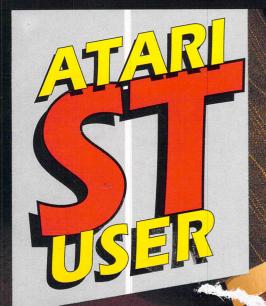
A REAL CHRISTMAS CRACKER OF AN ISSUE



# POSIFIE REPORTED TO THE POSITION OF THE POSITI

This is where your second, FREE CoverDisk should be.

One whole mega game! So where is it?

**Ask your newsagent!** 

If you can read this you don't need glasses

But you do need a CoverDisk

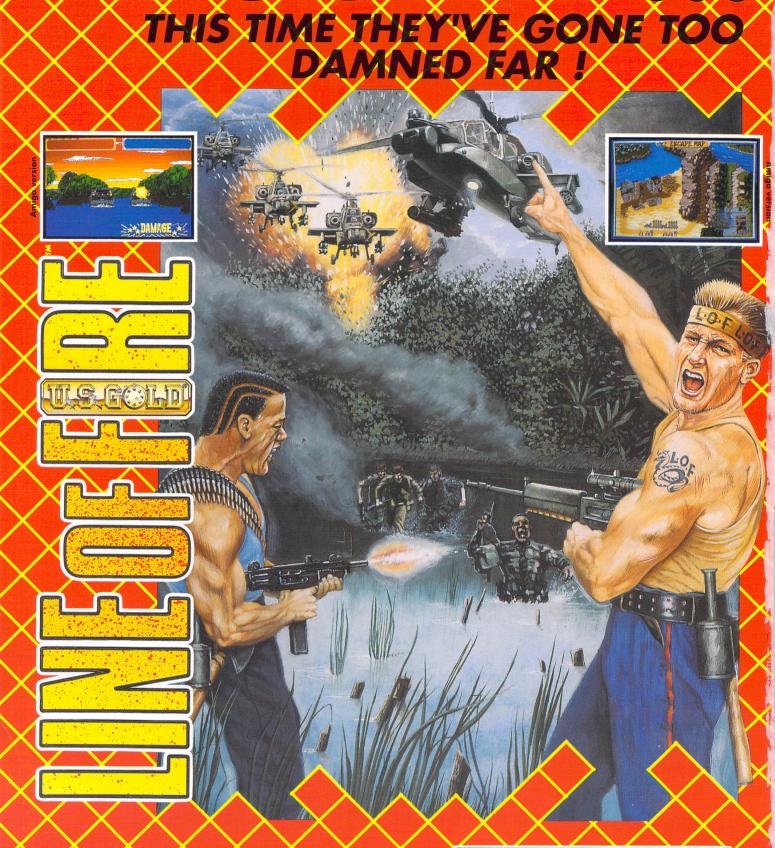
Ask your newsagent!

## Upgrade to the Ultimate ST this Christmas

Plus 1990: looking back Cubeats full review and the illuminating Aspects



## "DOUBLE...



Available on CBM 64/128 & Amstrad cassette & disk, Spectrum cassette, Amigo & Atari ST.



## TROUBLE!

DARE TO WEAR THE ESWAT BADGE ....





Available on CBM 64/128 & Amstrad cassette & disk, Spectrum cassette, Amiga & Atari ST.

Birmingham B6 7AX. Tel: 021 625 3366.

Screen shots are only intended to be illustrative of the game play and not the screen graphics which vary considerably between different formats in quality and appearance and are subject to the computers specifications.



## WHO'S WHO

EDITOR:

ART EDITOR: Garry Ashton-Coulton

NEWS AND FEATURES EDITOR: John Butters

> TECH/DISK WRITER: Simon Lawson

PRODUCTION EDITOR:

DESIGN ASSISTANT: Sue Beattie

> PHOTOGRAPHY: Ashton James

OCCASIONAL ELECTRONIC ART: lan K Tindale (for it was he...)

CONTRIBUTORS: Günter Minnerup, The Cyclops (AndyMitchell), Charles Michael, Jerry Glenwright Mike Wigley, Nick Clarkson, Fielding Mellish, Ian Waugh, Matthew Lodge, Paul Andreas Overaa, Peter Phillips, John Nicholson

GROUP ADVERTISING MANAGER: John Snowden 0625 859555

ADVERTISING SALES EXECUTIVES: Jean Goliner 0243 671149 Fax: 0243 672480 Andrea Fawkes 0625 859555

**REPROGRAPHICS: Match Point** 

**PRINTED BY: Cradley Print** 

MARKETING MANAGER Neil Dyson

NEWSTRADE DISTRIBUTION: Comag Magazine Marketing, Tavistock Road, West Drayton, Middlesex UB7 7QE. Telephone: 0895 444055

PUBLISHED BY: Interactive Publishing Ltd, Europa House, Adlington Park, Macclesfield, Cheshire, SK10 4NP. Telephone: 0625 878888 Fax: 0625 879966

**CHAIRMAN: Derek Meakin** 

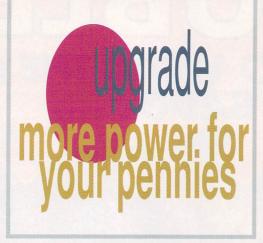
**MANAGING DIRECTOR: Hugh Gollner** 

**COMMERCIAL DIRECTOR: David Hirst** 

## © Interactive Publishing 1991

No part of this magazine may be reproduced in whole or in part without written permission of the publishers. While every care is taken to ensure the printed material is accurate, the publishers cannot be held legally responsible for any errors in articles, listings or advertisements.

## FEATURES



## THE MORE, THE MERRIER.....19

Power up your ST this Christmas. Take a look at the awesome upgrades Aunty Madge could buy for you – but only if you're very, very good...



WAY BACK WHEN....81

What happened to the ST in 1990? And where were you? Take a look at our round-up of what was worth knowing about in 1990

## REVIEWS

## ATARI ARCHIVE......101

Can't be bothered to back up your hard drive? You're really asking for trouble. Here's the simple answer

WRITE ON...... 103

Get stuck into that novel now. Here's the very word processor to make all your wildest dreams come true – move over Jeffrey Archer. Of course, you might just want to type a letter...

## HAND SCANNER.....113

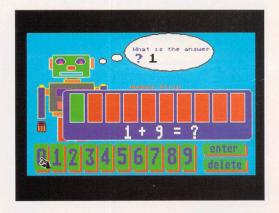
A palm-sized piece of plastic and a power outlet are now all you need to capture stunning images. Fantastic resolution and brilliant reproduction at your fingertips

## EDUCATION PACKAGES......124

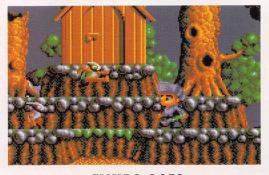
Lots of brand new and re-released educational software for teaching the three Rs. And when you've finished with them, teach your little brother to type – just think of the possibilities...

## CUBEAT......130

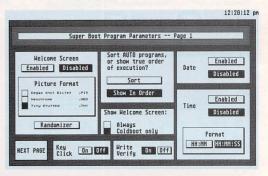
Move over Cubase, here comes the baby of the family, really making some noise. Cubeat is an incredibly powerful program, at about half the price of big brother



## USERDISK January...31



FLIMBO GOES PEARL HUNTING



LOOK, UP IN THE SKY IS IT A BIRD? IS IT A PLANE?

## REGULARS

## John Butters reports on the Comdex Show where

John Butters reports on the Comdex Show where the new Mega STE was unveiled. All the news, hot off the presses – well, hot off the keyboard anyway

## WORLD SCENE ......13

The latest on MegaPaint Professional in Germany, Elie Kenan resigns as Atari general manager, Taiwanese pirates, and more

## PLAYTEST 37

A low rumble in the distance grows to a roar and the horizon fills with the silhouttes of a platoon of tanks – the Red menace. Can you stop them?

## BEGINNERS 88

OK, now you've got the hang of that mouse-clicking business, try some of this...

## ART-WORK! 90

There's a strange look about the moon tonight, but I can't quite put my finger on it...

## PUBLIC SECTOR 93

John Butters gets for free what you used to wish for. This time he has more RAM disks than you could poke a stick at

## MASTERCLASS ..... 108

At last! Uniterm, the popular and comprehensive comms program from the public domain is explained, inside and out

## INTERACTIVE RESCUE ...... 117

Replacing his cape with a fur-lined anorak, 'USER'S very own SSS shares his secrets to make your life run that much more smoothly

## ALL ABOUT ......127

They come in mono and colour, almost all computers use them, you can play games with them and you need them to do DTP. Got it yet?

## 

The answers to all of your most personal questions and comments. PD problems, bad service from companies, trouble with the neighbours, what a great mag this is – know what I mean 'arry?

## ASPECTS

Bach to School with MIDI – a crash course in **MIDI** and **Music**...Second-hand modems and the Michtron BBS in **Communications**...Take a bite out of Apple with **Emulation**... The Cyclops ventures out for the first time in 900 years for some **Adventures**. Smooth out the bumps with outline fonts in **Desktop Publishing** 

MIDI AND MUSIC	139
COMMUNICATIONS	141
EMULATION	143
ADVENTURES	145
DESKTOP PUBLISHING	147

# Just so there's no hard feelings...

This month we're giving you not one but two of our corking CoverDisks. Not only all of the usual programs, features and demos on our CoverDisk, but also a second disk with one complete, playable game – at no extra cost! This is by way of an apology to any of our readers who were worried about the Green Goblin

Virus which found its way onto last month's CoverDisk. For a full explanation of what the Virus does and the program which has been custom-written to CURE it, see UserDisk on page 31.

But for some real fun, bung the Games CoverDisk into your drive and play the games. Oh, and Happy Christmas too!

## SKULLDIGGERY - FROM MANMADE SOFTWARE

Configuration: All STs, mono and colour

Original release price: £19.95

Skulldiggery is a frantic arcade strategy game in the style of that tunnelling classic, Boulderdash. The object of the game is to collect a set number of diamonds from a cavern before the timer runs out.

You have to guide a bouncy cave mite around the caverns (there are 100 in all) in an attempt to satisfy his insatiable appetite for diamonds. The skulls, crystal bats, crazy ghosts, creeping vine, fairy cake, solid earth, and stone and diamantiferous walls keep you hard at it.

Two players can indulge in Skulldiggery simultaneously, working either as a team or in competition with one another. Either way, Skulldiggery is great fun!

Instructions on how to play Skulldiggery are included on the disk in the README.DOC file. Skulldiggery is autobooting, so to get README, boot up with your normal boot disk, put in the CoverDisk, read the file, then switch the machine off then on again to play the game.

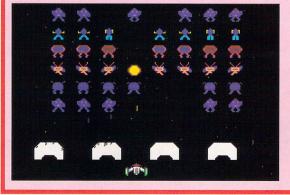


## **ACE INVADERS FROM BUDGIE UK**

Created by Gary Wheaton
Configuration: All STs, colour only, joystick only

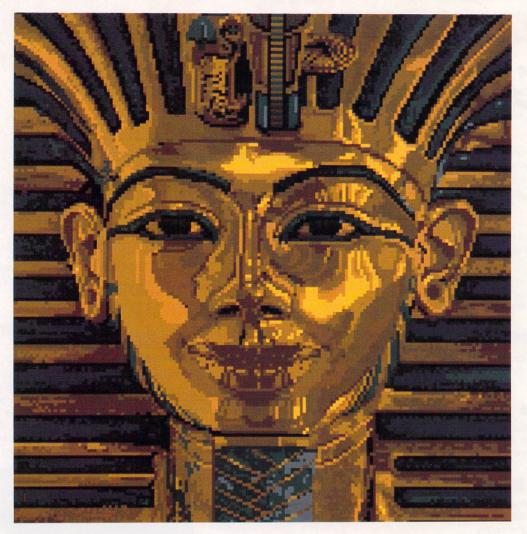
The addictive alienzapping game which shook the world a decade

ago, still has the power to excite arcade freaks up and down the land. Fast-



moving action, thrills and spills as you swoon over the smooth animation, sensational spot effects and scary, unstoppable aliens bent on your destruction!

Instructions on how to play Ace Invaders are included on the disk, in the README.DOC file which is in the SIDE\_2 folder. When you have read the instructions, double click on the ACE.PRG icon to play the game, and start blasting those aliens away.



## Guaranteed to paint a smile on the face of every ST user.

You see, the rumours were true, DeluxePaint on ST is now in the shops.

And there are some who would argue that it's the best on the market.

"The current version available for the ST far outstrips all earlier incarnations."

ST FORMAT.

We'll just say that there's none better.

Now you can design your own fonts, work on multiple animations, print up to poster size, do multi-colour airbrushing and full animation in 512K.

There are also a set of extra features, like mirror symmetry, 3D perspective and split-screen magnification with variable zoom.

And all for only £59.99. So you can see, it's been well worth the wait.

Available now £59.99



## PAGESTREAM GETS AN ENGLISH ACCENT

Silica Systems (081 309 1111) has struck a deal with the American company SoftLogic to become the UK distributor of its desktop publishing program, PageStream. Version 1.82 of the program is expected to be on sale in the UK shortly and will come complete with UK files.

Until now, American versions of the program have been available with English dictionaries, but otherwise they have been unchanged. The new edition of PageStream has been modified especially for the UK. In addition to the dictionary, other necessary changes have been made, such as hyphenation and keyboard layout. However the American manual remains. The program will be fully supported by Silica.

PageStream works in both colour and monochrome and can handle type sizes up to 1,310 point. It will be on sale at £149.95.

Also on the cards from Silica are cut-down versions of the same package. It is believed that programming work on the new versions has finished, and once the manuals have been completed the programs will appear on the streets. This could be before Christmas and they will be priced at less than £100.

Commenting on its decision to supply the DTP programs, Silica Systems spokesman Andy Leaning said, "We feel the time is now



Will PageStream be real competition for Signa's Calamus?

right. The DTP market disappeared for some time, but now we think there is a gap to be filled." He went on to say that the aim was to completely dominate the DTP market in all sections.

Meanwhile, still on the DTP theme, a question mark hangs over the future of Mirrorsoft's top desktop publishing package, Fleet Street Publisher. The company has recently made a

shock announcement that it is to close down the business side of its operation to concentrate on the leisure market.

Other 'serious' Mirrorsoft packages have been moved over to Mindscape but Mirrorsoft has yet to make an announcement on the future of its DTP program. At the moment, the package can be obtained from Mirrorsoft (071 928 1454) as usual.

## MEGA STE TAKES ON THE MACS

The Mega STE has finally been unveiled after months of industry speculation. At the opening of the Comdex Show in the USA recently, the machine which Atari bosses had denied even existed was demonstrated to visitors. It should prove an able performer in the competitive DTP market.

The specifications are similar to those rumoured by experts many months ago and, if the price of the machine is set at a sensible level, the new computer should pose a very considerable challenge to Commodore's new Amiga 1500 and the cheaper machines in the Apple Macintosh range.

The new business machine comes complete with the TT-style Desktop, known as TOS 2.2, and switchable 16/8MHz acceleration. The STE on show had two megabytes of RAM but this can be increased to four.

Inside, there's a 40 megabyte hard disk drive, and externally the machine looks similar to that other new arrival in the States, the 32MHz TT. Unlike the TT, the Mega STE has inherited the familiar Atari-grey casing.

A pair of serial ports and an

Appletalk-compatible local area network port complete the list of specifications. But first reports from the States suggest that the LAN and serial port number two share the same internal connections and so cannot be used at the same time. In addition, there is no SCSI port as on the TT.

At Comdex, the Mega STE was shown working with the new Atari monitor, the SC1435. A 15 inch screen and stereo capability ensures that it will completely replace the old SC1224.

Atari officials in the UK admit that they have evaluation models of the new monitor but say they don't yet have the Mega STE, although a company spokesman did go as far as to say that it could well appear during spring.

The arrival of the Mega STE comes only weeks after Apple Computer slashed the prices on its range of Macintosh computers. In the Apple range, the two megabyte Classic model costs £1,029.25 and also has an internal hard drive.

The Mega STE however, runs twice as fast as Apple's Classic machine and already has quality desktop publishing packages,

such as Calamus and Page-Stream, available for it at a lower cost than Apple software.

The prices of the Mega STE and SC1435 have yet to be fixed, but industry experts indicate that a price tag of under £1,000 for the computer would be appropriate. At the moment, industry sources predict a price of £799.

One Atari machine which may

experience difficulties in the light of the Apple Computer price fall is the new TT, which is only just making its way onto the street.

The TT has been marketed to attract the desktop publishing and computer aided design end of the market, but being priced at almost £2,000, it faces an even tougher battle against the well established Apple micros.



The Mega STE looks very much like the TT pictured above

## **BETTER GRAPHICS**

New from Titan Designs (021 706 6085) is the Reflex Graphic Card which offers vastly increased screen resolution and the ability to drive large-screen monitors. Reflex is the result of almost six months' development. It gives 1,024 x 1,024 pixels on A3 or A4 monitors, with 128K of Fast Video RAM.

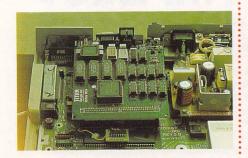
Even standard SM124 and SM125 monitors are given an incredible 1,024 x 800, compared to the normal high resolution 640 x 400 pixels. Its advantages are most noticeable in desktop publishing and computer aided design applications, which are the areas at which it is aimed.

According to managing director, David Glasspoole, the program has been tested with all the main packages and is compatible with them all, including the normally trouble-some Calamus.

One feature of the Reflex Graphic Card is the zoom, which gives instantaneous magnification. An additional expansion board takes the resolution even higher. The card gives the ST a screen resolution of 2,048 x 1,536 – 16 times the normal ST screen area.

In the near future, the company will be selling monitors with the card. Fifteen and 19 inch Landscape models will be available but the price has yet to be fixed.

It is currently available as a plug-in fitment to Mega machines, but in due time a conversion kit is to appear for 520 and 1040ST users. Reflex Graphic Card is compatible with versions of TOS higher than 1.2 and the utility programs Quick ST, TurboST and G+Plus. The card and expansion board cost £228.85 each.



## **PACKAGES REPLAYED**

Microdeal (0726 68020) has released a new version of its highly successful sound sampler, Replay. Replay 8 is a replacement for the older Replay 4 and has been made increasingly attractive to amateur musicians.

Some of the changes to be found in the £79.95 package include a more professional editor, which is said to be equivalent to the one found in the higher-priced Replay Professional. And the two-channel drum sequencers are also based on the higher-specification package.

AVR samples are saved by Replay 8 and they can be loaded and played back directly from one of the firm's other programs, Quartet.

The program runs on any version of the ST or Stacy with 512K memory and will run on monochrome or colour monitors. Owners of Replay 4 can upgrade to Replay 8 for £12. They will receive a new manual and up-to-date software.

Replay has recently been featured on a music video from the dance group King

Bee. The group's video has had extensive coverage on the Astra satellite music channel, MTV, where the Atari ST and Replay can both be seen.

