The missions themselves are all designed by ex-NATO personnel and even the codes have a special ex-NATO defence system feel about them because you have to enter the special password for that particular officer – or should I say, staff member of Empire!

Not only do you get Coala for your £25, you also receive two products that should be quite ➤

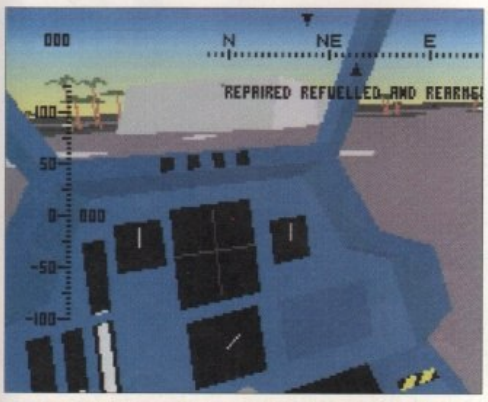
A steady hand

Now you may be wondering how the control system works because of the amount of eternal views and options. Well, you control the helicopter using the mouse. Pressing the left mouse button will release the weapon you have loaded, and pressing the right button will enable you to look out of the side of the helicopter – this all works out so your flying position doesn't change. Basically the best control method is to hold the mouse in one hand and keep your fingers hovering above the keys on the keyboard that you are most likely to use.

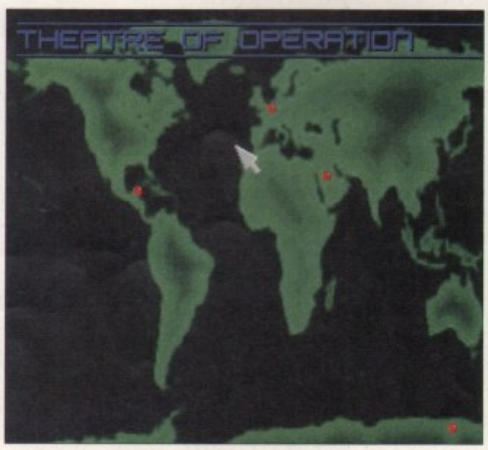
Overall, it's a very comfortable method, and by altering the mouse sensitivity it turns out to be the most effective. The joystick would have given Coala an arcade feel which wouldn't have done it justice, making it feel too arcadey and letting it down in terms of simulation.

This is the great hall of fame where you can enter your name to achieve a high status – especially amongst your 'plane spotter' chums

> ‘The flexible view controls are **very useful,** unlike in many other flight sims where they were only good for **showing** the game off’



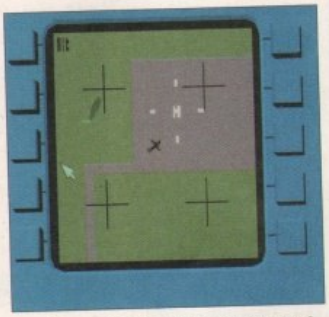
When you return to your base, you are given an opportunity to reload your weapons and refuel



This is the map. At the moment there are three campaigns to choose from, and they all have various sub-missions to complete

As you can see from this external view, Coala is graphically superb and it plays as good as it looks

You can choose from many various external views which all help in attacking the enemy



You can call up your on-board computer to see various camera angles of your position – these can be particularly helpful when you are ready to land

familiar to anyone who's explored the Aminet series. The first is Navigator which is basically a virtual world creator – this is the actual engine which was used to produce Coala. Although you can't create your own worlds, you can, however, load up some of the objects used in Coala, zoom in and out, rotate through 360 degrees, and generally manipulate them in any way you wish.

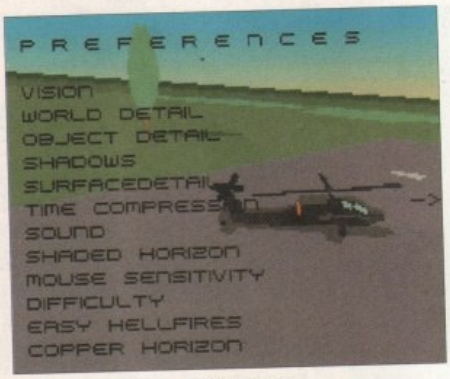
The next is called EFA, which is a simple program whereby you load up any of Coala's aircraft and just fly them around different types of scenery – Empire thought this would be an added bonus. If you get bored of flying a helicopter in the actual game, you can then move on and whizz around with EFA, flying high-powered jets, or even bi-planes. The speed of EFA is outstanding, providing high speed thrills – even though there's nothing to shoot.

Coala features complete artificial intelligence between the two competing sides. For example, you can stay on the ground and miss out on all the fun and still win – because all the other pilots will battle it out in the skies above you. The only problem with this is that you won't receive any points because you are awarded for what you shoot down and consequently you won't proceed any further.

The graphics featured in Coala are truly superb, especially with the virtual reality which makes you feel as if you really are there. The intelligence of the other sides is set perfectly, so you can fly around stalking other aircraft rather than getting blown out of the sky every few minutes. The sound effects of other helicopter's blades whizzing by are excellent and the copper shading on the horizons adds that little bit extra in terms of realism. The whole presentation aspect is superb – the graphics and sound are nothing short of what we expect from the Amiga.

Final word

Coala should be all boxed and ready to hit the shelves before Christmas, and when it does I can see it being a huge success. It's been a long time since we saw a flight simulator of this quality on the Amiga, and I can guarantee you won't be disappointed.

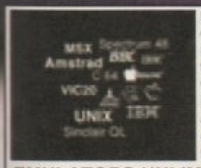


The preferences will enable you to alter the way Coala plays and looks

When you are flying high above the ground, you are far more vulnerable in the air

You can view the action from an Audi - if you really want to that is!

EPIC MARKETING
CD ROM SOFTWARE



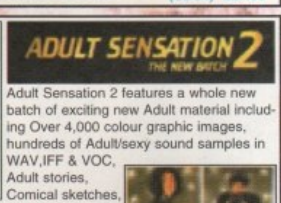
Emulators Unlimited contains Software emulation tools for the Amiga & PC. Spread over the two platforms are emulators for: Apple, BBC, Commodore 64, Commodore VIC20, Amstrad CPC, Apple Mac, Gameboy, Atari ST, MSX, Apple200, Atari 800, Atari1040ste, Sinclair QL, Unix and more. Also features hundreds of games,tools etc for most of the emulators.

EMULATORS UNLIMITED NEW!!! (CD117) £19.99

A superb CD-ROM for all STARTREK fans, contains Hundreds of graphic images in IFF & GIF from the very first series too the very latest film/series. Dozens of IFF and WAV sound samples are also included aswell as both the Next Generation & original Startrek Theme tunes. Also includes dozens of Startrek animations in both Amiga anim & FLI.

Only available till end of 1995

STARTREK MULTIMEDIA GOLD (CD04) £27.99



Adult Sensation 2 features a whole new batch of exciting new Adult material including Over 4,000 colour graphic images, hundreds of Adult/sexy sound samples in WAV,IFF & VOC, Adult stories, Comical sketches, Hundreds of Adult jokes, Dozens of either weird,sick or adult animations in FLI & ANIM. Adult sensation 2 also contains around a dozen original adult music modules that feature sexy samples. Not one for the faint hearted... (18)

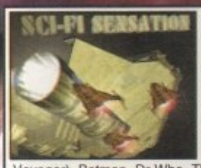
ADULT SENSATION 2 (CD115) £19.99

World of Clipart is a double CD-ROM containing around 40,000 mono and colour clipart images contained in over 100 catagories in IFF, GIF, PCX, CDR, EPS, TIF, & BMP. Tools for converting images to another format are included for both the PC & Amiga. Subjects include : Animals, Anatomy, Babies, Men, Women, Trees, Reptiles, Insects, Xmas, Religious, Planes, Vehicles, Ships, Toys, Zodiac signs, Eye catchers, Humour, Cats, Dogs, Computers, Technology, Sealife, Space, Symbols, Royalty, Dinosaurs, Plants, Nature, Ads, Tools, Astrology, Hands, Birds, Business, Office, Workers, Cartoon, Lion King, Education, Food, Gardening, Holidays, Houses & Buildings, Helicopters, Children, Banners, Medieval, Military, Monsters, Music, Sports (football, golf, Aerobics, Olympics, etc), Transport, Trains, War and more. *Rated 94% AF*

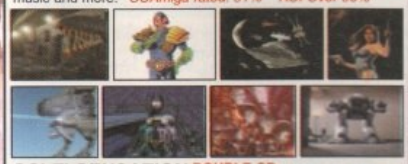
WORLD OF CLIPART *Plus* DOUBLE CD (CD77) £17.99

Essential utilities is a collection of the most useful tools available. Categories include: graphics converters, text, music tools, Printer drivers, Virus killers, memory utilities, Emulators, Business applications including Wordprocessing, database, spreadsheets, diary systems,etc.

ESSENTIAL UTILITIES Volume One (CD74) £9.99



SCI-FI Sensation is an exciting new CD-ROM containing over 1.3GIG of SCI-FI images, animations, 3D objects, Sound FX, Documents, Themetunes, Scripts & SCI-FI games. Subjects included are: Babylon5, Startrek (The original, TNG, Deep Space 9 and Voyager), Batman, Dr Who, Thunderbirds, Robocop, Sea Quest DSV, Bladerunner, Aliens, Terror hawks, 2001. Blake7, Battlestar Galactica, Tron, Total Recal, 2010, Space 1999 etc. Hundreds of miscellanous SCI-FI images, sound fx, SCI-FI music and more. *CUAmiga rated: 91% AUI Over 90%*



SCI-FI SENSATION DOUBLE CD (CD118) £19.99

FREE CHOOSE ONE OF THE FOLLOWING CDROM TITLES FREE! WITH ALL ORDERS OVER 25.00

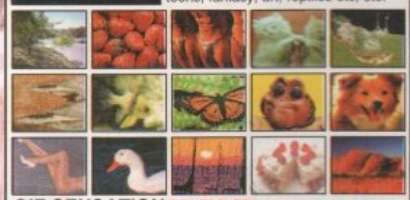
FCD49X. *LUCKY DIP VOLUME ONE*
FCD54. *ILLUSIONS 3D*
FCD74. *ESSENTIAL UTILITES*
FCD12. *HOTTEST 4*
FCD47. *PRO FONTS & CLIPART*
FCD60. *MULTIMEDIA MANIA*
FCD159. *SUPER CARS '95*
FCD163. *LUCKY DIP VOLUME TWO*

FREE PHONE: 0500 ONE FREE ONE 486
At the time of ordering please request your free CD you require.

If your into Horror then this original CD ROM will please you no end. It contains Thousands of gruesome images, tons of gory animations. Bloody games. Spine tingling horror type sounds, Horror stories, Eariee music modules. Pictures & animations from hundreds of horror films and heaps of *real-life* blood`n`guts. (over 18 only)

HORROR SENSATION NEW (CD144) £19.99

Over 7000 royalty free colour images. Subjects include: cats, aviation, animals, people, hi-tech, space, cars, trains, textures, nature, sports, pin-ups, boats, flowers, plants, seasons, birds, technology, raytraced, cartoons, fantasy, art, reptiles etc, etc.



GIF SENSATION DOUBLE CD (CD128) £19.99

Arcade Classics is an original collection of ALL your old arcade favourites, Including Amiga & PC veriations of : PACMAN, SPACE INVADERS, ASTERIODS, MISSILE COMMAND, PENGO, FROGGER, LOAD RUNNER, GALAXIANS, DONKEY KONG, NUMEROUS TETRIS GAMES, BATTLEZONE, TEMPEST, COMBAT, TRON, SPACE WARZ, THRUST, Q-BERT, HUNCHBACK, MOON PATROL, TRAIL BLAZER, BREAKOUT, CENTREPEDE, CYCLES, BEZERK, SNAKE, SCRAMBLE, PING PONG, BREAKOUT, NUMEROUS C64 CONVERSIONS, A COLLECTION OF JEFF MINTER GAMES AND HUNDREDS MORE. Over 600mb of unforgettable retro-gaming. Floppy drive required, Keyboard recommended.

ARCADE CLASSICS *Rated 87% AC* (CD76) Now £14.99

THE EPIC COLLECTION

Contains our most popular floppy based software titles on one giant CD-ROM. Now you can purchase the entire Epic collection in one go. This compilation contains hundreds of megabytes of Amiga software. subjects include: Professional mono clipart, colour clipart, numerous 3D objects for Imagine & Lightwave, Colour, Bitmap, Compugraphic fonts & Adobe fonts, Graphics converters, Music tutorials, Beginners guide, 3D stereogram generators, Hundreds of Sound FX and samples, Virus Killers, Hard disk installer & tools, Various Hardware projects, A number of classic demo`s, Hundreds of games including Shoot`em ups, Mind teasers, Puzzle, card, arcade and board games. The latest Assassins games, Emulators and the latest LSD utilities are also included. *Supplied with printed Index.

THE EPIC COLLECTION v2 NEW PRICE!!! (CD100X) £19.99

Retro gaming at it`s best. Around 5000 all-time classic spectrum game files on one CD-ROM. Emulators included for the Amiga, Mac, Atari ST & PC (dos & Windows). Games include Manic Miner, Skool daze, Monty mole, Startrek, Thrust, Jet Set Willy, The Hobbit, Strip Poker, Danger Mouse, The Sentinel, Micro Olympics, Under Wurlde, Uridium, Atic Atac, River raid, Barbarian, Hunchback and around 5000 other classic spectrum game files including *multi-load* games. Speccy part 2 also contains hundreds of documents containing instructions for most games aswell as hundreds of speccy game cheats. Keyboard required.

Rated: *AF GOLD 95% - CUAMIGA 91% - AUI Over 90% - AC over 90%*

SPECCY SENSATION 2 (CD119) £17.99

Features hundreds of all-time classic C64 programs, Over 10,000 commodore 64 Megademos, over 30mb of classic C64 game tunes and more.

C64 SENSATION (CD120) £19.99

The Grolier electronic Multimedia encyclopedia contains thousands of pages of information on every subject, with Thousands of great colour photographs and illustrations and hundreds of sound clips from the BBC this CD-ROM is an essential purchase for all CD-ROM users. *Rated 97% AC - 94% AF*

GROLIER ENCYCLOPEDIA Version 2. (CD46) £26.99

A complete reference library of occult, esoteric, fringe and alternative reality. 40 million words in over 2300 text files. Covers UFOS, Aliens & coverups, The JFK conspiracy, police, Alternative medicine , tarot, palm reading & more.

2000 GREAT MYSTERIES (CD136) £21.99

The 5th Dimension is the 5th disc of the 17bit collection. contains over 600mb of new data. catagories include: Thousands of tools, games, demo`s, music modules, AGA software.

17BIT 5TH DIMENSION (CD157) £19.99

Adult Sensation Volume One contains over 4,000 high quality colour photographs of glamour girls. This CD will take you months to ponder through. Only suitable for persons over the age of 18.

ADULT SENSATION (CD01) £19.99

The largest collection of Magic Workbench Icons, Backdrops and tools ever compiled. Includes well over 5,000 Icons, hundreds of Magic WB backdrops, and megabytes of WB desktop enhancer tools. (CD152) £9.99

MAGIC WORKBENCH ENHANCER

Lottery Sensation is a compilation of basically every Amiga Lottery predictor freely available, and dozens of documents with previous draws, statistics etc, etc. Increase your chance of winning Millions!!!!.

LOTTERY SENSATION (CD147) £9.99

Lucky Dip volume 2 contains stacks of games, demos, clipart, fonts, music, tools, graphics utilities, Animations, Sound FX, Samples, and loads more. (now with Amiga front end) *A bargain!*

LUCKY DIP Volume 2 (CD163) £5.99

Graphics Sensation is a collection of the best graphics tools, 24bit images, animations and Imagine & Lightwave objects. Plus hundreds of texture files. *Rated 85% CU*

GRAPHICS SENSATION (CD02) £19.99

This CD contains almost 100 variations of the worlds most addictive and loved game. Nearly all the games are ready to run directly from CD, and archived versions are also included.

NOTHING BUT TETRIS (CD148) £9.99

Open Monday-Saturday
Please make cheques payable to: EPIC.
P&P in UK = £1 per title
Overseas P&P = £2 per title
Free colour CD list available

FREE PHONE Order line:
0500 131 486
Order / Enquiry line. **01793 514188** Fax: 01793 514187
EPIC Marketing, 138-139 Victoria Rd, Swindon, Wilts. SN1 3BU. UK

EPIC MARKETING (AUSTRALIA)
If you live in Australia or New-Zealand you can now purchase any of the above CD ROM titles from our Sydney based premises. Send your orders or enquiries to:
Tel: (02) 520 9606
Fax: (02) 520 6077
EPIC. 36 Forest Road, Heathcote, NSW. 2233. Australia.
Please make cheques payable to A. SPITERI
For a Price list please send a SAE. For prices in Australian $$$ simply double the UK £££ prices listed.

SYSTEM
review

GRAPHICS 51%
SOUND 59%
GAMEPLAY 47%
OVERALL 48%

The main menu is quite simply the most blandest effort ever. Anyone know any different? Nope, didn't think so

The City boys are in full effect and ready and willing to put a couple or few past the Blackburn. Well, it might happen! They did last season

PUBLISHER
Impact Software

DEVELOPER
In-house

PRICE
£24.95

DISKS
1

HD INSTALL
No

SUPPORTS
All Amigas

Reviewed by Andy Maddock

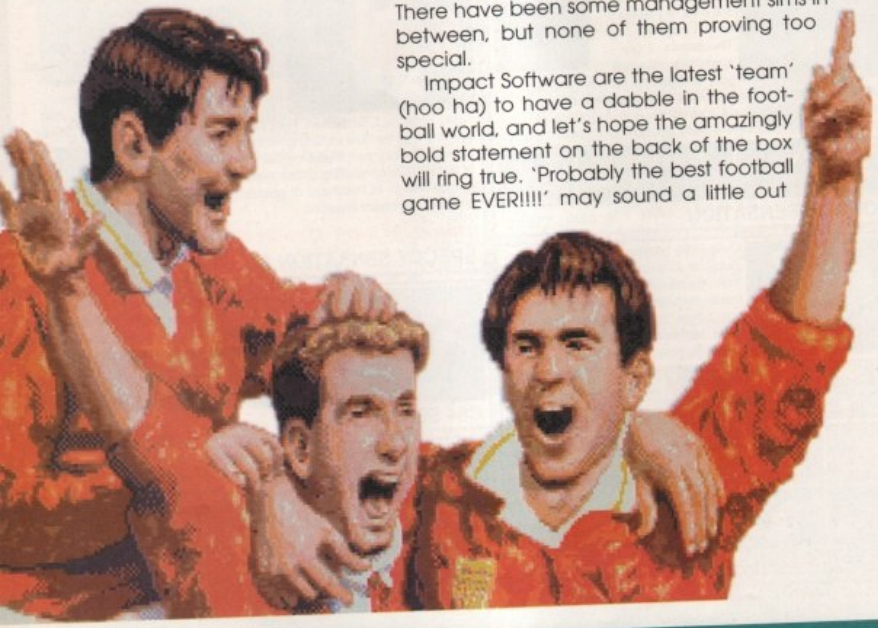
Team

Believe it or not there's actually been a slight decline in the amount of football games recently. The last decent one we saw was Player Manager 2 and that was a good few months ago. There have been some management sims in between, but none of them proving too special.

Impact Software are the latest 'team' (hoo ha) to have a dabble in the football world, and let's hope the amazingly bold statement on the back of the box will ring true. 'Probably the best football game EVER!!!!' may sound a little out of context, considering that Team – at its best – could quite possibly be the poor man's SWOS, although now Sensi Soccer is cheaper, it's more like a rather rich and very stupid man's SWOS.

On the back of the box there is all sorts of blurb that certainly doesn't quite ring true. In fact, you'd be forgiven for taking a second look at the box after a minute or two of playing – probably thinking they've put a different game in the box. Then, following the humiliation of the retailers confirming your misery, you'd have to go home and squeeze £25's worth of entertainment out of it.

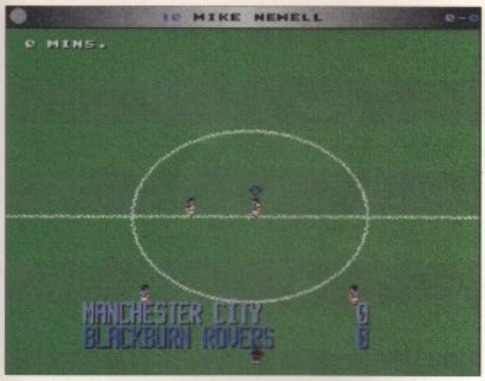
My idea of reviewing a game is to play it to absolute death until I've managed to scrape down enough advantages and disadvantages as to why you'd spend a good £25 on that particular game. Well, Team did come up with many disadvantages, but I couldn't actually think of any advantages – at all. This is quite disappointing because I tried so hard too. The nearest I came to an advantage was the music – which is only just above average in quality – along with the collision detection between the ball, boards.



Manual! What manual?

To give you an example of what Team contains and how many options there are, the manual that comes with the game has only four black and white printed sides. It's actually difficult to call it a manual as it could quite easily be mistaken for a pamphlet of some description. So, not only have you made one trip to the shop to see if it's the right game, you're probably going to go back again and ask for the manual, and unsurprisingly, more humiliation will follow: 'Look there it is, it's hiding behind that rather more prominent and colourful piece of advertising rubbish that no-one ever reads.'

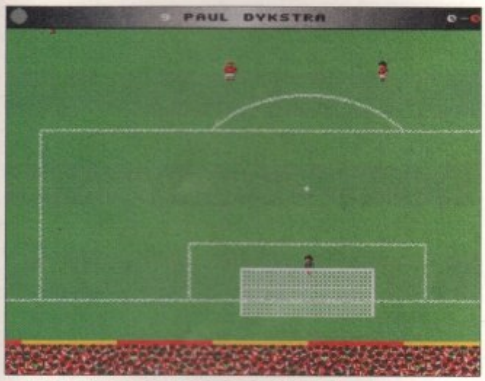
You get to edit all the teams, so you can put big Stan in yourself! I don't know why he wasn't included anyway



Ready for kick-off at Ewood Park, let's hope Bally's got a few tricks up his sleeve. Squeak, squeak indeed

Ian Marshall, ooh he's the best player in the entire world. He'll certainly score that – right in the top corner no doubt!

The manager's bench is probably the most direct copy from Sensible Soccer ever seen. Well, if it works, why not use it



Paul Dykstra? Right, that's it! He's not a striker, he's left the club, and once more, his name isn't Paul... Jeeesus

players and the goal. There are too many disadvantages to mention. Oh, alright then.

The player sprites are absolutely awful. It's unbelievable to see the sprites crawling across the screen with a slight flicker that is supposed to be them running quickly. If there is one aspect that does make it look good then it's the scrolling – it's fast and smooth but doesn't really stand out because of the appalling sprites. It really is unplayable as far as football goes.

The idea of football is obviously to score more goals than the opposing team but as soon as you kick off in this game, the opposing striker will receive the ball and consequently run all the way to your goal, hammering it past your keeper every time – well, until the final whistle gladly rings out to signal the end of a 25-0 thrashing. It seems a bit ironic for this to happen because the actual title of the game is 'Team.'

You can play a league, cup, or simply a friendly, but for a football game today, this simply isn't good enough. The major fault of this setup is that there isn't anything to aim for or any reward at the end.

> ‘as soon as you kick off, the opposing striker will **receive the ball** and run all the way to your goal, **hammering it past** your keeper every time’

Final word

I can't really, and don't want to, explain how this compares to Sensible Soccer, I think Impact Software would do well to re-think their strategy and make plans for a sequel that would help us forgive and forget. To be fair, they've got the basics, so if they can improve on them, who knows. However, as it stands, it's just one of those games that will probably disappear into nothing – never returning. Hurrah!

Yeurk, lots of green scary stuff and horrid computer things. Mummmeeeeey...

Change the screen size according to your machine – the smallest window is a bit useless though

RAPHICS 62%

OUND 70%

AMEPLAY 63%

VERALL 70%

PUBLISHER
Kompart

DEVELOPER
Arrakis

PRICE
29.99

DISKS

HD INSTALL
No

SUPPORTS
All Amigas 1Mb+

Poor Andy, the guy seems to have done nothing but review Doom-clones since he started here. And feeling rather generous, plus wanting to get all my copy in early so I can dash off on my exotic Winter holiday, I decided to review the first game that came out of the morning's post. It was Citadel, and rather than palming it off on Andy because, let's be honest, I don't know my rocket launcher from my rifle, it was time to brave the Doom clones.

After a cinematic-style intro, you are plunged into the thick of the action with no weapons, no thermal vest, and left with only your wits to survive. Things look pretty horrible already, with dismembered bodies hanging from the rafters and nasty sharp-toothed baddies all clamouring for your blood. First thing on your mind, if you're to get out of this hell hole in one piece, is to find some sort of a gun. Then you must kill all the enemies, destroy the Citadel, and make a hasty exit. To do this you must find the six pieces of an annihilation bomb scattered around the levels, put it together, and Bob's your Uncle, so the expression goes.

One scary, angry looking monster, close-up. I'm outa here...

> The puzzle angle is quite nice, but there were far **too many niggles** here to make me want to carry on playing

This was all rather alarming to me. Please bear in mind, this is my first confrontation with these new Doom clones, and what became even more alarming was that as I tried to move around my new surroundings, I was being penalised for doing so.

Well, put it this way, every time you touched a wall, banged into a blooded corpse or other such obstacles, you lost some of your precious life energy. This doesn't happen on Gloom, Fears or Alien Breed 3D, so why have they decided to do this here? If they wanted to make things doubly hard for the player, I'm

Tell me a story

Set in space, in the future (yawn), you are the last remaining survivor of Scout 01, and have been sent to investigate some of the weird goings on happening at a space base called Citadel. Now your companion has been destroyed by a missile and you're left on your own.

The base you are exploring was originally a communications and defence system set on a distant planet. However, following a galactic expansion the military base there lost significance and became just a fuelling point for galactic travellers, but because the colony was miles from anywhere this did not last, and it was soon turned in to a penal reform colony.

Some time later, the colony was officially closed because it lay in the path of a meteor storm – it was later found that this was pure fabrication from the Military Galaxy Council who had other plans for it. Laboratory equipment was shipped over and the inmates were subjected to dangerous experiments.

In 2305, however, communication between the planet and Earth ceases so it is decided that a ship should be sent to find out what has happened. And that's where you come in.

The cinematic intro sets the scene well

Mmm, a dismembered body increases your pants-filling factor

Citadel

Reviewed by Tina Hackett

sure they could have found another, less irritating way.

However, when you get used to this, you do find it's not a bad game. You can change the size of the windows and select the detail level to configure the game to your machine – even with high levels of detail on you still get quite a fast game. There is an Easy or Hard option and also a training mode for those who need a bit of practice.

Weapon-wise there is a good selection that will keep even the most hardened gun fetishist happy. As well as your standard gun, you can collect a flame-thrower, rocket launcher and a machine gun. You can also find First Aid Kits and even beer which will affect your character's balance.

As usual, as well as dealing with the enemies, you will also have to solve puzzles which include finding the right magnetic cards to open doors, moving walls, blockades, and various teleports. Enemies are of different intelligence, so creating fighting tactics is also possible. Graphically, the game is up to the same standard as the other Doom games. There is a good cinematic intro, though, which launches you into the plot nicely and the corridors are clear enough to walk round and actually see what's going on. The atmosphere is enhanced with dramatic tunes throughout and the usual explosions, gunshots and yelps.

Yeurk, dead already! A screen which you'll become all too familiar with

The puzzle element gives you a bit more of a challenge such as finding cards for doors

Final word

Citadel is a good game in its own right – the problem arises however, when you compare it to the other Doom games that have gone before it. This looks the part but unfortunately, because you are continually damaged by walking into walls (yes, even though this is realistic) it does nothing to enhance the gameplay and just continually aggravates the player.

The puzzle angle is quite nice, but there were far too many niggles here to make me want to carry on playing. Continual disk-swapping is also very tedious. Try the other first-person perspective shoot-'em-ups on the market first because although this is by no means the worst game, it's definitely not the best.

Clones

Doom, Doom, Doom. Just in case you're not sick of hearing about it, here are the previous clones on the Amiga.

Alien Breed 3D 91%: Alien Breed 3D is and always will be one of the finest Doom clones on the Amiga.

Gloom 81%: As soon as you fire a bullet at one of the opposing soldiers they will burst into little bits and leave an awful mess on the floor.

Fears 92%: The atmospheric sounds are fantastic, truly setting the scene and preparing you for a trip into the unknown.

Behind the Iron Gate 64%: I will warn you that if you decide to invest you will be wishing for Doom as you play it.

Yet to see
Speed (won't be ready for a while yet)
Ubek (a Polish release, or so I'm informed)

Thomas the Tank Engine's Pinball

Reviewed by Andy maddock

GRAPHICS 89%
SOUND 91%
GAMEPLAY 87%
OVERALL 88%

After a season of Thomas the Tank Engine repeats, the famous steam engine's career must almost be at a close. The only thing left after years of showbiz fame is the inevitable drink – or daytime television. But no, none of these will ever happen to him. Not because he's simply an animated character who has no real existence in the world, it's because he's coming to the Amiga. Not only has he already featured in a racing game, he's following it up with one of the most unpredictable of titles, Thomas the Tank Engine's Pinball.

Yep, Thomas, James, Percy, Toby and that bus are all coming to the Amiga in a series of titles from Alternative Software. We can't wait!

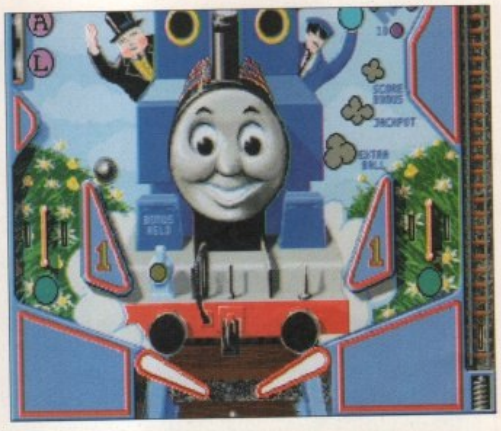
I was never a big fan of TTTE because I never used to get home from school in time to see it. However every Christmas, sure enough, under the tree there would be a large, book-like package with a small bulge in one corner. It had to be, and was, a Thomas the Tank Engine colouring book with about three crayons stuck to the front cover. Ooh, it was endless hours of fun, and this is the exact point where my hate for the show began.

The most annoying fact about the cartoon was that it was one of those alliterated animated titles such as Percy the Pigeon that's supposed to make cartoons more fun to watch – so they say!

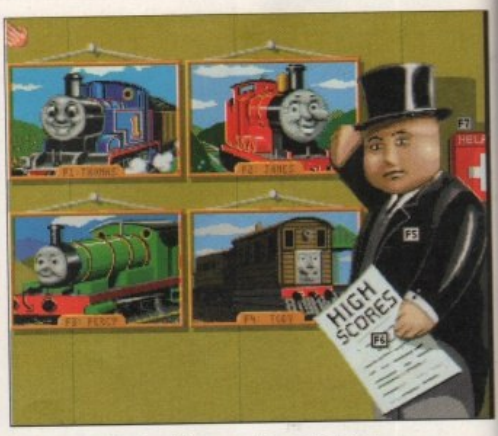
It's difficult to believe that so many people were captured by a blue train trundling around all day doing absolutely nothing useful apart from trying to find little Percy. Why did he always go missing! He must have been working for British Rail or something. Not only that, but why did the hardest and most arrogant train, James, kick up a fuss all the time and end up doing something naughty and dangerous. And what's that fat bloke all about... jeeeeez. You can give me Tom and Jerry any day

Universal appeal

I can't see a point in explaining the rules of Pinball and the actual object because I know deep down you don't really care. However, I have to admit that I did find playing TTTEP quite enjoyable because of the excellent novelty effect. It says on the box it's for age three and upwards years, but it'll probably appeal more to the older amongst you because of the authenticity of original theme music, along with the eight-player option and the three levels of difficulty.



On the Thomas Table, not only will you have to put up with the tinkly piano theme tune, but also a big cheesy face from Thomas himself!



Each table has its own character and respective colours. James is red, Percy is green, Thomas is blue and Toby is brown

PUBLISHER
Black Legend

DEVELOPER
Kellion Software

PRICE
£29.99

DISKS
2

HD INSTALL
Yes

SUPPORTS
A1200

The options screen actually contains some little icons and graphics which makes it far more interesting

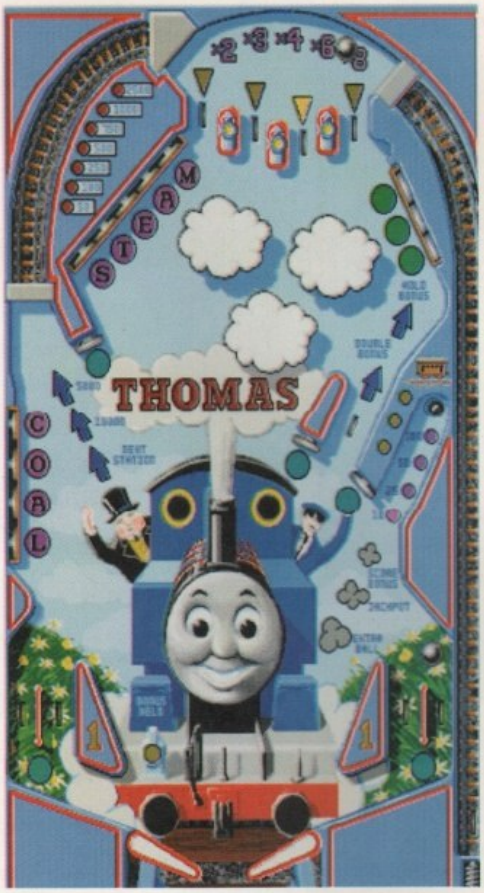
The in-game graphics are surprisingly good, although it may not be as polished as Illusions and Obsession

of the week! The idea behind this rather promising title is to bypass the oh so, cool and trendy feel which was Pinball Dreams, Fantasies, Illusions and Obsession – apart from the fact they all sound like famous fragrances, although 'Thomas Tank' the new fragrance from a famous French company could well spark up some interest. I wonder what it would smell like? Essence of steam engine? Hmmm.

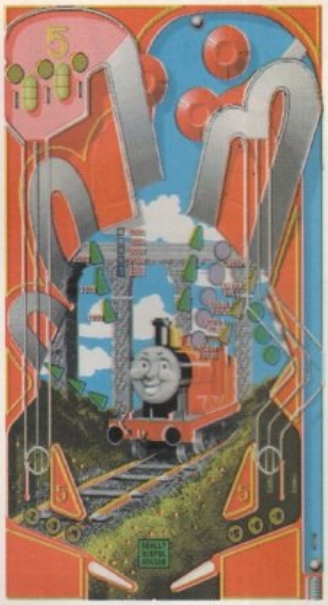
I suppose I'd better let you know now that I'm not the greatest lover of Pinball – I believe it's a dreary old game that's for less than popular individuals who prefer to hide away in a dark corner of a drinking residence gladly plunging their coins into what seems like an arcade machine with about three inches sawn off the front legs. It seems fitting that once, some guys had 100,000 steel balls drop on them from above after the main machine upstairs had overloaded! I hope that persuaded them to try something far more worthwhile.

Right, back to the subject in hand. As usual there are these tables with funny buzzers and things, and the idea is to spring a steel ball into the main area and blast hell out of it with these oddly shaped bats – collecting as many points as you can in the process. There, I summed that up quite well, don't you think?

You can play on the Thomas, Percy, James or Toby Tables and each one has its varying amounts of buzzers and point scoring bonuses. As there are only four tables, more experienced players will



The Thomas table, as you can see, contains lots of buzzers, tubes, and other bonuses for you to hammer the ball against



James' table contains more tubes than buzzers and generally looks more fun than the other three

> 'I have to admit that I did find playing TTTEP enjoyable because of the **excellent** novelty effect'

become bored after a short while. Other than that, TTTEP features some excellent presentation along with gameplay, and should offer you a new novelty feature which is far more enjoyable than the other Pinball creations.

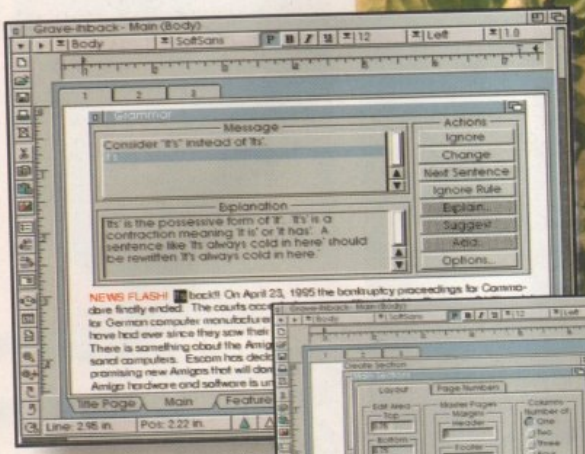
Final word

Just take no notice of the age range on the box. It doesn't matter how old you are, you'll still get your money's worth – it's all a matter of personal opinion. If you really are a massive fan of Pinball, then the other series of Fantasies, Illusions and Dreams would probably suit you more – probably because it feels more like real Pinball. However, if you're looking for something a little different with a novelty effect, look no further than Thomas the Tank Engine's Pinball – it's a treat!

ERFECTION

Final Writer 4

The Root to Quality Word Processing



Already the Amiga's most powerful word processor/publisher, new Final Writer 4™ now introduces a unique user interface that's simpler and even more productive to use than any other.

With our new **ClikTabs**™ actually in the document window, navigating through the pages and sections of your work couldn't be easier!

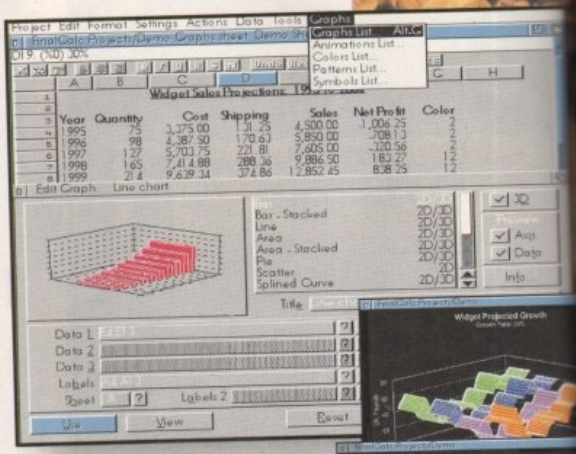
Equally as revolutionary, is the new built-in **CorrectText**™ grammar checker making Final Writer 4 the only Amiga word processor that reads, spells and checks, your document actually helping you...

WRITE TO PERFECTION!

COUNTING ON THE BEST

Final Calc

A new branch on the SoftWood Family Tree



New Final Calc™ is the spreadsheet Amiga owners have been waiting for. Over four years in the development stage, Final Calc has all the power you will ever need - and then some!

With its friendly interface and on-line help for beginner and expert alike, Final Calc allows easy access to the most extensive list of features ever - including...

- Comprehensive Cell Type definition
- Unlimited Undo & Redo
- Outline Font Output
- Background Re-calc
- 178 Maths Functions with comparison/logical operators
- Direct support for PostScript™ & Preferences Printers
- Print Spooler, Scaling, Auto-fit, Page Preview and Portrait/Landscape printing options
- 2D/3D Graphs with animation
- Read and Write Lotus 1-2-3 .Wk1 files

COUNT ON THE BEST!

Once you've completed your order form, either post or FAX it to us.
Please remember to include your telephone number(s).

Mr/Mrs/Miss/Ms: | Initial(s): | Surname:

Address:

County (Country): | Postcode:

Daytime Phone: | Evening Phone:

Please rush me...
__ Final Writer 4™ @ £74.95 inc. p&p £____:__
__ Final Calc™ @ £99.95 inc. p&p £____:__
__ Final Data 3™ @ £39.95 inc. p&p
__ Optional FAST Courier Service Delivery £ 6:95
(Overseas customers - please call for prices/delivery etc.) TOTAL £____:__

Card holder's signature:

Card No:

Expiry Date: | Issue No (Switch Only): | Dept: ACO-ADPS

Cheque/Bank Draft/Postal Order for £____:__ payable to Gordon Harwood Computers Limited...

***Help on system requirements:**
Our products are the most economical in their use of system resources. Like others, we quote the minimum required to load our software - but please note that, as with all programs, more memory or later versions of Workbench may be required to access all features fully. If in doubt, please ask.

We will be delighted to advise of your ideal system requirements and answer any queries you may have.

If you wish to place your order or would just like further information about any title from the great SoftWood family for the Amiga, please call our

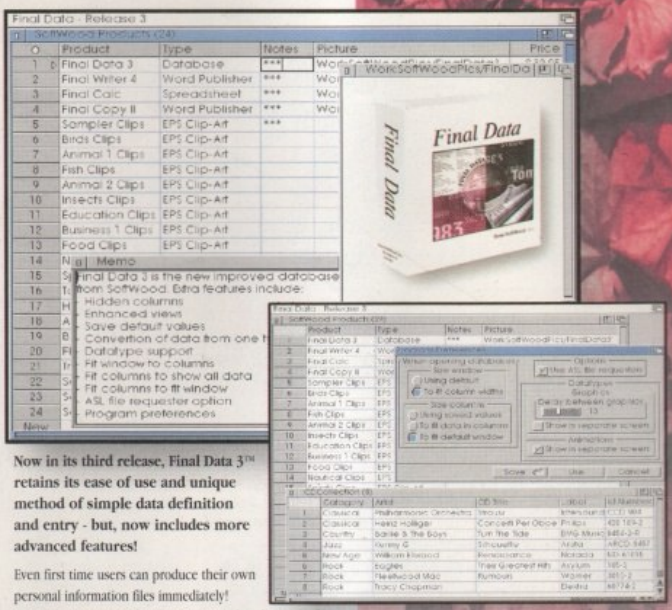
Order Line on...

01 773 521606

PERFECTLY *in* FORMED

Final Data 3

A Cultivated Approach to Data Management



Now in its third release, Final Data 3™ retains its ease of use and unique method of simple data definition and entry - but, now includes more advanced features!

Even first time users can produce their own personal information files immediately!

As you become more familiar, you can take advantage of... •Running Calculations •Multiple Line Memos •An extensive Query Requester and... NEW Final Data 3 features such as, •Hidden Columns •Redefinition of Data (eg. from Text to a Memo column) •Graphics, Sound and Animation (Requires use of Datatypes found in Workbench 3.0 or above).

PERFECTLY *in*FORMED!

The SoftWood family of quality software goes from strength to strength with three new and enhanced programs that really will create a new growth in productivity on your Amiga.

***Final Writer** 4 has built on the already extensive feature list of previous versions with innovations that take this great word processor into a new era. With a completely redesigned interface Final Writer is even easier to use and offers more functionality than ever before. **Final Calc** is a totally new addition to our range and redefines the way a spreadsheet should work. Already magazine editors are singing it's praises for the way the program is fast and intuitive whilst offering a range of advanced features that are easily accessed by even novices to the spreadsheet world. **Final Data** 3 has undergone a major upgrade with improvements that have extended its capabilities whilst retaining unique, easy data entry techniques.*

Isn't it time you started to climb the SoftWood Family Tree?

Who else but the World's leading Amiga home & office productivity software developer could offer you such a wide range of award winning programs?
A range acclaimed as the best for your computer with individual programs having received Amiga Format Gold, Amiga Computing Blue & Gold Chips, CU Amiga Top Rated and many, many others worldwide.

Final Writer 4™

Word Processor/Publisher

The most powerful Amiga word processor for users needing the highest performance and most comprehensive range of features.

- TextBlocks™ - to position text at any size and angle
- FastDraw Plus™ - versatile selection of graphics tools
- TouchTools™ & PowerUser Bars™ - One touch commands
- PerfectPrint™ - You just can't print better on your Amiga
- French, German and Norwegian dictionary options
- Output PostScript™ fonts & clip-art to all graphic printers Supplied with 100 images and 120 outline font FREE!

£74.95 *Inc. p&p*

**Amigas running Workbench 2.04 or later with a hard drive and a minimum of 2.5Mb of free RAM - More recommended.*

Final Copy II™

Word Processor

This powerful alternative is the ideal companion for Amiga users with single or twin floppy drives and a lower memory size.

- PerfectPrint™ - an advanced system that enables you to output PostScript™ smooth fonts to ANY printer in both landscape and portrait modes
- FastDraw™ - on screen drawing tools for creation of boxes, lines, borders, arrows etc.
- Other features such as newspaper columns and import of graphics and pictures with scale, crop and autoflow text

**Amigas running Workbench 1.3 with floppy or hard drives and a minimum of 1Mb of free RAM (HDs - 1.5Mb) - More recommended*

~~£49.95~~ **£34.95** *Inc. p&p*

Final Data 3™

Database

A powerful yet simple to use database with extensive features enhancing your potential to store important information EASILY.

- Easy definition of columns for categories of information such as name, house number, street, town, county, postal code, phone number etc. - no unfamiliar commands!
- Built-in routines for rapid label printing
- Print/mail merge with word processors
- 'Memo' feature, acting like a 'Post-It' note, to enter large amounts of text within any record

£39.95 *Inc. p&p*

**Amigas with floppy or hard drives running Workbench 1.3 or later and a minimum of 512K of free RAM (HDs - 1Mb)*

Final Calc™

Spreadsheet

The answer to the spreadsheet users' dreams! With its flexible modes of operation, it's ideal for beginners and experts alike.

- Layered sheets for multiple linked spreadsheet operation
- Advanced Printing and font handling with auto-fit to page(s) and complete document scaling
- Vast choice of graph styles including 3D and animated to show calculation results actually as they progress
- Unlimited number of Undo and Redo events with listing
- Lotus 1-2-3 .WK1 compatible & full text file import/export

**Amigas running Workbench 2.04 or later with a hard drive and a minimum of 2.5Mb of RAM - More recommended*

£99.95 *Inc. p&p*

SoftWood ...Naturally Better

SoftWood Products Europe Limited,
(Department ACO-ADPS),
New Street, Alfreton, Derbyshire. DE55 7BP
TELEPHONE: 01 773 521606 FAX: 01 773 831040

SoftWood Inc. United States +1 602 451 0949 · *Emerald/Quasar Australia +61 3585 2055* · *Oberland Germany +49 6173 65001* · *C.I.S. France +33 57 89 11 40* · *ProComp Sweden +46 4727 0845*

SoftWood Registered Users, Remember to upgrade to the latest version for enhanced software performance

AMIGA Snippets COMPUTING

FREE PD SOFTWARE

AMIGA - PC - All Commodore

Call (0181) 651 5436 or
Write to 45 Brookscroft, Linton Glade, Croydon CR0 9NA
Independent Commodore Products Users Group

ONLINE PD

FREE 3 DISK CATALOGUE LISTING 10,000+ PD TITLES

TEL: 01704 834335
Assassin Game Disks 1-256
Fred Fish 1-1000

75P Per Disk

OR SEND S.A.E.
Phone for
Special Pack details

For every 10 Disks ordered choose1 FREE (p&p 75p)

Online PD, Dept. AC1,
1 The Cloisters, Halsall Lane, Formby, Liverpool, L37 3PX.

KEW=II SOFTWARE

Est. 1989

THE BEST QUALITY PD & SHAREWARE

The LEADER –
OTHERS CAN ONLY FOLLOW!

FREE FRIENDLY HELP BY POST or PHONE ANYTIME!
FREE CLUB MEMBERSHIP

PICK YOUR OWN PROGRAMS! BY NAME NUMBER AND SIZE!
IT'S EASY!
500k makes 1 bootable disk!
800k makes 1 non-bootable disk!

FREELY UPDATED CATALOGUE WITH FULL DESCRIPTIONS
INDEX & VIRUS CHECKER ONLY £1!
Phone for the LATEST PROGRAMS!

PO Box 672
South Croydon
Surrey CR2 9YS
Tel: 0181-657 1617

1-3 disks £1.50
4 or more
ONLY £1.25!

FREE P&P

Cheaper Video Titling

For Amiga Beginners – £14.99 inc p&p – overseas £17.99
Tel: 0421-563894
Some programs require WB 2 & 3

The L.C.V.T. Package will contain: 30 minute Tutorial Video VHS format, Captionator 2 Subtitling Program, Inscript 1.1 (not A500, WB2+ only), DTV, Spectrapaint V3.0 Paint Program, Utilities Disk, Copier, Text Editor etc. 2 Fonts Disks, Bitmap & Truecolour. Printed documentation supplied. UK Cheques & Postal Orders only & International orders.

Cheques payable to G.V. Broad Ent.
Dept. AMC1, 43 Badger Close, Maidenhead, Berkshire, SL6 2TE, England

CAPRI CD DISTRIBUTION

Commodore CDTV INTERACTIVE — ALL AVAILABLE TITLES IN STOCK — AMIGA CD32

225+ CD TITLES/150+ CD32 TITLES/80+ CDTV TITLES

NEW RELEASES

Sci-Fi Sensations	£19.99	17Bit Fifth	£19.99
AGA Experience	£19.99	Colour Library	£9.99
Meeting Pearls 3	£9.99	Aminet 8	£14.99
C64 Sensations	£19.99	LSD Tools 3	£19.99
Aminet Set 2	£29.99	Euroscene 2	£14.99
Worms	£29.99	Alien Breed 3D	£29.99
Super Streetfighter 2	£27.99	Exile	£29.99

LATEST SPECIAL OFFERS / LIMITED STOCKS

Hutchinson Encyclopedia	£9.99	Grolier Encyc.	£29.99

SPECIAL OFFER CD32/CDTV BLACK KEYBOARD £39.99

CDTV Disk Drive	£34.99	CDTV Wired Mouse	£24.99

This is just a small selection of the titles & special offers we have. Please write or ring for the latest list. We also stock the complete Almathera, Optonica, PD Soft, Media Team & Weird Science ranges.

CAPRI CD DISTRIBUTION
Dept AC01, Capri House, 9 Dean Street, Marlow, Bucks. SL7 3AA. (Visitors welcome)
TEL/FAX: 01628 891022

TRADE ENQUIRIES WELCOME

BUS STOP PD

Licenseware & Second Hand Games

What do you want from a PD Library?

- 24 Hour Turnaround?
- Possibly the best catalogue in the country?
- Friendly service run by Women?

All this for 90p per disk?

Then send 50p + SAE for our catalogue of 3000 + disks to:

Dept AMC, 2 Wycliffe Terrace, Gilmorton Road, Lutterworth, Leicester, LE17 4DX
Tel: 01455 554982
All major credit cards accepted

ARNOLD COMPUTER SUPPLIES

Box of 50 Blank Disks *(including labels)* **£15** *(per 50)*

Pre Formatted DSHD Disks ..... **£22.50** *(per 50)*
100% guaranteed

13,000 disk PD Library now available
PD prices all £1.00 per disk

Please send £1 or 4 1st Class stamps for catalogue
Free local delivery (10 mile radius)
All your computer needs catered for
Please phone or fax for latest prices

Barry Voce
0115 9264973
11 Campion Street, Arnold, Nottingham NG5 8GR

WINTER SALE

DON'T BE DECEIVED by our small advert. We are now in our fifth year of trading and stock thousands of PD titles (from only 60p).

For a **FREE CATALOGUE DISK** listing all our titles and **WINTER SALE SPECIAL OFFERS**

Send SAE to: PATHFINDER PD (AMC), 41 Marion Street, Bingley, West Yorkshire BD16 4NQ. Tel/Fax: 01274 565205

JUST SOME OF OUR LOW PRICES:
A1200 Dust Cover £1.99
17 Bit Fifth Dimension CD £16.99
100 Disk Labels £1.45
LSD CD Vol. 3 £16.99

Post & Packing for orders under £6 is just 60p and FREE for orders over £6

AMIGA BOOKS FROM DTBS

Total! Amiga Workbench 3	£19.99
Total! Amiga AmigaDOS	£21.99
Total! Amiga Assembler	£24.99
Mastering Amiga Beginners (WB 1/2)	£9.95
Mastering Amiga Beginners (WB 3)	£19.95
Mastering Amiga DOS 2 Vol 2 (Reference)	£19.95
Mastering Amiga Printers	* £19.95
Mastering Amiga System	* £29.95
Mastering Amiga AMOS	£19.95
Mastering Amiga DOS 3 Tutor	* £21.95
Mastering Amiga DOS 3 Reference	£21.95
Mastering Amiga DOS Scripts	£19.95
Mastering Amiga Programming Secrets	* £21.95
Amiga A1200 Beginners Pack	£39.95
Amiga A1200 Workbench Pack	£39.95
Amiga Gamers Guide Vol 1	£14.95
Amiga A600 Insider Guide	£14.95
Amiga A1200 Insider Guide	£14.95
A1200 Next Steps	£14.95
Amiga Disks & Drives	* £14.95
Amiga Workbench A to Z	£14.95
Amiga Assembler Insider Guide	* £14.95
Amiga Hardware Ref. Manual (2nd Ed. WB1.3)	£9.95
Amiga ROM Kernal: Includes (2nd Ed. WB1.3)	£14.95
Amiga Hardware Ref. Manual (3rd Ed. WB2)	£25.95
Amiga ROM Kernal: Includes (3rd Ed.)	£34.95
Amiga ROM Kernal: Libraries (3rd Ed.)	£34.95
Amiga ROM Kernal: Devices (3rd Ed.)	£25.95
Amiga Real-Time 3D Graphics	£14.95
Computers & Chaos Amiga Edition	£14.95
Amiga Game Makers Manual	£16.95
Amiga BASIC: A Dabhand Guide	£15.95
Secrets of Frontier Elite	£9.95

* FREE companion disk supplied.

FREE postage in UK. Europe airmail & Worldwide surface mail add £1 per item. Airmail outside Europe add 25%.
Access & Visa orders accepted. Tel/Fax 01706 812600.
Send SAE for descriptive catalogue. We also support the Commodore 64. Send for list. We also stock a vast range of PC books.

DTBS (Dept AC1), 7 Castle Lane, Todmorden, Nr. Rochdale, OL14 8AF

NEW ADDRESS

- ☆ Quality Public Domain & Shareware software, including the very best demos, anims, games and utils. Also a large selection of graphic files, 3D objects, samples and modules.
- ☆ New files obtained daily from BBS's around the country and also from the Internet.
- ☆ Over 5,000 disks to choose from.
- ☆ Disks only £1 each, 75p P&P per order.
- ☆ Orders over £10 not inc. P&P receive free Xmas Pack value £5.

Catalogue now available Only £1 inc. P&P

CONTACT: PD CITY, DEPT. AC, PO BOX 29, WIDNES, CHESHIRE WA8 9ZS
TELEPHONE: 0973 508749

ARE YOU MISSING OUT ON THE VERY BEST AMIGA USER GROUP?????

Chic Computer Club offers great discount offers on all computer goods. Thousands of new contacts, free help & advice, gigabytes of free PD/Shareware from our members only BBS. Regular newsletter. Second hand hardware, software bought/sold. Latest product information and member reviews and opinions, and the best fanzines/diskzines and millions of on disk P.D./Shareware titles at unbelievable member only prices.

Find out what you're missing by sending an SAE for our FREE intro pack to:

C.C.C. (AC1), P.O. Box 121, Gerrards Cross, Bucks, SL9 9JP. (01753) 884473

Also still available for modem owners our famous Internet sample pack: Over 35 hours of Internet access time with FTP WWW gopher email telmet IRC for 1 year just £20!!! Plus your own Internet pages from £10, and Internet and Club classified adverts from £5.00. See Chic at http://www.uk-main.com/main/chic
We also offer groups for IBM/Apple/Atari/8 Bits/Consoles/Fantasy/SCI Fi Gamers and Midi Music users
Trade and Dealer enquiries welcome. Plus FREE publicity for new software/fanzines etc. Contact us now!!

Amiga PD

S&S

Tel/Fax 01942 497928 or 01695 625063

We stock all the latest Public Domain software and more besides! Send an SAE and a loose stamp for your FREE catalogue disk.