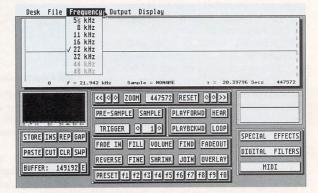
Master Sound 2 is another new product which has recently become available from Microdeal. This low-cost sampler is a major revamp of the Master Sound sampler which was originally launched by Software Horizons a couple of years ago and sold well because of its cheap price tag.

The sampler makes full use of the STE's stereo sound capability and allows

for output through any of the sound ports.

By plugging a cartridge into the side of the ST, sounds can be recorded from devices such as personal cassette recorders. When in the computer, an editor adjusts the sound, then incorporates it into your own programs.

Microdeal says the program has many advantages over the first version, including 3D fast fourier transform display, MIDI compatibility, a volume down option, a choice of compression ratios, and enhanced sample frequencies up to 30kHz.



## ON THE BALL

A new track ball has been added to the range of ST products from Gasteiner Technologies (081 365 1151). The unit has three buttons. The left and right act as mouse buttons, while the third is used as a left lock, removing the need to use two hands to hold the left button and move the ball.

The unit has a lead length of about one and a half metres and if you fancy a twiddle, it will cost you £39.95 for the pleasure.

This should enable all you compulsive fidgets out there to really have a ball.



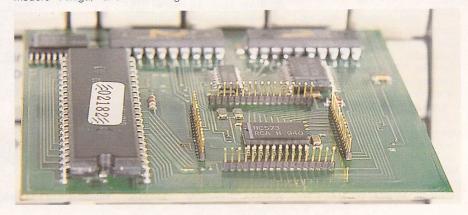
## TRY RUNNING A PC FOR UNDER £100

Compo Software UK (0480 891271) has slashed the price of one of its PC emulators, PC Speed, from £179 to less than £100. And in addition to the price cut, buyers can expect to find a new UK manual and a mouse driver to enable the standard Atari rodent to function with the emulator.

Head of the UK division, Neal O'nions commented that Compo, having opened up in the UK, "understands the market better and realises that people need to be able to get entry-level emulators at a cheaper price."

Existing users can get the new manual and mouse driver by sending £4.99 directly to Compo. From that point on, they will become registered users and receive news relevant to the software. The price of its other emulation product AT-Speed is unaffected by the changes. The company is also poised to

release a mouse from its cage. The unit will be switchable for use with an ST or Commodore Amiga, and continuing with its current naming system, Compo has called its new baby That's a Mouse. Expect to see the rodent on sale for under £100.



## OVERSEAS MEDIA DISTRIBUTORS

OM HOUSE, 139-141 DOMINION ROAD, GLENFIELD, LEICESTER LE3 8JB TEL: (0533) 313188 FAX: (0533) 873999

**OVERSEAS MEDIA DISTRIBUTORS LTD** MINIMUM ORDER VALUE £12.50

31/2" DISKS 25 50 100 200 D6010 OMD 31/2" DSDD 135TPI £19.50 £59.50 £33.50 £115.00 D0110 SONY (UNBRANDED) 31/2" DSDD 135TPI £10.50 £34.50 £60.50 £119.00

\*\*BUY 100 UNBRANDED SONY DISKS & GET A FREE 100 CAPACITY STORAGE SYSTEM - WORTH £9.90\*\*

## DISK STORAGE SYSTEMS



A0023	50 CAPACITY	£7.90
A0053	100 CAPACITY	£9.90
A0063	120 CAPACITY	£10.90
** DIIV	E DISK STORAGE ST	VETERAC

& GET 1 FREE! \*\*

**EXTERNAL DISK DRIVES** 

5¼" AMIGA, D/SIDED, 40/80T

31/2" AMIGA, D/SIDED

31/2" ATARI, D/SIDED

## **ACCESSORIES**

COLOUR SCREEN FILTER FOR 14" MONITOR A1101 £16.50

MICE

NAKSHA suitable for Amiga & Atari X2009 £34.00

X1102 51/4" ATARI, D/SIDED, 40/80T AMIGA HI-RES REPLACEMENT MOUSE

X1110

X1112

X1100

ATARI HI-RES REPLACEMENT MOUSE X2006 £24.50 X2005 £24.50

## COPY HOLDERS



Ref. A0301 With adjustable arm 80 Column Ref. A0302 £13.50 132 Column Ref. A0303 £19.50

Desk Top

PRICES FULLY INCLUSIVE OF VAT & DELIVERY (UK MAINLAND ONLY)

A copy holder that can hold a book A0300

£12.50



## MONITOR STAND

HOLDS 14" MONITOR £14.50



Ref. A0701 All monitor stands revolve 360° and tilt up to 25°

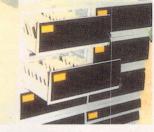
## STACKABLE DISK TORAGE SYSTEMS

STACKABLE • LOCKABLE IMPACT RESISTANT



.31/2" 150 CAP Ref. A0084 5¼" 180 CAP Ref. A0194

£24.50



31/2" 220 CAP. Ref. A0085 51/2" 260 CAP. Ref. A0195 £32.50

## £2.50 DISCOUNT (OR VOUCHERS) FOR EVERY £20.00 SPENT ON OMD DISKS



## SONY

BRANDED DISKS BOXED IN 10's 31/2" DSDD

D5110 £9.90

Prices valid for any quantity! (Boxes cannot be split)



£79.00

£125.00

£85.00

£125.00

STAR LC10 (MONO) H0000 PRINTER

£158.00 (£137.39 Ex. VAT) H0202

PANASONIC KXP 1124 PRINTER

£250.00 (£217.39 Ex. VAT)

INCLUDES FREE PARALLEL PRINTER CABLE!

## **naksha** MOUSE

280 dpi • suitable for Amiga, Atari & Amstrad Includes: Mouse Pad Mouse Pocket

X2009

ONLY £34.00

## **PRINTERS**

## Stole

H0000 LC10 (MONO) £158.00 H0009 LC10 MK II H0001 LC10 (COLOUR) £195.00 £205.00 H0002 LC24-10 £245.00

## CITIZEN

H0100 CITIZEN 120D+ £139.00 H0101 SWIFT 24 X0900 SWIFT 24 COLOUR KIT £320.00 £38.00 H0102 PRODOT 9 £375.00

## **Panasonic**

H0200 KXP 1081 £155.00 H0201 KXP 1180 £170.00 H0202 KXP 1124 £250.00

ALL PRINTERS INCLUDE A FREE PARALLEL PRINTER CABLE.
EMEMBER ALL OUR PRINTER PRICES INCLUDE VAT & DELIVERY

## DUST COVERS

C0102 Amiga A500 £5.50 C0108 Atari 520 STFM £5.50 Printer 80 column\* £4.50 Please specify which printer you have.

## PRINTER RIBBONS

R4820 AMSTRAD DMP2000 £2.75 R4260 AMSTRAD DMP4000 £4.50 R4880 CITIZEN 120D £4.25 R4770 EPSON LQ 500/800 £3.90 R4540 EPSON LX80 £2.90 R2730 EPSON MX80 £2.90 R8440 NEC P2200 £4.50 R2280 PANASONIC KXP 1081 £4.50 R9040 PANASONIC KXP1124 £4.90 B8610 STAR IC10 £3.90 R8696 STAR LC10 COLOUR ORIG. £7.90 R8680 STAR LC24-10 £4.50

Ribbons available for many other printers, please call for details.

## CABLES

A0801 25 Male/36 Male £7.50 A0804 25 Male/25 Male £8.50 A0805 25 Male/25 Female £8.50 A0806 36 Male/36 Male £8.50

All cables are 2 metre. Longer lengths available on request.

## PRINTER STAND

## SPACE

SAVER Made of moulded

plastic. Feeds and refolds paper underneath the printer. Takes up hardly more space than the printer

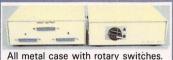


YUS-25A for 80 col. printer. Ref. A0203 £32.50 YUS-25B for 130 col. printer. Ref. A0204 £34.50

## PRINTER BUFFER

A simple low cost solution to increase the size of your printer's buffer.

## MANUAL DATA SWITCHES



Pot 26nin Pot 25nin

	1101.	John.	mu.	Lopin
2 way	X0001	£17.50	X0011	£16.50
4 way	X0003	£22.50	X0013	£21.50
X way	X0004	£24.50	X0014	£23.50

X0200 £76.00

64K IN-LINE PRINTER BUFFER



HOW TO ORDER
IMPORTANT PLEASE REMEMBER TO QUOTE THE REFERENCE NUMBER, WHERE AVAILABLE, OF THE ITEM(S) THAT YOU WISH TO ORDER.
ALSO PLEASE QUOTE THE PRICE OF THE ITEM, ESPECIALLY IF IT IS ONE OF OUR SPECIAL OFFERS.

PAYMENT TERMS: \*CHEQUE: Please make cheques payable to OMD Ltd. and send them to the address above. Please allow 3 days for cheques to clear.

\*CREDIT CARD: We accept Access & Visa Credit Cards. To place your order please telephone on (0533) 313188 Please allow up to 5 working days for delivery. NEXT WORKING DAY DELIVERY SERVICE AVAILABLE FOR £3.75



EDUCATIONAL DISCOUNTS AVAILABLE, PLEASE CALL FOR DETAILS ALL PRICES INCLUDE VAT & DELIVERY (U.K. MAINLAND ONLY)

## **ARChive**

We travel back into the very mists of time and look in amazement at what made the ST headlines all those years ago when...

## FOUR YEARS AGO

Eidersoft had two new products on display at the Atari Christmas Show. ProSprite Designer for designing colour sprite objects on a grid and ProSound for making design of useful sound effects a doddle... Californian company, First Byte did its bit for the education scene by adding four new packages to the market. The names Speller Bee, MathTalk and FirstShapes were all pretty self-explanatory and KidTalk was a word processor helping children to communicate more effectively...

## THREE YEARS AGO

Atari gave assurances that software compatibility problems with new STs running under TOS version 1.09 were only minor and that they would be sorted out rapidly... A low-cost half-megabyte upgrade for the 520ST was launched by Evesham Micros for only £59... Plans for the first hardware-based PC emulator were announced by Alfa Electronics...

## TWO YEARS AGO

Atari completed two deals to ensure sufficient supplies of DRAM chips for its ST... Daatascan, a hand-held scanner, was released from Kempston Data, priced at £275... HiSoft brought out two new programs for the ST. Turbo ST is a desk accessory which speeds up the operating calls that control screen, and FTL Modula-2 which was the first Modula-2 development system for the machine... Following its acquisition of 45 per cent of the Mastertronic Group, Virgin Communications completed negotiations to buy the remaining stock. The result of these meetings was a company called Virgin Mastertronic...

## ONE YEAR AGO

Prospero Software released Developers Toolkit for the serious ST programmer. It can be used to edit Pascal, Fortran, C or Assembler coded source files... A new three-in-one mouse, capable of being used with the ST, Amstrad PC and Amiga was launched by Naksha... The Organisation Against Sexism in Software (OASIS) celebrated its first birthday, with Sandra Vogel vowing it was here to stay and intends to escalate its action in the never-ending battle against sexism... Easytext Plus came from zzSoft, offering budget-priced DTP...

## FOR PAGES WITH FLAIR

A set of new or updated products is to be released by HiSoft (0525 718181) in the next few weeks. Word Flair (£249) is a document processor which is said by the company to be unique in the way it approaches the production of pages.

Word Flair can easily produce text regions which can be linked to a database of customers. From the built-in database, graphics such as pie charts which are relevant to the individual customer, can be imported.

Later in 1991 a new version is expected which will be compatible with other databases.

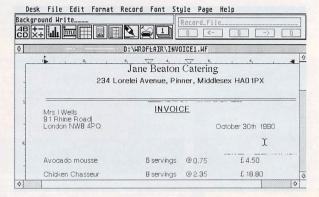
BASIC 2 is a new version of HiSoft's leading programming package BASIC. It

Incorporates STE commands, it has a multi-window editor and is much faster than the earlier program.

The company's two BASIC languages, BASIC and Power Basic, have been combined to produce this

new product at only £69.95.

With the arrival of the TT, the firm is converting its software to make it fully compatible with the new computer. Among these packages are Lattice C which will sell for £249 and Devpac at £129.



## **TEACHING ART**

Among the latest education programs to be released for the ST is Art Tutor. This program sets out to teach people of all ages about art and is the result of a joint venture between Castlesoft (0743 874201) and HAT Software.

The first two of disks are

given over to tutorials, covering subjects such as perspective, anatomy, landscape, colour, design, animals and fantasy.

On a third disk there is a simple icon-driven paint program called Level three and a selection of the relevant public domain programs.

The fourth and final disk, is a picture library containing outlines which can be built up to a more professional-looking picture using the program. Art Tutor will cost £29. Level three will be available separately for about £15.

## STE PORTABLE DENIED

Reports in other sections of the computer press concerning a January release of a portable version of the STE have been firmly denied by Atari. The reports claim that the new version of Stacy will have a 20 megabyte hard disk, four megabytes of RAM and will run at 8MHz.

An updated version of the troublesome Stacy has been awaited for a long time but no details of a release date have been provided by Atari. The original version of the portable machine suffered from power-supply problems. The batteries became exhausted very quickly - not a problem which can be easily overlooked – and as a result, Atari reduced the number available for sale.

Atari, however, has refused to acknowledge rumours about many of its other new

machines. Company officials on both sides of the Atlantic say they know nothing about the games console, Panther. This is despite the fact that sources in the UK claim to have had development machines for some time.



## LEARN THE FUN WAY

An educational program to improve reading and spelling skills has been launched by HS Software (0792 204519). Reading Pack is available in two versions, one for five to eight-year-olds and the second is for those aged six to nine.

Reading Pack 2 is based on two games and has been written using the programming language STOS. The proprietor of HS Software, Stuart Forbes, said: "The games have

been designed by a team of teachers, psychologists and professional programmers to help children aged between five and nine years to enjoy developing their reading and spelling skills, both of which feature heavily in the new National Curriculum assessments for seven-year-olds."

It runs on any ST with a colour monitor, and is available directly from HS Software or retailers Rickitt Educational Media (£11.95).

## ATARI WINS AWARD

Atari has won an award for one of its advertisements for the Portfolio organiser. The advert headlined "It is possible to get to work on British Rail" was part of the re-launch of the machine in September at a price of £199.

The company believes that the MSDOS-based micro will become number one in the personal organiser marketplace, and to help achieve this aim it's spending £500,000 on a national press and poster campaign.



## REMEMBER THE ST

Most of us put our money in the collection box, pick up a poppy and fix it to our clothing, without a second thought of the work involved by the organisers of the annual Remembrance Sunday event.

The work involves ordering and distributing stocks of poppies, organising collection boxes for shops, pubs and places of work and the counting and accounting process which is carried out by volunteers.

Chris Lloyd and his family have been responsible for the Cirencester British Legion appeal for many years, and in 1987 they decided to computerise the operation with help of an 8-bit Atari XL. This set-up soon became inadequate and the ST was called to the rescue early in 1988.

By 1989, the whole operation was being run by an Atari ST and at the end of the year a second machine was bought. The family continued to run the appeal this year but Lloyd says the work is "becoming more refined and less stressful with each year".

## **00PS!**

Two errors popped up in last month's issue of the magazine. On page seven we stated that Silica Systems had the TT available in early October. When we discovered that we'd been misinformed the story was amended, but spooky things happened and somehow the paragraph managed to re-appear.

And the review of MPH's TCB Tracker carried the wrong price. The program was available on special offer only until the end of October for the price quoted. The correct price is £49.95.

## ATARI WINS ATARI WHISTLE STOP TOUR

Atari UK has held its first Whistle Stop Tour on board a specially converted exhibitions train. Taking the whole range of Atari computers to the public, the event ran throughout the school half-term.

Over the whole seven day event, Atari claims to have had 20,000 visitors and regards the tour as a huge success.

The first stop was Bristol Temple Meads Station where over 3,000 people attended, and at one stage the doors had to be closed to prevent the train becoming overcrowded.

Unofficial strike action by railway staff in the Manchester area signalled the start of the second day of the tour. Manchester was also the station at which the Interactive Publishing team joined the train.

Simon Lawson was on hand throughout the tour to assist on technical matters. Other key members of staff visited throughout the rest of the tour.

One of the main concerns of Atari was to bring its computers out of London, and so the train visited many of the northern cities which are usually ignored by computer shows, including Newcastle, Glasgow and Leeds, before travelling south to Birmingham.

Reception for the train was enthusiastic wherever it went, and local user groups turned out in strength everywhere to support the ST.

As expected, the ST was the main attraction, but Atari also revealed the 32MHz version of the new TT for the first time in the UK.

Also making its first appearance over here was the new SLM605 laser printer, which is expected to be on sale by early 1991. There was a working display set up in two carriages.

Smaller and neater than the old SLM804, Atari are hoping to attract new buyers into the laser printing world. The SLM605 is expected to sell at around the £1000 mark.

Atari demonstrated many of its existing products as well, including the recently relaunched MSDOS compatible Portfolio personal organiser, and the hand-held games machine, Lynx.

Several of the new Lynx



Jeanette Allen – lucky winner of the Metro FM competition receives her prize of an Atari Discovery Pack



machines were on show in one of the carriages and there was plenty of information about the games now available for the Lynx, which proved to be the hottest machine at the show. Many people expressed their intention to buy one.

The computer giant had set aside areas inside and outside the train for visitors to try out the ST as a games machine, and was promoting its Discovery and Turbo packages.

Both the ST and STE were much in evidence, and the outside games arcade proved to be popular with both young and old.

All visitors received raffle tickets as they boarded the exhibition and every hour Atari pulled winners from a hat. During the week at least £40,000 worth of prizes were given away.

Prizes included Discovery Packs and Lynxs, as well as hundreds of pounds worth of ST software.

Third Coast Technologies was showing off the Supra hard disk drives to which it recently obtained distribution rights, and other new products.

Z-keys is a device which fits onto any STE or STFM and lets the user connect an IBM PC-style keyboard to the machine. Third Coast were selling Z-keys for £50, but keyboards should be obtained from other suppliers

Signa Publishing was another one of the major exhibitors on the tour. Head of the company, Mike Dale, was displaying Calamus working on the TT and was expecting an early delivery, making the company the first UK distributor to have it in stock.

Signa took several firm orders for the new machine, as well as doing a brisk trade with programs such as Calamus

At the Silica Systems stand the emphasis was on MIDI. A two megabyte version of Atari's Stacy portable was connected to a MIDI keyboard and was being used with the music program C-La, together with hardware add-ons such as Unitor.

Mirrorsoft had plenty of games on show and was interesting the younger visitors in its latest licence, Teenage Mutant Hero Turtles.

Microdeal was in the centre of the train, demonstrating its Quartet music program and several sound samplers.

The next Atari sponsored computer show is expected to be the Atari '91 show which will be held in London. Planned for the beginning of June, it should prove to be another popular event.

## Distinctly Digita

Cleverly written and always favourably reviewed in the press, DIGITA Digita produces a range of powerful, low cost software for the home and business user.