PD prices 1-10.....80p; 11-20.....70p; 21+.....60p *P&P FREE*

We also sell & fit Hard Drives, Blank Disks and other peripherals. We use only new Fuji Disks & all orders are sent by 1st class post.

S&S PD. (Dept AC) 248 Gidlow Lane, Wigan, Lancs WN6 7BN
Amiga enthusiasts catering for Amiga enthusiasts

To place an ad on this page call Barbara Newall on 01625 878888. Free typesetting service available

AMIGA GUIDE

Frank Nord continues his beginners guide to floppy disks – the do's and don't's **112**

Paul Overaa's Assembler column also has a beginners feel to it **115**

Not a lot of people know that Ed has great ARexx interface, but Paul Overaa does **117**

Phil South delves into the vast storehouse of graphics-related Web sites **119**

Are you in breach of copyright? Frank Nord assesses the risks **121**

Mouse and joystick routines in this month's Amos column, presided over by Phil South **123**

Paul Overaa reviews a useful MIDI patch tool – the FT3 Patch Commander Plus **125**

Special effects, fire and lens flare can all be generated easily in a 3D package **127**

Gary Whiteley brings his series on fonts and video to a close with this final installment **129**

Frank Nord does keep going on and on about floppy disks...

medical

Happiness is a formatted disk

So, formatted any disks while I've been away, then? Do they work alright? Good. But I expect you'll be wanting the low-down on what the other options mean in the format requester.

We've already covered the naming of disks and the trashcan, so now we delve deep into the depths of the disk filing system. The buttons remaining are listed as follows: Fast Filing System (or FFS), International Mode and Data Caching, or DCFS. If you have a machine with Workbench 3 or higher, you'll see all these options, if you're using Workbench 2.1, you'll have them all apart from DCFS, and if you are running Workbench 2.04 you'll only have an FFS option.

So what do they all do? Let's look at FFS first. Back in the infancy of the Amiga, when Workbench 1.3 ruled the roost, there was only one file system. It gave you 836K on a double density disk and could be made to boot. When Workbench 2.04 came along it came with a new filing system, FFS, which gave you 878K on a standard floppy.

You could boot from an FFS disk on a Workbench 2 machine, but since there were still an awful lot of Workbench 1.3 machines out there (and still are), most companies still formatted disks for their software without FFS enabled for the sake of compatibility, losing the extra speed and 42K that FFS offered. Even now, a lot of companies still use OFS formatted disks as they are now called, although most serious users have upgraded to at least Workbench 2.

When Workbench 2.1 was released, a new aspect was added to Workbench – foreign language support. It was at this point that Commodore noticed there was a slight problem with case sensitivity for international characters like ß or ü in the disk filing systems that were currently in use, so added the additional international mode for formatting floppies.

I know we used this picture last month, but it is still valid, honest!

Hard drives are treated pretty much like gigantic floppy disks as far as Workbench is concerned

International

In my opinion, seeing that any disk you format might end up overseas, there shouldn't really be an International button – your disk should always be formatted that way. After all, we're all Europeans now, aren't we? (Apologies in advance to any Americans reading this who might take offence.) Neither International Mode nor FFS formatted disks could be used under Workbench 1.3, yet another incentive to upgrade your Amiga which was still ignored by a minority of recalcitrant 1.3 users.

The last option when you are formatting Amiga disks under Workbench 3.0 or higher is Directory caching. Directory caching can be applied to your hard drive with a bit of faffing about, but it's dead easy to format floppies under DCFS. So what does it do? Basically, exactly what it says it does – it caches the directories on your disk. This means you lose a bit of space on your floppies, but does result in noticeably faster reads and writes on floppy disks.

It actually probably isn't worth applying DCFS to your hard drive as hard drives are now up to a speed where DCFS makes no difference, and using it will only lose you some of the space you might otherwise use more productively. If you do format your floppy disks with DCFS turned on, you should know that you are not going to be able to give your disks to anyone using anything less than Workbench 3, as DCFS was only implemented in that version of Workbench.

So that's pretty much it for the formatting of floppy disks. Basically, all you need to remember is to name your disks without spaces, turn off the trashcan, turn on FFS and International Mode (if you are using Workbench 2.04/5 or 2.1), and turn on DCFS as well if you are using Workbench 3.0/1 – unless you need to have full compatibility with all versions of Workbench, in which case you should leave everything off.

Next month, we will be looking at icons, tooltypes and what they all mean, but for now it's sayonara baby and see you next month.

Who are you calling dense?

High density disks can pose something of a problem for Amiga users. With the vast majority of Amiga owners only having a standard double density drive, high density disks are just formatted to half their normal capacity. While this doesn't pose a problem if you are going to be giving these disks to other people who have standard floppy drives, if you were to give a high density disk which has been formatted to double density to an A4000 owner, it would appear to be unformatted or corrupt.

There is an easy solution to this dilemma that doesn't involve making a new set of floppies; the A4000 owner simply needs to put a bit of sticky tape over the hole on the opposite side of the disk to the write protect tab. Unfortunately, for obvious reasons, the operation is not commutative – you can't put tape over the high density hole to allow you to read high density disks on a standard drive!

Dept AC0196
Zone 1 Ltd.
PO Box 69,
Stone,
Staffordshire
ST15 8GH

FREE CATALOGUE
Over **2,000** titles

Zone 1
'the software people'

The price you see, is the price you pay, V.A.T., P&P are ALL included.

Great prices, same day despatch, free gifts, regular prize draws.

Amiga

A0111 A-TRAIN & CONSTRUCTION SET	11.99
A0252 ALIEN BREED SPECIAL EDITION	7.99
A0495 ALL TERRAIN RACER	16.99
A0125 ANOTHER WORLD	9.99
A0507 APPROACH TRAINER	21.99
A0186 ARCADE POOL	6.99
A0137 ARCHER MCLEANS POOL	11.99
A0187 AWARD WINNERS 2	19.99
A0021 B-17 FLYING FORTRESS	11.99
A0159 BATTLE OF BRITAIN	12.49
A0054 BEAU JOLLY COMPILATION	16.99
A0510 BEHIND THE IRON GATE	16.99
A0107 BENEATH A STEEL SKY	22.99
A0507 BIRDS OF PREY	11.99
A0251 BLACK CRYPT	9.99
A0942 BODY BLOWS	9.99
A0501 BODY BLOWS GALACTIC	17.99
A0223 BRIAN THE LION	16.99
A0081 BUBBA N STIX	9.49
A0129 BUMP 'N BURN	19.99
A0514 CADAVER & PAY OFF	11.99
A0519 CANNON FODDER 2	19.99
A0147 CHAMPIONSHIP MANAGER ITALIA 95	15.99
A0185 CHAMPION MANAGER COMPENDIUM	17.99
A0705 CLASSIC COLLECTION (DELPHINE)	17.99
A0745 CLASSIC COLLECTION (LUCAS)	17.99
A0185 COMBAT CLASSICS 2	19.99
A0012 COMBAT CLASSICS 5	22.99
A0227 CORPORATION	9.99
A0518 CRYSTAL DRAGON	19.99
A0083 CURSE OF ENCHANTIA	11.99
A0504 DAWN PATROL	23.99
A0241 DEATH MASK	16.99
A0077 DESERT STRIKE	9.99
A0126 DISPOSABLE HERO	17.99
A0515 DOG FIGHT	12.49
A0250 DRAGONSTONE	19.99
A0167 DUNE	11.49
A0168 ELFMANIA	17.99
A0041 EMBRYO	17.99
A0151 EYE OF THE BEHOLDER (1)	10.99
A0256 EYE OF THE BEHOLDER (2)	10.99
A0195 F19 STEALTH FIGHTER	11.99
A0017 F29 RETALIATOR	9.99
A0951 FIFA INTERNATIONAL SOCCER	22.99
A0002 FLASHBACK	19.99
A0509 FOOTBALL GLORY	17.99
A0188 GRANDSLAM CLASSICS	13.99
A0433 GUNSHIP	9.99
A0084 HEIMDALL	7.99
A0085 HEIMDALL 2	16.99
A0512 HELP	25.99
A0152 IMPOSSIBLE MISSION 2025	19.99
A0509 IND. JONES FATE OF ATLANTIS (ACT)	6.99
A0141 IND. JONES FATE OF ATLANTIS (ADV)	16.99
A0211 IND. JONES & THE LAST CRUSADE	11.99
A0028 ISHAR 3	21.99
A0416 JAGUAR XJ220	6.99
A0586 JUNGLE STRIKE	16.99
A0501 JURASSIC PARK	9.99
A0127 K240	14.99
A0679 MIDWINTER	9.99
A0489 MIG-29 SUPER FULCRUM	9.99
A0501 PREMIER MANAGER 3	17.99
A0050 PGA EUROPEAN TOUR	17.99
A0249 PROJECT X	19.99
A0289 RAILROAD TYCOON	11.49
A0136 ROAD BASH	9.99
A0410 BEACH FOR THE SKIES	11.49
A0566 SECRET OF MONKEY ISLAND 2	12.49
A0549 SENSIBLE WORLD OF SOCCER	19.99
A0250 SETTLERS	16.99
A0010 SHADOW FIGHTER	16.99
A0399 SIMON THE SORCERER	22.99
A0042 SPACE QUEST 4	12.49
A0674 THEME PARK	22.99
A0647 TOWER ASSAULT	12.99
A0194 TRIPLE ACTION PACK VOL 4	9.99
A0108 VALHALLA & LORDS OF INFIN	19.99
A0229 UNIVERSE	19.99
A0151 VOYAGES OF DISCOVERY	19.99
A0041 WEMBLEY RUGBY LEAGUE	16.99
A0245 XENON 2	7.99
A0050 ZEEWOLF	19.99

Educational

A0509 ADI ENGLISH (16-15 YEARS)	16.99
A0510 ADI FRENCH (11-12 YEARS)	16.99
A0511 ADI FRENCH (12-13 YEARS)	16.99
A0513 ADI FRENCH (13-14 YEARS)	16.99
A0516 ADI FRENCH (14-15 YEARS)	16.99
A0525 ADI GCSE ENGLISH	22.99
A0524 ADI GCSE FRENCH	22.99
A0525 ADI GCSE MATHS	22.99
A0526 ADI JUNIOR COUNTING (4-5 YRS)	13.99
A0527 ADI JUNIOR READING (4-5 YRS)	13.99
A0225 FUN SCHOOL 2 (6-8 YEARS)	6.49
A0226 FUN SCHOOL 2 (8 YEARS)	6.49
A0532 FUN SCHOOL 3 (5-7 YEARS)	13.99
A0531 FUN SCHOOL 3 (5-7 YEARS)	16.99
A0533 FUN SCHOOL 3 (7 YEARS)	13.99
A0529 FUN SCHOOL 4 (5-7 YEARS)	16.99
A0530 FUN SCHOOL 4 (5-7 YEARS)	16.99
A0528 FUN SCHOOL 4 (7-11 YEARS)	16.99
A0014 KID PIX	10.49
A0535 NODDYS BIG ADVENTURE	16.99
A0536 NODDYS PLAYTIME	16.99

Amiga 1200/4000

G0250 ALADDIN	19.99
G0004 ALL NEW WORLD OF LEMMINGS	19.99
G0054 BALDIES	19.99
G0052 BANSHEE	19.99
G0055 BIG RED ADVENTURE	24.99
G0701 BODY BLOWS GALACTIC	19.99
G0055 BRUTAL PAWS OF FURY	19.99
G0045 BRUTAL: FOOTBALL DELUXE	15.99
G0058 BUBBIE & SQUEAK	16.99
G0046 BURNING RUBBER	16.99
G0000 BURNTIME	16.99
G0650 CIVILISATION	17.99
G0035 DENNIS	22.99
G0025 DETROIT	22.99
G0036 DREAMWEB	22.99
G0068 FEARS	19.99
G0029 FIELDS OF GLORY	22.99
G0049 FIRST ENCOUNTERS	19.49
G0005 FOOTBALL GLORY	15.99
G0010 GUARDIAN	22.99
G0024 GUNSHIP 2000	22.99
G0026 HEIMDALL 2	22.99
G0950 HIGH SEAS TRADER	22.99
G0054 IMPOSSIBLE MISSION 2025	22.99
G0009 ISHAR 3	20.99
G0959 JAMES POND 3	19.99
G0048 JUNGLE STRIKE	17.99
G0017 KICK OFF 3	19.99
G0787 LION KING	22.99
G0027 LORDS OF THE REALM	22.99
G0019 ON THE BALL LEAGUE EDITION	20.99
G0020 ON THE BALL WORLD CUP ED	20.99
G0040 OUT TO LUNCH	16.99
G0022 PGA EUROPEAN TOUR	17.99
G0008 PINBALL ILLUSIONS	19.99
G0025 PREMIER MANAGER 3	16.99
G0109 RISE OF THE ROBOTS	27.99
G0015 ROBINSONS REQUIEM	19.99
G0001 ROADKILL	19.99
G0036 SECOND SAMURAI	19.99
G0010 SHADOW FIGHTER	17.99
G0002 SHAQ FU	17.99
G0014 SIM CITY 2000	22.99
G0031 SKELETON KREW	22.99
G0230 SUPER STARDUST	16.99
G0013 SUBWAR 2050	22.99
G0003 THEME PARK	22.99
G0055 TOP GEAR 2	16.99
G0057 TOWER ASSAULT	19.99
G0051 TOWER OF SOULS	22.99
G0050 U.F.O	22.99
G0957 ULTIMATE FOOTBALL MANAGER	21.99
G0621 WEMBLEY INTERNATIONAL SOCCER	16.99
G0813 ZOOL 2	17.99

CD 32

C0601 ALIEN BREED SPECIAL/QWAK	16.99
C0605 ARCADE POOL	11.99
C0602 BANSHEE	19.99
C0007 BATTLECHESS	19.99
C0025 BATTLETOADS	16.99
C0053 BEAVERS	22.99
C0541 BENEATH A STEEL SKY	19.99
C0045 BRIAN THE LION	19.99
C0654 BRUTAL FOOTBALL	7.99
C0036 BUBBA N STIX/FRIEMIERE	15.99
C0041 BUBBLE & SQUEAK	19.99
C0623 BUMP & BURN	19.99
C0068 CANNON FODDER	19.99
C0064 CASTLES 2	19.99
C0045 CD EXCHANGE VOL 1	13.99
C0052 CHAMBERS OF SHAOLIN	16.99
C0057 CHUCK ROCK 1&2 TWIN PACK	13.99
C0562 DEATH MASK	19.99
C0049 DRAGONSTONE	19.99
C0057 ELITE 2	14.99
C0047 EMBRAID MINES	11.49
C0011 FIELDS OF GLORY	19.99
C0022 FIRE AND ICE	16.99
C0058 GLOBAL EFFECT	7.99
C0096 GROLIER ENCYCLOPEDIA	19.99
C0552 GUARDIAN	19.99
C0084 GUINNESS DISC OF RECORDS 2	15.99
C0040 GUNSHIP 2000	19.99
C0012 HEIMDALL 2	22.99
C0024 HUMANS 1&2	19.99
C0027 IMPOSSIBLE MISSION 2025	19.99
C0065 INT'L SENSIBLE SOCCER	16.99
C0044 JAMES POND 3	16.99
C0030 JET STRIKE	16.99
C0050 LEGACY OF SORASIL	19.99
C0652 LITIL DIVIL	17.99
C0544 LOST VIKINGS	19.99
C0010 PGA EUROPEAN TOUR	17.99
C0059 PINBALL FANTASIES	21.99
C0450 RISE OF THE ROBOTS	22.99
C0001 ROADKILL	19.99
C0019 SENSIBLE SOCCER	16.99
C0006 SIMON THE SORCERER	24.99
C0700 SKELETON KREW	22.99
C0008 SUBWAR 2050	19.99
C0255 SUPER STARDUST	18.99
C0199 THEME PARK	23.99
C0560 TOWER ASSAULT	19.99
C0562 U.F.O.	19.99
C0186 ULTIMATE BODY BLOWS	19.99
C0802 ZOOL 2	19.99

If you don't see what you want, please call, we probably stock it.
If you can find a better price, please call, we will try to beat it.

If we tell you that an item you order is in stock, and you don't get it within 10 days, it's **FREE.**

Our promise to **you:**
- We will try to beat any genuine offer.
- We keep hundreds of titles in stock.
- We never surcharge credit/debit cards.
- Cards only charged **after** goods are sent.
- We are always friendly & helpful.
- We are available 9am to 9pm every day.
- We never mislead you about our stocks.
- We never quibble about returns.

Optional membership scheme:
- Bi-monthly catalogue & disk.
- Money saving discount vouchers.
- Bonus point scheme.
- Monthly prize draw.
- Free competitions & more...

Membership Rates

	UK	EEC	WORLD
FULL YEAR	£7.00	£11.00	£14.00
HALF YEAR	£4.00	£6.00	£8.00

Call our sales hotline **now** (9am to 9pm)

☎ 01785 813355 ☎

Prices correct at time of going to press. 24/11/95 E&OE.
Prices and offers may change without notice. Some items may not be available at time of ordering.
Zone 1 Ltd. Dresden House, The Strand, Longton, Stoke-on-Trent, Staffordshire. ST3 2PD.

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 MPS 1220/1230	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 LX800/86/90	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	4.95	4.80	4.60	4.40
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	1 off	2+	5+	10+
Citizen Swift 24	11.95	11.80	11.60	11.20
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	£6
25 Disks	£10	£11
50 Disks	£16	£18
100 Disks	£29	£33
250 Disks	£65	£76
500 Disks	£125	£148

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.

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

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap.)	22.00 each
HP Deskjet Tri-Colour Cartridge	26.00 each
HP Thinkjet/Quietjet Cartridge	12.13 each
HP Deskjet Tri-Colour Catridge 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	40.00 each
HP Laserjet IIP/IIIP Toner Cartridge	45.00 each

Ring For Inkjets & Toners Not Listed.

CPU & Monitor Dust Cover	6.49
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

01543 250377 Ring us or send cheques to: **01543 250377**
Owl Associates Ltd, Dept 407, Owl House,
5 The Brambles, Lichfield, Staffs WS14 9SE
Official Government & Educational orders welcome
E. & OE

Silent Paw Productions

1995 Product Line

Available Now
The **PAWSTrac** microtrackball is designed to be operated at a fingers touch and is small enough to fit in your pocket.

Coming this September
The **PAWS 600 and 1200** - The Portable Amiga Workstation. The PAWS kit includes case, basic LCD driver Card, Active color LCD, power unit that can mount up to two batteries, one battery, power supply, and trackball. Includes Link-It and Cross Dos Pro. No soldering.

Coming in November
The **PAWS 3000 and 4000** - Same as the PAWS 600 and 1200 (no battery support) but includes our Enhanced Driver Card.

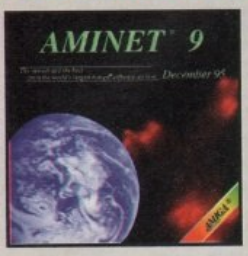
Enhanced Driver Card (Upgrade) for the PAWS - Our latest driver card will support Passive Color LCDs and support most Amiga display modes to include PAL.

The **Gecko** - The Gecko is an external unit that plugs into the Amiga's RGB port to use any standard VGA monitor in most display modes, even PAL! Comes with cable and power supply.

P.O. Box 1825, Manassas, Virginia 22110
703-330-7290 - Voice, 703-330-5752 - Fax

Aminet 8

CD 8, dated August 1995, consists of approximately 1,1
es of software in 3600 archives. Since the release of Aminet
nore than 540 MB new software has appeared. The current
has a special focus on modules, more than 1000 mods from
were included. User friendly access software makes the
CD 8 a pleasure to use. **£14.95**



Aminet 9

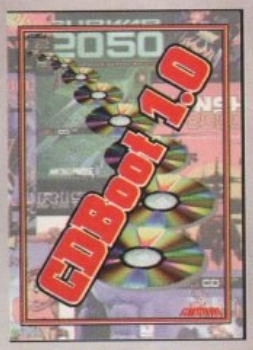
g soon! **£14.95**

CD-Write

?! You still can't write to your CDs? CD-ROMs have long been
sential part of Amiga computing. Many users already own a
OM drive, and the number of software packages available on
increasing steadily. Until now, though, it was not possible to
to CDs. We have solved this problem with our new revolutio-
product: Ralph Babel and Stefan Ossowski's Schatztruhe are
to present what can be considered a marvel of technology:
rite enables you to virtually write to CDs with an ordinary CD-
drive. From now on, you will be able to write, delete, and mo-
ata on your CDs. This product will take you into a new era, and
ill be able to utilize CD-ROM technology to its fullest. **£44.95**

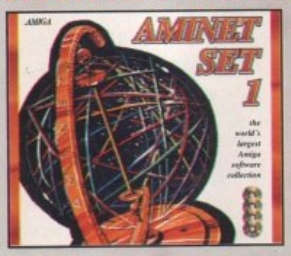
FreshFish 10

FreshFish CD-ROM-series, produced directly by Fred Fish, provi-
Amiga users with hundreds of megabytes of the latest freely re-
butable software. Published approximately every two months,
volume is a two CD set containing new submissions since the
volume, as well as an ever growing selection of tools, libraries,
mentation and other useful material that is updated with every
se. **£17.95**



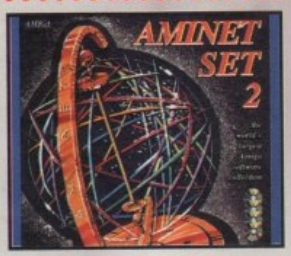
CDBoot 1.0

CDBoot is a fantastic new product that enables you to use almost any CD32 games on an A1200 or A4000 (with AT- or SCSI-CD-ROM drive and any filesystem). You can create a configuration file for each CD, containing information on the Joypad emulation. You can also save the highscore of each CD32 game. The usage and installation of CDBoot is very easy, also for beginners, due to the excellent English manual. Since the compatibility is very high, you can use 98% of CD32 games currently available. CDBoot is an excellent software solution for all Amiga-Freaks, who would like to enter the world of CD32 games! **£34.95**



Aminet Set 1

Aminet is the world's largest collection of freely distributable Amiga software. Up to 10.000 users access the vast archives every day and countless programmers publish directly via Aminet. Until recently access to Aminet was restricted to international network users. With Aminet Set 1, consisting of 4 CDs, the complete archive is published the first time. This CD-ROM-collection, which is dated January 1995, offers an almost inexhaustible reservoir of top-value Shareware. A wide variety of programs is included: Applications, Games, Demos, Pictures, Mods, Animations, Developer-Material, ... It contains approximately 4 gigabytes of software in 12.500 archives and you will enjoy the comfortable user-interface. **£29.95**



Aminet Set 2

AMINET SET 2, dated November 1995, consists of approximately 4 gigabytes of software in 12.000 archives. Whether you like applications, games, communications or programming, the SET gives you all you need. Easy to use index files and search facilities make accessing it a pleasure. **£34.95**

Gamers' Delight II

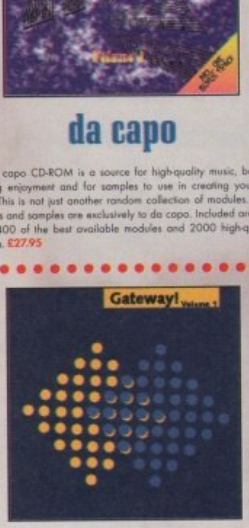
This CD contains 1070 games for the Commodore Amiga from differing categories. Action, Jump & Run, Card Games, Puzzles, Strategy Games - a whole range of computer entertainment awaits! Gamers' Delight will hold you captivated for hours and guarantees long-lasting pleasure. 70 games are commercial versions - no public domain & no demos! This CD can be run on any Amiga with CD-ROM drive,1 MB free memory and Joystick/Joypad. **£26.95**

Meeting Pearls Vol. III

The Meeting Pearls Volume III contains 650 MB of the finest FD software via a special user interface, which has been created to allow you to find the program of your choice with ease. The contents: 10 MB Packer, Cruncher, Archive Programs · 3 MB CD-ROM Utilities · 21 MB Communication and Network Programs · 5 MB Debugging Tools · 29 MB Development Tools · 13 MB Floppy, Hard Disk ans SCSI Programs · 8 MB Educational Programs · 9 MB Games · 35 MB Graphics Programs · 39 MB Internet Movie Database, Updated Version · 7 MB Midi Tools and Programs · 27 MB Mods · 12 MB Music Programs · 21 MB Pictures · 13 MB AmiTCP and more for Networking · 60 MB Documentation, CD-ROM Databases, etc. · 96 MB PasTeX 1.4 · not previous available on any CD-ROM · 15 MB Utilities · 30 MB HTMl-Pages · Collections of datatypes, benchmark programs, icons, programs for amateur radio and electrical/electronic engineering are also included. **£9.95**

da capo

The da capo CD-ROM is a source for high-quality music, both for listening enjoyment and for samples to use in creating your own music. This is not just another random collection of modules. Many modules and samples are exclusively to da capo. Included are more than 1400 of the best available modules and 2000 high-qualioty samples. **£27.95**

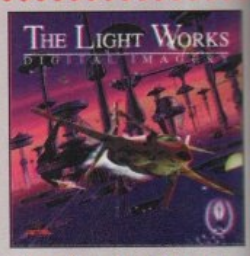


Gateway!

Gateway! offers NetBSD 1.0, a full featured UNIX-like operating system with both sources and binaries for the Amiga, i386, Sun 3, and other architectures. Go networking with the large selection of supplied networking tools. Other supplied packages include a binary release of the X window system (X11R6) for the Amiga, with many additional clients, and packages such as perl, emacs, games, mail programs, and many megabytes of important text files such as RFCs and FAQs. A complete installation guide is available on the CD. There are also some AmigaDOS internet utilities, such as clients for AmiTCP and Envoy. **£9.95**

XiPaint V3.2

XiPaint is a leading edge, 24-bit paint program. It's suited demands of novice and expert alike, and within a short too will be able to produce colourful and creative art in 16.8 colours. This version of XiPaint provides a professional paint at an unbeatable price/performance ratio.
Overview of Features: · Diverse paint functions including contrast and saturation adjustment · Mask, outline, recolour functions · Airbrush with adjustable spray functions · function for manipulating montages and animations · Text with anti-aliasing using Compugraphic fonts · Support for graphic formats · Unlimited Undo · Diverse manipulation channel · Supports many graphic cards · Layers to combine projects · ARexx port · Drag & Drop colours · External filter Extensive documentation · 60 textures, 50 landscapes, pictures and many fonts included. **£49.95**



The Light Works

Raytracing · A fascinating area of the computer graphics. from the computer, perfectly rendered, fascinate people all world. The Amiga was the first computer to be used for ray and today it is still a leader, with many high quality programs. artist of raytracing is Tobias J. Richter from Cologne/Ger whose detailed objects stun the people. Especially his space famous science fiction films are used to demonstrate the capa of a raytracing program. The objects are highly detailed extremly realistic due to the application of complex surface of the models. Until now it was difficult to acquire these ob order to create ones own scenes or animations. **£29.95**

NetNews Offline Vol.

NetNews Offline Vol. 1 is the first disk of a new bimonthly publi series of Amiga CD-ROMs which contains all Amiga-related groups from the internet. Every volume features about 5 articles which contain hot rumours, important information abo aspects of the Amiga, press-releases, discussions and flame wa A newsreader is included. NetNews Offline is the cheap alter of getting in touch with Usenet. **£14.95**

All products are available in your local Amiga-shop or through national mail-order-companies

SCHATZTRUHE

International Distributo

GTI

GTI
Grenville Trading International Gm
Zimmersmühlenweg 73
61440 Oberursel · Germany
Tel +49-6171-85937
Fax.+49-6171-8302
EMail: Compuserve 100336,1245

Paul Overaa explains why assembly language is so popular among Amiga coders

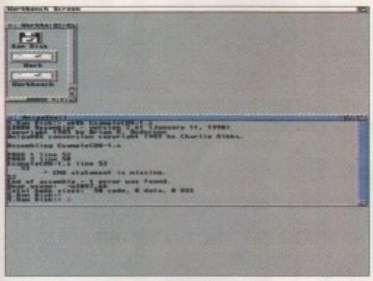
Thinking of learning assembler?

Most people cut their 'programming teeth' using Basic-type languages which on the Amiga usually involves Amos, Blitz Basic, or HiSoft Basic. Many then move to C and from there start to make what is often a fairly painful transition to low-level coding, i.e. to 680x0 assembly language. Despite the difficulties assembly language coding on the Amiga presents, this subject is actually growing in popularity and there are a number of reasons for this.

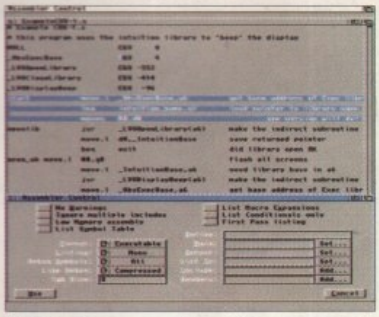
To be honest, it was once thought that the only reasons for using an assembly language was to get maximum speed, minimum code size, or absolute control over a system. It turns out, however, that the benefits are more subtle than this because an understanding of assembly language enables programmers to gain an appreciation of things such as how high-level languages work.

In many ways it's a similar situation to driving a car – if you don't know roughly how the gears work then you might wonder why you can't pull away in fourth gear without stalling the engine. Plenty of driving will convince you that this is indeed the case, but no matter how much you drive, you will never actually find out why this is so. Learn a bit about the internal mechanics, however, and it will become obvious very quickly. Learning a low-level language is not, however, a task to be taken lightly but, having said that, it is possible to minimise many of the difficulties which assembly language programming presents. How? Simply by tackling the program design problems separately. If you take care not to start writing low-level code until you're sure of exactly what it is you are trying to do, then life for the assembler coder is not too bad.

Logical difficulties aside, the other main problem with learning assembler is likely to be the fact that you'll need to understand quite a bit about the Amiga's operating system and Intuition interface. I'd be less than honest if I said that this didn't take time!



Charlie Gibb's A68K assembler provides a useful low-cost pathway into Amiga assembly language



HiSoft's Devpac assembler – simply the best!

COUNTING THE COST

Assembly language, once mastered, will certainly allow you to write extremely efficient or extremely compact programs, but such programs will always take far longer to develop than their high level counterparts. That, unfortunately, is the price paid for taking the low-level path.

Despite the potential pitfalls, assembly language programming still appears to be as popular as ever and most programmers eventually decide to learn something about it (even if most of their coding is done using high-level languages). You can of course mix high-level code with assembler patches and get the best of both worlds, and this is a subject we looked at in this column only a few months ago.

As far as specific assemblers are concerned there are two main choices: One is to use Charlie Gibb's freely distributable A68K assembler and this is available from nearly all public domain libraries. This low cost route is fine for taking your first steps but you will, at some stage, probably need to purchase the official Amiga include files (these contain standard definitions which you'll need once you get into Intuition coding and so on).

The alternative is to purchase HiSoft's Devpac assembler which is without doubt the best, and most popular, assembly language programming environment available on the Amiga. One benefit of following this latter path, incidentally, is that you get the official Amiga include files as part of the package!

GETTING IN THE FAST LANE

As far as code creation goes, the types of performance improvements that can be obtained as you move from Basic interpreters to Basic and C compilers, and finally to assembly language, can be quite dramatic. Since it is useful to have an understanding of why some languages are 'faster' than others, I'll explain in some detail why this is the case.

Even with an identical source code file, the final runable code produced by one compiler may vary greatly from that produced by another. A compiler (and an interpreter come to that) looks at your program and then generates suitable low-level instructions.

Speed, or the lack of it, in the final program is due to one thing – the efficiency of the resulting code – and there is a common misconception here that needs clearing up: Compilers are rarely either 'efficient' or 'inefficient'. The truth of the matter is that they usually tend to be a bit of both.

One particular compiler may, for instance, be able to produce very efficient fragments for structured loops, but may fall down by producing inefficient switch structure code.

Some optimisers can eliminate unused variables, move invariant loop calculations outside the loop, re-arrange flow control schemes and even re-order the operations you've written. Compilers can also choose when to store data in locations which can be rapidly accessed (primarily processor registers).

One of the benefits of understanding assembler programming, of course, is that it becomes possible to 'tweak' such compiler-generated code. All compilers, irrespective of the language they are working with, have to make compromises, so their generated code will rarely be perfect. As an enthusiastic low-level coder, however, you'll get the chance to correct this situation!

Most assemblers can also make optimisation changes but here, changes are limited just to the replacement of slightly more efficient forms of certain instructions. Needless to say, the effects on the code you've written are much less dramatic (which means, incidentally, that any speed/performance differences between the code generated by different assemblers is always going to be minimal).

17 BIT SOFTWARE

TEL: 01924 366982 ● FAX: 01924 200943
1st Floor Offices, 2/8 Market Street
Wakefield, West Yorkshire. WF1 1DH

Office Hours Mon - Sat 9:00 To 5:30.
Answerphone At All Other Times

POSTAGE RATES

[UK] Disk Orders 50p CD's 75p Each.
[EU] Disk Orders 10% CD's £1.00 Ea.
[OE] Disk Orders 20% CD's £1.50 Ea.

MAX POSTAGE PAYABLE

[UK] Disk Orders 50p CD's £1.50
[EU] Disk Orders 10% CD's £4.00
[OE] Disk Orders 20% CD's £6.00

ALL ORDERS SENT 1ST CLASS POST / AIRMAIL

ALL OUR AMIGA PD DISK ARE ONLY **£1.00** EACH

WE WILL **PRICE MATCH** ANY STOCK CD FOUND CHEAPER ELSEWHERE

LSD Compendium 3

Following The Success Of LSD Compendium 1 &2, Comes This Most Recent Bumper Collection. Over 600 MB Of Data Has Been Included Covering Just About Every PD Subject From Games And Demos To Source Code And FAQ's.

"One Of The Most Useful & User Friendly Discs Around... If You Like The Fun Side Of Amiga PD, LSD 3 Is Definitely The One For You."

90% CU AMIGA DECEMBER 1995

AVAILABLE NOW! £19.99

AMOS CD 2

£19.99

MULTIMEDIA 2

£22.99

5th Dimension

Contains All Our Newest PD Disks From 3351 To 3870. Something For Everyone! Highly Rated By The Computer Media. Heres What They Said.

"As Usual This Is Up To 17 Bit's High Standards."
"Contents Covering Every Aspect Of Amiga PD..."

8/10 AMIGA COMPUTING Issue 94

"The Selection Of Software Is Excellent..."
"Highly Reccomended." "...Top Grade Stuff"

88% CU AMIGA DECEMBER 95

AVAILABLE NOW! £19.99

AGA EXPERIENCE

NFA & SADENESS PD Present An AGA Only Extravaganza. Packed With Pics, Demos Etc!

£19.99

MEETING PEARLS 3

Germanys Most Popular CD! Packed With Over 600MB Of New PD Software! Includes Something For Everyone!

£9.99

AMINET 8 £12.99

Dated October 95, This Issue Contains 600MB New Data Since Issue 7.
Heavy Bias Towards Music.

AMINET SET 2 £24.99

Contains The Entire Contents Of Aminets 5 to 8 On 4 CD's! Superb Value For Money! Contains NEW Data Since 8!

ENCOUNTERS — EXPOSED

Forget The X-Files. UFO's Are REAL. Encounters Is THE Most Comprehensive UFO Expose Ever Produced On CD. Just A Small Selection Of What You Can Expect To Find Follows.
You Will NOT Be Dissapointed. Includes Information & Testimony That The Government Have Kept Secret For So Long. Until Now.
Prepare To Be Shocked

Statements From Military Top Brass
FBI, CIA, NSA Etc Texts.
UFO Related Photographs
Sightings & Abductions
Alien Origins & Technology
Crop Circles
Cattle Mutilations
Coverups & Top Secret Projects
Docs On Roswell, Area 51, Sigma
Dreamland, Grunge13 & Redlight

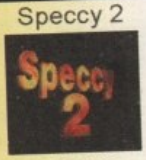
AVAILABLE NOW! £14.99

3954 ALIEN FISH FINGER Good Shootem / Platformer
3953 PRO ZODIAC 2000 V1 Astrology Program
3952 ICONIAN V2.96 AGA Icon Editor
3951 MELON PLANET M Superb AGA Demo
3950 F1 GP EDITOR V3.02 Very Latest GPed Update.
3949 ABACKUP V5.01 Excellent HD Backup Util
3948 JPEG AGA V2.2 The Best AGA Jpeg File Viewer Ever!
3947 ROBS HOT GAMES #16 AGA Only Games Comp.
3946 FLYING TIGERS Helicopter Warfare Sim.
3945 ROBS HOT VIRUS KILLERS 2 Latest Virus Killer Comp.
3944 DELUXE GALAGA V2.6 AGA Excellent Shootem Up!
3943 DELUXE GALAGA V2.6 ECS Version. Superb!
3942 3RD DIMENSION #19 3D Construction Kit Disk Mag.
3941 RED DWARF DISKMAG #1 Premier Issue!
3940 VARK CLI UTILS #10 Compilation Of CLI Utils
3939 BLACK DAWN #6 HELLBOUND F1 Demo.
3938 LYAPUNOV V2.0 Excellent Lyapunov Fractal Generator
3937 U.F.O ENEMY UNCLOTHED Great P**S Take Game!
3936 NEW UTILS #13 Includes Virus Checker V7.17
3935 PENGUINS DEMO Nice AGA Demo.
3934 REMDATE V2.1 Remember Special Dates Etc.
3933 (ABCD) ICONS & BACKDROPS Very Nice Too!
3932 BACKDROPS & STARTUP PICS For Workbench
3931 MWB DRAWER ICONS More Stuff For MWB
3930 (AB) GRAPHIC WORKBENCH Workbench Replacement
3929 ULTRA ACCOUNTS Superb Accounts Package
3928 (ABC) A MATTER OF TIME Text Adventure Game
3927 (AB) NAVIGATOR V2.0 Superb 3D Video Titler
3926 (AB) THE JUDGE & THE JUDGING Photo Tutorial
3925 (AB) PAGESTREAM PATCH V3.0H2 Latest Patch Disk
3924 TEE TO GREEN V1.4 Golf Game.
3923 EXECUTIVE Unix Like Task Manager
3922 (AB) CHANEQUES GAME Lemmings Clone
3921 GREETINGS - A GALLERY II Amiga Art Gallery
3920 POWEROIDS V1.1 Rendered Asteroids 020 Req.
3919 VIRUS WORKSHOP V5.5 Good Virus Killer
3918 MAGNETIC FICTION DEMO Demo Of F1 Licenceware
3917 (AB) PRO FOOTBALL V1.1 Football Prediction System
3916 (AB) IMAGESTUDIO V2.20 Superb Graphics Studio
3915 PLORRDS / BLITZ Puzzle / Arcade Game
3914 COALA GAME DEMO Shareware Game
3913 (ABCD) RAZOR 1911 DEMO AGA & HD Required
3912 (AB) INSTINCT DEMO AGA & HD Only Demo
3911 (AB) QUE DEMO AGA & HD Only Demo
3910 DIARY 2000 Superb Amiga Diary!
3909 THIRD DIMENSION #18 3D Construction Kit Disk Mag
3908 ULTIMATE MANAGER V1.10S Realistic Footy Management!
3907 UNION TEAR DOWN THE WALL AGA Only Demo
3906 MASTER BLASTER V2.2 Superb Dynablaster Game Clone!
3905 SHAPESHIFTER V3.2A Latest Mac Emulator For Amiga!

Grolier Enc.

£26.99

Speccy 2



£19.99

3D Arena

£19.99

Adult Sens. 2

£19.99

SCI FI Sens

£19.99

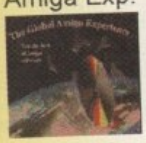
Aminet Set 1

£24.99

Arcade Clscs

£14.99

Amiga Exp.



£24.99

Emulators CD

£19.99

ZOOM

£19.99

Network CD 2

£14.99

Gateway CD

£9.99

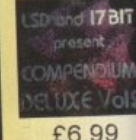
Phase 4

£9.99

Assassins 2

£19.99

LSD 2



£6.99

GOLD FISH 3 £26.99

Contains A Good Selection Of Software, Anims, Pictures And Other Material Released On Fred Fish CD Roms Between November 94 & November 95, With Most Of The Material Updated To The Latest Available Versions. All Material Is Included In Ready To Run Format From Either Workbench Or An AmigaGuide Menu.

LIGHT ROM 3 £44.99

The Most Ambitious Releas To Date, Consisting Of 3 CI Includes 175 Megs Of Imag Objects, 100MB For 3D Stu 30MB For Sculpt & 7MB Fo Real 3D. The Second CD Includes 700 Textures In Jpeg Format, Along With Toast Wipes & CG Fonts + Many Landscape File Rom 3 Mainly Contains Digital Elevation M For Use With Vista, Scenery Animator Etc.

DOZENS MORE CD's AND THOUSANDS MORE PD DISKS AVAILABLE. CALL US FOR A FREE CATALOGU

Paul Overaa takes a look at the ARexx side of Amiga DOS's Ed text editor

Ed's ARexx connection

Ed has never been a particular friendly text editor to use, but in recent years a number of improvements have been implemented. Mouse control has been added along with menu and function key support, a proper file requester, customisable configuration files, and even a close gadget.

Perhaps the most important addition, however, was the inclusion of an ARexx interface, yet few people seem to make any great use of this facility. The reason? It's probably that Ed, as a text editor, is still regarded as a relatively primitive piece of software and most people do in fact use it only for creating and viewing short text files, or for carrying out simple text editing jobs.

Okay, it's true. Even the improved version of Ed leaves a lot to be desired but the ARexx connection is worth experimenting with. Ed, as many of you will doubtless know, provides two types of commands called 'immediate' and 'extended.' In immediate mode, Ed executes its various keystroke-based commands straight away. In extended mode you press the ESCape key and then enter the extended command at the bottom of the window when the asterisk prompt appears.

All immediate mode commands have extended mode equivalents and this is important because it is the extended command set that is used to provide Ed's ARexx control. Many of Ed's extended commands can be used via ARexx, and table 1 lists some that are particularly useful.

You'll find all these commands, and others, listed in the Editor section of the AmigaDOS manual that came with your machine. Bear in mind when using these ARexx facilities that you do not need to use the ESCape key character prefix (as is necessary when issuing extended commands at the keyboard). For example, the 'move to bottom of file' instruction – listed in the above mentioned manual as ESC,B – would need, in an ARexx script, to be written as the string 'b' or 'B'.

To allow ARexx scripts to collect information about various file characteristics, Ed provides a command called RV which subsequently provides a set of data items as a compound variable set (based on a script-specified stem). In short, you issue an RV command using your chosen stem and from that point on, the pre-defined compound variable tails shown in table 2 can be used to extract any required information.

Table 1: Some Ed ARexx commands

B	Move to bottom of file
D	Delete current line
I//	Insert a line with specified string before the current line
J	Join current line with the next line
M	Move to line n
N	Move to next line
T	Move to top of text

Table 2: Information that can be made available using Ed's RV command

s.BASE	window base	s.LEFT	left margin
s.CURRENT	text of current line	s.LINE	current line number
s.EXTEND	extended margin value	s.LMAX	max visible line
s.FILENAME	file being edited	s.RIGHT	right margin
s.FORCECASE	case sensitivity flag	s.SEARCH	last search string
s.LASTCMD	last extended command issued	s.TABSTOP	current tab stop
		s.WIDTH	screen character width

AN EXAMPLE SCRIPT

Listing 1 shows an Ed macro that adds line numbers to a text file. It works by setting the cursor to the end of the file being edited and executing an RV command using a stem variable that I've called file_info. Since the cursor is at the end of the file, the returned line number represents the number of lines in the file. After moving to the top of the file, a loop is then used to add a padded string, containing a line number and a colon, to each line in the file.

Note, incidentally, that Ed, when running as just a single copy, will have its ARexx port called ED. If, however, further copies of the program are started while the first version is still running, other copies will be given port names of ED_1, ED_2 etc. The easiest way to ensure that an ARexx macro started from a particular version of Ed makes the right communications connection is to use this type of code:

```
ed=Address()        /* get ed's address */
address value ed    /* and identify it as current host */
```

In order to see the macro in action first copy the macro from the cover disk to your rexx: directory and then use Ed to open or create the file you wish to add line numbers to. With this text file still open, hit the ESCape key and enter this type of extended command:

```
rx/linenumber.rexx/
```

The macro will then number all the text lines in the file currently being edited, and return you to Ed's Immediate mode in readiness for saving the file or further editing!

```
/* linenumber.rexx */

ed=Address()
address value ed
'B'             /* go to bottom of the file */
'RV/file_info/'         /* collect file_info stem parameters */
line_count=file_info.line               /* number of last line (i.e. a line count) */
'T'             /* go to top of file */
do x=1 to line_count    /* for each line... */
            prefix=left(x||':',8)   /* create line number prefix */
            'I/'||prefix||'/'       /* insert prefix as a new line*/
            'J'             /* then join lines together */
          ' 'N'             /* do next line */
end
```

Listing 1: An Ed-based line numbering macro

At least ARexx makes Ed a little more respectable as an editor

POSTAGE & PACKING
UK - FREE
EUROPE - £ 2.00
REST OF WORLD - £ 3.50

Premier Mail Order

Please Send Cheques/POs Made out to Premier Mail Order or Access/Visa/(Switch + Issue No) & Expiry Date to:

Dept:AC01A 9-10 THE CAPRICORN CENTRE, CRANES FARM ROAD, BASILDON, ESSEX SS14 3JJ

Mon-Fri 9am-7pm Sat&Sun 10am-4pm. Please note: Some titles may not be released at the time of going to press.

Most titles are despatched same day, but can take up to 28 days. VAT is included on all titles. E&OE