## **DGCALC**

The fastest and most powerful spreadsheet available in this price bracket, with 512 rows by 52 columns, giving you up to 26624 cells. As with all Digita products, the operation of the program is clearly thought out. Being either menu, mouse or command driven you'll be able to start using it within minutes even if you ve never used a spreadsheet before. Some of the features which make it such good value are the exporting of ASCII files for integration with other programs, adjustable column width and text overflow, programmable function keys (macros), and a unique windowing facility, so that you can look at different parts of a sheet at the same time. (macros), and a unique windowing table), look at different parts of a sheet at the same time. £39.95

## E-TYPE

Do you ever have to print names and addresses at awkward places on envelopes, or do you ever need to fill in tricky forms or invoices where the text has to be in exactly the right forms or invoices where the text has to be in exactly the right place? Usually you have to do it by hand, or get your trusty old typewriter out of the cupboard and dust it off. Well not anymore. The Emulated TYPEwriter transforms your computer and printer into a fully fledged typewriter, supporting bold, underline, italic and other type-styles. Because it can display and print text INSTANTLY you can line up your form, press Return and Space a few times to move to the correct olders and then start bright. Alternatively voucean the correct place, and then start typing. Alternatively you can switch to line-by-line mode, which offers word-wrap, justification and proportional spacing, so that you can edit each line before it's printed. £39.95

## PERSONAL TAX PLANNER

Are you absolutely sure your taxman is doing his job correctly? Plan your own tax with ease, this menu-driven program will calculate your income tax liability (4 tax years included) and provide pertinent facts about your tax position You can perform 'what-if?' calculation to discover ways to minimise your tax liability. In fact, the program will advise you on things such as, if you are a married man, whether it would be advantageous to have your wife's income taxed separately or not. At this price who knows, you will probably find that PTP will pay for itself in tax savings the first time you see if

July '89 - PTP user receives tax refund of over £2,000!!

£39.95

## DAY-BY-DAY

An excellent way to get organised. With it you'll be reminded of birthdays and other anniversaries, meetings and appointments, phone calls to make and so on. As with all Digita products, inputting information is simplicity itself and, once entered, you can search for keywords or for particular events such as birthdays to see when one is coming up. Includes month/week/day planner, automatic reminders for overdue appointments, month and week summary at a glance. For less than £30 this is the ideal way to make sure you peace miss that important ecospice again. you never miss that important occasion again! £29.95

## **HOME ACCOUNTS**

Ideal for both home users and small business. Simple to use, this package will keep track of all your finances and cater for 10 types of income (e.g. Bank, credit card) and 60 types of expenditure (e.g. rates, mortgage, gas, food), with optional budgeting and forecasting. The program will handle Standing Orders and Direct Debits, and automatically warn if for example, Bank charges are likely, or if you have exceeded your credit limit. With the comprehensive reporting and graphics facilities you can even produce your ow Bank/Credit card statements! Once you've used h Accounts, you'll wonder how you ever managed

£24.95

Available to the trade from Digita, GEM, Greyhound HB Marketing, Lazer Leisuresoft, R & R, SDL

## **MAILSHOT**

If you ever need to send out mailings or print labels, you know how fiddly and time-consuming it can be making sure all the labels are printed correctly. Well now all that's a thing of the past. Because Mailshot actually shows you the labels on screen, you can type names and addresses in exactly the correct place. But more than that, the labels are animated on screen as a continuous sheet, allowing you to scroll backwards and forwards, to search for particular keywords or to edit entries with the minimum of fuss. Facilities include searching, detection of duplicate labels, sorting (even surnamel) 9 labels across, 999 copies of any label. This has to be the simplest and most effective method of creating a to be the simplest and most effective method of creating a mailshot available

£24.95

## **MAILSHOT PLUS**

Advanced version of Mailshot for the business user with the

- Advanced version of Malishortor the business user with the following extra facilities:

  integration with other software (using ASCII files)
  column/tabulated summary (ideal for telephone lists, etc)
  4 extra memo lines per label (with defaults)
  coding, dating and adding messages to each label different layouts available for horizontal and vertical

£49.95

## DAY-BY-DAY

An excellent way to get organised. With it you'll be reminded of birthdays and other anniversaries, meetings and appointments, phone calls to make and so on. As with all Digita products, inputting information is simplicity itself and, once entered, you can search for keywords or for particular events such as birthdays to see when one is coming up, Includes month/week/day planner, automatic reminders for overdue appointments, month and week summary at a glance. For less than 530 this is the ideal way to make sure you never miss that important occasion again. you never miss that important occasion again! £29.95

## FINAL ACCOUNTS

The program will take information prepared by Cashbook Controller and produce a complete set of accounts including: 
\*Trial Balance \*Trading and Profit and Loss Account 
\*Balance Sheet \*Notes to the Accounts 
\*Full Accounting ratios.
\*All reports may be produced at any time, with 
comparative/budget figures if required. The facility to 
produce these documents quickly, accurately, and regularly 
is of enormous help in running any business, large or small, 
since one shows the true profitability achieved, and the other 
the exact strength of the business in terms of assets and the exact strength of the business in terms of assets and

£29.95

PROFESSIONAL

THE PROFESSIONAL DATABASE

DATASTOREII

DIGITA

CW 8236/8512/9512

type

## **CLASSIC INVADERS**

Escape from executive stress with the classic space invader

£14.95

## PHARAOH III

Based on the classic gameplay of Galaxians, this original and unique game recreates the mystical atmosphere of ancient







## **DGBASE**

If you're looking for fast access to stored data, and the ability to create customised reports, including office/personal to create customised reports, including office/personal store of the store of database.

database where or and fields AFTER setting up your ship in the play and limited only by the capacity of your ST and up in the play and limited only by the capacity of your ST and

£49.95

CASHBOOK

CASHBOOK CONTROLLER

Use your computer as a powerful business tool and take the druggery out of book keepingful in simplest form, the program lynapse your Cash and Pelin Cash Dooks BUT information of the program functions of the program functions of the program function of the program of the prog

£49.95

SYSTEM 3

Take the first essential step in computersing your business of Control of the first essential step in computersing your business of Control of the first essential step in computersing your business of Control of Control



"Serious software at a sensible price"

· HOW TO ORDER · **CREDIT CARD HOTLINE** 

0395 270273

Post: Digita International Ltd Black Horse House Exmouth Devon EX8 1JL England Fax: 0395 268893

All software written in the UK. Prices include VAT & P & P (add £2.00 for export)

# Morlo

All the news that's fit to print from around the globe. Hardware, software and even software piracy...

## I GWS



## **ATARI BOSS QUITS**

Introduced as Atari's new general manager, Elie Kenan has resigned from his position to return to the equivalent job at the company's French division, according to Atari employees at the Sunnyvale head office.

The reason for the hasty departure is unknown but sources in the States say that Kenan planned to move Atari from its base in California to the Boston area. On his return to Sunnyvale from a visit to Boston he met with

Jack Tramiel is rumoured to be flying to France to speak to Kenan about his decision

Jack Tramiel, chairman of the board.

The subject of that meeting is unknown, but it is suspected that Kenan resigned because Tramiel denied him the control and free hand in reshaping the company in the States that he had been originally promised.

Greg Pratt has already been introduced to Atari employees as the new general manager for Atari USA. Pratt has until recently been vice president of Finance and was also responsible for running the rather ill-fated Federated Stores operation near the end of that affair. He had, for a time, been attempting to produce a leveraged buy-out of the troubled Federated Stores from Atari for himself and other investors.

Industry sources in America suggest that Jack Tramiel is travelling to France in a bid to get Kenan to reverse his decision and go back to Sunnyvale.

The story was dismissed by a company spokesman in London, who told ATARI ST USER that Elie Kenan had never actually been the general manager in the States and that he had merely been invited over there to see whether he would like to make a permanent move to the country. The reason for Kenan's sudden departure and return to France was given as "cultural".



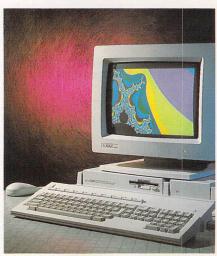
## PIRATED TT DESKTOP CIRCULATES

A file known as TOS 2 has been circulating on private bulletin boards recently. The program provides an early version of the new TT desktop which operates on an ST. While the

idea of using it is attractive, Atari reminds users that the file is stolen and pirated and that it belongs to the firm.

The company also states that the file is incomplete and unstable and so is unsafe to system data. Atari adds that it has no intention of releasing its desktop for existing ST owners. To do so would compete with third party companies producing alternative desktops such as Neodesk.

But at least two of those 'third party' companies have presented statements supporting the public release of the new Atari desktop. CodeHead and Double Click are both urging Atari to release the finished version of the new desktop, claiming that it would be an improvement for all Atari users.



Atari warn that the pirated TT desktop now circulating on bulletin boards could be unsafe

## Are you wasting your valuable time setting your ST's clock?

Frontier's Forget-Me-Clock II is the answer

I fyou're one of those people who has an auto-run program annoyingly prompting you for the time and date every time you turn on your ST or ST<sup>E</sup> or even worse, if you're one of those ST or ST<sup>E</sup> users who doesn't set the system clock then Frontier's Forget-Me-Clock II cartridge is the solution you've been hoping for.

## Just Plug It In And Go

With the Forget-Me-Clock II plugged into your ST or STE's cartridge port the system clock (used by the Control Panel) and keyboard clock will automatically be set at turn on or reset by a small auto-run program supplied with the Forget-Me-Clock II. No longer will you have to waste your time setting your ST's clock. Using the Forget-Me-Clock II also means that files saved on disk are always properly time and date stamped making finding the latest version of a file the simple task of just looking for the file with the latest time and date.

## **Full Pass Through**

Frontier's Forget-Me-Clock II is a clock cartridge unlike any other. All other clock cartridges for the ST will tie up the cartridge port making it impossible to have your ST's system clock set automatically while still using another cartridge. The Forget-Me-Clock II has a full cartridge pass through which means that any other cartridge for the ST can be plugged into it while it is plugged into your ST. The Forget-Me-Clock II remains totally invisible so



Frontier's Forget-Me-Clock II Cartridge With Pass Through

that the other cartridge can be used normally, but it still automatically sets the system and keyboard clocks in your ST.

## No Need To Open Your ST

Installing some clock cards for the ST means that you have to open your ST's case and pry computer chips out of their sockets. The Forget-Me-Clock II is a cartridge which plugs into the cartridge port on the side of your ST which means that its installation couldn't be simpler - you just plug it in and turn on your ST.

## **Software Included**

Every Forget-Me-Clock II cartridge is supplied with time and date setting software for the Forget-Me-Clock II's clock together with a small auto-run



program which automatically sets your ST's system and keyboard clocks every time you turn on or reset your ST. Built into the setting software is the facility to stop the Forget-Me-Clock II's clock to save on battery life when the Forget-Me-Clock II is not being used.

## Satisfaction Guaranteed

The Forget-Me-Clock II is supplied under Frontier's ten day money back guarantee, which means that if you don't like the Forget-Me-Clock II for any reason, you can return it for a full refund within ten days of purchase. The Forget-Me-Clock II has been designed to work with any model of ST whether it be ST, STM, STF, STFM, STE or Mega ST.

## Two Year Guarantee

The Forget-Me-Clock II carries a full two year guarantee which includes the battery. Battery life has been tested to be many times the guarantee period. Frontier will supply replacement batteries outside of the guarantee period for a small charge.

## **Price**

Forget-Me-Clock II Cartridge £24.99

Price includes VAT. Please add £1.15 for postage and packing to all orders under £50.00. Frontier accepts payment by Visa or Access. Price subject to change without notice. Goods subject to availability.



## CANADA PACKS DOING WELL

Over on the far side of the big pond, Atari Canada has been busy releasing new bundles. Earlier in the year, a pack called Back to School sold well, and the 520STFM was packed with seven Arrakis educational titles, including Neochrome, Crack'd and Superbreakout. It sold for CDN\$499.

In its winter packages, the computer giant included Neodesk 3.0 with every ST or STE sold. Neodesk is an alternative desktop for the ST which has many features lacking from the standard Atari desktop.

Jimmy Hotz's Hotz Box is due for test marketing in November. It is said to be the nonmusician's answer to producing music and was first previewed about two years ago. The machine will be sent to a few educational test sites as well as a recording studio in Vancouver

Canadians have also been able to buy a new Atari colour monitor. The SC1435 has stereo sound capabilities and will be sold alongside the STE. It is not a restructured SC1224, but a completely different design. Atari UK has received evaluation models of the monitor but hasn't made a decision on whether it has a future over here.



## **TAIWANESE PIRATES**

A criminal indictment for copyright infringement was handed down against Atari Taiwan and two employees in October, following a court-ordered search of the company in April. The search turned up several suspected unauthorized copies of Ashton Tate's dBase III Plus software and the spreadsheet program Lotus 1-2-3. If found guilty, the two face a jail sentence of up to three years and a fine of up to £300,000.



## **68030 BOARDS COMING**

Two American companies are working independently on 68030 boards. Fast Technology and Gadgets by Small are designing the boards after the two split up in the summer.

At the October WAACE Atari Show, Gadgets had a completed 030 board on display which contained 8 megabytes of on-board RAM as well as a 68882 maths co-processor, running at 18.4MHz. Gadget by Small's David Small says that his board is a Megaonly expansion board which replaces the 68000 in the machine.

The board is asynchronous to the ST bus,

which means it can be run from a minimum of about 16MHz up to a possible maximum of 33MHz. It has TOS1.6, a full 32-bit expansion bus connector on the card, high speed RAM and no caching, and will produce speeds 5.33 times as fast as any 68000 accelerator at the same clock speed, and 10.55 times the speed of the standard ST at 16MHz – all using most existing ST software. Price TBA.



## FROM GERMANY WITH LOVE

Few software imports have become such instant hits in Britain as Mega-Paint II, the all-singing, all-dancing monochrome paint package from Berlin's Tommy Software. Capable of just about everything from DTP to technical drawing, it sets new standards on the ST for speed, accuracy, versatility, screen display and print quality. But that's not the end of the story: rather than rest on their well-deserved laurels, its authors have now come up with MegaPaint Professional.

Apart from the rearrangement of the menus, Professional looks much the same as the earlier version until you discover a menu entry named Vektor. Click on that and things still look the same, with all the familiar MegaPaint drawing tools available – except that you are now producing vector objects rather than pixel images.

For those of you who don't know the difference: just enlarge a Degas, Neochrome or .IMG image and you will find that the picture becomes much coarser. This is because the individual dots making up the picture are still the same, just bigger and therefore, more obvious. A vector drawing, by contrast, consists of mathematical descriptions of lines and curves which can be displayed on-screen or printed at any resolution without any deterioration in quality, at any degree of magnification or reduction.

This is most useful for desktop

publishers and technical illustrators who often need to enlarge clip-art or graphic symbols to fit their needs, but can also be employed to convert pixel graphics to vector drawings. Scanned line art, for example, can be imported into the vector part of MegaPaint Professional and its outlines traced so that the resulting new copy of the original becomes resolution independent.

Rather unusually for art software, MegaPaint Professional features a mailmerge function – the sort of thing commonly found in word processors – that allows you to send identical letters to a large number of people with personalised addresses and, perhaps, messages.

Combined with the program's vector fonts and ability to import and edit Signum fonts, this raises the prospect of automating the tedious annual Christmas cards chore. Keep all your aunts, uncles and business contacts in a database (well, their names and addresses at least), define appropriate fields in your home-brew Santa and Sleigh artwork, and they'll all think you have slaved for hours to produce their individual seasonal greetings.

Strangely enough, the version previewed here would recognise Calamus vector graphics but not the standard GEM metafiles (with the extender .GEM). This makes it useless for anybody outside the German Calamus/MegaPaint cartel but I am reliably informed that the Anglicized product is to be imported by Silica Systems, at a price yet to be fixed. It reads and writes standard GEM vector drawings as produced by Easy-Draw and HyperDraw. Contact Silica Systems on 081-309 1111.

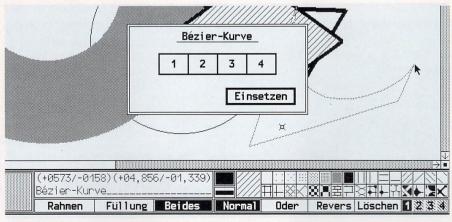
MegaPaint® Professional Version 2.32

©1990 TOHHIPSOFTWARE®

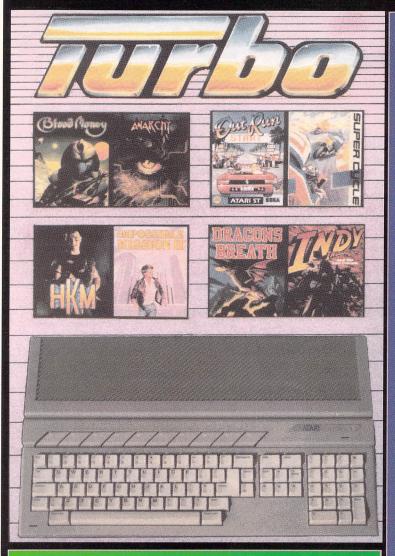
Thomas Maier, West Berlin, West Germany. Alle Rechte vorbehalten

Autoren: Stefan Malz, Olaf Kassner

Seriennummer: 10475\_\_



Expect to see the superb MegaPaint in the UK very shortly. The Anglicized version of this package is being shipped over from Germany by Silica Systems



also available the 520STFM Discovery Pack!

## The Official NEW Atari **520STE Turbo Pack** has arrived!

- Atari 520STE Computer Keyboard
- 512K built in Random Access Memory
- Built-in 1 meg Double-Sided Disk Drive
- **Built-in TV Modulator**
- Superb 4096 Colour Graphics
- 8 Channel Digital Stereo Sound
- Four Joystick ports
- Light Gun/Pen Facility
- MIDI inputs for music keyboards
- RAM Expansion capability
- Atari Mouse and Joystick
- ... and all connecting cables to get you up and running on your home TV set!

- Indiana Jones and the Last Crusade
- Dragon's Breath
  - Anarchy
- **Blood Money**
- Outrun Super Cycle
- Impossible Mission II **Human Killing Machine**

- **STOS Games Creator**
- Hyperpaint II uses all 4096 colours!
- Music Maker II uses the new stereo sound!
- First BASIC Programming Language

- **Drivin' Force**
- Rock n' Roll
- Trivial Pursuit
- Asterix

**Pipemania** 

- Skweek
- RickDangerous
- **Onslaught**
- Chess Player 2150
- Live & Let Die
- Metacomco BASIC

Total package price includes VAT and Next Day Delivery by Courier\* Don't delay - Order now! 24Hour Credit Card Hotline Telephone (0908) 378008

## How to Order



E

Order line on (0908) 378008 and quote your card number and expiry date along with the details of the goods you require. We accept ACCESS, VISA, EUROCARD, MASTERCARD, AMEX the new Direct Debit cards like Barclays

By Phone - Call our Credit Card

Connect and we also accept Lombard CreditCharge Cards.

By Mail - Simply write down your order to us by post along with a personal cheque, bankers draft, building society cheque or postal order made payable to "DIGICOM COMPUTER SERVICES LTD". \*Please note:- Personal

clearance before despatch y Delivery is Mon-Fri . Saturday Delivery is £3.0

Ring or write in for our latest Atari catalogue listing hundreds of products available for this versatile Home Computer. We stock COLOUR PRINTERS, STEREO COLOUR MONITORS, EXTERNAL DISK DRIVES, MEMORY EXPANSIONS, HARD DISK DRIVES, Atari BOOKS, FRAME GRABBERS, DIGITISERS, SCANNERS, WORD PROCESSORS, DATABASES, SPREADSHEETS, ACCESSORIES and of course hundreds & hundreds of games and all at well below recommended retail prices!

Digicom offer you the very best in customer after sales support with 12 month warranty on all Computer Hardware. All units are full UK specification with 30 day replacement guarantee on faulty items and FREE collection of the defective units within this period. And should you ever need any technical advice our experienced and helpful staff are available on the telephone or in our showroom. Remember - there are no hidden extras all prices are fully inclusive of VAT and next day courier delivery.

Prices & Specifications are subject to change without notice E&OE.

only.....

36-37 Wharfside Watling Street Fenny Stratford Milton Keynes MK2 2AZ Telephone (0908) 378008 - Fax (0908) 379700 Showroom Hours - Mon to Sat 9.00am-5.30pm



## SOUND SAMPLING HARDWARE AND SOFTWARE FOR THE ATARI ST & STE



36 BAR GRAPHIC **EQUALISER DISPLAY** 



3D FFT DISPLAY SCREEN



SEQUENCER CONTROL PANEL



**NEW STE CONTROL PANEL** 



MAIN EDITOR SCREEN WITH OSCILLOSCOPE

## WHAT IS MASTER SOUND?

Master Sound is a low cost, high quality sound sampler for the Atari ST & STE range of computers. The sampler cartridge enclosed in this package plugs into your ROM port on the side of your computer and allows you to record sounds from devices such as Personal Cassette players, Compact Disc Players etc. Once in the computer MASTER SOUNDS unique editor will enable you to edit the sound in practically any way you can imagine. Once you have the sound sample how you want it, you may incorporate it into your own Demo's or programs or use MASTER SOUNDS own built in sample sequencer to play back the sample in sequence with other samples!

## THE MASTER SOUND EDITOR

Incorporates the following facilities:

- **SAMPLE**
- FADE IN
- SHRINK LOAD VU METER AVR FORMAT
- LISTEN

FADE OUT

- **OVERLAY** VOLUME
  - \* MAGNIF
- TRIGGER \* REAL TIME FFT \* 3D FFT DISPLAY

\* LOOP \* WIPE \* REVERSE

\* FILTER \* SAVE \* SEQUENCER 

An impressive Spectrum Analizer, Oscilloscope and 3D FFT display enable the user to monitor frequency content and volume with ease, and help you to ensure that the sample quality is at its best.

## THE MASTER SOUND SEQUENCER

Allows you to play back samples in a sequence. Up to 18 samples can be held in memory at once and sequences are as simple to record as tapping keys on the computers keyboard. Once recorded the sequencer can save the samples and sequence file out onto disc so that the files can be used in the sequence player

## THE MASTER SOUND DEMO

Allows you to play back your own sequenced sounds created by the editor while displaying picture files. This is great for creating your own public domain demo discs without having to be a computer programmer.

## ADVANTAGES OVER MASTER SOUND 1

Midi compatibility allows you to playback samples at different frequencies from an external midi keyboard with a midi-out socket. Additional STE options include Volume, Bass, & treble controls Playback via the STE's built in sound sockets. New 3D Fast Fourier Transform display allows you to see the samples

- frequency composition in a 3D display.

  Volume down option
  Choice of filters
  Choice of compression ratios
  Enhanced sample frequencies up to 30 KHZ
  Sequencer can now handle variable frequencies from 3 to 16KHZ



© Copyright Microdeal 1990 All Rights Reserved

## ATARI ST MASTER SOUND ORDER FORM

Master Sound is £39.95 post & packing £1 (all prices inc V.A.T.)



BY PHONE WITH **CREDIT CARDS** 

(0726) 68020



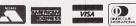
			/
1	\	/	
	1	/	

BY POST: with Cheque · Postal Order · or Credit Card

Address .....

..... Post Code .....

Credit Card Type ...... Expiry Date .....



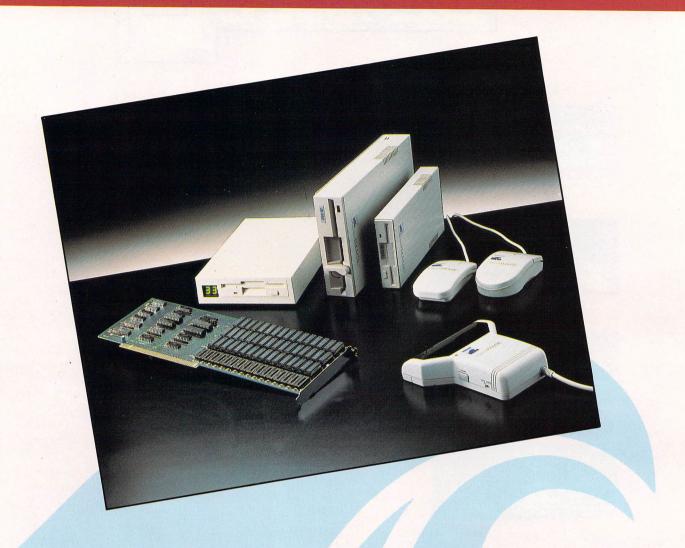
Number ..... Please allow 28 days for delivery

Send to: Microdeal · PO Box 68 · St Austell · Cornwall · England · PL25 4YB





## GOLDENIMA GIE®



GOLDENIMAGE the first and last name for computer addons.

## THE RANGE

Mouse
Optical Mouse
Scanner
External Floppy disk drives
RAM expansion cards
External hard disks

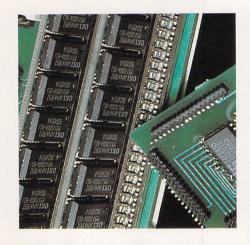
Quality Peripherals for Atari ST Commodore Amiga Toshiba Laptops Amstrad And all IBM Compatable PC's

TOSHIBA-ATARI-COMMODORE-IBM-AMSTRAD are registered trademarks of their owners.

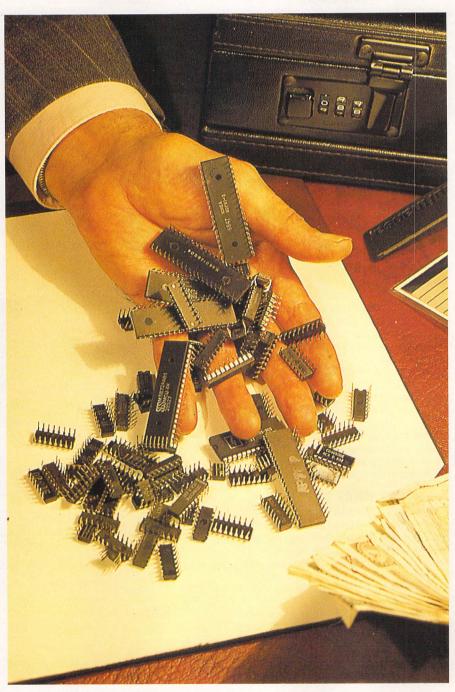
PHONE FOR NEAREST DEALER

Golden Image House Fairways Business Park, Lammas Road, Leyton, London E10 7QT TEL: 081 518 7373 FAX: 081 885 1953

# Buying Power



Put an upgrade at the top of your Christmas list. **Jerry Glenwright** gets you the best deal...





emember when first you unwrapped that shiny new ST? Possibly you'd upgraded from a lesser, 8-bit machine, perhaps you'd used a computer at school, college or work, but the thrill of using your new ST – with its built-in 3.5 inch drive, breathtakingly fast graphics, quality sound and marvellous GEM front-end – simply couldn't be matched by anything which had gone before, right?

For many months afterwards you hacked happily late into the night, safe in the knowledge that your ST could match your ideas – every one...

Lately however, the magic has begun to wear a little thin. Where once you found the very idea of needing more than one 10-pack of floppies ludicrous, your desktop now groans under the combined weight of a sprawling mess of disks, each stuffed to overflowing with applications, documents, utilities and so on.

Home-brew software which didn't know the meaning of an 'out-of-memory' message now regularly reports that very message. The TV which displays your ST's communiques, now gives eye strain that has seedy opticians rubbing their hands and writing fat invoices in expectation, and the ST's sound? Well let's just say that it ain't gonna give Kylie any worries...

What went wrong? Are you simply losing interest in computing as a hobby, or could it be that the ST isn't quite the machine you once thought it? Sure, there's an awful lot of raw processing in them that chips and circuits but Atari, typical of large computer manufacturers, seemed to have provided only half the story.

Half a meg of RAM doesn't run to much when you're trying to run some of today's sophisticated software, a single-sided drive isn't much good when you're about to do battle with some of those monster arcade corkers from Games-R-Us. Even the ST's mouse, much praised when first it scampered across your desktop, leaves a lot to be desired in the efficiency stakes.

## **BUT WHAT TO DO?**

Right, thinks you. Out with the old and in with the new. Trash the ST and start saving for the latest Cray super-computer. By the year 2050, you may have enough moolah for a 5 per cent down payment. But wait, take another look at the ST. It isn't quite the huge disaster we've just made out. There's a lot of life in the old dog yet.

Third party suppliers up and down the country are itching to relieve you of your hard-earned for their potions and powders designed to get more from your ST. Not all demand the soldering skills of Clive Sinclair to install, not every improvement requires

you to help a rich and aged relative to that great OAP's home in the sky in order to raise the necessary wind.

A veritable Aladdin's cave of impressive improvements can be had at prices to suit all pockets. From hard drives costing several big ones, to monitors at a couple of hundred, disk drives for a monkey, replacement mice at a pony and screen, mouse resolution and drive utilities entirely free from the public domain, we show you how to bolt together a new, improved, housewive's choice ST, the like of which can't be equalled outside NORAD's underground silicon installation.

## **DISK DRIVES**

The original ST, the STM, didn't even have a floppy drive built in. The STM had joystick and mouse ports on the – now famous and much copied – site of the STFM's (and subsequent ST releases) floppy drive. Many actually liked this arrangement, it's certainly easier to connect mice and joysticks than rummage around underneath the machine, but the days of the STM were numbered, and the machine was soon shipped in the guise you know and love today.

Unfortunately, that translates for many to a half meg ST with a single-sided floppy drive. Fine if all you want to do is play the latest arcade game, but lousy for anything even slightly more adventurous. Let's face it, you need to upgrade to a double-sided, 1Mb device. Just think, no more sending off 'USER's cover disk in order to get the contents off the second side, no more wasting space on floppies because you can't get at side two to store data – at last, complete compatibility with all known software.

From the very beginning, third party manufacturers have marketed replacement drives, and so today the choice is a large one. You could simply attach an external 1Mb drive to the ST's second floppy port at the rear of the machine, but you can't (at least not without trickery...) boot from this external drive. That means you don't get the full benefit from the 1Mb device. The only real option for those

with an internal single-sided drive is to remove the offending item, and speedily replace it with the new, uprated version.

Don't worry, fitting an internal drive is a simple procedure that even the most hardened techno-phobe can achieve without tears. Here's how to do it.

You'll need an ST, Philips screwdriver, internal drive upgrade, large kitchen table and plenty of patience. Turn the ST face down and remove the half dozen Philips screws dotted about underneath. The ST's case will split into halves. Remove the bottom half and put it somewhere safe.

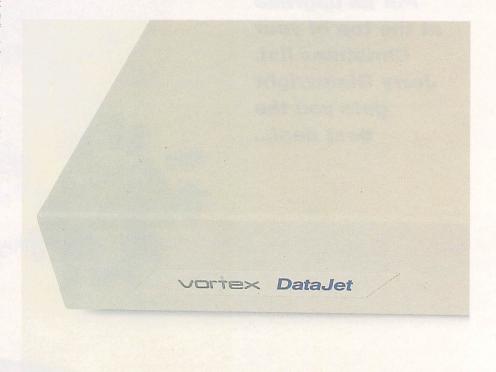
At this point you can see the outer casing of the existing disk drive. There are two cables emanating from the drive. One is the data cable and one supplies power from the ST to the drive. Unplug both from the floppy drive and lift it clear of the ST. Fit the replacement into the vacant space, plug in the data and power cables and reverse the case splitting and unscrewing operation. You now have a drive-upgraded ST.

If you switch on the ST and get...nothing, don't panic! It is very easy to earth internal components against the ST's metal shield. If this is the case, a sheet of ordinary paper acts as an efficient insulator.

Replacement floppy suppliers? 'USER has knowledge of the Evesham Micros device which has stood up to several year's hard labour without problems and was cheap too (around 80 quid). Call Evesham on 0386 765500.

An ST with an internal 1Mb floppy and external second drive is all very well, but you're still limited to less than two megs of on-line storage, and the read/write times associated with floppy drives would leave the average catatonic with his head bowed. And what's the solution? A hard drive. Only problem is, you have to hold your breath and try not to pretend it's real when a hard drive price is mentioned.

Actually, the situation isn't all doom and gloom. Back in the earlies, when STs were still pretty thin on the desktop, hard drives





cost the fat end of a cool thou., and the price of those PC hard drives left the average Atari owner positively green with envy.

Today, increased numbers of STs mean increased numbers of potential hard drive buyers. Which eventually equates, via increased numbers manufactured and therefore lower production costs, to much cheaper ST hard drives.

You could, of course, go the home-brew way and construct your own, in which case you'll need a drive mechanism, case, power supply, fan, cabling and host adaptor, all of which will cost almost as much as the 'cheap' series of Power Computing.

That's right, for just a little more than it costs for a home build, you can have one of Power Computing's 20 megabyte pre-built beauties (around £299...), which matches perfectly your ST's casing, hooks up in a trice and comes with booting and other utilities so you'll have no problem getting it going.

There's always the second-hand market too, but you won't know whether a particular

drive has had rough treatment and since they're fairly fragile, a new drive is always the best option. Best advice is to shop around, before spending the readies. Check out the ads in Atari ST User for suitable suppliers.

## **FATHER TIME...**

Ever taken a second look at some of those word processed, DTPed or painted files you've created? Seems like they were all created on 20 November 1985. Your father wasn't even a knee tremble in your Greatgrandfather's shed back then, so how did those dates come about?

Don't worry, you haven't slipped through a hole in the space-time continuum, it's simply that when the ST's ROM was created, that was the date burned irreversibly into it. Now although the ST can keep perfect time once it's switched on and set, the moment power is disconnected, or you simply forget to punch in the correct details, the time and date is lost and the machine reverts back to the default time, that is, that stored in the ROM.

OK, no big deal. Who needs the time anyway? You do. Think what happens if you're running a file back-up program, but only want to update files after a certain date? If they all have the same data somewhere back in the mists of time, it's not gonna work, right? How can you possibly hope to organise important letters and other documents unless you can determine which is which without looking at the time and date on which they were created. Sure you can examine each individually but with several hundred files, that will take an awful long time.

So what's the choice? A clock card. These babies attach to the ST, have their own battery and provide the exact time and date to the ST every time the machine is switched on. No more fiddling about or forgetting to update the ST's own clock.

There are two types of clock card, those which fit inside the ST ('internal') and those which don't ('external'). The latter connect to the cartridge port and therefore require no internal tinkering. You don't have to open the

## A NEW WORLD OF POWER

THE ANSWER DISK DUPLICATION PROBLEMS

**FOR ONLY** 

## **AVAILABLE FOR**

- **AMIGA**
- PC COMPATIBLES

## STATES S

- SYNCRO EXPRESS IS A HIGH SPEED DISK DUPLICATION SYSTEM THAT WILL PRODUCE COPIES OF YOUR DISK
- Syncro Express requires a second drive & works by controlling it as a slave device & ignoring the computer disk drive controller chip whereby high speeds & great data accuracy are achieved.
- Menu driven selection for Start Track/End Track up to 80 tracks. 1 side, 2 sides.
- Very simple to use, requires no user knowledge.
- Also duplicates other formats such as IBM, MAC etc.
- Ideal for clubs, user groups or just for your own disks.
- No more waiting around for your disks to copy.
- Probably the only duplication system you will ever need!

## THE LATEST CUSTOM LSI CHIP TECHNOLOGY

By using an on-board Custom LSI Chip, Syncro Express has the power to transfer an MFM image of the original disk directly to your blank disk - quickly, simply and without any user knowledge. One external disk drive\* is required for AMIGA/ST.



## SYNCRO EXPRESS IS AVAILABLE FOR THE ST/AMIGA/PC SYSTEMS - PLEASE STATE WHICH REQUIRED WHEN ORDERING

## WARNING 1988 COPYRIGHT ACT WARNING

Datel Electronics Ltd., neither condones nor authorises the use of it's products for the reproduction of

copyright material.

The backup facilities of this product are designed to reproduce only software such as Public Domain material, the users own programs or software where permission to make backups has been clearly given. It is illegal to make copies, even for your own use, of copyright material, without the express permission of the copyright owner, or the licencee thereof.

\*If you don't have a second drive we can supply SYNCRO EXPRESS together with a drive for ONLY £104.99 (AMIGA) ONLY £119.99 (ST

## SYNCRO EXPRESS II **HOW TO GET YOUR**

TELEPHONE (24 Hrs) - 07632

WE WILL DESPATCH YOUR ORDER QUICKLY & EFFICIENTLY TO ENABLE YOU TO START RECIEVING THE BENEFITS OF YOUR PURCHASE WITHIN DAYS, NOT WEEKS. ORDERS NORMALLY DESPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRODICS LTD.,

VISA

GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND TECHNICAL/CUSTOMER SERVICE 0782 744324

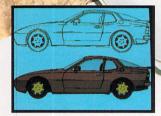
## A TOP QUALITY 400 DPI







An easy to handle Handy Scanner featuring 105 mm scanning width and 400 dpi resolution enables you to reproduce graphics and text on vour computer screen.



- A powerful partner for Desk Top Publishing.
- Package includes GS4500 scanner, interface and ScanEdit software.
- With Geniscan you have the ability to easily scan images, text and graphics into the ST.
- Save images in suitable format for leading packages including DEGAS, NEOCHROME, FLEETSTREET. etc.
- Unmatched range of edit/capture facilities not offered by other scanners at this unbeatable price.
- Adjustable switches for brightness and contrast.
- Powerful software allows for Cut and Paste Editing of images etc.



FOR THE NEW **LOWER PRICE OF** ONLY £149.99

**COMPLETE WITH OCP ART STUDIO** 

& All Hardware/Software

## **READPIC OCR** SOFTWARE

- At last a top quality OCR program at a fraction of the price you would expect to pay.
- Intelligent routines to analyse text images and convert them into text files suitable for your Word Processor program.
- No more tedious typing simply scan in a page of text and READPIC will do the rest!!