TEL : 01268 271172
FAX : 01268 271173

	500	1200	CD
688 Attack Sub	10.99	-----	-----
A10 Tank Killer	12.99	-----	-----
A320 Approach Trainer	26.99	-----	-----
Acid Attack Compilation - *Guardian,Roadkill, Super Skidmarks*	-----	19.99	19.99
ACID BLITZ COMPILER	29.99	-----	-----
Addams Family	8.99	-----	-----
Adventures of Robin Hood	12.99	-----	-----
Air Bucks 1.2	12.99	12.99	-----
Aladdin	-----	19.99	-----
ALIEN BREED 3D	-----	22.99	22.99
Alien Olympics	19.99	-----	19.99
All Terrain Racer	17.99	19.99	19.99
Andre Agassi Tennis	19.99	19.99	19.99
Another World	12.99	-----	-----
Apidya	8.99	-----	-----
Arabian Knights	8.99	9.99	12.99
Arcade Pool	8.99	-----	12.99
Archer Macleans Pool	10.99	-----	-----
Atrophy	-----	19.99	19.99
Award Winners 2	19.99	-----	-----
B 17 Flying Fortress	12.99	-----	-----
Baldie	19.99	19.99	19.99
Banshee	7.99	-----	19.99
Base Jumpers	9.99	-----	9.99
Battlechess	-----	-----	19.99
Battle Isle '93	17.99	-----	-----
Battlehawks 1942	12.99	-----	-----
Behind The Iron Gate	16.99	-----	-----
Beneath A Steel Sky	20.99	-----	19.99
Benefactor	17.99	-----	17.99
Big Sea	19.99	-----	-----
Birds of Prey	12.99	-----	-----
Black Crypt	10.99	-----	-----
Blastor	17.99	-----	-----
Bloodnet A500+	19.99	26.99	-----
Blitz Bombers	-----	19.99	19.99
Blitz Tennis	19.99	-----	-----
Blue Angels	8.99	-----	-----
Body Blows Galactic	-----	19.99	-----
Bravo Romeo Delta	8.99	-----	-----
Breach 3	22.99	-----	-----
Brian The Lion	19.99	17.99	17.99
Brutal Paws of Fury	19.99	19.99	19.99
Brutal Football	-----	13.99	19.99
Bubba n Stix	4.99	-----	4.99
Bubba n Stix & Premier	-----	-----	13.99
Bubble Bobble	6.99	-----	-----
Bubble & Squeak	17.99	19.99	19.99
Budokan	10.99	-----	-----
BURNTIME	17.99	17.99	-----
Campaign 2	12.99	-----	-----
Cadaver/Pay Off	12.99	-----	-----
Cannon Fodder 2	19.99	-----	-----
CANNON FODDER	12.99	-----	19.99
Cardiaxx	8.99	-----	-----
Carrier Command	4.99	-----	-----
Caesar Deluxe	12.99	-----	-----
CHAMPIONSHIP MANAGER 2	19.99	-----	-----
Championship Manager End Of Season	11.99	-----	-----
Championship Manager Italia 95	16.99	-----	-----
Championship Manager Compendium	17.99	-----	-----
Chuck Rock	-----	-----	4.99
Chuck Rock 2	4.99	-----	4.99
Chuck Rock 1 & 2	-----	-----	13.99
CIVILISATION	12.99	12.99	-----
Classic Board Games	8.99	-----	-----
CLASSIC COLL - DELPHINE	16.99	-----	-----
CLASSIC COLL - LUCAS ARTS	19.99	-----	-----
ClockWiser	9.99	9.99	9.99
Club Football	9.99	9.99	-----
COALA	-----	19.99	-----
Cohort 2	19.99	-----	-----
Colonels Bequest	10.99	-----	-----
COLONISATION	22.99	-----	-----
Combat Classics 1	19.99	-----	-----
Combat Classics 2	19.99	-----	-----
Combat Classics 3	22.99	-----	-----
Complete Chess	22.99	-----	-----
Core A1200 Bundle - *Skeleton Krew, Banshee, Heimdall 2*	-----	19.99	-----
Core CD32 Bundle 1 - *Banshee,Heimdall 2, Universe, Skeleton Krew*	-----	-----	22.99
Core CD32 Bundle 2 - *Bubba n Stix, Premier, Chuck Rock 1+2*	-----	-----	16.99
Corporation	4.99	-----	-----
Cosmic Spacehead	17.99	-----	-----
Covergirl Poker	12.99	-----	-----
Craft for AMOS	17.99	-----	-----
Crash Dummies	17.99	-----	-----
Cruise For A Corpse	12.99	-----	-----
Curse of Enchantia	12.99	-----	-----
Cybercon 3	10.99	-----	-----
Cyberspace	22.99	-----	-----
D Generation	12.99	-----	17.99
D Thompson's Olympic Chall	6.99	-----	-----
Dark Seed	12.99	-----	19.99
Dawn Patrol	22.99	22.99	-----
Deluxe Paint V	59.99	-----	-----
Detroit	22.99	22.99	-----
Demonmaniac	17.99	-----	-----
Desert Strike	12.99	-----	-----
Disposable Hero	7.99	-----	-----
Dizzy the Big 6	-----	-----	12.99
Dogfight	12.99	-----	-----
Dragonstone	4.99	19.99	4.99
Dreamweb	22.99	22.99	-----
DUNE 1 OR 2	12.99	-----	-----
DUNGEON MASTER 2	-----	22.99	-----
Elfmania	17.99	-----	-----
Elite +	12.99	-----	-----
Elite 2 - Frontier	19.99	-----	19.99
ELITE 3 - 1ST ENCOUNTERS	-----	19.99	19.99
Embryo	17.99	-----	17.99
Emerald Mines A500+	-----	-----	12.99
Empire Soccer '94	19.99	-----	-----
Epic	12.99	-----	-----
European Champions	10.99	-----	-----
Evasive Action	19.99	-----	19.99
EXILE	9.99	19.99	19.99
Exterminator	17.99	-----	-----
Extractors	-----	-----	19.99
Extreme Racing	-----	19.99	19.99
Eye Of The Beholder 1 or 2	12.99	-----	-----
FORMULA ONE GRAND PRIX	12.99	-----	-----
F1	12.99	-----	-----
F1 World Champ Edition A500+	19.99	-----	-----
F15 Strike Eagle 2	12.99	-----	-----
F17 Challenge	10.99	-----	-----
F19 Stealth Fighter	11.99	-----	-----
F117A Stealthfighter	12.99	-----	-----
F29	10.99	-----	-----
Fantasy Manager	8.99	-----	-----
FEARS	-----	19.99	19.99
Fields Of Glory	12.99	12.99	22.99
FIFA Soccer	19.99	-----	-----
Final Over	10.99	-----	12.99
Fire Force	-----	-----	19.99
Flashback	12.99	-----	-----
F Sim 2 Japan Scenery	13.99	-----	-----
F Sim 2 Hawaiian Scenery	13.99	-----	-----
Football Glory Indoors	17.99	17.99	-----
FOOTBALL STATISTICIAN PRO	26.99	-----	-----
Future Wars	10.99	-----	-----
Gamer Gold Collection - *Bump N Burn + Jetstrike + Nick Faldos Golf*	-----	-----	19.99
Global Effect *	-----	-----	8.99
GLOOM	-----	19.99	19.99
Gloom Data Disk	-----	12.99	-----
Gloom 2	-----	-----	19.99
Gloom Deluxe	19.99	-----	-----
G Gooch-Second Innings	11.99	-----	-----
G Gooch-Test Match Special	19.99	-----	-----
G GOOCH-WORLD CLASS CRICKET	9.99	-----	-----
G Gooch - 94/95 Data Disk	4.99	-----	-----
G Gooch - Battle for the Ashes	4.99	-----	-----
GROLIERS ENCYCLOPEDIA	-----	-----	22.99
Gremlin Four Pack - *Lotus,Premier Manager 2, Space Crusade,Zool 2*	13.99	-----	-----
Guardian	-----	9.99	9.99
Guiness Disc of Records	-----	-----	16.99
Gunship	10.99	-----	-----
GUNSHIP 2000	12.99	24.99	22.99
Hanna Barbera Animation	29.99	-----	-----
Hard Drivin II	8.99	-----	-----
Hard Nova	8.99	-----	-----
Heart of China	12.99	-----	-----
Heimdall	4.99	-----	-----
Heimdall 2	4.99	7.99	22.99
Help! Compilation - *Dune 2,Pinball Dreams,Pro Tennis Tour,F1 Racing,Leaderboard,The Humans,Sherlock Holmes,Runner,Prince Of Persia*	-----	-----	-----
High Seas Trader	-----	22.99	-----
History Line 1914-18	12.99	-----	-----
Hits for Six - Vol 1 - *Chicago 90 +*	-----	-----	-----
F19 + Titus the Fox + Star Goose +	-----	-----	-----
Grand Prix Master	9.99	-----	-----
Hits for Six - Vol 2 - *F15 2 + Hardball*	-----	-----	-----
Blues Brothers + Hammer Boy + Eye of	-----	-----	-----
Horus + Highway Patrol 2 + Hotshot	9.99	-----	-----
Hits for Six - Vol 3 - *Crazy Cars 3 +*	-----	-----	-----
Gunship + Mega Phoenix + Airball	-----	-----	-----
+ Archipelagos + Star Ray	9.99	-----	-----
Hits for Six - Vol 6 - *Silent Service 2 +*	-----	-----	-----
3D World Tennis + World Cricket +	-----	-----	-----
3D Stunt Car Racer + Stormlord	9.99	-----	-----
Hits for Six - Vol 7 - *Special Forces +*	-----	-----	-----
3D World Boxing + Blade Warrior +	-----	-----	-----
Windsurf Willy + Nebulous	9.99	-----	-----
Hits for Six - Vol 8 - *Railroad Tycoon +*	-----	-----	-----
Int Tennis + WC Football Manager +	-----	-----	-----
Netheworld + Big Game Fishing	9.99	-----	-----
Hook	8.99	-----	-----
Hot Pie (Over 18 Only)	-----	-----	9.99
Hoyle Book Of Games 1 or 2 or 3	10.99	-----	-----
Hudson Hawk	6.99	-----	-----
Humans 1&2	-----	-----	19.99
Immortal	10.99	-----	-----
Impossible Mission 2025	22.99	24.99	22.99
Indy Jones - Atlantis Adv	12.99	-----	-----
Indianapolis 500	10.99	-----	-----
Insight Dinosaurs	-----	-----	14.99
Intelligent Strategy Games	19.99	-----	-----
International One Day Cricket	12.99	-----	-----
IntOS -AMOS	16.99	-----	-----
ITS Cricket	18.99	-----	-----
James Pond 3	-----	-----	8.99
J Nicklaus Greatest 18	6.99	-----	-----
Jaguar XJ220	4.99	-----	-----
Jimmy White's Snooker	12.99	-----	-----
John Madden Football	10.99	-----	-----
Jungle Strike	17.99	17.99	17.99
KGB	12.99	-----	-----
Kick Off 3 European Challenge	16.99	19.99	-----
Kid Chaos	17.99	19.99	19.99
Kingpin	10.99	12.99	12.99
Kings Quest 1, 2, 3, 4 or 5	12.99	-----	-----
Kings Quest 6	22.99	-----	-----
Knights Of The Sky	10.99	-----	-----
Last Ninja 3	-----	-----	9.99
Leading Lap	19.99	19.99	-----
Legends of Valour	12.99	-----	-----
Leisure Suit Larry 1 or 2 or 3	12.99	-----	-----
Lemmings 1	-----	-----	19.99
LEMMINGS 3	-----	19.99	-----
Links - The Challenge	12.99	-----	-----
Lion King	-----	19.99	-----
Lombard RAC Rally	6.99	-----	-----
Loom	12.99	-----	-----
Lords of the Realm	22.99	22.99	-----
Lotus Trilogy	-----	-----	9.99
Lure Of The Temptress	12.99	-----	-----
M1 Tank Platoon	12.99	-----	-----
Manhunter "New York"	12.99	-----	-----
Manhunter "San Francisco"	12.99	-----	-----
Man Utd - The Double	19.99	-----	-----
Marvens Marvellous Adv	-----	19.99	19.99
Master Axe	19.99	19.99	19.99
Megarace	-----	-----	22.99
Megatraveller 1 or 2	12.99	-----	-----
Messengers Of Doom	19.99	-----	-----
MICROPROSE GOLF	12.99	-----	-----
Microlight Warriors	-----	19.99	19.99
Micro Machines	17.99	-----	-----
Midwinter	10.99	-----	-----
Midwinter 2	12.99	-----	-----
MIG 29 Fulcrum	10.99	-----	-----
Mighty Max	17.99	19.99	-----
Military Masterpieces	19.99	-----	-----
Mini Office	35.99	-----	-----
MONKEY ISLAND 1 OR 2	12.99	-----	-----
Moonbase	34.99	-----	-----
Morph	-----	7.99	8.99
Mr. Blobby	13.99	-----	13.99
Mr. Nutz	17.99	-----	-----
Music X 2.0	27.99	-----	-----
Mutant League Hockey	17.99	17.99	-----
Napoleonics	12.99	-----	-----
Navy Moves	6.99	-----	-----
New Zealand Story	6.99	-----	-----
Nigal Mansells W/Champ	8.99	-----	19.99
Nightbreed	6.99	-----	-----
Night Shift	10.99	-----	-----
Odyssey	17.99	-----	-----
One Day Cricket	8.99	-----	-----
ON THE BALL-WORLD CUP EDITION	9.99	9.99	-----
On The Ball-League Edition	19.99	22.99	-----
Operation Harrier	8.99	-----	-----
Operation Stealth	11.99	-----	-----
Oriental Games	8.99	-----	-----
Outrun Europa	8.99	-----	-----
Overdrive	8.99	-----	-----
Overlord	22.99	-----	-----
Patrician	12.99	-----	-----
PEN PAL(WORDPROCESSOR)	24.99	-----	-----
PGA European Tour	17.99	17.99	17.99
PGA Tour Golf	12.99	-----	-----
PHOTOGENICS V 1.2	-----	37.99	-----
Pictionary	6.99	-----	-----
Pinball Dreams & Fantasies	22.99	-----	-----
Pinball Fantasies	-----	19.99	24.99
Pinball Illusions	-----	19.99	19.99
PINBALL MANIA	-----	19.99	-----
Pinball Magic	6.99	-----	-----
Pirates	10.99	-----	-----
Pirates Gold	-----	-----	22.99
Pinkie	17.99	-----	19.99
Pitfighter	6.99	-----	-----
Player Manager 2	13.99	-----	-----
PLAYER MANAGER 2 EXTRA	-----	13.99	-----
Pole Position	19.99	19.99	-----
Police Quest 1 or 2 or 3	12.99	-----	-----
Populous & Promised Lands	12.99	-----	-----
Populous 2	12.99	-----	-----
POWERBASE V3.5 .....(DATABASE)	14.99	-----	-----
Powerdrive	19.99	19.99	19.99
Powerhouse	22.99	22.99	-----
Powermonger & D/Disk	12.99	-----	-----
Premiere	4.99	-----	12.99
PREMIER MANAGER 3	12.99	17.99	-----
Prem Man Multi Edit Sys	10.99	-----	-----
Prime Mover	17.99	-----	-----
PRIMAL RAGE	19.99	-----	-----
Prince Of Persia	8.99	-----	-----
Project X	10.99	-----	-----
Pro Tennis Tour	6.99	-----	-----
Pushover	8.99	-----	-----
Pussies Galore	-----	16.99	16.99
Putty	8.99	-----	-----
Putty Squad	-----	19.99	19.99
Qwak	9.99	-----	-----
Quest For Glory 1 or 2	12.99	-----	-----
Rainbow Islands	6.99	-----	-----
RBI Baseball 2	6.99	-----	-----
Reach For The Skies	12.99	-----	-----
Realms	10.99	-----	-----
Red Baron	12.99	-----	-----
Rise Of The Robots	9.99	27.99	22.99
Risky Woods	10.99	-----	-----
Roadkill	-----	9.99	9.99
Road Rash	10.99	-----	-----
Robocop 3	10.99	-----	-----
Robinson's Requiem (A500+)	22.99	22.99	22.99
Rome AD92	12.99	-----	-----
Rugby League Coach	19.99	-----	-----
Ruff n Tumble	17.99	-----	-----
Ruffian	13.99	-----	-----
SENSIBLE GOLF	19.99	-----	19.99
SENSIBLE WORLD OF SOCCER	19.99	-----	-----
Settlers	19.99	-----	-----
Shaq Fu	17.99	-----	-----
Shuttle - S/Flight Sim	19.99	-----	-----
Sierra Soccer	16.99	-----	-----
Silent Service 2	12.99	-----	-----
Sim City 2000	-----	26.99	-----
Sim Life	10.99	22.99	-----
Simpsons	8.99	-----	-----
Skeleton Krew	-----	7.99	4.99
Skidmarks	12.99	-----	-----
SKIDMARKS 2	19.99	-----	19.99
Skitchin	17.99	17.99	17.99
Sleepwalker	8.99	8.99	19.99
Soccer Kid	9.99	9.99	19.99
Soccer Team Manager	10.99	-----	-----
Space Academy	19.99	-----	17.99
Space Quest 1 or 2 or 3 or 4	12.99	-----	-----
Speedball 2	8.99	-----	12.99
Speris Legacy	19.99	-----	19.99
Spherical Worlds	17.99	-----	17.99
Sports Challenge	12.99	-----	-----
Stardust Special Edition	9.99	-----	-----
Star Crusader	19.99	19.99	-----
Street Fighter 2	12.99	-----	-----
Strike Fleet	10.99	-----	-----
STRIP POT	-----	-----	9.99
Stun Runner	6.99	-----	-----
Stunt Car Racer	6.99	-----	-----
Suburban Commando	7.99	-----	-----
Subversion	8.99	-----	-----
SUBWAR 2050	-----	12.99	22.99
Super Space Invaders	8.99	-----	-----
Super League Manager	19.99	19.99	19.99
Super Methane Brothers	8.99	-----	8.99
Super Stardust	-----	19.99	19.99
Super Streetfighter 2	20.99	20.99	20.99
Super Tennis Champ	17.99	-----	-----
Supertrog	-----	-----	12.99
Superskidmarks	19.99	-----	19.99
Supremacy	10.99	-----	-----
Syndicate	12.99	-----	22.99
Tactical Manager - English or Scots	19.99	-----	-----
TACTICAL MANAGER 2	19.99	-----	-----
Team Yankee	7.99	-----	-----
Test Match Cricket	7.99	-----	-----
Terminator 2	6.99	-----	-----
The Big 6 - Dizzy	-----	-----	12.99
The Clue	19.99	19.99	19.99
The Games	10.99	-----	-----
The Greatest - Compilation	21.99	-----	-----
The Publisher	22.99	-----	-----
Their Finest Hour	12.99	-----	-----
THEME PARK	22.99	22.99	22.99
Thunderhawk	4.99	-----	-----
Tiny Troops	22.99	-----	19.99
Top 100 Games	-----	-----	9.99
Top Gear 2	17.99	17.99	19.99
Torvak	4.99	-----	-----
Total Football	22.99	-----	-----
Touring Car Challenge	16.99	-----	-----
Tower Assault	13.99	13.99	19.99
Tower of Souls	19.99	19.99	-----
Traps & Treasures	17.99	-----	17.99
Treble Champions 2	7.99	-----	0
Triple Action - Vol 6 - *Super Tetris +*	-----	-----	-----
Airball + Time Bandit	9.99	-----	-----
Trivial Pursuit	6.99	-----	-----
Turbo Trax	19.99	-----	-----
Turning Points	12.99	-----	-----
U.F.O.	12.99	12.99	22.99
Ultimate Body Blows	-----	-----	19.99
Ultimate Golf	8.99	-----	-----
Ultimate Soccer Manager	19.99	19.99	-----
Uncovered	17.99	-----	-----
Universe	22.99	-----	22.99
Virocop	17.99	17.99	-----
VIRTUAL KARTING	-----	19.99	-----
Vital Light	19.99	-----	19.99
Wheel Spin	-----	-----	19.99
Wild Cup Soccer	17.99	17.99	8.99
Wing Commander	12.99	-----	-----
Winter Gold	12.99	-----	-----
Wizkid	10.99	-----	-----
Wolfchild	4.99	-----	-----
World Class Leaderboard	10.99	-----	-----
World Cup Golf	-----	-----	29.99
World Cup USA '94	17.99	-----	-----
WORLD CUP YEAR '94	19.99	-----	-----
World Of Clipart	-----	-----	9.99
World Of Games	-----	-----	9.99
World Of GIF	-----	-----	9.99
World Of Pinups Vol 1	-----	-----	9.99
World Of Pinups Vol 2	-----	-----	12.99
World Of Photo	-----	-----	9.99
World Of Sound	-----	-----	9.99
World Of Video	-----	-----	9.99
World of Football	19.99	-----	-----
World of Golf	17.99	-----	-----
World of Soccer	7.99	-----	-----
Worlds at War	6.99	-----	-----
Worlds of Legend	12.99	-----	-----
WORMS	19.99	-----	19.99
Wreckers	19.99	-----	19.99
WWF 1 or 2	8.99	-----	-----
X-IT - Zonked	16.99	-----	-----
Z-Out	12.99	-----	-----
ZEE WOLF 2 - WILD FIRE	25.99	-----	-----

SPECIAL OFFERS

Alfred Chicken	-----	-----	12.99
BattleToads	-----	-----	12.99
Beavers	-----	-----	12.99
Body Blows	12.99	12.99	-----
Chaos Engine	9.99	-----	12.99
ClockWiser	9.99	9.99	9.99
Cool World	8.99	-----	-----
Crystal Dragon	9.99	-----	-----
Dennis	-----	-----	12.99
Disposable Hero	7.99	-----	-----
Fly Harder	-----	-----	12.99
Football Glory	8.99	8.99	-----
Garden Fax - Fruits + Veg	-----	-----	12.99
Garden Fax - Garden Plants	-----	-----	12.99
Garden Fax - Indoor Plants	-----	-----	12.99
Garden Fax - Trees + Shrubs	-----	-----	12.99
Humans 1+2	-----	-----	12.99
Jack Nicklaus Unlimited	12.99	-----	-----
J Nicklaus Designer Clip Art	7.99	-----	-----
James Pond 2 RoboCod	-----	-----	12.99
Jetstrike	9.99	9.99	9.99
K240	7.99	-----	-----
Last Ninja 3	-----	-----	8.99
Mean Arenas	-----	-----	12.99
MICROPROSE GOLF	12.99	-----	-----
Morph	-----	7.99	-----
Myth	-----	-----	12.99
Naughty Ones	-----	-----	12.99
Out To Lunch	-----	-----	12.99
Powergames	-----	-----	12.99
Sabre Team	-----	-----	12.99
Sensible Soccer 92/93	12.99	-----	-----
Sensibla Soccer International	-----	-----	12.99
Shadowfighter	9.99	9.99	9.99
SIMON THE SORCEROR 1	12.99	12.99	12.99
Syndicate	12.99	-----	22.99
Tornado	9.99	9.99	-----
Total Carnage	-----	-----	12.99
Vikings	8.99	-----	-----
WEMBLEY INTERNATIONAL SOCCER	-----	7.99	7.99
Wembley Rugby League	7.99	-----	-----
World Class Rugby 95	9.99	-----	-----
Zool	8.99	8.99	-----
Zool 2	8.99	8.99	-----

EDUCATIONAL

ADI GCSE French	22.99	-----	-----
ADI Junior Counting (4-5) or (6-7)	13.99	-----	-----
Better Spelling (8-10)	13.99	-----	-----
Better Maths (12-16)	13.99	-----	-----
Cave Maze (8-12)	10.99	-----	-----
Fraction Goblins (8-13)	10.99	-----	-----
Grollers Encyclopedia	-----	-----	22.99
INSIGHT DINOSAURS	-----	-----	14.99
Junior Typist (5-10)	10.99	-----	-----
Kid Pix	10.99	-----	-----
Magic Maths (4-5)	13.99	-----	-----
Maths Dragons (6-13)	10.99	-----	-----
Maths Mania (8-12)	13.99	-----	-----
Mix and Match (3-5)	8.99	-----	-----
Noddy's P/Time or Big Adv (3+)	16.99	-----	-----
Picture Fractions (7-10)	10.99	-----	-----

JUNIOR ADVENTURES

Reasoning With Trolls (5-12)	10.99	-----	-----
Tidy The House (6-10)	10.99	-----	-----
Robin Hood (8+)	13.99	-----	-----
Scrooge - Xmas Carol (8+)	13.99	-----	-----
The Three Bears (5-10)	13.99	-----	-----
Wind In The Willows (6+)	13.99	-----	-----
Wizard Of Oz	13.99	-----	-----

JOYSTICKS & ACCESSORIES

10 Capacity 3.5" Disk Box	1.99
50 Capacity 3.5" Disk Box	5.99
100 Capacity 3.5" Disk Box	7.99
4 Player Joystick Adapter	6.99
Analog Joystick Adaptor	4.99
Automatic Joystick/Mouse Splitter	14.99
CH FLIGHTSTICK (ANALOG)	**(AAR)29.99**
Cheetah 125+	7.99
Cheetah Bug	11.99
Competition Pro Joypad for CD32	13.99
External 880K Floppy Drive	59.99
Freewheel Steering Wheel	24.99
Gravis Analog Joystick	**(AAR)**29.99
GRAVIS ANALOG PRO JOYSTICK	**(AAR)54.99**
Gravis Adv Switch Joystick	22.99
Gravis Gamepad	15.99
Internal 880K Floppy Drive A500	47.99
INTERNAL 880K FLOPPY DRIVE A600/A1200	**49.99**
Mouse	10.99
Mousehouse	1.99
Mousemat	1.99
Joystick/Mouse Extension Cable	6.99
Joystick Y Splitter	4.99
Logic 3 Delta Ray Autofire JY156	10.99
Logic 3 Quatro GT Autofire JT155	10.99
Logic 3 Quatro JT154	8.99
POWER SUPPLY UNIT	**39.99**
Quickjoy Hyperpad	8.99
Quickjoy Pedals	13.99
Quickjoy II Turbo	10.99
Satek Megagrip 2 Autofire MX220	10.99
Satek Megagrip 7-MX732 (Analog)	**(AAR)**13.99
Screenbeat 3 Speakers SB203	12.99
Screenbeat 4 Speakers SB204	11.99
Screenbeat 5 Speakers SB205	11.99
Screenbeat Pro 5.1 Speakers SB250	32.99
Screenbeat RCA Adapter Cable	1.99
Screenbeat Power Supply	7.99
Suncom Analog Edge II (Analog)	**(AAR)**14.99
Suncom Flight Mas (Analog)	**(AAR)**27.99
Suncom FX2000 (Left & Right Handed)	**(AAR)**17.99
Suncom Slik Stick	5.99
Suncom Tac 2	7.99
Thrustmaster XL Joystick	**(AAR)**27.99
SAI CD32	**189.99**
Wico Q Stick	4.99

3.5" Blank Discs

	TDK		Precision		Unbranded	
	Low	High	Low	High	Low	High
10	5.99	6.99	3.99	5.99	3.50	4.99
20	11.50	13.50	7.50	11.50	6.50	9.50
50	27.50	32.50	17.50	27.50	16.25	22.50
100	52.50	62.50	32.50	52.50	29.99	42.50

RECYCLED DS/DD Low Density
10 @ 2.99 20 @ 5.50 50 @ 12.50 100 @ 22.50

PD & Shareware

BUSINESS

B001 A-Gene (1 meg)	1.25
B002 Business Card Maker	1.25
B003 Database Master	1.25
B004 Anti Cash	1.25
B005 Ambase Prof	1.25
B006 600 Business Letters	1.25
B007 Text Engine	1.25
B008 PC Task	1.25
B011 A-Graph	1.25
B013 Analytic ALC	2.50
B015 Stock Analyst	1.25
B016 Little Office	1.25
B017 Budgets V1.34	1.25

EDUCATIONAL

E002 The Bible (4 Disks)	4.99
E003 World Databank	1.25
E004 GCSE Maths	1.25
E006 Total Concepts	1.25
E007 Bank Talk	1.25
E008 Dunks DTP	1.25
E009 Colour The Alphabet	1.25
E010 The Highway Code	1.25
E011 Junior Maths	1.25
E012 Electronic Train Set (1 MEG)	1.25
E013 Learn & PLay 1	1.25
E014 Learn & Play 2	1.25
E015 Treasure Hunt	1.25
E016 Wrathed One	1.25
E017 Story Land 2	1.25
E018 Wottsname	1.25

CREATIVE

C002 Label Designer	1.25
C003 Super Fonts	1.25
C005 Deluxe Paint Tutor	1.25
C006 Shadow Demo Maker	1.25
C007 Clip Art

Phil South dips into the infostream and comes up with a gooey handful of graphics-based sites

comms

The big catch

It's easy for outsiders to assume that simply because you don't hear much about the Amiga these days (which isn't true actually since Escom and Tandy started stocking the Amiga in their stores) that the Amiga community is not really very active these days. Of course we proved that with our recent round-up of Web sites in issue 93, and this means that on almost any Amiga topic there is somewhere warm on the Web to meet up with like minded people and share information.

There are Amiga groups and Amiga Web sites with FTP etc. But what about one of the biggest areas of interest for Amiga users, that is to say graphics? The Web is awash with Amiga-based sites all about graphics, especially LightWave and 3D, so let's trawl through a few and see what we can find.

Babylon 5 Space Station object and Star Fury object from the Tomahawk site, rendered using LightWave 3D

SITES FOR SORE EYES

LightWave/Toaster HTTP server
ftp://tomahawk.welch.jhu.edu/pub/LW/

This is the second home of LightWave, where all the contributors to the LightWave mailing list and Usenet groups contribute objects, surfaces, tips, utilities, plug-ins for the new LightWave 4.0 program, and oh so many other things like pictures and Mpeg files for you to look at. This is the first stop for all LightWave fans.

Virtual Lightwave Demo
http://cse.unl.edu/~mohrt/lightwave

An interesting experiment in how to make a multimedia program on the Web. A trifle slow, but hey there are about 16 million Gbs of pictures in every screen. If you are not familiar with LightWave, here is the way to find out how it works.

PENTAGRAFX PRODUCTIONS
http://www.cs.mcgill.ca/~desm/

Very nicely put together graphics site giving hints and tips about 3D techniques, which although mainly for SGI users, can be applied to just about any 3D program with the right additions. Slow but very good.

Dean Scott Home Page
http://users.aol.com/dscott5663/simagic.htm

A nice home page, but more importantly a gallery of great images created by Mr Scott using LightWave. Notes on how each image was created are included giving you an idea how you can re-create the effects.

One And Only Media
http://chelsea.ios.com:80/~oaomedia

Creators of Macroform, a great curvy modelling tool, present details about the program, plus Get product information on MacroForm! Soon registered users will also be able to access MacroForm It!, a new e-zine dedicated to the advancenment of the MacroForming and LightWaving arts!

Blevins Enterprises Vertisketch
http://bei.moscow.com/

Top notch 3D digitiser for the Amiga version of LightWave, and home of some really big digitisers too. One model allows you to drive a car into it and grab its curves. Now that is something I'd really like to see in my Christmas stocking, except my feet aren't that big.

Desktop Images Home Page
http://www.Desktopimages.com/desktop/

Makers of the best video tutorials about LightWave. Although the tall and handsome Lee Stranahan no longer produces tapes for them, they have a new line-up that includes NewTek's Brad Peebler, Colin Cunnigham, and of course the big man himself, Ron Thornton of Babylon 5 fame.

NewTek Inc
http://www.newtek.com/

The true home of LightWave, and as we speak undergoing an overhaul. It used to be a lot of black pages with a few pictures on it. Now it's a lot more black pages with a lot more pictures on them. Lots of advertising puff, but no software or a huge amount of cool images... as yet!

Richard G. L'Hommedieu, Jr.
http://www.pb.net/~limg

A friendly chap who's gone to the trouble of assembling a wicked set of 3D and graphics links for us all to enjoy. You could spend the next month just following these up.

Worley Laboratories
http://www.worley.com/

Steve Worley has changed the name of his company from Apex Software to Worley Labs. The provider of the neat procedural textures and the maker of Imagine's Essence textures. Not much on here at the time of writing, but I heart that it's due for big changes real soon now.

3DSite
http://www.3dsite.com/3dsite/

A comprehensive site for CGI artists, from people who just dabble to people who do it for Spielberg. Lots of links for CGI and Animation Literature, References and Discussions, Conferences, Distributors, Entertainment, FTP Sites, Hardware Firms, Hardware Products, Images and Movies, Job Offers, Labs, Newsgroups, Organizations, Production Houses, Production Support Services, Projects, Software houses Software Packages, Virtual Reality, VRML, and even WWW-VR, the 'virtual reality on the World Wide Web' site.

The Rendering Plant, Inc.
http://www.portal.com/~corsa/

Download the latest LightWave demo from the Rendering Plant. See what a professional company who uses Lightwave looks like on the Web.

The largest and most highly praised collection of high quality DTP & DTV PD & Shareware in AMIGA history!

We have seen almost every Amiga CD title in existence and sadly, the general trend appears to be "shovel as much data on as possible and to hell with the quality". The majority of these CDs are also developed as multi-platform CDs and while this may be advantageous for the company selling them, the end user is faced with a CD containing a high proportion of files that he probably can't even use. So what is left? A CD containing loads of badly organised directories filled with low quality (in some cases even pathetic) graphics. Being a little disappointed, the user then looks in the font directories and finds... a massive task on his hands... he has hundreds of fonts (that are probably duplicated many times) and no way of knowing what he's got! The poor end user is then literally forced into loading each individual font into an application, just to see what fonts he's actually got! If that wasn't bad enough, he then, quite possibly, discovers that most of the fonts have missing and/or corrupt files!

Some of these "so called" CD developers even get away with "shovelling" data from their old CDs onto new ones and releasing the new CD as "Professional". We could go on and on and on, but why bore you with something you already know? We genuinely feel that the current situation stinks and we at EMC are aiming to set the standard on which all data CDs on the Amiga will be judged. A big claim you say? Well, here's a brief insight to what is included on the EMC CDs and how the data is organised...

Firstly, these CDs are aimed directly at Amiga users, and are not designed for multi-platform computer use. This means that you don't get CDs loaded with PC files that you can-not use! To aid in the rapid location of font, clipart and image data, each of the 3 CDs contains IFF font preview screens for every font (regardless of its format), you simply click on the preview icon to see the font! The clipart and image directories have been fully sorted and all directories include full IFF preview thumbnail index screens (and also descriptive filenames). Purchasers of the CDs will also have the option to buy a typeface book, published especially for the EMC CDs, containing font printouts!

The price for each CD is £24.99 + £1.00 UK p & p

For first class recorded Airmail to Europe add £4.00 p & p & Rest of World add £6.00 p & p

The third disc - ***EMC - PHASE 3*** - will be released on... ***Monday 15th January 1996***

AVAILABLE NOW!
£24.99 + p & p

EMC-PHASE 1 CONTENTS...

FONTS	**Type1 EMC 4,5,6,7&16 - CG EMC 8,9,10,23&24 - ProDraw EMC 18,19&20 and 52 IFF Clipfonts**
CLIPART	Fully sorted into sub-directories (number of directories listed in brackets).
IFF	Animals(114), Fantasy(27), Music(12), People(73), Religion(12).
IFF Col	Birds, Cars, Cats, Dinosaurs, Dogs, Fish, Horses, LionKing, Music, Planes, Reptiles.
EPS	Animals, Buildings, Computers, Food, Logos, Office, People, Transport, USA, World.
IMAGES	In IFF 16/256 colour and HAM interlace formats. Animals, Balloons, Blake7, Cars, Conan, Dragon Lance, Fantasy, Horses, Natural, Planes, Racing, Renders, Reptiles, SnowScenes, Space, Star Trek (TOS&Movies) Trains & over 67 MB of 736 x 568 IFF 16/256 colour Video Backdrops.

OTHER STUFF
Pagestream3 updates from 3.0 to version 3.0H, Complete Opalvision2.3b update, 19 additional third party Opalvision utilities, Typesmith2.5a update and Demo, Pagestream2 Demo, 18 really useful Utilities and heaps of other stuff!

94% AUI *"should be considered essential for the CDROM library"*

9/10 COMPUTING *"This is an excellent CD" "... it is superbly organised" "...virtually impossible to flaw" "...you need this CD"*

90% SHOPPER "STAR BUY" *"... ideal for DTP and DTV users" "This is a very useful CD" "Well polished and presented"*

90% FORMAT "GOLD" *"A dream CD for DTP fans" "This is a damned fine CD and a must for DTP enthusiasts"*

"If you only ever buy one Amiga fonts and clipart CD, E.M.C's Phase 1 is the one to go for!" EM magazine

EMC-PHASE 2 CONTENTS...

FONTS	**Type1** EMC 17, 27, 29 & 77 - **CG** EMC 25, 26, 30, 31 & 82 - **Colour** EMC 48 & 49 and 71 Imagine Type1 Fonts.
CLIPART	Fully sorted into sub-directories (number of directories listed in brackets).
IFF	Alphabet(4),Borders(16),Buildings(6),Cartoons(17),Computer(7),Education(5),Electric(6),Food(90),History(5),Natural(59),Space&SciFi(3).
IFF Col	Fruit, World Maps (of every country on Earth!), Ships, Vegetables.
GEM	Arrows & Stars, Borders, Buildings, Clipart, Office, OtherStuff, Photo, Transport.
IMG	Animals, Cartoons, Food, OtherStuff, People, Plants, Sports, TheArts, Transport, Xmas.
IMAGES	In IFF 16/256 colour and HAM interlace formats. America, Babylon5, Birds, BorisV, Britain, Dogs, Egypt, EQuest, FamousPeople, Girls, Kelly, Military, NightBreed, Panorama, People, SciFi, Terminator, Textures, Star Trek (TNG), V, Water Scenes, Wildcats. World, WorldPeople & over 70 MB of 736x566 Video Backdrops in IFF 16 & 256 colour formats.

AVAILABLE NOW!
£24.99 + p & p

AVAILABLE NOW!
£24.99 + p & p

RELEASE DATE: 15TH JAN 1996

EMC-PHASE 3 CONTENTS...

FONTS	**Type1** EMC 78, 79, 80 & 81 - **Pagestream** EMC 3 - **CG** EMC 83, 84, 85, 86 & 87 - **200 Clipfonts** and all our previously unreleased **Type1, CG** and **ColourFonts**
CLIPART	Fully sorted into sub-directories (number of directories listed in brackets).
IFF	Events(45), Military(26), Misc(33), Sport(37), Transport(35), Work(37) and World(41).
IFF Col	Flowers, Insects, Mammals, Trees, Xmas.
IMAGES	in IFF 16 colour, HAM interlace and IFF 256 colour formats. Bikes (Motor), Boats, Castles, Cats, Classic Cars, Dungeons and Dragons, Dr. Who, Star Trek (DS9), Fractals, Girls, Greece, Hunks, Heavy Metal, Italian Cars, Movies, Robots, Starwars, Waterlife, White, Woodroffe and over 67 MB of 736 x 566 Video Backdrops in IFF 16 & 256 colour formats.