**ONLY £49.99** 

## 1 MEG INTERNAL DRIVE **UPGRADE**



- Replace internal 500K drive with a full 1 Meg unit. O Top quality drive unit.
- Full fitting instructions.
- Easily fitted no special skills required.
- Direct plug in replacement.

**ONLY £69.99** 

## REPLACEMENT MOUSE

- High quality direct replacement for mouse on the Atari.
- Teflon glides for smoother movement.
- Rubber coated ball for minimum slip.
- Optical system counting - 500/mm.

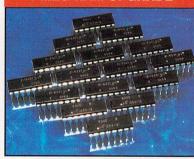


## SPECIAL OFFER!!

FREE MOUSE MAT + MOUSE HOUSE (WORTH £7.99)

ONLY £24.99 COMPLETE

## **1 MEG RAM UPGRADE**



- 512K of FASTRAM to bring your 520 STFM up to a full 1040K!!
- Fitting easily achieved by anyone who has a little soldering experience.

## **ONLY £49.99**

N.B. will not fit some ST models - check with our Tech. Dept. before ordering.



## HOW TO GET YOUR ORDER FAST...

TELEPHONE (24 Hrs) - 0782 744707 - CREDIT CARD ORDERS

VISA

WE WILL DESPATCH YOUR ORDER QUICKLY & EFFICIENTLY TO ENABLE YOU TO START RECEIVING THE BENEFITS OF YOUR PURCHASE WITHIN DAYS, NOT WEEKS.

ORDERS NORMALLY DESPATCHED WITHIN 48 Hrs. ALL PRICES INCLUDE V.A.T. UK ORDERS POST FREE/EUROPE ADD £1/OVERSEAS ADD £3. PRICES AND SPECIFICATIONS CORRECT AT TIME OF PRESS AND SUBJECT TO CHANGE WITHOUT NOTICE. CALLERS WELCOME - Please reserve goods by telephone prior to visit. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...

DATEL ELECTROPICS LTD.,

GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND **TELEPHONE SALES ONLY 0782 744707** FAX 0782 744292 **TECHNICAL/CUSTOMER SERVICE 0782 744324** 

## 10 Fulham Broadway, London SW6 1AA

## ATARI HARDWARE NEW STE

## **TURBO PACK**

- ★ Indiana Jones ★ Impossible Mission II ★ Human Killing Machine ★ Super Cycle ★ Outrun & Dragons Breath ★ Anarchy ★ Blood Money & Basic ★ STOS ★ Paint Package ★ Music Package

## All Only £355

## POWER PACK Plus Dustcover & Mouse Mat

## £354 only

## ATARI 520STFM **DISCOVERY PACK**

- 520 STFM + Mouse
- ST Tour tutorial
- Discover the Atari ST-Book
- Neochrome Art Package STOS Game Creator
- ★ Bombjack, Carrier Command. Outrun, Space Harrier
- ★ Control & Emulator Software

£279.99

## ATARI SYSTEMS

1040 CTC/CM	440.00
1040 STE/FM	
1040 STE/FM Superpack	
520ST Discovery Pack + SM124	.399.00
520ST Powerpack + SM124	.459.00
1040ST + SM124	
520ST Discovery Pack + 8833	
520ST Powerpack + 8833	.599.00
1040ST + Philips 8833	.675.00

## DISK DRIVES

Cumana CSA354 1Mb 3.5" Driv	e£94.95
Cumana 5.25" ST Drive	£125.00
Q-Tec 3.5" External Drive	£74.95

## 1040STE

## **Extra Pack**

- ★ 1040 STE
- + ST Word
- ★ STAC ★ Hyperpaint ★ Prince
- + ST Calc
- \* ST Graph

## **ALL ONLY £449**

Mega ST1	529
Mega ST1 + SM124	579
Mega ST1 + SC1224	729
Mega ST2	789
Mega ST2 + SM124	879
Mega ST2 + SC1224	1035
Mega ST4	1029
Mega ST4 + SM124	1129
Mega ST4 + SC1224	

## JOYSTICKS

Quickshot Turbo	11.95
Jetfighter	15.95
Starfighter 1 (Remote Controlled Ty	vin) 34.99
Python 1	12.00
Basic	8.99

many more. Phone for details

## DOT MATRIX PRINTERS

Star LC10 Multifont	.172.52
Star LC10 Colour	.213.00
Star LC24-10	.289.00
Panasonic KX-P 1124	.259.00
Panasonic 1624	.395.00
Panasonic 1180	.189.00
Juki 7100 24 pin Colour	.499.00
Amstrad LQ5000	
Amstrad DMP4000	
Amstrad LQ3500	265.00
Amstrad DMP3250	150.00

## Naksha Mouse + Mouse Mat £34.90

MOINTOIN	
Atari SM124 (Mono Monitor)	£110.00
Atari SC1224 (Colour Monitor)	£285.00
Philips CM-8833 High Res Colour.	£259.95

## **NEW PHILIPS TV/MONITOR**

- ★ Medium Resolution Monitor Input
- ★ Infra-Red Remote Control
- ★ 15" FST Teletext TV
- ★ 60 TV Tuner Presets ★ Scart Input/Output Connector

## SPECIAL OFFER £269.95

## **BOOKS ST**

1001 Things to do with Atari ST	12.
Atari ST 3D Graphic Prog	18
Atari ST Advanced Prog Guide	10.
Atari ST BASIC to C	18.
Atari ST Explored	8.
Atari ST For Beginners	14.
Atari ST Logo Users Guide	16.
Atari ST Machine Lange 68000	16.
Atari ST Programmers Guide	16.
Atari ST Tricks & Tips	16.
Computes Atari ST Machine Lang	18.
Concise ST Prog Ref Guide Rev Ed	17.
Game Makers Manual Atari ST	
Graphic Applications Atari ST	9.
Kids and the Atari ST	16.
Learning C on the Atari ST	18.
MIDI & Sound Book for Atari ST	
Musical Applications Atari ST	
Practical Logo for Atari ST	
Presenting the Atari ST	15.
ST App. Guide Programming in C	19.
ST Artist	17.
ST Disk Drives Inside & Out	18.
Tech Ref Gd Atari ST Vol 1	
Tech Ref Gd Atari ST Vol 2	19.
Tech Ref Gd Atari ST Vol 3	19.
Your FirST BASIC	14.

## PROFESSIONAL ATARI SOFTWARE

1st Mail	£14.95
CAD 3D V.1	
Cyber 3D Developers	£15.90
Cyber Architecture Design	
Cyber Cartoon Designs	£20.00
Cyber Control	£30.95
Cyber Future Designs	£15.90
Cyber G.I.S.T. (Sound Ed.)	£15.90
Cyber Human Designs	
Cyber Paint	£39.95
Cyber Sculpt	£59.95
Cyber Star Struck	£17 QQ

\*Simulera

## SECOND SHOWROOM ACQUIRED

STATION O

## PROFESSIONAL ATARI SOFTWARE

lease

pre-Chr

Istmas

releases

Cyber Texture	£34.95
Cyber Video Titling	£17.24
Data Manager Pro Data Scan by Kempston	£30.95
Data Scan by Kempston	£245.00
Deluxe Paint	£45.00
Degas Elite	£20 95
Doupage 2.0	CADOF
Fasy Draw 2	£39 95
Facy Draw 2 Supercharged	250.05
Easy Draw 2 Easy Draw 2 Supercharged Easy Tools First Word Plus V.3 (new)	£20.05
First Word Plus V 3 (now)	CEO 00
Flair Paint	£59.00
Float Ct Dublisher	
Fleet St. Publisher GFA Basic Interpreter V.3	£87.00
GFA Basic Interpreter v.3	£39.95
GFA Basic Compiler	£24.95
GFA Draft Plus	£98.00
GST Compiler	£19.95
GST Macro Assembler	£19.95
Highsoft CHisoft Power Basic	£49.00
Hisoft Power Basic	£35.00
Hisoft Basic	£59.95
Home Acccounts	£23.00
K-Data	£39.95
K-Graph 3 (new)	£35.00
K-Spread 3 (new)	£65.00
K-Data	£40.00
Mailshot	£24 95
Mailchot +	634 05
Mailshot +	£115 00
Mactoround	C22 0E
Mastersound	C10.00
Mini Office Dresentation Craphics	C10.90
Mini Office Presentation Graphics Mini Office Spreadsheet	£18.90
Modula 2 Standard	£18.90
Modula 2 Standard	£/3.00
Modula 2 Developers	£113.00
Neo Desk 3	£35.00
Prodata	
Prospero C	£99.95
Prospero Fortran	£99.95
Prospero Pascal	£79.95
Protext V.4	£69.00
Protext V.5	
Quartet	£39.95
Sage Accountant	£136 85
Sage Accountant Plus	£210.45
Sage Bookkeeper	£84 00
Sage Financial Controller	£305.00
Scan Art & Draw Art	£54 95
Spectrum 512	629 95
Spectrum 512 Superbase Personal Superbase Personal 2	645.00
Superhase Personal 2	269.00
Tempus 2 Editor	620.00
Tempus 2 Editor. Timeworks DTP. Timeworks Partner.	675.00
Timoworks Partner	C25 00
Timeworks Faither	235.00

Thunderstrike

Action Stations* *Adidas Champ Football	20.99
*Adidas Champ Football	17.45
AFT II	17.50
AFT IIAirborne Ranger	14.45
All Time Favourites	20.90
American Dreams	17.90
*Anarchy	14.90
Aquanaut	19.99
*Armour-Geddon	16.99
*Back to the Future II	23.50
*Back to the Future II	17.50
Balance of Power 1990	17.45
Ballistix Barbarian 2 (Palace)	13.90
Barbarian 2 (Palace)	17.45
Batman The Movie	
Battle Chess	17.45
Battle Chess II	
*Battlemaster	
Battlehawks	17.45
Betrayal*Blade Warrior	20.99
*Blade Warrior	17.45
Blitzkrieg May 1940	
Blue Angels	
Block Out	
Blood Money	14.90
Bomber Mission Disk	12.95
*Breach 2 Bridge Player 2150	17.45
Bridge Player 2150	19.90
Bubble+	
Cadavar	
Castle Master	14.90
Chaos Editor	
Chaos Strikes Back	17.45
Chariots of Wrath	
Chess Champion	21.90
Chess Player 2150	
Chronoquest	23.50
Chronoquest II	19.90
Cloud Kingdoms	17.50
Colossus Chess X	
Combo Bacer	1/45

for pre-Christmas releases

ease call

Damocles	17.5	(
Days of Thunder	17.4	1
Dick Tracy	17.5	i
Double Dragon II	14.9	30
Dragons Breath	20.9	10
Dragons Breed	17.5	50
Dragon Spirit	16.9	)(
Drakkhen	20.9	3(
Driving Force	13.9	1
Dungeon Master	16.9	9
Dungeon Master Editor	.9.9	):
Dragons of Flame	17.4	1
East Vs West	16.9	9
Elite	17.4	į
Elvira	19.9	)(
Emlyn Hughes Int. Soccer	17.4	5
E-Motion	14.9	)(
Escape From Planet Robot		
Monsters	16.9	ال
Everton F.C. Intelligensia	14.9	1
F-19 Stealth Fighter	21.9	E
F15 Strike Eagle	15.9	3
F16 Combat Pilot	16.4	ļ
*F-16 Falcon Mission II	15.9	1
F-29 Retaliator	17.4	į
Falcon	17.4	ŀ
Falcon Mission Disks	14.9	9
Ferrari Formula 1	16.9	ال
*Final Battle	17.4	1
Fire & Brimstone		
Flight Simulator 2	36.8	3(
Fiendish Freddy	15.9	)(
Fighter Bomber	21.9	);
Final Battle	17.4	13
Flippit & Magnese	14.9	)(
Flood	17.4	
Full Metal Planet	17.4	Į.
Fun School II (8 years)	14.9	3
Fun School II (6-8 years)		
Fun School II (under 6 years)	14.9	)

LEISU	Li	ш
Gold of the Americas	17	5
Gold of the Realm	17	0
Gravity	17	5
Gremlins II	17	
Hammerfist	17	AL
Hard Drivin'	11	0
H.A.T.E	14	00
Herewith The Clues	16	AF
Heroes	21	10
*Heros Quest	26	or
Highway Patrol II	16	Q.
Honda RVF	16	a
Hot Rod	17	5
Hound of Shadow	17	4
*Hoyles Book of Games	21	Q.
Hyperdrome	14	Q
Indiana Jones/Adventure	17	4
Indiana Jones/Arcade	14	q
*International 3D Tennis	17	4
*Int Soccer Challenge	17	4
Imperium	17	.50
Ivanhoe	14	.90
Japan Scenery Disk FS2	13	9
Jack Nicklaus Golf	17	.4
Jumpin Jackson	13	.90
Kennedy Approach	17	.9
Khalaan	16	.99
Kick Off	13	.9
Kick Off 2	16	.99
Kid Gloves	17	.45
Killing Game Show	21	.5
Kings Quest 4	20	.9
Kick Off Xtra Time	9	.9
Klax	14	.90
Last Ninja II	17	.5
Leisure Suit Larry	14	.9
Leisure Suit Larry 2	20	.9
Leisure Suit Larry 2 Leisure Suit Larry III	27	.99
Life & Death	17	.50
Line of Fire* Lost Patrol	17	.5
*Lost Patrol	17	.50
Manhunter II	21	.95
Magnum 4	20	.90

Micropose Soccer	16.45
Midwinter	21.95
Midnight Resistance	17.45
Maniac Mansion	16.90
Mega Pack Vol II	
Moonwalker	17.45
Nightbreed Arcade	17.50
Ninja Spirits	
*Nitro	.17.45
North & South	.16.45
Oil Imperium	
Oriental Games	17.45
Pick 'n' Pile	16 90
Pipemania	
Player Manager	
Police Quest	
Police Quest II	
Populous	17.45
Populous	0.05
Powerboat	17.50
Powerdrift	
Powerdrome	
Power Monger	
Power Play	
Precious Metal	17.45
Premier Collection	
Premier Collection II	20.00
Premier Collection III	10.00
*Proflight	
Prof Looks at Words	16 00
Prophecy 1 – Viking Child	17.45
Projectyle	17.45
Pro Tennis Tour	16 00
Pyramax	
Rainbow Islands	15.00
Red Storm Rising	17.45
Resolution 101	17.45
Rick Dangerous	
*Rick Dangerous II	
Rings of Medusa	
Robocop II	17.50
SCI (Chase HQ II)	17.50
*Secret Agent/Sly Spy	15.00
Chart am Lie Construction Vit	.15.90
Shoot em Up Construction Kit Silent Service	
DIRECT DELVICE	17.45

Olliford		THUHUGI SUING
Shadow of the Beast	19.95	Tie Break
Shadow Warriors		TV Sports Football
Sherman M4	14.90	Toobin
Sim City	19.99	Treasure Trap
Space Rogue	20.95	Triad III
Space Ace	32.95	Turbo Outrun
Space Quest	14.90	Tusker
Space Quest II	14.90	Ultimate Golf
Space Quest III	24.95	UMS
*Starblade	16.99	UMS II
Starflight	17.45	UMS Scenario 1
STOS		UMS Scenario 2
STOS Compiler	13.99	Universe 3
STOS Maestro	15.90	Ultima V
STOS Maestro Plus	60.95	Venus Flytrap
STOS Sprites	19.90	Warhead
Street Hockey	17.45	*War Jeep
Stunt Car Racer		Wayne Gretsky's Hockey
Star Wars Trilogy	17.45	Web of Terror
Spell Book		Weird Dreams
Super Off Road Racer	17.50	Wheels of Fire
Teenage Mutant Ninia Hero		Wipe Out
Turtles	19.90	Wonderland
Tennis Cup	14.90	Xenomorph
Test Drive	17.45	Xenophobe
Theme Park Mystery		Xenon II Megaplast
The Toyottes	13.90	X-OUT
The Spy Who Loved Me		Xiphos
The Ultimate Ride		Xybots
Third Courier	17.45	Zombi

Answerback Junior Quiz	.19.95	Mavis Beacon Teaches Typing
Answerback Senior Quiz	.19.95	Micro Maths
French Linkword	.22.94	Primary Maths Course
French Mistress Level A+B	.19.95	Spanish Tutor Level A+B
Fun School 3	.19.95	The Three Bears
Fun School II (6-8 years)	.19.95	Times Jubilee Crossword
Fun School II >8 years	.19.95	
Fun School II <6 years	.19.95	Things to do with Numbers
	.29.90	Things to do with Words
Magic Maths (4-8)	22.95	Better Spelling
Maths Mania (8-12)	.22.95	Better Maths

ST EDUCATIONAL

PLEASE CALL FOR LATEST RELEASES AND PRICES

PLEASE CALL FOR LATEST RELEASES AND PRICES

24 hour hotline for credit card orders



Conquest of Camelot



PLEASE CALL FOR LATEST RELEASES AND PRICES

All prices subject to change without notice Titles marked \* may not be released

and will be sent on the day of release (subject to availability)

**Ghosts and Goblins** 

Ghostbusters II ...

13.90

SALES HOTLINE 0923 89 69 69/071 381 6618

To order: Please send cheque/PO/Access or Visa details to SK Marketing Ltd, 13 Moneyhill Parade, Uxbridge Road, Rickmansworth, Herts, WD3 2BE,

All prices include VAT and carriage is free (UK mainland)

South London: 10 Fulham Broadway London SW6 1AA Tel: 071 381 6618

North London: 13 Moneyhill Parade Uxbridge Road Rickmansworth Herts WD3 2BE

PERSONAL CALLERS WELCOME AT BOTH SHOWROOMS

MONDAY-SATURDAY 9.30am - 5.00pm

ST to change the clock's battery when it expires or if anything goes wrong. The external clocks do however, stop other peripherals from using the cartridge, which may or may not be important depending upon whether you make use of sound samplers, video digitisers, emulators and the like.

Internal clocks don't require a great deal of electronics expertise before they can be fitted and then once installed, they can be forgotten, except when it's time to change the battery. In price terms, there isn't much to choose between the two types – you pays your money and takes your...etc. A good external device to look out for is the Datel Electronics (0782 744707) clock which weighs in at a shade under £30.

## **WEARING THE MASK**

On the surface, it's a bit difficult to see why on earth you'd want to dress your ST up to look like a different, sometimes inferior machine, when it performs perfectly well behaving as itself.

Well, if the situation was as simple as that then you wouldn't. But the ST is a relative newcomer to the computing scene. Both the IBM PC and Apple Macintosh have been around longer than our favourite machine, and anyway, the ST itself is modelled as closely as copyright litigation allows on Apple's Mac.

Perhaps you ought to look at the emulation argument this way. It's precisely because the ST is so powerful that it can emulate other computers so well. If there wasn't a corking 68000 processor at the heart of the machine, more memory than you can shake a silicon stick at and supreme expandibility built in, there wouldn't be a hope of getting the ST to look like anything other than a slightly better than average home micro.