PRE RELEASE OFFER £19.99 + p&p for all orders received before 12th January 1996

E.M.Computergraphic's INDEX is a CD containing thumbnail index screens (just like the EMC Phase1, 2 & 3 CDs) of the graphics contained on a wide range of CDs. INDEX offers you the opportunity, perhaps for the first time, to view the graphics that are contained on CDs that should have included indexes in the first place! If you've ever been frustrated by searching through countless CDs to locate an image, INDEX is the answer! Even if you don't have all the CDs covered by INDEX, you can use it to view the contents of a particular CD before you decide to buy it!

CDs covered include...Pro(!)Fonts & Clipart, Graphic & Adult Sensations, World of Clipart, ProPics, Pandora, RHS Color Kollection, Aminet 3-7, Multimedia Toolkit1, Clipart Heaven, Fresh Arte, Mother of all Clipart, PCX Potpourri, Publique Art, So Much Screenware, SciFi & Fantasy, Gifs Galore, Clipart Goliath, Clipart Warehouse, GifGalaxy and Almathera's CDPD3, Demo, Demo2, 10 on10 & DTV CDs.

PRE RELEASE OFFERS

£11.99 + p&p for all orders taken before 15 Dec. '95
£12.99 + p&p for all orders taken between 16 Dec. '95 and 12 Jan '96
£13.99 + p&p for all orders taken between 13 Jan. '96 and 9 Feb. '96

E.M.COMPUTERGRAPHIC'S
INDEX
RELEASE DATE:
12th FEBRUARY 1996
£14.99 + p & p

SO, YOU HAVEN'T GOT A CD DRIVE?

Well, don't despair, we are now selling all volumes from E.M.Computergraphic's AWARD WINNING PD/Shareware library at HALF PRICE! All you need to do is refer to your EMC Info pack, select the volume(s) you want, add up the total order value, divide the result by 2 and add £1.00 for postage. Then send, fax or phone your order through quoting **"EMC HALF PRICE OFFER"**. If you have any queries, please don't hesitate to phone.
This is a limited offer. Please note: £10 minimum order value (after discount) for this offer!

Special Christmas Offer

Order EMC Phase 1 & 2 together for £44.99 + p & p
Place a pre release order for EMC Phase 3 and get EMC Phase 1 & 2 for £39.99 + p & p
p & p... UK - £1.50, Europe - £5.00, Rest of World - £7.50. (These offers are valid until 12th January '96)

NOTICE TO OWNERS OF RETAIL OUTLETS

IF YOU HAVE A SHOP THAT SELLS AMIGA PRODUCTS AND YOU ARE INTERESTED IN STOCKING THE RANGE OF EMC'S CDs PLEASE CONTACT US FOR TRADE DETAILS & PRICES!

MasterCard VISA DELTA EUROCARD

E&OE

Cheques / Postal Orders payable to: ***E.M.COMPUTERGRAPHIC***
Cheques are subject to 5 working day clearance

E.M.COMPUTERGRAPHIC

8 EDITH ROAD, CLACTON, ESSEX. CO15 1JU
Tel : 01255 431389 Fax: 01255 428666

Frank Nord delves into the murky and misunderstood world of copyright law

publishing

Code violator

Continuing our commercial publishing theme this month, I thought we might take a look at copyright law and how it affects the DTP'er. Although you might think that no-one is interested in whether or not you use copyrighted images, sounds or text, this is usually only due to the fact that you might have a very small circulation for your work. However, as famous cases prove (particulalry in the Music Industry), people are willing to strenuously fight for the right to be credited (and paid for) their own work – you would feel the same way if someone was ripping you off. Although copyright law is pretty complex, fortunately, as long as you stick to the basics, you should be alright. The basics in this instance are that copyright law is founded on one major principle which is to protect the products of someone's skill, labour or time.

Something you might not be aware of is that there is no copyright in facts, news, ideas or information, but there **is** copyright in the way they are presented. So, although you can print that a television programme or a football match will be on at a certain time, you can't print a whole schedule of TV programmes or football fixtures, because you would have to make use of a list prepared by someone else. Normally, it is in the television companies' interest to supply TV scheduling information to newspapers because of the publicity they need in order to get adequate viewing figures, but companies that exist to make a profit from such schedules will often have to pay for the information; TV listings magazines and pools companies are particular examples.

Copyright exists in anything you produce (whether it be written, photographed, painted, played or any other form of creative work) from the moment you record it and exists for fifty years from the **end** of the year you die. This is where most PD companies fall foul of copyright law by selling scans of images taken from books, fantasy artwork by artists like Chris Achilleos, Boris Vallejo and Frank Frazetta being particularly popular with people. It is, however, unlikely that any of these companies will be prosecuted because it can be in the interest of the body holding the copyright to allow violations like these for the purpose of disseminating their work to a wider audience who might not come across it any other way.

Letters

Another example of everyday copyright law exists if you've written a letter to Amiga Computing. In this instance you still retain the copyright of the letter and we have the right to print it once, but we could fall foul of copyright law should we reprint it in a collection of letters or give it to Amiga Action to print (because it was sent to AC).

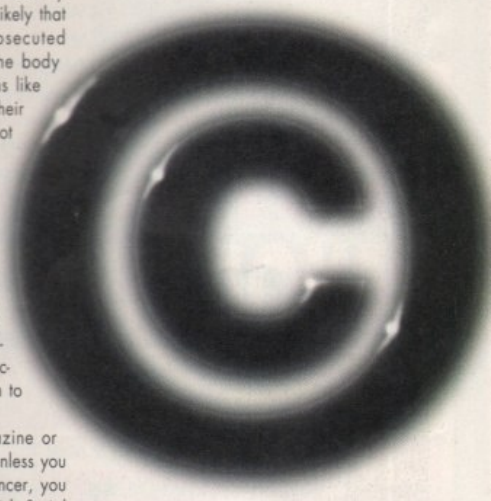
If you are creating your own magazine or newsletter, you need to be aware that unless you specify it in your contract with a freelancer, you only have what are known as 'First British Serial Rights', which means that you are entitled to print the article once, after which copyright reverts to the author. You can get around this by making them sign your terms and conditions which specify that the magazine you are editing should retain all worldwide rights to the work produced by the freelancer.

Obviously, if you are writing a magazine and you are reviewing something you will be allowed to sample sections of whatever it is you are reviewing, whether it be a book, film, play or piece of software, without breaching copyright. After all, if you couldn't, you would have a hard time printing your review! Even so, you must make sure that you don't overuse your source material; quoting an entire chapter from a book would be a breach of copyright, a single paragraph wouldn't. In any case, you should always acknowledge your source and any quotes you make must be entirely accurate - no paraphrasing allowed.

Lastly, copyright exists on what are vaguely termed 'typographical arrangements'. Logos, mastheads and product labels are an example of this. This copyright exists for twenty five years from the end of the year in which the 'typographical arrangement' was first introduced.

Copyright free?

There are a few sources of copyright free information, music being a particular example, but the major one is any information made publicly available by act of parliament such as the Highway Code or any of the innumerable citizens' charters.



AMIGA COMPUTING

Our magazine's logo is covered by the 25 year copyright law covering 'typographical arrangements', so think twice before you use it...

PageStream progress

PageStream 3.0h2 landed on my desk some weeks ago now and I've been playing with it ever since. Why 3.0h2? The reason for it is the fact that SoftLogik didn't name it3.0i and then make 3.0i into 3.0j because they told people that 3.0i was going to be the last version before 3.1. But they hadn't added all the features they wanted to to make it worth calling 3.0h2 3.0i. See? Well, no matter.

Anyway, what's new? For a start, one of the biggest changes is the fact that you can now use TextFX, an optional add-on. TextFX has already received quite a lot of press, so here are the basics. With TextFX you can take a piece of frameless text and wrap it around a circle or distort it simply by clicking on a button. And as if that wasn't enough, you can actually add your own TextFX shapes using PageStream's ARexx interface.

Most of the rest of the new version's updates are simply bug fixes or improvements in speed and efficiency, but separations are still not fully implemented, which is the biggest limit on PageStream 3's usefulness in a professional capacity.

REPAIRS

WHILE-U-WAIT !!

That's a Promise

COMPUTERS & MONITORS

NEW LOW FIXED PRICE

Attention Dealers

Ring/Fax Now for best trade prices and terms on Repairs, Spares, Floppy Drives, Hard Drives, CD Rom Drives and Memory Upgrades.

- FAST TURN AROUND.
- 90 DAYS WARRANTY ON ALL REPAIRS.
- £10 EXTRA CHARGE FOR WHILE-U-WAIT SERVICE
- COURIER CHARGES £6.00 + VAT EACH WAY
- A1500/A2000/A3000/A4000 £QUOTATION

A500, A500+ & A600

£39.95

A1200

£49.95

APOLLO A1200 ACCELERATORS

Call for Best Prices

2.5" HARD DRIVES FOR A600/A1200

PRICE MATCH!!

60Mb	£59.95	258Mb	£129.95
80Mb	£69.95	340Mb	£169.95
170Mb	**£99.95**	510Mb	£249.95

All hard drives are pre-formatted, partitioned with workbench loaded, and include 2.5" IDE cable + software

2.5" IDE Cable + Software £9.95

3.5" HARD DRIVES

Call for Best Prices

BEST AFTER SALES SERVICE

MEMORY UPGRADES

A500	Upgrade to 1 Meg £13.95	A500+	Upgrade to 2 Meg £19.95
A600	Upgrade to 2 Meg £19.95		Upgrade to 1 Meg with clock £29.95
A1200			

0Mb	2Mb	4Mb	8Mb
£49.00	£109.00	£165.00	£279.00

33MHz PFU + Crystal.....£39.95

GUARANTEED SAME DAY DESPATCH (SUBJECT TO AVAILABILITY)

INTERNAL FLOPPY DRIVES

A500.....£29.95 A600/A1200.....£34.95

CHIPS ✣ SPARES ✣ ACCESSORIES

1 Meg Fatter Agnus	£19.00	8520 CIA A600/A1200	£14.50
2 Meg Fatter Agnus	£24.00	8374 Alice A1200	£30.00
8362 Denise	£9.00	8364 Paula A600/A1200	£16.50
8373 Super Denise	£18.00	Video DAC A1200	£19.00
5719 Gary	£7.50	A600/A1200 Keyboard	£60.00
8520 CIA A500/A500+	£15.00	Lisa A1200	£35.00
8364 Paula A500/A500+	£12.00	Gayle A600/A1200	£25.00
Kickstart ROM V1.3	£15.00	Budgie A1200	£30.00
Kickstart ROM V2.04	£22.00	Mouse (290dpi)	£15.00
Kickstart ROM V2.05	£29.00	SCART Lead	£15.00
A500/A500+ Keyboard	£50.00	Mouse Mat	£4.00
6570 Keyboard Chip	£20.00	10 boxed branded disks + labels	£6.00
68000 Processor	£8.00	Printer Cable	£6.00
Power Supply for A500/A600/A1200	£30.00	100 Disk Box	£7.00
A2000 Power Supply	£60.00	Squirrel SCSI Interface	£59.00

* All chips are available en-stock
* Please call for any chip or spare not listed here.

HAMA GENLOCKS for Amiga

Please call

AMITAR

INCLUDING SQUIRREL SCSI INTERFACE

CD ROM DRIVE QUAD SPEED

£249.95

NOW AVAILABLE

A1200 without Hard Drive £299.95
A1200 with 170Mb.....£369.95
A1200 with 258Mb.....£399.95
A1200 with 340Mb.....£449.95
A1200 with 510Mb.....£549.95
* Call for more good deals

ANALOGIC
ANALOGIC
ANALOGIC

Analogic Computers (UK) Ltd
Unit 6, Ashway Centre, Elm Crescent
Kingston Upon Thames, Surrey KT2 6HH

Open Mon-Fri 8.00am - 5.30pm, Sat 9.00am - 5.00pm Fax: 0181 541 4671
** NEW OPENING TIMES ** STARTING NEW YEAR 1996 ** NEW OPENING TIMES

Tel: 0181 546 9575

★ All prices include VAT ★ All prices subject to change without notice ★ Fixed charge for repair does not include disk drive/keyboard
★ We reserve the right to refuse any repair ★ P&P charges £3.50 by Royal Mail or £6.00 + VAT for courier ★ Please allow 5 working days for cheque clearance

VISA MasterCard

Phil South starts up his Amos program and shows you more coding hints and tips

Amos Code warrior

To emulate your favourite arcade games it is essential that you get good control of your ships, aliens and other flying things. A lot of people find it hard to get their brains around making a control mechanism which provides you with control for both the mouse and the joystick, but help is at hand because here is a routine which will do both very elegantly.

First we start by making a bob:

```
Bar 0,0 To 10,10
Get Bob 1,0,0 To 11,11
```

Having grabbed the bob we clear the screen of all distractions:

```
Hide : Curs Off : Cls 0
Double Buffer
```

and then we are off. The double buffer command in there is to make the sprite movements a bit smoother.

The routine works like so: The mouse and the joystick can move anywhere between _TOX,_TOY and _BOX,_BOY, in this example 0,0 to 320,200. The variables _DOX and _DOY govern the X and Y speed of the bob across the screen. _SOX and _SOY govern the initial position of the bob on the screen. So we set up these variables:

```
_DOX=1 : _DOY=1 : _SOX=160 : _SOY=100 : _TOX=0 :
_TOY=0 : _BOX=320 : _BOY=200
```

Then we are ready for the main loop:

```
DEEPJOY:
If Joy(1)
If Jup(1) and(_SOY>_TOY)
                Add _SOY,-_DOY
        End If
If Jdown(1) and(_SOY<_BOY)
                Add _SOY,_DOY
        End If
```

These two commands check for the up and down movement and move the bob up or down 1 Y unit. Next:

```
        If Jleft(1) and(_SOX>_TOX)
                Add _SOX,-_DOX
        End If
        If Jright(1) and(_SOX<_BOX)
                Add _SOX,_DOX
        End If
```

We do the same for the X moves of left and right, and if they are detected, then we move the bob 1 X units across the screen. If no joystick moves are detected, we sense for the mouse, like so:

```
X Mouse=X Hard(_SOX)
        Y Mouse=Y Hard(_SOY)
Else
        _SOX=X Screen(X Mouse)
        _SOY=Y Screen(Y Mouse)
End If
```

This turns the mouse moves into moves for the bob, and sends these co-ordinates to the bob. Finally we can move the bob itself:

```
Bob 1,_SOX,_SOY,1
```

which takes the _SOX and _SOY co-ordinates and sends them to the bob to move it to that position.

Then with a return to the front of the routine we can start the whole process again:

```
Goto DEEPJOY
```

This happens a lot every second, so you always get an update and the bob follows wherever you point the joystick or mouse.

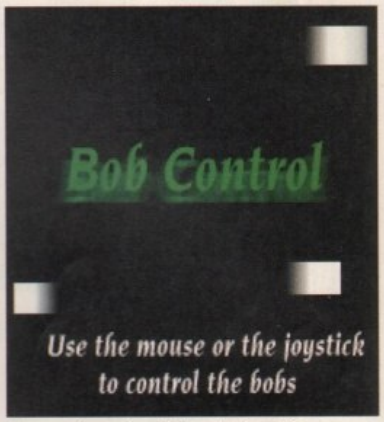
This is the version of the routine which works as a subroutine, i.e. if you replace the GOTO at the end with RETURN, then you can call it from a subroutine. If, however, you replace the GOTO loop at the end with END PROC, and feed all the data to the routine via the Procedure call, like so:

```
Procedure DEEPJOY[_DOX,_DOY, _SOX,
_SOY,_TOX,_TOY,_BOX,_BOY]
If Joy(1)
If Jup(1) and(_SOY>_TOY)
                Add _SOY,-_DOY
        End If
        If Jdown(1) and(_SOY<_BOY)
                Add _SOY,_DOY
        End If
        If Jleft(1) and(_SOX>_TOX)
                Add _SOX,-_DOX
        End If
        If Jright(1) and(_SOX<_BOX)
                Add _SOX,_DOX
        End If
X Mouse=X Hard(_SOX)
        Y Mouse=Y Hard(_SOY)
Else
        _SOX=X Screen(X Mouse)
        _SOY=Y Screen(Y Mouse)
End If
Bob 1,_SOX,_SOY,1
End Proc
```

then you can use the routine anywhere in a program, and just call it as if it is a function of Amos. To call the process all you have to do is add a line:

```
DEEPJOY[1,1,160,100,0,0,320,200]
```

and the proc will run. (Be sure to call it every time the program does a loop or you won't be checking for the joystick.) There you have it, a modular, easy-to-use joystick control routine which you can re-use anywhere.



An easy-to-use joystick control routine

I would be interested if anyone can construct a routine which reads the mouse and pointer and joystick, but uses one pointer for the mouse in one area of the screen and another for the ship on the screen, like having a menu on one area of the screen (using LIMIT MOUSE) for the mouse moves, and another area of the screen for controlling the ship. Or you could have the mouse used to aim a gun and the joystick to control a character on screen, meaning you could move and shoot in any direction at the same time. This is not hard and a simple variation of this basic routine.

WRITE STUFF

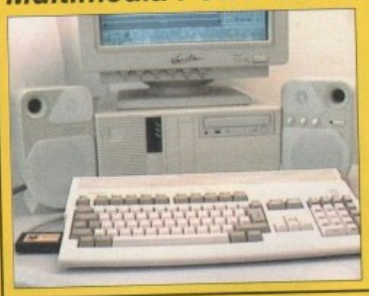
If you have any other Amos programs or queries about Amos, please write to the usual address, which is: Phil South, Amos Column, Amiga Computing, Media House, Adlington Park, Macclesfield SK10 4NP.

Please send routines on an Amiga disk with notes on how the program works on paper, not as text files on the disk. Make the routines short enough to appear in print, i.e. no more than about 30-40 lines of code and, if possible, make them use no external graphics, or if they can't be used without them then be sure to provide them on the disk in native IFF format, and the same goes for sound files. Follow these guidelines and you'll be sure of making me a happy man if nothing else.

HiQ Limited

The Storage and System Design Specialists Tel +44 01525 211327

Multimedia PowerStation options for all Amigas



PowerStation Specifications:-

1. 200 watt power supply for complete Power Systems.
2. Good looking high quality steel construction.
3. Five drive bays, various mounting configurations.
4. Ideal monitor stand and cables slide underneath.
5. High speed Squirrel SCSI2 interface from Hisoft.
6. Dual speed, highly CD32 compatible CD-Rom drive.
7. Power and Hard Drive LED's.
8. Future expansion potential.
9. Low cost when compared to single drive cases.
10. Mix CDRom and Amiga audio outputs thru speakers.
11. Computer speed indicator, 2 speed switchable.
12. DOES NOT VOID WARRANTY.

Rave reviews in all Magazines

Tower Version

PowerStation pack Prices

Includes 2 x SCSI CDRom + Squirrel

Stereo speaker version	£329.95
Desktop version	£299.95
Tower version	£299.95
Carriage	£12.50

FREE CD OFFER

PowerStation Case Prices

includes internal Audio & SCSI Cables

Stereo speaker version	£129.95
Desktop version	£99.95
Tower version	£99.95
Carriage	£12.50

The Greatest Drive since the Model T Ford

Well the wait is over and the future has arrived in the shape of the new Panasonic PD System SCSI Optical drive. This unit is a Hybrid 650Mb, Quad speed CD-ROM and Optical Read/Write system. (Yes, you did read that correctly!).

Now you can read all of your favourite CD Titles at over 600Kb per second and by purchasing the low cost 650Mb cartridges you have 650Mb of storage space always on line just like a conventional hard drive.

!Limited Supply!

3 FREE CD OFFERS

Internal Drive Unit	£599.95 inc. VAT
650Mb Cartridge	£49.95 inc. VAT
External Case	£59.95 inc. VAT

!! HiQ STAR DRIVE BUYS !!

A1200 420Mb IDE
Only £124.95

A1200 540Mb IDE
Only £139.95

A1200 850Mb IDE
Only £189.95

All drives formatted, and Magic Workbench plus PD Software installed. Free fitting for personal callers.

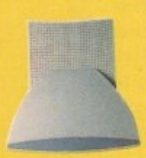
A1200 Cable Pack **£20**
Post & Packing £7 (CityLink)

SCSI 3.5" Drives

Quantum 540Mb FireBall	£179.95
Quantum 840Mb Trailblazer	£229.95
Micropolis 2.1Gb AV drive	£769.95

Samsung New "M" Range Monitors

The new Samsung "M" Range monitors are only for the serious Amiga user. They work at above the frequency range of the Amigas so you need to run in Double Pal mode, but the display is the best you will see from the largest monitor maker in the world!



15" does not support DBLPal
15" Gle ..£329.95, 15" Gli £399.95
17"supports DBLPal
17" Gli ....£649.95, 17" Glsi ..£749.95
P&P £12.50

Soon to be made in the UK

COMING VERY SOON

Full blown S-Video quality digital Video Recording, Editing and Playback system for PowerStation users only.

Features:-

- Digital SVHS / Comp recording.
- Encoded SVHS / Comp Video Output.
- Full Digital Video Editing software includes many high quality DVE effects.
- Upgrades Processing power.
- 16 bit Audio recording and Playback.
- Includes Mpeg playback facility.
- Mpeg file creation software included.
- 1024 x 768 16 bit colour display.
- Add Panasonic PD drive for instant studio.

Prices from approximately £1,500

Squirrel SCSI Interface

© Copyright Hisoft 1994

Need we say more £54.95 +P&P

Quad Speed versus Dual Speed (SCSI) CDRom drives

Q. Is Quad Speed the Future?
A. No, around the corner are the new multi Gigabyte CDRom drives.
Q. Is the extra speed useful?
A. In some circumstances, but most CDRoms developed to run in Dual speed.
Q. What about very high quality video 4-500kb/sec?
A. Yes, 15 minutes worth. All Video setup for 150kb/s for 70 minutes.
Q. What do HiQ know about it anyway?
A. See the MultiMedia CDRoms we develop for companies like Samsung.

Hi-Fi quality active stereo speakers

(Suits all Amigas)
Specifications:-
1. 80 watt active stereo
2. Built in amplifier
3. Colour matched
4. Volume, Bass and Treble
5. Excellent Bass response

Price only £39.95 P&P £7.00

All Prices include VAT

HiQ Ltd, Gable End, 2 The Square, Hockliffe, Bedfordshire LU7 9NB.

EMail address:- Compuserve 100432,711

Tel 01525 211327 **Fax 01525 211328**

Paul Overaa takes a look at a handy Midi gadget from Forefront Technology

music

Hand signals

Most musicians, as they get more and more into Midi, find they start to collect all manner of extra bits and pieces – through boxes, mergers, switchers, extra sound modules and so on. Those of you who are this far down the Midi trail and are looking for something a little different may therefore like to know about a little box called the FT3 that can be used to generate various Midi messages and modify Midi data as it passes through the unit.

The FT3 is manufactured by Forefront Technology and is a hand held, battery driven (9v PP3) device that measures just 120mm(L) x 66mm(W) x 39mm(H). Controlwise it's a pretty simple affair – there's a top panel which contains a 12-key keypad (plus led indicator) and a side panel containing an on/off switch, Midi In and Midi Out terminals. There's also a mini-jack socket which is used to connect an optional external footswitch.

One of the most popular uses of the FT3 is as a program change generator for Midi-based musicians who are not using sequencers. A guitarist, for instance, might use an FT3 for remotely selecting echo/reverb effects on a Midi controlled digital delay unit. Now, for an Amiga-based musician running a sequencer, this particular sort of use is unlikely to be of much interest since program change commands are best added directly to the song sequences themselves.

Where the FT3 starts to become of more interest is with some of its other functions. You can check Midi leads to see whether they are faulty or not and in fact, the same function can be used on a whole chain of Midi gear to confirm that it is all properly connected. Rapid system checks can also be carried out by sending Middle C Note on and Note off messages on every channel.

There's an 'input activity' mode that provides a visual (led) indication that Midi messages are arriving at the FT3's Midi In terminal, and the unit can be set to respond to either any Midi message or messages on a specific channel. Needless to say, these sorts of things can be handy during fault finding. In addition to this you can also rechannel incoming Midi data and perform 'keyboard split' type operations on incoming Midi data – so that notes on a given channel above a user selected Midi note get retransmitted on a Midi channel one higher than the original channel.

Forefront Technology's FT3

Filtering

It's also possible to use the FT3 for Midi stream filtering. Real time messages (clocks, start, continue and stop), active sensing, system reset, tune request, Midi Timecode, song select, song position and sysex messages can all be selectively passed or filtered as required. There's a channel filter mode as well. Note on/off, channel and poly aftertouch, program change, pitchbend, controller and all note off messages can again all be selectively filtered or left unchanged on a given Midi channel.

You can, incidentally, also turn running status on or off and this can be useful with certain types of older Midi equipment that doesn't recognise this type of short message format. (Running status is the technique of using 'implied status bytes' to reduce the amount of traffic on the Midi lines). In addition to this, the FT3 can act as a Midi clock generator – you just switch the unit to its Midi clock generation mode and key in a bpm (beats per minute) value. After starting clock generation you can use the unit's '' key to alternately send start and stop messages (or you can use a footswitch attached to the program increment jack to trigger the start/stop commands).*

There's more

There are also a number of more esoteric functions provided by the FT3 including the ability to send raw Midi data, i.e. send messages that you create by entering the appropriate decimal numbers for each byte of the message (particularly useful to programmers who write their own Midi programs).

Of course, if you're into any sort of programming, even Basic or ARexx, you can actually use the FT3 as a remote Amiga controller for almost any purpose imaginable. It's easy enough to open the serial device from ARexx and read bytes of Midi data sent by the FT3, and that data could be used to trigger the running of programs, display of pictures and so on.

While the FT3 is not something that most Midi musicians would need to use on a daily basis, it is a flexible device that is particularly useful for the more advanced Midi user. I've certainly found it to be an invaluable gadget to have around on many occasions!

Bottom Line

Product:	FT3 Patch Commander
Price:	£79.99
Supplier:	BCK Products
Phone:	01992 524442

Ease of Use	8
Implementation	8
Value for money	8
Overall	8

FOR ALL YOUR PD NEEDS

MG's PD

(AMC) The Old Farmhouse, Rosefield, Balbeggie, Perth, PH2 6AT
Tel: 01821 650488

Fast, Friendly, Efficient Service. Orders returned same day 1st class

1000's of demos, music disks, animations, slideshows, utilities, glamour etc.