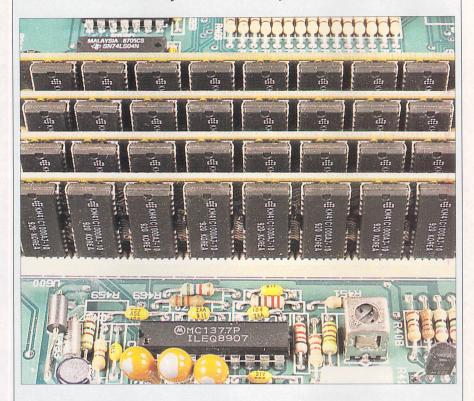
And think about this. Because the Mac and PC are widely used in industry, education, design and so on, some of the best software in the world is written exclusively for these machines. With emulation, you have the best of every world. Run all of the really clever little utilities and the best games around on the ST, switch to PC mode, workout with Word-Star, dBASE, Lotus 1-2-3, Pegasus, and MultiMate, switch again to Mac mode, check out Xpress, Freehand and Illustrator, run a few CP/M, ZX81, Beeb and Atari 8-bit programs just for fun, then return to the ST.

So what's out there? MS-DOS is perhaps the most popular operating system and there are several emulators providing compatibility with it for your ST.

Pc-ditto is a software-based emulator which turns your ST into a living and breathing PC for a fraction of the cost of the real article. For a little under £70, pc-ditto gives you a CGA-based PC which will run all of the popular software, albeit very, very slowly. And that's where pc-ditto fails, for although it is an extremely clever piece of software and an amazing feat of programming, getting the ST's Motorola 68000 to pretend it's an Intel 8086 is not a viable option if you want to retain some of the speed of the latter.

Word processors and the like work perfectly well without a great turn of speed, but anything which requires a large amount of data to be pushed around slows down to the point where it's almost unusable. Before buying 'ditto, think about your needs. If they're occasional, and stretch to little more than a spot of extra-curricular word processing, pc-

## MORE, MORE, MORE!



Back in the days when the most popular home computer was equipped with just 1K of RAM as standard, the 16K RAM pack owner was king. It was looked at with envy by those restricted to one corner of the screen as a display because their machines memory just could not cope with any more.

Computers have come a long way since then. Your ST has a half megabyte as standard – an amount only dreamed of just a few short years ago. So why the need to upgrade?

Well, the rest us may be content with 512K of glorious RAM, but programmers are a jaded lot. Not for them the confines of a half meg. Software is regularly released onto the ST market that just won't run in anything less than a whole megabyte (and requires two to run properly...). If your machine just doesn't mea-

sure up, then what can be done?

Until recently, not very much. Depending upon which model of ST you had, you could buy 16 RAM chips, open the machine up and plug them in. That operation however, was restricted to those machines' pre-installed sockets. If you used surface-mount techniques, you were stuck.

However, the last year or so has seen many new RAM upgrade boards released which can increase the ST's memory quotient up to 4Mb without the need for complex installation procedures. Many simply plug into existing slots over the MMU (memory management unit).

The new RAM upgrades are relatively cheap too. An unpopulated board might cost around £40, and with prices for RAM falling all the time, you could upgrade to elephantine proportions for less than £150.

If you've got an STE, the picture's altogether more rosy. Your machine is equipped as standard with memory modules known as SIMMs (Single In-line Memory Module), and these can be plugged and unplugged as and when required. If your machine has 256K SIMMs for instance, it's a simple matter to buy 1Mb modules (around £50) and replace the 256K SIMMs for the 1Mb SIMMs.

Once upgraded, the ST will be a lot faster and able to cope with dazzling amounts of data. And with an upgraded memory, you can really use utilities such as RAM disks and extended Desk accessory installers.

Check out the ads in Atari ST User for a suitable supplier of RAM upgrade boards, and the Maplin catalogue (which is available from W H Smiths) to find SIMMs and RAM chips.

ditto's fine. But if your needs are for fast, slick PC operation (such as a spreadsheet, large database or anything graphics-based), check out some of the hardware-based PC emulators around.

Of the latter, SuperCharger is one of the best. Inside its neat little upright case, there's a genuine PC-like board bearing real PC-like chips. SuperCharger connects to your ST via the DMA port (you can still connect a hard drive if you have one...) and provides PC emulation so slick, you'd swear there was a slice of Big Blue silicon on your desktop.

SuperCharger is distributed by Condor Computer and costs around £299. The

device comes with its own power supply (early SuperChargers took their power from the ST's joystick port which was not an ideal arrangement) and a disk of utilities. You can use SuperCharger with an ST hard drive by partitioning, and the results are superb.

If your desires are for a Macintosh, then look no further than Gadgets By Small's Spectre GCR. This device connects to the ST via the cartridge port, makes use of the ST's floppy and hard drives and provides complete Macintosh (128K ROM) emulation.

One of the problems associated with Mac emulation, is that Apple's financially remote machine uses a different method of reading and writing disks (known as Group Code Recording hence the GCR in Spectre's title). You can't simply bung Mac floppies into the ST and expect something to happen. Previous emulators required you to have access to a Mac in order that you could use a serial link between the Mac and your ST to transfer system and application software, almost negating the point of the emulator. Not any more. Dave Small's emulator equips the ST with group code recording so that any Mac disk can be used directly.

All Mac software works perfectly with the Spectre GCR and ST. If some program or other doesn't, then it's usually because your ST doesn't have enough RAM or because the program is shoddily written and doesn't conform to Mac guidelines (ie not accessing the operating system directly). Spectre GCR costs £379 and can be obtained from HiSoft on 0525 718181.

And the rest? Whither the QL, Atari 8-bit, ZX81, CP/M et al? Every one of those machines can be emulated, and for free! Take a look at the PD catalogues from some of the libraries advertising on our PD pages, they're stuffed with free (well, the price of a disk anyway...) emulators, all of which are great fun to use and useful too.

## AT THE KEYBOARD...

Unless you have an ST with 'Mega' in its name, that is, one of those sexy 'three-box' STs with a detached keyboard (and let's face it, not many of you have...), then typing anything more than a laundry list on that thing that Atari laughingly describes as the ST's keyboard is gonna have you crippled with cramp – the ST's keyboard is not renowned for being good to type with and let's face it, if a keyboard is no good for typing, then it's no good for nuthin' right?

Unfortunately, there's no easy way of upgrading the keyboard. You can't simply buy one of the many replacement keyboards intended for the PC market, however good they might look. No, the ST is permanently shackled to its built-in keyboard.

There are however, two options for those of you with swollen finger joints and one of them labours under the somewhat unlikely name of 'Springz'.

Comprising several dozen little springs (similar to those in a ball point pen), Springz fit between the ST's key tops and keyboard in an attempt to inject some life into an otherwise dead item.

To install Springz, you prise off each key top using a screwdriver or some such, all the while taking care not to break any, expose the little plunger beneath, slip over a Springz spring and replace the key top. Now, when you depress the key top on the plunger, there's the pressure from the spring to contend with. And this, hopefully, provides some feeling to the keys.

Springz are dreadful! Getting the key tops is perilous and if you break one, there's no guarantee you'll be able to get another from Atari. Once in situ, Springz make very little difference (if any at all...) to the feel of the keyboard, and at 15 clams, you'd be better off spending the money on strong drink and forgetting the problem.

If you're convinced by the idea of Springz, or just like to give your money away, call ISM, the product's distributors on 0983 864674.

And the other option? Third Coast Technologies has recently obtained a little bolt-on

## **SEEING STARS!**

If you're still tied to the domestic TV to provide a display for your ST, it's time to think again. TVs are low resolution, flickery devices that were never meant to contend with the demands made by computer users. The result is that using a TV for anything other than the occasional game can result in the most appalling eye strain.

Many packages won't work at all on a television and so you're reduced to using a mono-emulator or not using the software at all, which means that you could be missing out on an awful lot.

One of the best monitors in

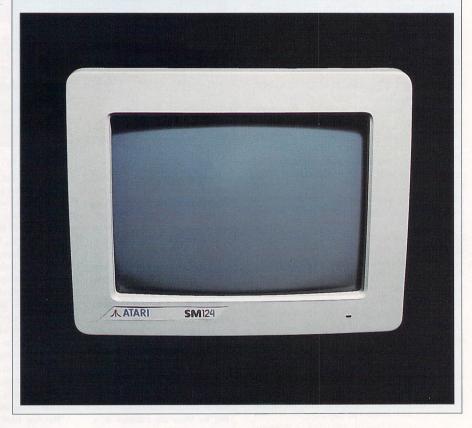
the market place is Atari's very own SM124 monochrome display. Widely regarded as a quality device, the SM124 costs a little over £100 and is probably one of the best additions you can make to any ST system.

If you can justify the cost, a colour monitor is a luxury item that will leave you glowing with satisfaction many months after buying it. At £300 to £400 for a good example however, you need more than just a desire to see into the middle distance in the latest space travel game.

A very good comprise is to buy one of the combined TV and

monitors available from many of the top manufacturers including Fergusson and Philips. These enable you to switch between Coronation Street and the latest arcade corker without losing too much in picture quality. Some offer RGB mode, others a kind of composite, part-modulated display which is infinitely better than a straight TV.

Combined TV/monitors cost around £250 and if you can't stretch to that, why not hire one? Most rental stores hire out TV/monitors, and none cost more than around £8 per month – less than you'd pay for one game.



which enables you to connect a PC keyboard. That's right! Forget all you've read above, the feat can achieved – at a price. No details are available at this time (this is one of those exciting 'Stop Presses' you're always reading about...) but to hear the latest, call Third Coast on 0257 472444.

## EEEK!

One of the ST's biggest selling points when introduced, was that it was the first affordable machine to do away with the archaic command line interpreter of certain other personal computers, and to present instead, a sophisticated point and click WIMP environment.

No longer did users have to remember obscure commands just to read a disk or to create a new sub-directory – simply moving an on-screen pointer and clicking once or twice did the trick. And how did they effect this manoeuvre? Why, with a mouse, of

Atari's silicon rodent is a hand-filling lump of grey hard-edged plastic, with the resolution

of a short-sighted Chelsea Pensioner with a midge in his eye. Six inches across the desktop might get you an inch on the Desktop. And try double-clicking for any length of time! Alright, so I'm exaggerating a mite, but the ST's mouse really is the back-marker of the mouse world, and there are some pretty hot contenders vying for your ST.

One such is the high resolution device from Gasteiner (081 365 1151). The superb Gasteiner mouse is moulded from only the finest extruded poly-vinyls, sugar dipped, then enveloped in a smooth outer coating. The result is a mouse for a little under twenty quid, worthy of any desktop. A high-res mouse is a boon if you're limited on space. Paint and CAD packages operate better and even moving windows around on the Desktop is a pleasure.

Replacing the ST's mouse is an upgrade any owner can perform, Simply plugging in the new is all that's required and when you've tried a high resolution mouse, you'll wonder how you ever managed without one.

## CUMANA HAS THE DISK DRIVE TO SUIT YOUR ATARI, AS WELL AS YOUR POCKET



**CSA 354** 

3½", SLIM 25mm DRIVE UNIT ATARI COLOURED METAL CASE INTEGRAL POWER SUPPLY AND MOULDED MAINS PLUG FORMATTED CAPACITY 720K QUIET, HIGH SPEED ACCESS ACTIVE INDICATOR DATA LEAD **CSA 1000S** 

51/4", SLIM 42mm DRIVE UNIT ATARI COLOURED METAL CASE INTEGRAL POWER SUPPLY AND MOULDED MAINS PLUG FORMATTED CAPACITY 360/720K QUIET, HIGH SPEED ACCESS ACTIVE INDICATOR DATA LEAD 40/80 TRACK SWITCH

Designed and manufactured in the UK to the highest standards, all Cumana disk drives include 12 months warranty and are available from area distributors and a national dealer network.

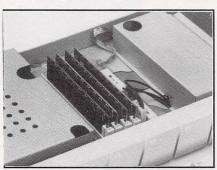
Look out for the distinctive packaging in your high street, today!



ATARI DEALER OF THE YEAR 1989

Buy with confidence from one of the longest established companies in their field, with a reputation for good service and prices. We have invested heavily in a computer system to enable our Telesales staff to provide up-to-the-minute stock information, coupled with highly efficient order processing. Our fully equipped Workshop enables us to carry out almost any repair on our premises. We feel sure that you won't be disappointed if you choose Evesham Micros.

## SOLDERLESS RAM **UPGRADES FOR ST's**



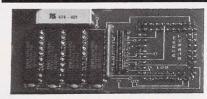
Upgrade the memory of your ST quickly and easily with our new, fully software compatible RAM upgrade board. Designed for pre-STE machines, unit accepts SIMMS slot-in memory modules, making RAM fitting simplicity itself. No electronics knowledge needed! Available with or without RAM modules. Allows upgrade in stages of 1Mb, 2.5Mb and 4Mb, as and when necessary. Straightforward installation - full instructions provided.

- Fits Any STF, STFM or **MEGA** series machine in Minutes!
- ✓ Uses SIMMS RAM Modules for Effortless Upgradeability
- ✓ Probably the Neatest ST RAM Upgrade available!

RAM Upgrade Kit with board unpopulated ....... £59.95 RAM Upgrade Kit With 512K RAM installed: upgrades a 520 ST to total of 1Mb RAM ...... £89.95 RAM Upgrade Kit With 2Mb RAM installed: upgrades a 520 1040 Mega ST1 to 2.5Mb .... £174.95 RAM Upgrade Kit With 4Mb RAM installed:

upgrades a 520 1040 Mega ST1 to 4Mb ...... £284.95 N.B. Due to the large variance in design of the Atarl ST, there is a small minority of boards in existence which may require a little soldering.

## **NEW! PLUG-IN. SOLDERLESS 512K** RAM UPGRADE FOR



Now there is a simpler, faster and more effective method of upgrading your humble 520 ST to 1Mb RAM! Our new plug-in 512K memory upgrade unit offers excellent value for money, requiring no soldering or special technical know-how. (Not suitable for STE machines.)

ONLY £69.95 including VAT and delivery

our Aran's pinces include floods, cast gates etc., PLUS 5 disks of Public Domain software icluding 'Neochrome' graphics utility. 'First Word' wordprocessor, games, graphics and utilities.

## DISCOVERY PACK

High quality, good value package based around the 520STFM computer including 512K RAM, 1Mb Drive and built-in TV modulator. Also supplied is:

STOS Game Creator Carrier Command Space Harrier FirST BASIC

Outrun Bomb Jack Neochrome Atari ST Tour plus 'Discovering your Atari ST' Book

£259.00 Inc. VAT & delivery

Also available with 1Mb RAM fitted for only £339.00

## IEW! 520 STE *TURBO PACK*

Includes the latest 520STE with 1Mb drive, joystick, mouse, user guide, 5 disks of public doma software, plus a high quality selection of entertainment and creativity software, including:

Soliware, Juos a nigni quality select Indiana Jones & Last Crusade Impossible Mission II Human Killing Machine Dragons Breath Hyper Paint 2 (STE version) Music Maker 2 (STE version)

Blood Money Super Cycle Out Run Anarchy FirST BASIC STOS £339.00 Inc. VAT & delivery

520 STE Turbo Pack with 1Mb RAM installed ......£379.00 

## 1040 STE Professional Package

Superb starter package, consisting of a 1040 STE with an excellent selection of starter software

Kuma Wordprocessor Kuma Database Kuma Spreadsheet Kuma Business Graphics

FirST BASIC Hyper Paint 'Prince' game STAC Adventure Creator £429.00 Inc. VAT & delivery

1040 STE Professional Pack with 2Mb RAM installed .. £548.00 1040 STE Professional Pack with 4Mb RAM installed .. £664.00

Atari Mega ST1 with SM124 monochrome monitor (1Mb RAM	)£599.00
Atari Mega ST1 as above with SM124, upgraded to 2Mb RAM	1£769.00
Atari Mega ST1 as above with SM124, upgraded to 4Mb RAN	1£879.00
Atari Mega ST2 with SM124 monochrome monitor (2Mb RAM	£849.00 £
Atari Mega ST4 with SM124 monochrome monitor (4Mb RAM	£1099.00

## ATARI ST ACCESSORIES

Atari SM124 Monochrome Hi-Res Monitor	. £99.00
Atari SC1224 Colour Medium Res. Monitor	£269.00
Philips CM8833 Colour Monitor with stereo sound, includes cable	£249.00
Monitor Switch Box - for connection of both colour & mono monitors	. £13.95
Philips TV Tuner AV7300 for monitors with composite input	. £74.95

## DISK DRIVES

520 STFM 1Mb internal drive upgrade kit with full instructions	£54.95
51/4" Floppy Drive 40/80 track switchable (360/720K) including PSU	
Atari Megafile 30Mb Hard Disk	£439.00
Atari Megafile 60Mb Hard Disk	£589.00

## MEMORY UPGRADES

520 STE RAM upgrade kit to 1Mb, includes 2x256K SIMMS modules.	£40.00
520/1040 STE upgrade kit to 2Mb, inc. 2x1Mb SIMMS modules	£119.00
520/1040 STE upgrade kit to 4Mb, inc. 4x1Mb SIMMS modules	£235.00
520 STFM 1Mb RAM upgrade kit, requires soldering	£59.00
520 STFM 1Mb RAM upgrade, fitted by us	£89.00
Mega ST2 RAM upgrade to 4Mb, fitted by us	£149.00

## VIDEO DIGITISERS

Vidi-ST great value real-time video digitiser. 16 shade frame grabber, suits video, presentation and DTP applications. Includes software .....

## **EMULATORS**

PC-Speed Hardware PC emulator; fast and fully compatible. Uses th	е
ST's RAM for operation. Includes software	£ 99.95
AT-Speed - 80286 based PC emulator, now with EGA/VGA emulation	£199.95
AT ONCE by Vortex - fast 80286 based PC emulator with software	£179.00
Supercharger Hardware PC emulator: V30 processor & 1Mb RAM,	

MS-DOS 4.01, multi-tasking with ST. Many excellent features .......... £289.00 Spectre GCR Macintosh emulator package. Includes Mac ROMS ............ £369.00

## MISCELLANEOUS

Atari SLM605 laserprinter (needs 2Mb+)	. £899.00
Contriver Hi-Res Mouse package, superb value; includes pocket & mat	£22.95
Naksha Mouse package (also compatible to Amiga & Amstrad PC)	£28.95
TrueMouse - the nicest replacement mouse for the ST, guaranteed	£17.95
STF/STFM/STE Joystick & Mouse accessibility extension adapter	£4.95

## **GOLDEN IMAGE HANDY SCANNER** WITH TOUCH-UP PACKAGE

Top value package including a high quality 100-400 dpi scanner with dither options. Scanner includes viewing window with backlight, plus a start control button, for accurate scanning every time. Scans either line-art (mono) or one of three greyscale options, at 100/200/300/400 dpi. The package includes the amazingly powerful, feature-packed 'TOUCH UP' graphics program which drives the scanner directly as one of its many facilities. The software imports and exports many different file formats, and includes image enhancement tools.