GAMES
CARDZ ALL IMG AMIGA
This is a conversion of Klondike AGA, also many of the cardsets. Brilliant!
THE PYRAMID GAME (2)
BANDITMANIA D
FRUIT MANIA
ZOMBIE APOCALYPSE
DOCTOR STRANGE 2
BLACK DAWN 2
SPELLTRIS
ATOMIC
FLAMING ENGINES
MISSILES OVER XERION (2)
DEMON (BRILLIANT CARD GAME)
POKER MANIA
LAST LAP
DONKEY KONG (NOW ALL AMIGAS)
GAMEBOY TETRIS
DELUXE PACMAN (STATE WHICH AMIGA)
BALDERS GROVE V2
ROAD TO HELL
OBLIVION
BLASTER (NOT 600/PLUS)
PUB DARTS
PUZZWORD
PARRA ATTACK
TETRIS PRO
MEGABALL
ANT WARS 1.9
BATTLE DUEL
JUMP-EM
T-RACER
PSYCHEUAL
80 QUESTIONS

1200 GAMES
HOI'S AGA REMIX
FEARS 2
JINX AGA (2)
TETRIS DEUEL AGA
SAMURAI SHOWDOWN
ROCKETZ
CYBERTECH CORP (2)
MAD FIGHTERS 2 (3)
MEGABALL AGA
MASQUERADE (2)
EVIL INSECTS
DELUXE PACMAN AGA
PSSST AGA
JETSET WILLY 3
CRYSTAL HAMMER
CARD GAMES DELUXE (3)
KLONDIKE DELUXE (FLOPPY) (3)
KLONDIKE 3 HD ONLY (4)
NOW OVER 60 KLONDIKE CARDSETS AVAILABLE

UTILITIES
MANDELLA
IMAGE STUDIO 2 (2)
DOPUS COMPANION
SPONDULIX V5
AMIGA DOS TUTORIAL
DOPUS EXTRAS
SCOUT SYSTEM MONITOR
AMIGA E V3
DOS MAN
FREE COPY V1.9
AUTOSTEREOGRAM
VIRUS CHECKER 6.58
PRO GAMBLE V2.1
TURBO SUITE V3
MAGIC DISK CREATOR
MAGIC WORKBENCH 2
AWARD MAKER 2
X FILES GUIDE
BOOKY BEATER 1.1

1200 UTILITIES
VIEWTEK 2.1
AGA ICON EDITOR
A1200 FINAL TEST
BLITZ BLANKER 2.5
VIDEOTRACKER AGA
MAND 2000
3D STEREO KIT
SWAZ BLANKER 2.7
A-Z OF LIGHTWAVE OBJECTS (5)
256 COLOUR ICONS
ICONIAN
SUPER VIEW AGA
IMAGINE TEXTURES GUIDE
FUNNY BACKGROUNDS
DIY REKO (MAKES CARDSETS WITH IMAGE FX)
BALLS AGA (LOTTERY PREDICTOR)

SPECIAL OFFER
BUY ANY 10 DISKS FROM THIS ADVERT FOR ONLY £8.00 INCLUDING P&P. ANY 20 DISKS £15.00

Over 10,000 disks - Send 3 x 1st class stamps for 2 catalogue disks

Fish Disks 1 TO 1000	Assassins 1 TO 250	17 Bit Disks 1 TO 3800+	All disks 90p P&P 70p per order	Please make cheques & PO's payable to M. Grieve

AMIGA REPAIRS

FIXED PRICE ONLY £42.99 incl. (A500/+, A600 ONLY)

★ Price includes PARTS, LABOUR, DELIVERY & VAT
★ 90 day warranty on all repairs
★ 24 hour turn-around on most repairs
★ All upgrades purchased from us fitted free with repair
★ Includes FULL DIAGNOSTICS, SERVICE AND SOAK test
★ If drive or keyboard need replacing add £10

Est. 14 Years

AMIGA A1200 Repairs only £52.99 – Fully inclusive

SPECIAL OFFERS

NEW A1200s (Limited stock – phone for details)	£299.00	A500 Motherboard v7 (Fully populated (KS205))	£59.00
A570 CD ROM DRIVE (Works with A500 & A500 Plus)	£65.00	EXTERNAL DRIVE (For A500/A600/A1200)	£38.99
A500 Internal Drive	£29.95	A600/1200 Internal Drive	£35.95

CHIPS

8372A 1 Meg Agnus	£24.50
8375 2 Meg Agnus	£24.50
LISA (A1200)	£32.70
8374 Alice (A1200)	£32.70
8362 Denise (A500)	£8.60
8373 Super Denise	£10.40
5719 Gary	£7.60
8520 CIA (A500/+)	£12.00
8520 CIA (A600/1200)	£12.00
8364 Paula (A500/+)	£12.54
8364 Paula (PLCC)	£10.70

CHIPS

68000 CPU	£5.50
Video DAC (A1200)	£19.50
Kickstart 1.2	£4.20
Kickstart 1.3	£16.50
Kickstart 2.04	£22.40
Kickstart 2.05	£19.90
Kickstart 3.1 (A500)	£55.00
Rom Sharer	£15.00
NEW Modulators	£29.50
Xchange Modulators	£18.00

All spares are factory NEW and genuine Commodore parts. All come with 12 months warranty (Except chips).

CHIPS

A500 Keyboard	£38.00
A600 Keyboard	£29.00
A1200 Keyboard	£34.00
A500/600/1200 PSU	£28.50
A2000/A3000 PSU	£65.00
VGA Adaptor	£6.50
2.5" HARD DRIVES	P.O.A.

WE CAN SUPPLY ANY AMIGA A500/600/1200 SPARE PART AND KEEP A FULL STOCK

Add £1.50 P&P on chips, £3.00 P&P on drives & PSUs. We reserve the right to refuse repairs.

************ATTENTION ALL DEALERS************
Our company offers the most competitive dealer repair service on all home computers. Credit facility available. SEND FOR FREE INFORMATION PACK TODAY.

Service HOTLINE Tel (0116) 247 0059 Fax (0116) 236 0840

DART Computer Services (AC), 105 London Road, Leicester LE2 0PF

The Guild of Master Craftsmen

DART Computer Services
A division of D.A. Computers Ltd

COLOUR KITS for MONO PRINTERS

Ever wished you'd bought a colour printer instead of a mono one? Wouldn't it be nice to print out pictures in colour? Now you can with Amiga "FlexiKolor Kit". Each Amiga FlexiKolor kit comes complete with everything you need to print in colour, including superb software. The colour kit is simple to use, the ribbons fit exactly the same way as your black ribbons so it will not affect your guarantee. Also on all models listed below paper alignment is automatic, you do not have to manually align. PRINTS AS GOOD AS COLOUR PRINTER. If your printer is not listed below please phone. Amiga FlexiKolor kits for Star LC10, LC20, all Star 24 Pin. Panasonic 1080/81/1123/1124. Epson FX80, FX100, LQ800 etc. Citizen 120D+, NEC P6, P6+. Please note colour kits come complete with coloured ribbons. Anti banding now included in software. **COMPLETE KIT £39.95**

FLEXIDUMP 3

NO MORE BANDING!
NO MORE WHITE LINES!
COLOUR GRAPHICS LIKE YOU'VE NEVER SEEN BEFORE!

A large range of printer ribbons & reloads always in stock

Yes it's true the new Flexi 3 will remove banding and white lines from dot matrix & bubblejet printers. Now you can have laser quality on your printer.
Other new features include:-
★ Balanced control for picture enhancement ★ Select area to be printed ★ Select size to be printed ★ Page control ★ Colour sieve ★ Ink correction ★ Automatic poster mode for larger than A4 ★ Gamma correction ★ Spooler for colour letterheads etc ★ Colour separation ★ Now with anti-aliasing to remove jagged edges ★ Large range of dithering (dot pattern) ★ Variable level of shingling to totally remove banding and white lines ★ Colour catalogue function will print a miniature of each picture configuration between 1-8 acrossyou. ★ Suitable for Citizen, Epson, Hewlett Packard, NEC, Panasonic, Seikosha, Star and just about any dot matrix or inkjet/bubblejet/ lazerjet printer.

~~ONLY £39.95~~ CARE SPECIAL £29.95
UPGRADE FLEXIDUMP TO FLEXIDUMP 3, ONLY £14.95 INC. RETURN MASTER DISK

COLOUR PRINTER RIBBONS & RELOADS

Just take the top off, take out the old ribbon and reload it with a new one. Full instructions supplied.

	Complete ribbon	One reload	Five reloads
Citizen Swift/ABC/224	£11.95	£6.99	£29.95
Panasonic KXP2123/2124/2180	£9.99	£6.99	£29.95
Panasonic KXP2135	£9.99	£6.99	£29.95
Star LC200 9 pin	£9.63	£5.99	£23.95
Star LC24-10/20/200	£9.63	£6.99	£29.95
Star LC24-30/LC240	£8.99	£4.99	£19.99
Seikosha SL95	£14.95	£6.99	£29.95

INKJET REFILLS

For: HP DESKJET 500, 510, 520, 550, 500C, 550C, 560C. EPSON STYLUS 800, 1000. CANON BUBBLEJET BC-01, BJ10E/EX/SX, BC02, BJ200, BJ130, BJ300, BJ330. OLIVETTI JP150, 250, 350. CITIZEN PROJET.

6 Refill Kit 120ml pure black £16.99
CANON BJC 600, BJC 4000
20 Refill Kit 120ml pure black £16.99
EPSON STYLUS four refills 120ml pure black £16.99
EPSON STYLUS TRICOLOUR refill, 2 refills of yellow, magenta & cyan 180ml £24.99
Print Head Recovery Fluid for unblocking nozzles £5.95
TRICOLOUR REFILL KITS FOR H.P. DESKJET RANGE
Canon BJC600, BJC4000 etc. 10 Refills of Yellow, Magenta & Cyan 180ml £24.99
Important: Please state type when ordering.

SPECIAL RE-INK

For Panasonic 1080/81, 1124, 1180, 2123, 2135, Star LC200 9 Pin, Epson LQ100, Oki 182/390. Black bottle will re-ink 100+ ribbons £9.95

BLACK PRINTER RIBBON RELOADS

Just take the top off, take out the old ribbon and reload it with a new one.

Citizen Swift/ABC/120D 5 black reloads £9.99
Epson FX80/LQ800 Range 5 black reloads £11.99
Seikosha 1900/2400/SL95 5 black reloads £9.99
Star LC10/20/100 5 black reloads £4.99
Star LC24 Range 5 black reloads £9.99
Star LC24-30/LC240 5 black reloads £14.99

T-SHIRT PRINTING RIBBONS

PRINT ON NORMAL PAPER IRON ON T-SHIRT

4 Colour Citizen Swift/ABC/240 ..... £19.99
4 Colour Citizen Swift (Reload) £9.99
4 Colour Star LC10 ..... £10.99
4 Colour Star LC200 9 Pin £12.99
4 Colour Star LC200 9 Pin (Reload) £7.99
4 Colour Star LC200 24 Pin £19.99
4 Colour Star 24 Pin (Reload) £9.99
1 Colour Star LC10 ..... £9.99
1 Colour Star LC200 9 Pin £9.99
1 Colour all Star 24 Pin £9.99
1 Colour Epson FX80/LQ400/MX80 ..... £9.99
1 Colour Epson LX80 ..... £9.99
1 Colour Panasonic KXP 1080 ..... £9.99
Wide range of other ribbons available.

How to order: Enclose cheques/PO made payable to: CARE ELECTRONICS or use Access/Visa

CARE ELECTRONICS
Dept AMC, 15 Holland Gardens, Garston, Watford, Herts, WD2 6JN. Fax: 01923 672102
ORDER LINE ON 01923 894064
ALL PRICES INCLUDE VAT AND CARRIAGE

Become a 2D special effects wizard and learn how to make your designs end with a bang

2D paint

The big bang

The process of creating graphic images is much like the process of creating a modern movie. From storyboard, the image then goes into production, and finally the special effects are added. I've covered the basics of storyboarding and image production, so this month I'll be explaining simple special effect techniques which can breathe life into your designs.

To create realistic special effects you need to understand what the effect actually looks like, how it happens and how it affects the other elements in the picture. As an example, lets take a look at good old rain – something we're all familiar with.

The only reason we actually see raindrops is due to light entering them and then being reflected. As a side effect of this union, any objects covered by the raindrops appear to be brighter in colour. We now have a fairly good understanding of raindrops and also a clue to emulating the effect in a paint package – brighten. Read on.

The special effects you use depend heavily on the type of image you are creating and the general subject matter. Using last month's city scene as an example, I needed to create an unobtrusive rain effect as well as a glow around lights simulating a wet and polluted atmosphere. With an understanding of the raindrop effect described above, I realised that an adequate simulation of rain could be achieved by simply drawing it over the background using the Brighten draw function.

On the Spare page, I simply drew a few short lines at an angle, grabbed them as a brush and painted it down continuously till I had a downpour. I then grabbed the entire page as a brush, enabled the Brighten effect with a setting of 10 per cent, and stamped the brush over the background. Voilà – perfect rain!

Brilliance's wealth of effect modes. DPaint is equally well-endowed but you'll have to use the menus

The Brighten tool was then used again to create the glowing light effect. A circular red light was first created on the spare page then, using the filled circle tool with a Brighten setting of 15 per cent, I drew a circle larger than the light to create a glow on the background. The red light was then placed over the centre of the glow with the anti-alias effect enabled. Drawing more, smaller brightened circles just off the main glow, I was able to simulate a lens flare. You can put the Brighten effect to many more uses, smoke for example.

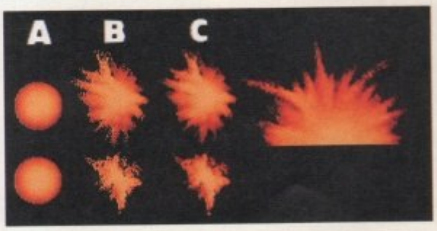
Glowing lights and rain made easy with the Brighten function. You can even simulate lens flares reasonably well

PLAYING WITH FIRE

The next effect demonstrates how easy it is to build new special effects by combining your paint package's tools together. Remember, the best designs come by way of experimentation and not by sticking to the rules.

One of the most difficult effects to create is that of an explosion or blast. Obviously being rather chaotic, it's not the sort of thing you can plan on paper, so a series of effects are needed to give it that chaotic edge. The first thing to do is think of the colours and create a suitable spread (transition) of colours – probably yellow, through red to black – and the more colours you have the better it will look. You should then set the spread dithering amount to between 15 and 40 per cent so that the final explosion doesn't look too pixely.

Now you can begin to lay down your explosion. Select the filled circle tool and set the fill mode effect to Spherical. Enable the anti-alias so that it is smoothed with the background and then paint the circle down, placing the spherical angle at the very centre. You should end up with a circle, yellow in the centre and changing through red to black as it expands.



Superb explosions can be created by combining just a few of your paint package's tools together

This effect is pretty good in its own right but still looks too contrived and pixely. To finish the explosion, use a large pen with the connected draw mode, switch on the Smear effect, and then drag arms of fire outward from the outer area of the circle. Finally, select filled rectangle with Smooth set at 100 per cent and draw a box over your explosion. When you see the finished effect you should be pleasantly surprised.

You could easily make the explosion occur on a flat surface, such as a road, by simply cutting the bottom half away after smoothing. You can see this type of explosion on the diagram.

With effects such as explosions, it's worthwhile building up a collection of different special effects to save time with future projects. Also make notes of any effect values you use so that you know exactly what settings do what.

From next month I'll be leaving static images alone for a short while to take a look at animation techniques. If you have discovered any useful special effects, send them in to Amiga Computing and I'll endeavour to include them in future articles.

FREE FREE UNDERGROUND FREE FREE

GAMES CHEATS 1.4 EMULATOR ON ALL ORDERS — LIBRARY DISK — POST & PACK ON ALL ORDERS

PLATFORM GAMES
- 1191 DR. STRANGE 2
- 1201 A12 WEIRD WILLY
- 1202 JOUSTER 3
- 1217 DUCK DODGERS
- 1218 TRAP-EM NO 1.3
- 1225 BOUNCE NOT 1.3
- 1233 ROACH MOTEL
- 1243 A12 TECVENTURE

SPACE BLASTERS
- 911 SOLO ASSAULT
- 1083 DE-GALAGA 2.5
- 1139 TRACER NOT 1.3
- 1158 THESIUS A12

ARCADE GAMES
- 555 HUGO V2 5 DISK
- 912 RUDOLF - SANTA
- 1062 M.A.S.H. V1
- 1168 S-TANKS V185
- 1169 PSYCHUEL NOT 1.3
- 1179 A. BASH NOT 1.3
- 1187 2DSK DARK ANGEL
- 1192 2DSK A12 D.N.X.
- 1206 GORY XMAS
- 1207 SHOOT BADDIES
- 1221 DUDES NO 1.3
- 1232 C-TANKS NO 1.3
- 1235 LEDCLONER 2
- 1237 ARTILUS 2 NO 1.3
- 1239 A-NET NOT 1.3
- 1241 DUNE 3
- 1242 GALLEONS
- 1244 EARTH DEFENCE
- 1265 FRENTIC NOT 1.3
- 1267 CATAPULT NO 1.3
- 1272 BYKER BABES A12
- 1277 A1200 POWEROIDS
- 1281 A12 FUNHOUSE

P.D. VERSIONS
- 024 ELF & PP HAMMER
- 025 HUNTER PLUS
- 022 GODS-TI/MACHINE
- 026 ROBOCOP-TI/RECALL
- 027 CHUCK ROCK-ICE
- 522 OSCAR CD A1200
- 815 LEMMINGS PACK
- 1075 A1200 ELFMANIA

COMBAT GAMES
- 290 FIGHT WARRIORS
- 492 KARATE WARRIORS
- 938 MARTIAL SPIRIT
- 941 FATAL BLOWS
- 1238 WEAPON MASTER

CLASSIC GAMES
- 011 ASTEROIDS
- 225 BOMBJACKY
- 308 DONKEY KONG
- 692 SPACE INVADERS
- 693 MISSILE COMMAND

DRIVING GAMES
- 469 THE ROAD TO HELL
- 613 HIGH OCTANE 2
- 735 AUTOMOBILES
- 951 FLAMING ENGINES
- 1055 3DSK HYPER-RACE
- 1057 A12 TURBO-JAM
- 1059 MANSELL NOT 1.3
- 1072 SUPER-DRIVE
- 1132 A12 LAST LAP
- 1224 INTERSTATE NO 1.3

SIMULATORS
- 332 SEALANCE-SUB
- 333 BATTLE CARS V2
- 544 AIR WARRIOR
- 811 CAR MANIACS
- 926 HELICOPTER
- 1133 M. F. TANKS
- 1250 SPEEDWAY V2
- 1273 A12 TRAIN DRIVER

SPORT GAMES
- 366 GOLF 18TH 2 DISK
- 630 TEN PIN BOWLING
- 686 SPORT CHALLENGE
- 822 CRICKET AMOS V2
- 1014 CRAZY GOLF
- 104 FUTURE FOOTBALL
- 1171 2 DSK C. ANGLER
- 1247 UNSENSE SOCCER
- 1251 FRE TENNIS A1200

HINTS & CHEATS
- 418 1000 CHEATS
- 931 BACKDOOR V3
- 821 PASSWORD MANIA
- 813 GAME TAMER V4.5
- 820 MEGA CHEATS
- 681 SIERRA SOLUTIONS
- 1118 UP TO DATE V1
- 1143 NOSTROMO V5

OVER 18 GAMES
- 101 TERROR LINER V1
- 1001 2DSK ADVENT 2
- 1081 ADULT TETRIS
- 1145 NUMBERS A1200
- 1248 STRIP POKER

TETRIS - COLUMNS
- 013 TET-TREN TETRIS
- 107 TWIN-TRIS TETRIS
- 293 DR-MARIO COLMS
- 294 KLACK-TRIS COLMS
- 390 DIZZY DIAMONDS
- 597 TETRIS PRO
- 611 HOT-BLOX TETRIS
- 626 MEGA-BLOX TETRIS
- 657 ZYNX COLUMNS
- 964 TEAM TETRIS
- 971 SPELL-TRIS
- 1074 STATIX NOT 1.3
- 1215 A1200 BLIT-TRIS
- 1240 ROCK-SLIDE
- 1245 V-ATTACK NOT 1.3

PAC-MAN GAMES
- 102 LADYBUG PAC MAN
- 230 SUPER PAC MAN
- 252 YUM YUM PAC MAN
- 397 DELUXE PAC MAN
- 592 PAC MAN RETURNS
- 923 BOMB32 PAC/M A12
- 1070 PLAT-MAN
- 1096 PUC-MAN
- 1138 A12 CYBER MAN

BREAK-OUT & PONG
- 003 MEGABALL V1
- 007 BATTLE PONG
- 421 REBOUNDER PONG
- 459 MEGABALL V2
- 559 MEGABALL V3 NOA5

BOULDERDASH GAMES
- 121 MARATHON MINES
- 254 EMERALD MINES
- 351 ROYAL MINES
- 391 DIZZY LIZZY MINES
- 480 BLUE DIAMONDS
- 731 HAUNTED MINES

PUB-CLUB GAMES
- 222 FRUIT MACHINE
- 375 CARDS SOLITAIRE
- 497 WINNING POST
- 560 DARTS NOT 1.3
- 598 PIN BALL NOT 1.3
- 932 MEGA FRUITS
- 010 POKER ARCADE
- 1073 CARD PACK
- 1112 A12 CARDS V3
- 1140 A12 3DSK POKER
- 1190 2DSK HOT HANDS
- 1246 CRIBBAGE CARDS

BOARD GAMES
- 032 MONOPOLY USA
- 296 RISK (GLOBE-WAR)
- 476 CHESS GAMES
- 631 SCRABBLE
- 910 NEW MONOPOLY
- 1185 CRIT-HIT NOT 1.3

ADVENTURE GAMES
- 116 STAR TREK 2 DISK
- 297 NEIGHBOURS 2 DISK
- 1136 A12 FEARS V2
- 1180 DEMON 4DSK A12
- 1182 CASTLE A1200
- 1203 MURDER 4DSK A12
- 1209 THE LOST PRINCE
- 1230 MUGSIES
- 1231 POUND ISLE NO 1.3
- 1266 3 DISK PANIC-SO
- 1278 2DSK A12 S-HEADS

STRATEGY GAMES
- 967 COL-CON V2 NOT 1.3
- 1170 2DSK A12 LORDS
- 1188 2DSK S-COMBAT 3
- 1189 CARNAGE NOT 1.3
- 1222 F-FORCES NO 1.3

PUZZLER GAMES
- 859 10 PUZZLE GAMES
- 914 JINX A1200 2 DISK
- 953 CHANEQUE 2 DISK
- 1066 MINDBENDERS V1
- 1211 GEMZ GAME
- 1236 SHUFFLE NOT 1.3

MANAGER GAMES
- 321 AIRPORT
- 322 MICRO MARKET
- 404 METROS MANAGER
- 868 THE SUPER LEAGUE
- 876 SCOTTISH LEAGUE

QUIZ GAMES
- 309 THE QUIZ MASTER
- 462 WHEEL OF FORTUNE
- 716 POP MUSIC QUIZ
- 1031 TREK QUIZ 5 DISK

LOGIC GAMES
- 112 DRAGON'S CAVE
- 119 DRAGON'S TILES
- 323 OXYD LOGIC
- 530 OTHELLO
- 603 EXIT 13
- 1037 MARBLES GAME

AMIGA LEISURE
- 205 AMIGA PUNTER
- 228 PERM CHECKER
- 886 LEAGUE EDITOR
- 1210 LOTTO LUNACY
- 1262 LOTTERY PRO A12

A1200 MEGADEMOS
- 1015 2DSK TAZ-QUEEN
- 1104 2DSK OXYGENE 2
- 1130 ROOTS V2
- 1146 FULL MOON
- 1184 BOSNISMETAL
- 1186 NOSTROMO 12
- 1193 LEMMINGS
- 1204 INTROS VI
- 1208 2DSK JAZZ WAVE
- 1213 SCOOPEX ARTCORE
- 1220 JAMMIN A12
- 1270 DOOM RAVE A12
- 1274 CONTROL-2 DISK

AMIGA MEGADEMOS
- 262 2 DISK PREDATORS
- 269 DIGI INNOVATION
- 430 2 DISK DATA X
- 460 TEKNO RAVE
- 979 PREACHER NOT 1.3
- 1084 ASCII NOT 1.3
- 1087 SHAKKA LAKKA
- 1104 2DSK OXYGENE
- 1105 OXYGENE V1
- 1114 FUDGE AGA
- 1120 2DSK TAZ-QUEEN 2
- 1177 2DSK DRUG STORE

A1200 SLIDE SHOWS
- 740 4 DISK MANGA
- 1040 3DKS AGA GIRLS
- 1271 PIXEL STORMS
- 1280 ERIKA N GLAMOUR

AMIGA SLIDE SHOWS
- 061 PAT NAGEL'S GIRLS
- 704 REVELATIONS
- 936 AVIATION HISTORY
- 1060 3DSK LION KING
- 1107 5DSK BOLDLY GO
- 1117 2DSK TREK GUIDE

ARTWORK PACKAGE
- 349 SPECTRA COLOUR
- 465 KIDS PAINT
- 561 ARTISTIX
- 664 FUSION PAINT
- 748 ILLUSION PAINT

ARTWORK PROGRAMS
- 070 GRAPHIC UTILS
- 071 GRAPHICS CON KIT
- 133 FRAC LAND BUILD
- 1195 IMAGE DESK A1200

ANIMATIONS
- 080 VIRTUAL WORLDS
- 084 PUGGS IN SPACE
- 233 COOL COUGAR
- 271 NEWTEK V2 2 DISK
- 302 ODYSSEY SD NOTA12
- 347 NEWTEK V3 2 DISK
- 463 MR POTATO HEAD
- 474 MISS MAMSELLE A12
- 831 RED DWARF
- 861 AMY AT THE MOVIE
- 865 TAROT MASTER 2 DISK

AMIGA VIDEO
- 148 S - MOOVIE
- 329 VIDEO INSCRIPT
- 790 VIDEOTRACKER 5 DISK

MUSIC MAKERS
- 202 MED V3.2
- 204 SOUNDTRACKER
- 220 FUNK KEYBOARDS
- 431 RAVE KEYBOARDS
- 618 MUSIC DATABASE
- 661 MED WORKSHOP 4DISK
- 729 DRUM MACHINE
- 738 OCTAMED V2
- 787 SONIC DRUM KIT
- 866 OCTAMED TUTOR
- 981 AUDIO ENGINEER
- 1099 QUADRAPLAYER
- 1268 HIPPO PLAYER
- 1279 KARAOKE MACHINE

CLASSIC - POP
- 201 PIANO CLASSICS
- 213 DIGI CONCERT V2
- 234 VIVALDI 2 DISK
- 248 EXPRESSION V2
- 342 AMIGA-DEUS
- 473 RHYTHM'S DANCER
- 1088 MELLOW CD MIX
- 1147 CD JUKE BOX

SAMPLES - MODS
- 206 SELECTION 7 DISK
- 218 HOUSE 2 DISK
- 619 DRUMS 2 DISK
- 647 SOUND FX 3 DISK
- 660 KORG 01W 8 DISK
- 1275 2DSK XMAS MODS

AMIGA EMULATION
- 313 V1.3 TO V2.0
- 327 ACTION REPLAY
- 378 A600 NUMBER PAD
- 414 V2.0 TO V3.0
- 423 2 DISK SPECTRUM
- 719 4DKS C64 + GAMES
- 889 PC EM 2 DISK
- 891 B.B.C. MICRO
- 955 V3-V2 TO V1.3
- 1198 MACINTOSH NO 1.3

DISK COPIERS
- 158 X.COPY PRO
- 325 LOCKPICKER V2
- 357 COPY AND CRACK
- 380 NIBBLER (NIB)
- 416 MAVERICK V5
- 727 MULTI TASK (MT)
- 1252 LOCKPICKER V1

HARD DRIVERS
- 490 8 DISK MAGIC W/B
- 501 R/D PREP A1200
- 533 H/D SUPERLOCK
- 621 H/D STACKER
- 665 MR BACK UP PRO
- 779 W/B 3 INSTALL
- 780 W/B 2 INSTALL
- 1199 GAME INSTALL V4

PRINTING
- 048 PRINTING STUDIO
- 057 TEXT ENGINE V4
- 065 AMIGA FONT 7 DISK
- 100 PRINTER DRIVERS
- 243 AWARDMAKER 5 DISK
- 345 BANNER MAKER
- 393 LABEL DESIGNER
- 394 INVOICE PRINT
- 749 FORM PRINTER

AMIGA BUSINESS
- 092 ACCOUNT MASTER
- 240 ADDRESS BOOK
- 244 SPREADSHEET
- 470 LITTLE OFFICE
- 535 UK S.T.D. CODES
- 691 DAILY DIARY
- 832 DATABASES 2 DISK
- 1121 REM-DATES
- 1267 DDBASE NOT 1.3

COLOUR CLIP ART
- 633 7 DISK CLIP ART
- 637 6 DISK COL/BRUSH
- 901 9 DISK WORLD MAP

MONO CLIP ART
- 172 15 DISK PORTFOLIO
- 558 7 DISK CLIP ART

AMIGA MODEM
- 079 OPTICOMMS V2
- 413 N. COMMS V3
- 690 TERM 2 DISK
- 801 DMS PRO
- 1196 3DSK TERM A1200

PROGRAMMERS
- 288 A-BASIC TUTOR
- 481 ABOUT AREXX
- 722 TONS OF AMOS
- 1034 DION AGA TOOLS
- 1067 AGA DATATYPES

DO IT YOURSELF
- 239 SLIDESHOW MAKER
- 242 MENU MAKER
- 381 ADVENTURE MAKER
- 585 2 DISK PARNET
- 808 MAKE A DISK
- 1181 M.U.I. NOT 1.3
- 1282 PSUITE MAGAZINE

VIRUS CONTROL
- 160 M.V.K. PLUS
- 506 A1200 VIRUS
- 1183 2DSK VIRUS DATA

AMIGA UTILITIES
- 612 4 DSK TOOL KIT
- 1076 AGA TOOL-BOX

DISK & SYSTEM
- 166 SYSTEM TESTER
- 168 HARDWARE MANUAL
- 194 DISK OPTIMISE
- 245 FIX DISK
- 467 FILE UNDELETE

AMIGA EDUCATION
- 059 AMIGA TUTORIAL
- 270 PLANETS 6 DISK
- 304 ENGINES 5 DISK
- 486 LANGUAGES 4 DISK
- 532 MATHS 5 DISKS
- 644 ENGLISH 4 DISK
- 766 GEOGRAPHY
- 1123 WORLD HISTORY
- 1125 2DKS GLOBE FACTS
- 1200 THE TYPING DEMON
- 1269 D/PAINT 4 NO 1.3

DISKS COST £1.25 EACH, NO MINIMUM ORDER, ALL VIRUS FREE AND USER FRIENDLY
All Games are on 1 disk and run on all Amigas unless otherwise stated.
PICK AN EXTRA DISK FOR FREE WITH EVERY EIGHT DISKS YOU PURCHASE

UNDERGROUND P.D., 54 CARMANIA CLOSE, SHOEBURYNESS, ESSEX SS3 9YZ. Tel: 01702 295887

Name: ..... Amiga Model: .....