ONLY £149.00

including VAT and delivery

## PRINTERS

Star LC10 top-selling 9-pin printer	£ 159.00
Star LC200 NEW! Replaces LC10 Colour; 180 / 45 cps	
Star LC10 Mk.II improved speed 180 / 44 cps	£ 199.00
Star LC24-10 24 pin, excellent value	£215.00
Star LC24-200 NEW! as LC24-10 but 200/67 cps,	
with bottom feed facility and push / pull tractor	£249.00
Star LC24-200 Colour : as above, colour version	£289.00
Star FR-10 9pin 300/76cps 16 NLQ fonts	£369.00
Star FR-15 as FR-10, wide carriage	£ 429.00
Star XB24-10 24pin; 4 SLQ, 25 LQ fonts	£ 429.00
Star XB24-15 as XB24-10, wide carriage	£569.00
Star LC15 wide carriage vers. of LC10	£329.00
Star LC24-15 wide carriage vers, of LC24-10	€ 409.00

## EVESHAM MICROS SPECIAL OFFER -ALL STAR PRINTERS INCLUDE 12 **MONTHS ON-SITE MAINTENANCE!**

Star Laserprinter 8, 8ppm/300dpi
Olivetti DM100S 9 pin printer 200 / 30 cps
price includes 1 year on-site warranty I
Olivetti PG-306 laser; 512K RAM. HP compatible
Olivetti PG-306 laser; 512K RAM. HP compatible
Clivetti PG-306 as above, with PostScript fitted
Epson LX400 budget 10°
Epson LX400 budget 10°
Epson LX400 budget 10°
Epson LX401 10° 24pin
Panasonic KXP1180 multi-feature 9 pin
Panasonic KXP1180 multi-feature 9 pin
Panasonic KXP11624 24pin printer
Panasonic KXP1624 24pin wide carr, printer
NEC P2+ 192/64cps multifont 24pin printer
Hewlett Packard Laserjet III superior 300dpi laser
Hewlett Packard Deskjet 500 (replaces Deskjet Plus) ... £ 1329.00 ... £ 129.95 ... £ 976.35 . £ 1749.00 ... £ 159.00 ... £ 229.00 £399.00

## *ST SOFTWARE*

WORDPROCESSING	
First Word Plus	£57.95
1st Mail (for 1st Word only)	£15.95
Protext Version 5 9	
Tempus 2	£34.95
Word Perfect V4.1 9	2179.00
Word Writer	£37.50

Base Two Data Man

161	
DATABASES	N. A.
·	£22.50
nager Professional	£29.95
	£59.95
e Personal version 2	£69.00

ACCOUNTIN	1G
Accountant	£129.95
Accountant Plus	£209.00
Book Keeper	£84.95
Cash Trader	£86.00
Financial Controller	
Home Accounts (Digita)	
Personal Finance Manager	£22.95
	The second secon

Personal Finance Manager	£22.95
GRAPHICS	
CAD 3D 1.0	£18.95
Architectural/Human/Future Design disks	
Cyber Control (animator)	£29.95
Cyber Paint 2.0	£37.50
Cyber Sculpt	£59.95
Cyber Studio (CAD 2.0)	£37.50
Cyber Texture	£37.95
Degas Elite	£21.00
Deluxe Paint	£45.00
Easy Draw 2	£37.50
Easy Draw + Supercharger	
Easy Tools (requires 1Mb RAM)	
Genesis Molecular Modeller	
GFA Draft Plus	
GFA Draft Plus V3.13	
Migraph Draw Art Professional	
Migraph Scan Art	
Spectrum 512	622 50

DESKTOP PUBLIS	SHING
Desktop Publisher	£69.95
Desktop Publisher Clip-art pack	£19.95
Fleet Street Publisher Version 3	£199.00
LETS MAKE	

Signs and Banners	£8.95
Greetings Cards	£8.95
Calendars & Stationary	
Art Library 1/2 (clip art) [Please state which]	£8.95
MUSIC	

C-Lab Creator	£298.00
C-Lab Notator	£475.00
C-Lab Creator / Unitor	£590.00
C-Lab Notator / Unitor	£765.00
C-Lab X-Alyzer	£190.00
Dr.T Tiger Ćub	. £84.95
Mastertracks Junior	£99.00
Prodigy	. £98.00
RealTime	£179.00
Replay IV	. £63.95
Replay Professional	£110.00
Steinberg Cubase	
Steinberg Masterscore	
Super Conductor	. £37.50
Track 24	£80.00
Virtuoso	
PROGRAMMING	100

	Magalidad Hattill Herselft
FTL Modula-2	£55.95
GFA BASIC Compiler	£22.50
GFA BASIC Version 3	
GST C Compiler	
Hisoft Devpac 2.09	
Hisoft Power Basic	
Lattice C V5.0	115.00
Macro Assembler	
Prospero C	
Prospero Pascal	£79.95
STOS Game creator	
STOS Maestro + (inc.Sampler Module)	£52.95

GAMES AND SIMULATION	NS
Battlemaster	£18.95
Betrayal	£22.50
Elite	£18.95
F-19 Stealth Fighter	£22.50
Flight Simulator II	£37.45
Kick Off 2	£18.95
	£18.95
Leisure Suit Larry III	£22.00
Magic Fly	£19.95
MI Tank Platoon	£22.50
Powermonger	£21.00
Scrabble Deluxe	
Simulcra	£18.95
Treasure Trap	£16.95
Xiphos	£17.95
MICCELLANICOLIC	CONTRACTOR OF THE PERSON

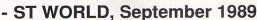
Treasure Trap	. £16.95
Xiphos	. £17.95
MISCELLANEOUS	THE PARTY.
Atari Archive (hard disk backup)	£22.00
Autoroute	£127.00
Epson Emulator for Atari SLM804 printer	
Atari Fastcom 2	. £37.00
Knife ST	
LDW Spreadsheet	£119.00
Logistix	
Mini Office Comms	
Mini Office Presentation Graphics	
Mini Office Spreadsheet	. £18.50
NeoDesk 3 (New latest version)	
Video Titler	. £14.95

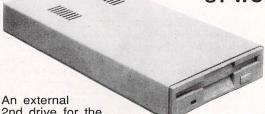
ATARI ST BOOK	-

Tricks & Tips £14.95	GFA BASIC advanced prg . £11.95
Intro to MIDI programming . £14.95	GFA BASIC V3 Software
Disk Drives - Inside & Out £16.95	Development £14.95
1et Stone in 68000 acm	Your Second Manual 914 95

## Full Featured, Top Quality **External 2nd Floppy Drive**

"... a very smart looking drive indeed ... a very slim and quiet device ... it is very keenly priced too."





2nd drive for the Atari ST at an ultra low

price - complete with its own plug-in external power supply (beware of other makes of drive that take their power from the joystick port !) Based around a Teac/Citizen drive mechanism, this drive gives the full 720K formatted capacity. Quiet in operation, neat slimline design, colour matched to the ST, with a long connection cable for location left or right of the computer.

SUPER LOW PRICE!

including VAT and delivery -Why pay more?



Very high quality trackball, directly compatible to any ST, Amiga or CBM'64, plus many others. Operates from the mouse or joystick port, and features selectable drag / autofire button for versatility and better action. Left or right hand use, with total one handed control.

Top quality construction and opto-mechanical
design, delivering high speed and accuracy
every time. No driver software required EXCELLENT VALUE at only £44.95

## **TRUEMOUSE**



WE GUARANTEE that this smoothest, most is the smoothest, most responsive and accurate replacement mouse you can buy for the ST. Excellent performance, amazing low price!

£17.95 SATISFACTION

## ATARI ST REPAIRS BY THE EXPERTS

Our fully equipped service department is ready to handle almost any Atari ST repair.

We can now offer fixed price repairs on any ST computer. Our price is inclusive of return postage, and covers any fault occurring in normal usage, including disk drive problems. We reserve the right to refuse any machine that we consider to have been damaged other than in normal uses on substanted readings the light price. use, eg. substandard repair work, lightning and physical damage - these will be quoted for separately.

ST Fixed Rate Repair ..... £65.00

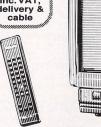
If you are in any doubt, please telephone us on 0386 446441

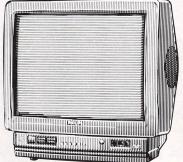
Service Exchange on Atari ST power supplies ..... £45.00

## PHILIPS 15" FST TV/MONITOR

With its dedicated monitor input, this model combines the advantages of a high quality medium resolution monitor with the convenience of remote control teletext TV - at an excellent low price!







## LYNX Portable Games System



- Amazing hand-held 16-bit video games machine Built-in high definition, full colour LCD display Up to 16 colours display out of a possible 4096 32-bit audio processor for superta 4 Channel sound Screen Ilip option for Left or Riight hand play I Multiplayer Competitions possible using COMLVNX cable (supplied) to connect with other Lynx systems California Games (multiplayer) care card sucolied 1
- California Games (multiplayer) game card supplied
   Runs from 6 x AA batteries (not supplied) or AC

## Only £159.00 including VA

Electro Cop £ 19.95	Blue Lightning £ 19.95
Slime World £ 19.95	Blue Lightning £ 19.95 Gates of Zendocon £ 19.95
Klaxx £ 19.95	Zendocon £ 19.95
Rampage £ 22.95	Challenge £ 19.95

RETAIL SHOWROOMS

Unit 9 St Richards Road Evesham Worcs WR11 6XJ 2 0386-765180 fax: 0386-765354

5 Glisson Road Cambridge CB1 2HA T 0223-323898 fax: 0223-322883 Open Mon - Sat, 9.30 - 6.00 Specialist Education Centre

1762 Pershore Road Cofferidge Birmingham B30 3BH \$\overline{1}\$ 021-458 4564 fax: 021-433 3825 Open Mon - Sat, 9.00 - 5.30

## ALL PRICES INCLUDE VAT AND DELIVERY

Same day despatch whenever possible. Express Courier delivery £5.00 extra.

MAIL ORDER DEPARTMENT

Unit 9 St Richards Rd, Evesham, Worcs WR11 6XJ



Call us now on © 0386-765500 8 lines, Open Mon-Sat, 9.00-5.30. Fax: 0386-765354 Technical support (open Mon-Fri, 9.30-5.30): 0386-40303



Send an Order with Cheque, Postal Order or ACCESSIVISA card details. llow 5 working days personal chq. clearance

Government, Education & PLC orders welcome All products covered by 12 Months Warranty All goods subject to availability, E. & O.E.

## DISCOUNT SOFTWARE

## **For The Atari ST**

ACCESSORIES	SPE	CIALS	EDUCATIONAL SOFTWARE
3.5"disc head cleaner	NEW!! PROTEXT version 5	VIDI-ST	by Database Educational
ST-CENTRONICS printer lead6.95			Fun School 2 for 2-6 years12.95 Fun School 2 for 6-8's12.95
Neoprene Mouse Mat3.95	Still a very fast, non-GEM wp	The best value video digitiser	Fun School 2 for 8-12's12.95
Quickjoy 2 Turbo Joystick9.95 Comp. Pro 5000 J/stick13.95	package, but now benefits from	available for the ST. Grabs mono	Fun School 3 for 2-5's15.95
Joystick/Mouse Ext. Leads5.95	pull-down menus and better	images in 16 shades from any	Fun School 3 for 5-7's
Naksha Mouse27.95	mouse control (although all	domestic VCR (with composite	Fun School 3 for 7-12's
UNBRANDED 3.5" DSDD DISCS	current key press commands are	video output) to be saved as NEO	by Kosmos Software Answer back Junior Quiz (6-11)13.95
10	still available), holds up to 36	or Degas files for use with other	Answerback Senior Quiz (12+)13.95
2013.00	documents in memory,	graphic or D.T.P. software	Factfile Spelling (6-11)9.95
SONY BRAND MF2DD 3.5" DISCS	newspaper style columns, new	RRP £99.95 OUR PRICE £79.95	Factfile Arithmetic (6-11)9.95
1010.95	Collins dictionary, new file		factfiles are data for Quiz only. 10 other topics available French Mistress (12-adult)14.95
2020.95	selector. Still the best wp for using	HITACHI VIDEO CAMERA	German Master (12-adult)14.95
	your printers fonts and effects,	Basic black & white CCTV	Spanish Tutor (12-adult)14.95
GRAPHICS & PRESENTATIONS	rather than waiting for "graphic	camera ideal for digitising with	Italian Tutor (12-adult)14.95
Timeworks Desktop Publisher 68.95	font" print outs. 1 mb required.	VIDI-ST	Learn to Read with Prof by Prisma
Timeworks DTP Tutor24.95	RRP £149.95 OUR PRICE £99.95		builds a complete reading course for 4 to 9 year olds.  Assumes no initial reading ability
Easy Draw 236.95	Protext 5 demo disc£5.00	£219.95	1. Prof Plays a New Game21.95
Supercharged Easy Draw 259.95	Protext 4.2 still available£64.95	TOTAL CONTROL OF THE PROPERTY	includes audio tape and 5 booklets
Mini Office Graphs15.95	Protext 4.2 Demo Disc£5.00	VIDI-PACK	2. Prof Looks at Words17.95 3. Prof Makes Sentences17.95
K-Graph 339.95	PRODATA	VIDI-ST	by B.Bytes
Deluxe Paint	Arnor's new database will not	HITACHI VIDEO CAMERA	B. Spell (5-8)10.95
Canvas	disappoint. Features excellent	£289.95	Schooltime Maths (over 5's)10.95
Degas Elite	data layout facilities, including a		Play-spell (7 and over)10.95
Cyber Studio	wide range of printer effects, 10 indexes per data file, and uses	CTOC THE CAME CREATOR	Others Hooray for Henrietta (5-12)17.95
Cyber Paint39.95	many of Protext's editing	STOS-THE GAME CREATOR	Primary Maths Course (3-12)19.95
Cyber Sculpt59.95	commands	STOS Basic Interpreter19.95 STOS Add-on Compiler12.95	Micro Maths (11-GCSE)19.95
	RRP £79.95 OUR PRICE £55.95	STOS PLUS COMPILER29.95	Let's Spell at Home (4-9)14.95
PROGRAMMING	Prodata Demo Disc£5.00	STOS Maestro15.95	Let's Spell at the Shops (4-9)14.95
Tempus 2-Progammers Editor29.95		STOS Sprites 6009.95	Mavis Beacon Typing (12+)19.95
Hisoft Power Basic34.95	PRO-PACK !!	STOS Game Galore13.95	MUSIC & SAMPLERS
Hisoft Basic (inc GEM libs)58.95	Protext v5 and Prodata	Game Makers Manual (book)11.95	NEW! Mastersound 229.95
GST C Compiler14.95	£149.95		STOS Maestro Plus
Hisoft C Interpreter39.95	CUMANUA		NEW! Replay 859.95
Prospero C compiler74.95	CUMANA	MINI OFFICE PROFESSIONAL	Replay Professional99.95
Lattice C v5	CSA 354 2ND DISC DRIVES	SPREADSHEET	Quartet35.95 NEW! TCB Tracker39.95
Hisoft Devpac V2 assembler39.95	quality external second 3.5"	PRESENTATION GRAPHICS COMMUNICATIONS	NEW! TOB Tracker
Hisoft/OSS Personal Pascal5895	double sided disc drive,	£15.95 EACH	DUST COVERS
Prospero Pascal74.95	INCLUDING PSU AND CABLE £69.95		DUST SOLETIO
Prospero Fortran74.95	109.93	2 FOR £30.00	All nylon fabric, not PVC type
Nevada Cobol (CPM)33.95			STFM/STE Keyboard
Hisoft Wercs21.95	WORD PROCESSING	PRINTERS RIBBONS	Atari SM124 Monitor
Hisoft Wercs Plus (inc GDOS)33.95	Protext(see Specials)	Compatible Ribbons	Star LC10, Mk1, 2 or Colour4.95
SPREADSHEETS/FINANCIAL	First Word Plus	Amstrad DMP 2000/3000 range3.50	Star LC24-10
	K-Word 227.95	Star LC-10 Mono3.95	Panasonic KXP10814.95
Mini Office Spreadsheet15.95	K-Spell	Panasonic KXP-1080/1081/11243.95	Panasonic KXP11245.95
DG Calc by Digita28.95 K-Spread 3 by Kuma59.95		Citizen 120-D/Plus/Swift 243.95  Manufacturers original ribbons	Citizen 120 D and Plus4.95
K-Spread 4 by Kuma99.95	BOOKS	Panasonic KXP-1080/10816.95	MISCELLANEOUS SOFTWARE
Home Accounts by Digita18.95	Abacus	Panasonic KXP-11247.95	
Personal Finance Mgr Plus29.95	ST 3-d Graphics	Star LC-10 Mono4.95	Day by Day Electronic Diary22.95
Personal Tax Planner Digita28.95	ST Machine Language	Star LC24-10	K-Comm 232.95
Cashbook Controller37.95	ST Tricks and Tips	Star LC-10 Colour	Harlekin34.95
System 337.95		Star LC24-200 Mono	NEODECK 2
DATABASES	ST Disc Drives inside & Out18.95	Star LC24-200 Long Life Mono7.50	NEODESK 3
The state of the s	ST Basic to C18.95	Star LC-200 Colour	£28.95
Mailshot (label printing)18.95	Others	Star LC24-200 Colour11.95 Heat Transfer Ribbons	
K-Data34.95 Prodata see "Specials"55.95	The C Language. by K&R23.95	Produces iron-on transfers.	Hisoft Twist28.95
Data Manager Professional29.95	Big Red Book of C	Citizen 120-D10.95	Hisoft Turbo ST28.95
B. Base 2 <i>B. Ware</i> 11.95	Pascal: A beginners Guide6.50	Panasonic KXP 108110.95	Hisoft Knife ST
Super Card Index by B. Ware19.95		Star LC-10 Mono	Flexidump (9 pin Mono only)17.95 Flexidump Plus31.95
Base 2 by Antic/Catalog21.95	The Game makers Manual11.95	Star LC-10 Colour16.95	Tiestiduliip Fide
	ALL PRICES INCLUDE VAT	AND POSTAGE TO THE III	7





Education, Local Authority and Government orders welcomed. Overseas customers also welcome, please call or write for quotations. All goods subject to availability, all prices subject to change without notice. E&OE

> CALLERS WELCOME: 9.30 TO 5.00 SIX DAYS PLEASE SEND CHEQUES OR POSTAL ORDERS TO:



2 THE ARCHES, ICKNIELD WAY, LETCHWORTH, HERTS, SG6 1UJ

**TELEPHONE ORDERS AND ENQUIRIES ON:** (0462) 481166 (6 lines) FAX: 0462 670301

Proprietor: MJ Cooper

VISA

# January



FLIMBO'S QUEST Another great demo. This time it's a stunning platform style game from System 3. Cartoonstyle graphics, great music, lots of action!

FSELECT 6.0
This month, we've tested numerous replacement file selectors to bring you the very best. We think FSELECT 6.0 is the greatest.