Address .....

..... Postcode: .....

40p CENTURION P.D. 40p

QUALITY P.D./CD ROM & SHAREWARE

A1200 "AMIGA MAGIC" PACKS . . .

Includes the best Software Package ever supplied with the Amiga.

2 MEG, BASIC PACK Save over £20.00 on the RRP

Only £379.99 or with (HARD DRIVE & SCALA)

Only £479.99 Free P&P on both packs . . .

SEND 2 x BANK DISKS & SAE, FOR *FREE* CENTURION P.D. CATALOGUE DISKS . . .

OR FREE WITH YOUR FIRST ORDER . . .

If you supply your own disks, then pay only 40p per disk, please add £1.00 p&p.
Otherwise all disks are 75p each + add 75p p&p (UK Orders only).
If you are ordering from outside of the UK then please add £1.50 for p&p.

LATEST PUBLIC DOMAIN TITLES

- G203 – TRAP EM
- G204 – GALLEONS
- G205 – EMM/CONFLICT
- G206 – POUND ISLAND
- G207 – PUSH & SHOV
- DM87 – BAT MAN DEMO (2)
- DM88 – ICING INTROS 95 (AGA)
- DM89 – NFA THE WORD 7 (AGA) (2)
- U167 – BELLES PAINT
- U160 – INTERNET UTILS II
- U161 – MULTIVISION 9
- U163 – MULTIVISION 10
- U164 – DISK HELPER 9
- U166 – DISK HELPER 10
- U171 – AMIGA E v3 (2)
- U76 – M.U.I. v2.3
- U170 – STOCK CONTROL PRO v1.2
- G185 – SUPER SKIDDY THINGS III
- G174 – ROCKETZ II
- G178 – COARSE ANGLER (2)
- U137 – DIOPUS COMPANION
- U138 – SHAPESHIFTER v3.08
- U139 – DCAT
- U141 – EASYCALC v2.08
- U142 – REMDATE v2.0
- U143 – MAGIC TRECK PCK (2)
- U144 – ESS AMINET 8
- U145 – ASI MENU CREATORS
- U146 – SUPER DMS
- SS58 – ARTCORE SLIDESHOW
- DM85 – 'BAYGON' DEMO
- DM86 – SURF IN JAZZ WYE (2)
- E067 – KIDS DISK 7
- G186 – SUPER ELF SQUAD
- G181 – LEGIONS OF DAWN
- G162 – APPLEJACK AGA (2)
- G208 – SPEEDWAY CHAMPS
- G183 – MORTAL KUMQUAT III
- G161 – BOOMIN ECK
- G184 – DARK ANGEL

ZOOM CD.....£19.99 – LOCK 'N' LOAD CD..£9.99 – GATEWAY CD.....£9.99
ASSASSINS CD.....£19.99 – POWER GAMES.....£9.99 – GAMER DELIGHT.....£9.99

1,000s of PD Titles to choose from. Many more CD ROM Titles in Stock.

(ALL CDs CARRY FREE P&P)

DOWNLOAD FULL PRODUCT LISTINGS & CATALOGUES FROM THE
"MIDNIGHT EXPRESS BBS"
ON (+44) 01384 86 56 26 (24 HRS)/SOFTWARE READY TO DOWNLOAD NOW

Order Hotline... (01274) 677673 24 hours

TO ORDER: Send your name & address, along with your order to Centurion PD (Dept Comp), 24 Wastwater Drive, Woodcrest, Bradford, West Yorks BD6 2TN. We accept cheques/POs/Eurocheques etc. (Please ensure that you add the correct postage costs)

If you don't see what you want then give us a call & we will try to obtain it for you

WIZARD GAMES

1 NORTH MARINE ROAD, SCARBOROUGH, NORTH YORKSHIRE. YO12 7EY. Tel: 01723 376 586

AMIGA – CHOOSE ANY 3 FOR £20.00 OR £8.99 EACH

10 Intelligent Strategy Games
Addams Family
Amazing Spiderman
Behind the Iron Gate
Cloacwiser (A1200)
Craft for Amos
Crash Dummies
Crystal Dragon
Cybercom 3
D-Generation
Deluxe Strip Poker
Dennis (A1200)
Disposable Hero
European Champions F/Ball
F15 Strike Eagle 2
Fantasy Manager
Fat Man (A1200)
Football Glory
Fun School 2 (8+/6-8/under 6)
Fury of the Furies
Gloom
Guardians (A1200)
Heroquest + Witchlord
James Pond 2 (A1200)
Jet Strike (A1200)
K240
Kick Off 3 Europe (A500)
Legacy of Sorasil
Man Utd League Champs
Marvins Adventures (A1200)
Microprose Golf
Mr Blobby
Nick Faldo
Out to Lunch
Pinkie
Premier Manager 3 (A1200/A600)
Second Samurai (Not 1200)
Shadow Fighter
Shadow Worlds
Skidmarks
Sleep Walker (A1200)
Soccer Kid
Soccer Superstars
Strip Pot (A1200)
Tactical Manager/Italia/Scottish
The Clue
Top Gear (A1200/A500)
Tower of Souls (A1200)
Traps & Treasures
Trivial Pursuit
Trolls
Vital Light
Voyages of Discovery
Wembley Int. Soccer
Wild Cup Soccer
Winter Supersports
World Class Rugby '95
Yo-Joe

When Ordering please give one alternative also which Amiga

AMIGA – CHOOSE ANY 3 FOR £10.00 – PLEASE GIVE 1 ALTERNATIVE

All Dogs go to Heaven
Allo Allo
American Pro Football Sim
Arabian Nights
Armalite
Amie 2
Beast Lord
Borobodur
Brutal Sport
BSS Jane Seymour
Bunny Bricks
Colossus Chess (not 1200)
Cricket
Dalek Attack
Dennis A1200
Dinosaur Detective Agency
Fly Harder
Fools Errand
Football Director 2
Galactic Warrior Rats
Gearworks (puzzle)
Graham Taylor
Guy Spy
Huckleberry Hound
Hudson Hawk
Hungry for Fun
Hyperior
Indianna Jones + Last Crusade Action Game
International Soccer
Jimmy White (not boxed)
John Barnes
Lethal Weapon
Liverpool (not 1200)
Man Utd Europe
Mega Motion
Mega Phoenix
Mega Twins
Mercs
Morph (A1200)
Multi Player Soccer Man.
Nigel Mansell
Pegasus
Pixie + Dixie
Puffy's Saga (not 1200)
Rampart
Resolution 101
Rick Dangerous 2
Road Blasters (not 1200)
Santas Xmas Capers
Savage
Shadow Dancer
Shadowworlds
Sink or Swim
Snapperazzi
Soccer Star World Cup
Sooty + SweepStriker Manager
Spike in Transylvania
Starbreaker
Steve Davis Snooker
Street Hockey
Streetfighter
Strider II
Striker
Sun Croswords
Super Methene Bros
Supernova Fruit Machine
Switch Blade (not 1200)
Switchblade II
The Power
Times Crosswords
Total Recall
Turrican
Turrican II
Ultimate Gold
Ultimate Ride
Volfied
Winter Camp
World Champ Boxing Manager
World Rugby
Xenon 2

When Ordering any games please state which Amiga

A320 Approach Trainer	£27.99	Overlord	£14.99
Alien Breed 3D	£20.99	Sensible Golf	£18.00
Beneath a Steel Sky - Amiga/CD	£14.99	Turbo Trax	£12.99
Citadel	£19.99	Wheelspin	£19.99
Demomaniac	£12.99	Zeewolf 2	£22.99

JOYSTICKS

Footpedals	£10.00
Freewheel	£10.00
Topstar	R.R.P. £24.99 - OURS £4.99

THIS IS ONLY A SMALL SAMPLE OF OUR SOFTWARE

Games subject to availability.

A PHONE CALL RESERVES YOUR ORDER. **Open 6 days a week 9.00 - 5.30**

Price inc. P+P (U.K.)

Europe + £2.00 per game. Rest of the World £3.00.

Shop prices may vary.

Cheques or Postal Orders payable to: Wizard Games.

WIZARD GAMES, 1 NORTH MARINE RD, SCARBOROUGH, N. YORKS YO12 7EY

Tel & Fax: 01723 376586/503299

The final part of Gary Whiteley's look at fonts and their applications in video

Fonts and video

Part 3

Over the last two columns I've outlined the different types of font available to the Amiga user, how to convert them to formats more suited to your needs, something about basic font styles, and a few pointers to sensible font use. This month I'm going to conclude the series with a look at different uses of fonts in video titling and a couple of hints and tips.

In case you didn't know, there are a variety of different techniques under the general heading of video titling – these include captions, titles, subtitles, scrolls, and crawls. Which technique you use could help determine both the size and design of the font/s best suited to the job in hand – though don't forget to also consider the context of the production when making your choice.

The simplest way to video title is 'page-flipping', where a sequence of stills is slowly displayed one at a time to reveal their contents. You can even do this with Deluxe Paint (or other animation programs), so a video titling package isn't strictly necessary if this technique is all you need.

There are almost no restrictions as to how you use fonts with this technique, beyond keeping style and content within sensible limits. Big, small (but keep it readable by viewers), mixed styles, graphics, whatever. Page flipping can be used for titles, credits, captions, and subtitles, but you'll need proper titling software for successful scrolling and crawling.

For subtitling and captioning you probably won't be able to use a large type size, since you'll need to convey the required information within the length (timing) of the shot – therefore, you may need to use small(ish) lettering to achieve this. You'll also need to leave plenty of palette Colour 0 on screen so that we can see the actual subject of the subtitle or caption after genlocking. In practical terms, this generally means sticking to sizes which are usually less than one-sixth of the total screen height (think in lines instead of the usual 'points').

Scrolls and crawls bring their own problems. For crawls (where a single line of text moves horizontally across the screen), follow the guidelines for captions and subtitles. For scrolls, you'll need to work out the best way to lay out your information in context with the images they may be combined with. You'll have to experiment to discover how many characters will fit across the screen in a particular typeface. You'll need to design how the performers and technicians are described, and the running order. You'll also need to use a font or two (but usually no more) which can be read at the speed of the scroll, yet still provide all the information required within the time allowed.

These are the basic techniques, but they aren't the only ones. Scala owners will already know that they can use a wide range of wipes and effects to introduce their text and graphics onto screen, and video users can easily incorporate such presentation techniques into their video titling. Most good video titling programs also allow for at least a limited range of effects, such as teletype (where letters are typed onto screen one by one) and a variety of wipes (parts of the screen are electronically 'wiped away' to reveal the next graphic or caption).

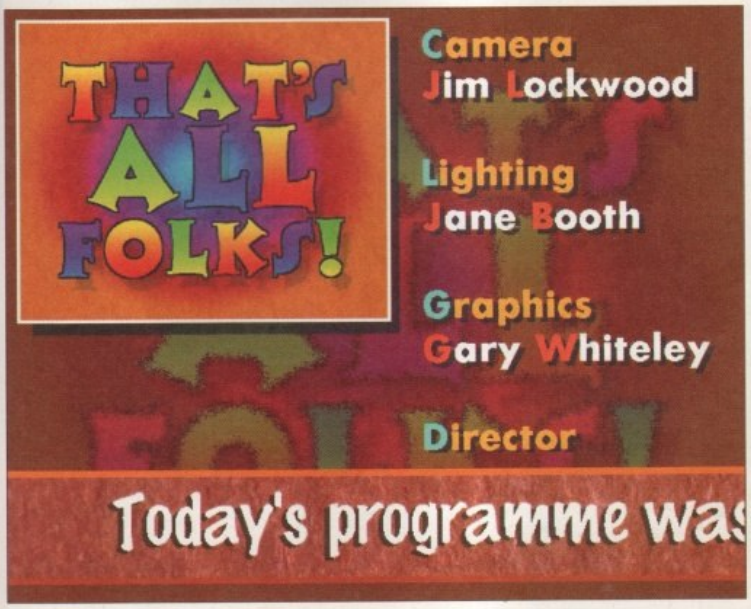
Hot colours

Okay, now some warnings. However much you might be tempted, be very careful about using strong colours when working with graphics and video – especially avoid pure reds and blues and vivid greens and oranges. If you must use these colours, you'd be advised to enclose them within dark or light borders, otherwise they will have a tendency to 'bleed', particularly where low-end video formats such as VHS are being used, or the output from your Amiga is via a modulator or a cheap and nasty genlock (not that I'm saying cheap equals nasty, because it isn't necessarily so).

Big screen

Although not always necessary (for instance if your video will have a 'letterbox' crop) it is usually best to work in a PAL overscan resolution, preferably one around 768 x 580 (programs vary) so that text flows smoothly on and off screen. Lower resolutions produce chunkier images and probably won't look slick enough for classy work, but they do have their place, especially if your Amiga is very basic.

Video titling has a lot of scope, and once you've got a good font and software collection you can start coming up with new styles and methods for your titles. Perhaps the best place to get new ideas for using fonts with video, and to see the classic styles, is to study the idiot box in your living room. There are lots of professionals at work on what you see, so why not learn from them? There's more to good television than just actors and directors – and sometimes it can be the graphics and captions which just help that bit more, but not always.



Okay, I'm breaking my own rules – but I can only get one illustration on the page, so what else can I do?

In closing

If you can, use kerning to space the letters more neatly, and use margins and tabs to keep your text tidy. Don't crowd a page. Use borders and drop-shadows for clarity. The information is there to be read, so let it be that way. Balance style and content, impact and information and you'll be on the right track.

Next Month: Video titling for beginners.

You can e-mail Gary Whiteley as drgaz@cix.compulink.co.uk

classifieds

As long as your ad is ten words or less, it's absolutely free! Should you want more space, you'll find unrivalled value for money - for instance, 25 words cost just £10. Fill in the form below and send it to us with your payments (if applicable) - and remember to include your telephone number!

◆ A1200, A500 contacts wanted. Richard Johnson, 3 Tunard, Grimsby, S. Humberside, ISNS 27LS.
◆ For details of new AGA CD, phone Richard on: 01263 722169.
◆ Amiga 1200, Desktop Dynamite. £200 ono. HD, Printel, Floppy, negotiable. Tel: 01954 202349.
◆ Amiga Buzz BBS, tel: 01924 491461, V. everything. 24hrs, Kewl. :)
◆ Wanted 500/1200 contacts. Ray, 35 Oakfield gardens, Editonton, London, N18 1NY.
◆ Wanted internal hard drive for A600 over 5Mb. Tel: Tony, 0161-865 9398.
◆ Amiga P.S.U. suit any Amiga 500 to 1200 £20. Tel: 01803 299447.
◆ Low capacity hard drive for A600 (internal) wanted. Tel: Tony, 0161-865 9398.
◆ WB3 manual en Espanol (Amiga Guide) 654 2995, D.F. Mexico Jiroll.
◆ A4000030 120Mb 2nd floppy drive. Microvitec monitor. 6Mb RAM H/D. Internal floppy software inc Wordworth, £759 ono. Tel: 01634 389249.
◆ A1200 with HD. £280 - will send C.O.D. Tel: 0956 558024.
◆ Rendale high quality Genlock SVHS/Composite cost £499, bargain £299. Tel: 01271 870549.
◆ Fast contacts wanted. Ed, 4 Bignton Rd, Medstead, GU34 SN13.
◆ Imagine User Group needs you! Phone Spencer on 01375 670036.
◆ A1200 overdrive bare, half price, only £50. Tel: Dean, 01993 846270.
◆ Commercial games programmer wanted. Tel: Ralph Lovesy, 01280 850450.
◆ Emplant board basic, (Mac), £200. Comes with Marathon. Tel: 01263 722169.
◆ A1200, GVP030 50MHz, FPU MMU, 210Mb hard drive, 10 megs memory. Tel: Tony, 0151-487 9218.
◆ B2000 7/120MR SCSI, 1084s, plus software. Excellent condition. Tel: 01245 465487.
◆ A1200 85Mb hard drive, 2Mb RAM, Wordworth 3.1, Philips monitor, £500. Tel: 01245 451697.
◆ A1200 desktop Dynamite 170Mb hard drive. Bargain, £350. Tel: 01703 557313 after 6.30 pm.
◆ Scorpio BBS, 0181 657 4913. 6pm-midnight. 50 plus CDs. Contact John Nicholas, 5 Sandpiper Road, South Croydon CR2 8PP.
◆ A1200, 6Mb 170 hard drive. Books, games, warranty, £600. Tel: 01205 270340.
◆ A1200, 6Mb RAM, 120 hard drive, 1438 monitor, Viper 030, second disk drive, FPU 40, £650 ono. Tel: 01772 797432.
◆ A4000 040/40MHz PAR with capture system. May split, £3750. Tel: 01726 832220.
◆ Seagate 120Mb hard drive, 3 inch IDE, £40. Tel: Germany 5722 5953.
◆ GVP Genlock, £160. DPaint 4 AGA, new, £45. Tel: 01767 640088.
◆ A500 plus WB2, external floppy drive, GVP 49Mb Hard drive, 4Mb SIMMS, complete. £250 or will split. Tel: 0191-454 2058.
◆ A1200 as new, extra drive, 4 joysticks, mouse and mat, 2 samplers, lots of software, magazines, £300. Tel: 01745 887941 after 6pm.
◆ A1200 hardware projects wanted. morris bell@shades.nildram.co.uk or tel: 01670 851382.
◆ A1200 127Mb hard drive, E/drive, C/monitor, loads of software, £470. CDTV, keyboard, disk drive, trackball, £150. CD32 joypad software, £170. Tel: 01322 666771, eves.

ORDER FORM

Name _____

Address _____

Postcode _____ Telephone _____

					FREE
					£6
					£10

Cheques should be made payable to " Amiga Computing"

Please include my advertisement in the next available issue of *Amiga Computing*. I confirm that the advert is not selling illegal copies of software or hardware that do not belong to me. I permit you to publish my address/telephone number only if I have included these details within my advertisement copy. I am over 18 years of age (applicants under 18 must get a parent or guardian to sign below).

Signed .....

Send to: **AMC Classifieds, Media House, Adlington Park, Macclesfield SK10 4NP**

Remember to include your phone number/address in the advert as well as on the form!

AMIGA COMPUTING ADVERTISERS' INDEX

17 Bit Software 116
1st Computer Centre 26, 27
Active Software 70, 71
Analogic 122
Arnold Comp.Supplies 110
Blittersoft 55
Brian Fowler Computers 47
Bus Stop Pd 110
Capri CD Distribution 110
Care Electronics 126
Centurion Pd 128
Dart Computer 126
DTBS 110
E.M. Computergraphics 120
Epic Marketing 97, 101
Force Software 62, 63
Fourth Level Development 23, 73
G.T.I. 114
Games without Frontiers 94, 95
Gasteiner 77
GreyTronics 36, 37
GV Broad Enterprises 110
Harwoods 13, 69, 108, 109
Hi Soft ..... 28, OBC
HIQ 124
ICPUG 110
Kew = II 110
MG's Pd 126
Moore Healy Mkting 110
OnLine Pd 110
Owl Associates 113
Pathfinder Pd 110
PD City 110
PD Soft 50, 51, 52
Power Computing ..... IFC, 3, 33, IBC
Premier Mail Order 118
Premier Vision 86
S & S Computer Supplies 110
Seasoft Computing 34
Silent Paw Productions 113
Siren Software 6, 7, 9
Software 2000 ..... 80, 81
Software Expressions 91
Special Reserve 18, 19
Stylus Inc 66
Underground Pd 128
Visage Computers Ltd 38
Weird Science 59
Wizard Developments 84, 85
Wizard Games 128
Zone 1 Ltd 113

68040 68060

TAKE YOUR AMIGA TO THE MAX

Superior performance. Full on speed. Yours when you add the new Falcon 68040/060 accelerator to your Amiga 1200. It's like never hitting the brakes. State-of-the-art-technology for the ultimate rush. Seriously faster than a 4000/040 at a fraction of the cost. Fit the Falcon, feel the speed. If you dare.

specifications

1.5 Times more powerful than the Amiga 4000/040*

RAM Access 3.5 times quicker than the Amiga 4000/040*

Easily upgradable to the 68060 Processor**

68060 Processor socket built-in

Can host up to 128MB of Local Burst RAM

Fast SCSI-II/III SMA Hard Disk Controller (10MB/Sec)

PCMCIA Compatible and fully auto-configuring

*Speed based on the 68040 25MHz CPU
** Upgrade 68060 price programme available soon
Amiga case needs to be opened and trapdoor modified

68040LC 25MHz
starting from
£429.95

falcon 68040/60

FALCON 68040LC 25MHZ	£429.95
FALCON 68040RC 25MHZ	£499.95
FALCON 68040RC 33MHZ	£549.95
FALCON 68060RC 50MHZ	£649.95
4MB SIMM	£139.95
8MB SIMM	£279.95
SCSI ADAPTOR	£29.95

All Falcon's come complete with a cooling fa

POWER VIPER

starting from
£119.95

viper 28mhz

The Viper 28 can have up to 128MB RAM installed, full Kickstart remapping, optional SCSI-II adaptor, on-board battery backed clock, 68882 co-processor, instruction and data burst modes.

VIPER 28 MKII BARE	£119.95
VIPER 28 MKII 2MB	£199.95
VIPER 28 MKII 4MB	£259.95
VIPER 28 MKII 8MB	£399.95
VIPER 28 MKII 16MB	£569.95

viper 50mhz

The Viper 50 can have up to 128MB RAM installed, and the same features as the Viper 28.

VIPER 50 BARE	£199.95
VIPER 50 2MB	£279.95
VIPER 50 4MB	£349.95
VIPER 50 8MB	£479.95
VIPER 50 16MB	£649.95

viper co-processor

FPU's complete with crystal. Plea state for Blizzard compatibility.

20MHZ FPU PLCC	£20.9
33MHZ FPU PLCC	£39.9
40MHZ FPU PLCC	£60.9
50MHZ FPU PGA	£89.9
SCSI-II INTERFACE (VIPER II ONLY)	£69.9
4MB SIMM	£139.
8MB SIMM	£279.

pc1208

A1200 8MB RAM card which uses 32 SIMMs and is PCMCIA friendly.

PC1208 BARE	£59
PC1208 1MB	£89
PC1208 2MB	£129
PC1208 4MB	£189
PC1208 8MB	£329

warp engines

WARP ENGINES ..... £

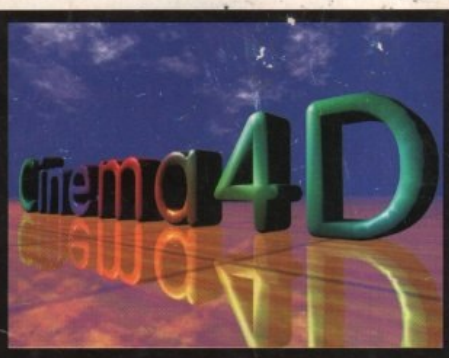
TELEPHONE 01234 273000
FACSIMILE 01234 352207
POWER COMPUTING LTD
44A/B STANLEY STREET
BEDFORD MK41 7RW

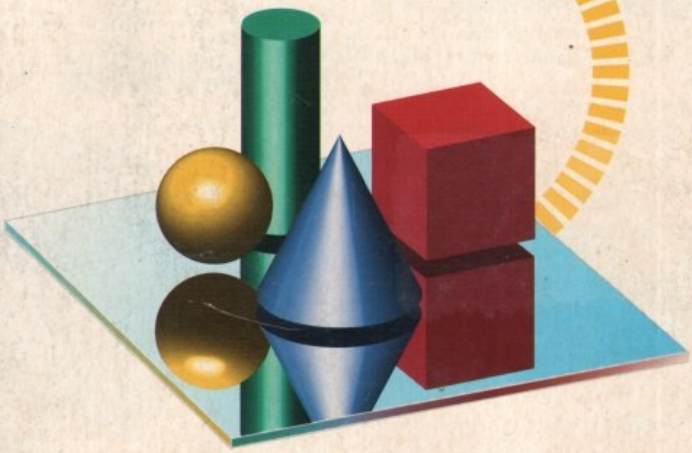
.powe

ALL PRICES INCLUDE VAT. SPECIFICATIONS AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL TRADEMARKS ARE ACKNOWLEDGED. ALL ORDERS IN WRITING OR BY TELEPHONE WILL BE ACCEPTED ONLY SUBJECT TO OUR TERMS AND CONDITIONS OF TRADE, COPIES OF WHICH ARE

Imagine a world where light doesn't move in waves...

Cinema4D™





HiSoft Systems is proud to present Cinema4D - a new world of Amiga ray-tracing. Cinema4D is packed with power-user features that will satisfy even the most demanding users. Moreover, at £199 inc., Cinema4D does not carry a power-user price tag.

Cinema4D provides an easy-to-use multi-tasking editor replete with every conceivable option including window-based realtime interactive modelling, modelling directly in 3D, basic and complex primitives with uncountable variations, easy object manipulation, moveable tool, object and texture lists, definable object hierarchies, optimised versions for 68020 (A1200 etc.) & FPUs and much more!

The Cinema4D animator brings you even closer to the world of "virtual reality", breathing life into objects and scenes. It doesn't matter whether you want to have your spaceship dock with a new spacestation, or take a tour around the darkest dungeon - with Cinema4D it's so simple. With just a few mouse clicks you will have your objects move realistically through time and space.

Cinema4D runs on all Amigas with a minimum of 3MB RAM, and Kickstart 2 or higher. Cinema4D supports all Amiga and graphic card modes (HAM, HAM8, 24-bit,etc.) and recognised file formats (Imagine, Sculpt, DXF, Reflections, etc.).

Free Cinema4D Demo Disk

Please send me some more information on Cinema4D, and my free demo copy of the program. The demo is compatible with any Amiga running Workbench 2.04 (or higher) and with 2Mb, or more, of free memory.

Name: _____

Address: _____

_____

Post Code: _____

You can also obtain a Cinema4D demo pack by calling HiSoft, freephone, on 0500 223660

The world-beating Cinema4D is available from all good Amiga software dealers, priced at £199 inc.

If you experience any difficulties obtaining Cinema4D, you can order free by telephoning our order hotline on 0500 223660, armed with your credit or debit card or you can send us a cheque or postal orders. Please add £3 P&P for despatch to addresses within the UK, £6 for next day delivery (if goods in stock).

© HiSoft 1995. E&OE

HiSoft SYSTEMS
The Old School, Greenfield
Bedford MK45 5DE UK
Tel: +44 (0) 1525 718181
Fax: +44 (0) 1525 713716
hisoft@cix.compulink.co.uk