**SUPERBOOT** AUTO programs, desk accessories and GDOS files - SUPERBOOT 5.5 is a simple AUTO program that lets you change these aspects of your set-up every time you reboot.

**RAMDISK**Disk copying on a single drive ST is pretty slow. QuikDisk is a RAM disk desk accessory that lets you install a RAM disk of any size up to 512K to speed file copying.

MOUSE KA MANIA!
The ST's mouse pointer is all very well, but do you ever crave a little excitement on your

desktop? Now you can edit and animate your mouse pointer to create anything at all. Does anyone fancy a buzzing bee?

**SCREEN EMULATORS**Buying two monitors for the ST's three screen modes can be expensive. 'USER provides a cheap and simple answer to the problem. With these programs you can run colour programs on a mono monitor and mono programs on a colour monitor. Simple!

VIRUS CURE You may have noticed a virus called Green Goblins on last month's CoverDisk (see below). But here's the CURE. On Side One is a program specially written to kill the little green goblins, called CURE. Just follow the simple instructions on the Disk.

DALEKS
After all the serious stuff, a little light relief. Daleks puts you in the role of Doctor Who. Force the Daleks to crash into each other or blast them with the Sonic Screwdriver.

## what's in doc?

Well over 1Mb of stunning games, sexy demos and scintillating features as well as sound samples, MIDI libraries, clip-art, the flotsam and jetsam of everyday computing, how can you be without it? Forget the rest, 'USER gives you the most and best!

- · We use the most cunning disk formatting program ever devised to enable even single sided drive owners to get their read/write heads on the goodies, but even we're limited by natural physical forces, je if you only have one head then you'll only get one side, right?
- To access side two, simply double click the folder Side 2 and you'll be transported to an Aladdin's cave of electronic delights.
- And for those who just can't live without the tempting teasers on side two, we offer our Side Two Service. For just £1.50 (which includes the all-important postage and packing) we'll put the goodies from side two on a single sided disk and send it. Send cheques or postal orders payable to Atari ST User Disk Offer; Europa House, Adlington Park, Macclesfield, SK10 4NP.

## ATTACK OF THE GREEN GOBLINS

Many thanks to all those 'User readers who've written and phoned to tell us that a virus somehow sneaked onto the December cover disk.

Although the disk goes through several stages of stringent quality control both here in the 'USER office, and later, as it is duplicated, the Green Goblin Virus managed to sneak past.

For those of you who are worried about what this unfriendly little program does, here's some detailed info on Green Goblin.

Firstly, it must be said that Green Goblin is not a malicious virus, it does not look for files or data to trash, it does not wait until Friday the 13th and then strike. Its purpose in life is merely to print "The Green Goblin Strikes Again" on the screen and reproduce itself (every 16 times it makes a mess of your screen).

Unfortunately, in reproducing, it may inadvertently write itself to the bootsector of program disks which may cause problems.

The bootsector of a disk is a special area of information which is usually taken advantage of by programs (often games) which need to auto-boot (load automatically when you switch on).

So what steps can be taken to prevent this little Green menace from reproducing itself onto your games or other software disks?

Firstly, ensure that all your valuable disks have their write protect notch switched to the open position. No program can write to a disk that has been physically write protected, and this virus is no exception.

Secondly, always switch your machine off for at least 30 seconds before inserting a game or other valuable program. If you do

this, the memory in your machine will lose its contents along with all traces of the Virus.

Finally, use the Virus Killer program which can be found on this month's CoverDisk. It will eradicate the Green Goblin from your disks. The program is called CURE. See above for details.

We are sorry for the inconvenience that this naughty little program may have caused. Viruses are cunning pieces of software and can strike even the most careful of computer users.

We have however, completely reviewed our testing procedures and this will be the last unwelcome guest that appears on the 'User cover disk.

Do take notice of this advice - any disk can contain a virus including Public Domain software and even commercial games, business packages and utilities.

## loading guaranteed

Look, we do our utmost to ensure that every disk is 100 per cent perfect. Unfortunately, physical forces such as those propounded by Einstein himself, suggest that a tiny proportion of those disks will contain

If you're one of the lucky readers who has a disk which conforms to Einstein's theories, but would rather have an ordinary, common or garden working disk, here's what to do: stop panicking! We've come across the problem before and know just what to do. Wrap up the offending item in some stout packaging (you don't want to frighten the postie-man, right?) and send it to Stanley Precision Data Systems, Unit F, Cavendish Courtyard, Sallow Road, Weldon North Ind. Est., Corby, Northants, together with your name and address and we'll



## **SUPERBOOT 5.5**

Filename: SUPERBT.PRG

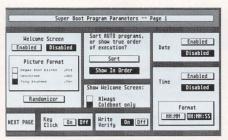
The ST is a wonderful machine, but it does have several faults. It can only load six desk accessories at one time and cannot choose which AUTO folder programs to run. The machine cannot manage more than one DESKTOP.INF or ASSIGN.SYS file at once, and it will not auto-boot GEM programs.

SuperBoot sets out to solve many of these problems by allowing you to completely configure your machine every time you boot up. You can select the DESKTOP.INF file you want to load, so you could set up one desktop for word processing, another for a data base and so on, each with different disk icons and open windows. Users of GDOS will be glad to see that ASSIGN.SYS files are also exchangeable, so different programs can have different fonts and printer drivers.

You can have as many accessories as you like on your disk and SuperBoot will let you choose which ones you need to load when you boot. Auto folder programs can also be selected, so you can run some programs and not others.

SuperBoot lets you assign frequently used combinations for programs to different function keys, and therefore load the programs with the press of a single key. Super-Boot uses a small program called STARTGEM to auto-boot GEM programs, and each function key can have a different file assigned to it to auto-boot. You can also password protect your hard disk to stop people tampering with

SuperBoot comes in two parts, the AUTO folder program that deals with configuring your system, and another program that allows you to customise the main program to suit your own system and way of working.



SuperBoot can be customised to suit your hardware with this simple editor program

## help with this problem: **BIGCOLOR** Configuration: All mono STs

**SCREEN** 

**EMULATORS** 

Owning a machine that has two separate

screen modes, one for games and the other

for serious work is all very well, but it does

entail the expense of two monitors. This

month's disk has two programs which can

Filename: BIGCOLOUR.PRG Bigcolor is a program that goes in the AUTO folder of your boot disk and allows colouronly programs to run on a monochrome monitor. Bigcolor maps the 16 colours of a normal low resolution screen into seven different patterns of grey dots.

While most serious programs such as art packages will run under emulation, programs that bypass the operating system and look for the screen directly aren't fooled and won't work. Most games are like this. Programs that try to perform clever tricks with the colour palette such as Spectrum 512 get confused by Bigcolor and crash.

## MONOEMU

Configuration: All colour STs Filename: MONOEMU.PRG

The Mono Emulator version five works in almost the same way as Bigcolor, fooling monochrome-only programs into running on a colour screen. It should also be placed into the AUTO folder of your work disk, and the machine needs to be rebooted to take effect

Most programs that need a monochrome screen follow the programming guidelines, and check the operating system to find out what type of screen they have. So nearly all programs that need a mono screen are fooled by this emulator.

## FLIMBO'S QUEST

Configuration: All STs, colour only Filename: FLIMBO.TOS

Flimbo is beside himself with worry. The evil Professor has kidnapped his girlfriend, Pearl, and it's up to Flimbo to get her back.

The Professor is searching for the secret of eternal youth, and he plans to experiment on Pearl. Flimbo has no alternative but to rescue her before she succumbs to the evil designs of the madman. With Pearl set to meet her Maker at noon, Flimbo has just 35 minutes to free her, or else!

Flimbo is a stunning platstyle game from System 3, programmed by Eldritch the Cat (an interesting name). The game boasts truly fabulous cartoon-style graphics, stunning music and some of the best parallax scrolling around, and there is a fully playable demo on this month's disk

## PLAY THE GAME

The demo of Flimbo's Quest is stored in the FLIMBO folder on Side One of the CoverDisk, so all ST owners can access it. Inside the folder is a single program file. FLIMBO.TOS. Double clicking on this will start the game demo.

Flimbo is controlled on his quest via a joystick plugged into Port One (the one without the mouse). The fire button activates Flimbo's magic wand and shoots a bolt of energy at the nasties.

To enter the Wizards Shop push fire and press the joystick up. Extra weapons can be purchased by selecting the one you require and pressing fire. That is, providing you have enough money.

That's all, just sit back, boot up and enjoy!

# FranzsD.

Sprites galore and platform hopping action from Flimbo's Quest

## **MOUSE KA**

. . . . . . . . . . . . . . . . . . .

**Configuration: All STs** Filename: MOUSE28.ACC

The ST's mouse pointer could hardly be described as exciting. While other computers have animated hour glasses or ticking watches when they're busy, the ST just gets a bee. The pointer icon is fine, but even so, lots of users wish they had the ability to customise the pointer. Now, with Mouse Ka Mania, they can.

Mouse Ka Mania is a fully featured mouse pointer editor that allows you to design and use your own individual mouse pointers. Even better, you can create a sequence of frames and animate your mouse - so the bee pointer literally flies across your screen or a spaceship zooms between applications.

Two types of sample pointers are included on the disk, one set of stationary pointers and the other of animation files. Any of these new pointers can be loaded when you boot the machine with the Mouse Accessory. It is also possible to remove them at any time.

## **DALEKS**

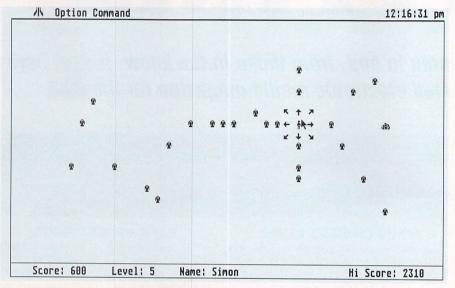
Configuration: All STs Filename: DALEKS.PRG

Improving the way your ST works is all very well, but what about those odd moments when you need to relax away from the pressure of your word processor.

The UserDisk provides the answer. Daleks is an infuriatingly addictive, but very simple game based on the all-time classic series,

Doctor Who. Playing the part of the Doctor you must evade the ever advancing hoards of Daleks.

With nothing but your trusty Sonic Screwdriver to protect you, it's only a matter of time before the forces of evil have you cornered... Exterminate... Exterminate...



Almost 40 Daleks close in on the Doctor from all sides. Can you guide him to safety?

## **RAMDISK**

. . . . . . . . .

## Configuration: All STs Filename: RAMDISK.ACC

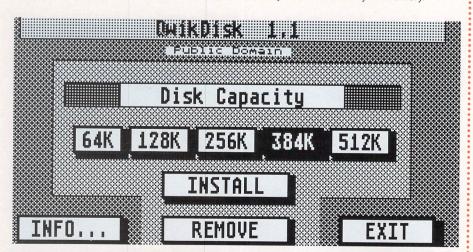
The ST makes less than ideal use of its memory when copying files on a single drive machine. Swapping a disk every time a file is copied is tedious and unnecessary. The ideal solution to the problem is to copy the files to a RAM disk and then copy from the RAM disk to the new floppy. Programs that are copied to a RAM disk before they are run execute much faster, and data

files, such as spelling dictionaries for a word processor load in a fraction of the time taken by a floppy disk.

The trouble with most RAM disks is that they boot from the AUTO folder, take up memory when installed and there's no way to get rid of them once you've finished what you were doing.

QuikDisk takes care of these problems. It loads up as a Desk Accessory and when selected, displays a friendly dialog box that allows you to select the size of RAM disk to be installed as drive M.

The main advantage of QuikDisk over most other RAM disks is that once you've finished with it, the disk can be removed, freeing the memory that was used. This means that you don't have to reboot to recover your memory.



QuikDisk lets you install and remove a RAM disk as and when you need it. You don't have to go through the tedious task of rebooting your ST each time you go through this procedure

## FILE SELECTOR V6.0

Configuration: All STs Filename: FSEL60.PRG

Anyone who has used the ST for more than the occasional game cannot help but notice that the GEM operating system has several faults, most noticeably in the area of file selection. The GEM file selector is not the easiest or most intuitive system in the world, so 'USER offers you an alternative.

Among the advantages offered by FSEL are individual buttons to select the drive you need. Careful editing of the directory path line is no longer needed – with FSEL, just click on a single button. The directory can be sorted by either name, extender, date or size allowing you to reorder your files in the most convenient manner.

The directory window displays nine files or folders, and their size. New buttons have been added to the drag bar to let you see the date and time your files were saved. The whole disk directory can be printed out so a record can be kept of all the files on your disk.

If a file is highlighted and you click on the '?' button, then the file attributes will be displayed in a separate dialog box. Here you can change all the attributes of the files, such as hidden, system, change the file to Read Only to stop it being deleted, or alter the archive bit to back it up. You can also change the name of a file here.

FSEL should be installed in the AUTO folder of your boot disk to work properly.

:\*.DOC Selection:	Г	OK	CAN	CE
¥ ?	*,DOC		P	1
M ADVENT	<dir></dir>	10-1	7-90	3
<b>₩</b> DATABASE	<dir></dir>	9-1	,	
₩ DISK_59 .JAN	<dir></dir>	10-1	2-98	
<b>∅</b> GENERAL	<dir></dir>	9-1	9-90	
<b>₩ GRABS</b>	<dir></dir>	10-1	8-90	
₩ ISSUE_59.JAN	<dir></dir>	10-1	2-98	
STAND_BY	<dir></dir>	10-0	5-90	
₩ TO_ASCII	<dir></dir>	9-2	8-90	
₩ TO_SUB	<dir></dir>	10-0		1

This replacement for the GEM file selector is easy to install and simple to use



Programming from beginning to end, from those in the know. It's all here on the world's first dedicated electronic media magazine for the ST....

## **GETTING STARTED**

RunTime is a disk-based magazine program with articles providing programming help, hints for games writers and much more.

The magazine appears on the disk as a program called MAGAZINE.PRG and all you need to do to read the disk magazine is double click on the program icon. You'll see a GEM menu: bar at the top of the screen - moving your mouse pointer over it reveals several drop down menus.

These menus contain the titles of all the programs, articles, games and utilities on the cover disk. Click on a menu option and the article will be loaded and displayed on the screen. If your TV isn't very clear you can print out the article, then study it at your leisure.

At the foot of the screen you'll see several icons. Here's what the main ones do when you click on them with the mouse...



This is the icon which enables you to return to the opening GEM menu bar. Click this if you want to stop reading the current feature



Use this icon if there is a particular page of the feature which interests you and which you wish to have on paper



If you need to print the entire feature, tutorial and so on, this is the icon you need. Click here to send the complete feature to your printer



Often, as you're reading a feature there'll be an associated picture to help illustrate a point. Click on this icon to see the picture



Everyone, even learned programmers, needs help occasionally, if you find that some friendly advice is needed, click the cross



## PROGRAMMER'S CLINIC

Programming the ST can be a rewarding pastime. Whether your language is Assembler, C or BASIC. There's nothing quite as satisfying as seeing your programming up and

But programming is not always plain sailing, and as often as not, your program will fail to work first time around. Some rogue VDI call is trashing a protected area of memory, an AWOL instruction runs amok through the hardware registers, and pretty little cherry bombs scatter the screen.

Mathew Lodge, 'USER's own fearless programmer unravels the mysteries.

## **MIDI FILES**

Software to control MIDI instruments abounds on the ST, with programs such as Pro 24 and Cubase helping to establish the ST as a seri-These programs machine. developed a series of standard file formats for exchanging data between different applications.

Paul Andreas Overaa, in this second and final article, continues his examination of the structure and format of MIDI data files.

## **BASIC PROGRAMMING**

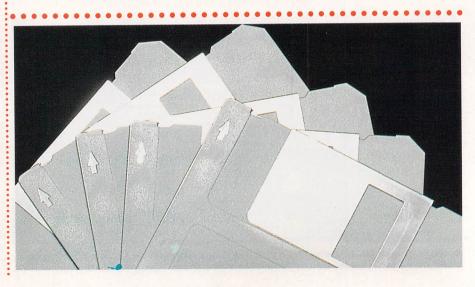
BASIC, the Beginners' All Purpose Symbolic Instruction Code, was developed to enable the computer users to program the machine as easily as possible.

The original version of BASIC was less than brilliant, and several alternatives are vying for your cash. But which one is the best? Peter Phillips begins his BASIC programming series by examining and assessing the various BASICs on the market. So if you're confused over the choices available, just load the disk.

## COMING SOON...

Here at 'USER we're determined to give our readers exactly what they want. So, in next month's magazine, we'll be introducing a new RUNTIME magazine program to make getting into the Disk easier than ever before (we have received the odd letter about difficulty in finding things on the Disk).

Programmed specially for 'USER by Hal Computing, the new interface makes reading the on-disk text files simpler and more intuitive. Online help, simple to use icons, superb articles, informative features, great demos. What more could you want?





## YES!!!

## THERE IS A SANTA CLAUS

THE ULTIMATE BUNDLE CREATES A HARD BARGAIN

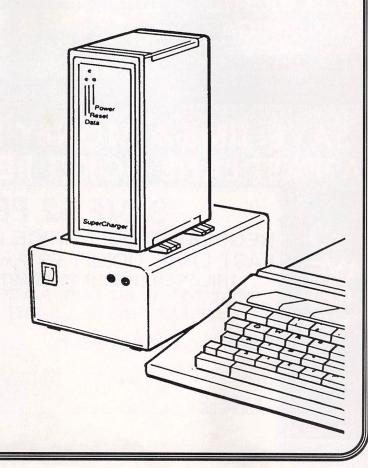
SUPERCHARGER 1.4,
THE EXPANDABLE PLUG-IN MS-DOS
CO-COMPUTER + 40 MEG SERIES 900
HARD DRIVE

(ST FORMAT 92% RATING)

PRICE OF £549.00
INCLUDING VAT



CONDOR TRADING LIMITED 6 BACCHUS HOUSE, CALLEVA PARK ALDERMASTON, BERKSHIRE RG7 4QW TELEPHONE: (0734) 810066 FAX: 819791



## EUROPES BIGGEST 16 BIT DEDICATED EVENT

4 - 5 - 6 **JANUARY** 1991 SHOW OPEN 10-6 EVERYDAY **CLOSES 4PM SUNDAY 6th** 



**NEW LARGER VENUE** NOVOTEL HOTEL **HAMMERSMITH** LONDON W6

NEAREST TUBE STATION **HAMMERSMITH** (PICCADILLY, METROPOLITA & DISTRICT LINES) ORGANISERS WESTMINSTER EXHIBITIONS LTD SURREY HOUSE, 34 EDEN STREET KINGSTON, SURREY, KT1 1ER PHONE 081-549-3444 FAX 081-547-1311

THE ONLY **EUROPEAN** SHOW **DEDICATED** TO THE **SERIOUS & ENTERTAINMENT** SIDES OF THE ST & AMIGA



## **OVER 140 EXHIBITORS** INCLUDING

ADAMSOFT, ADVENTURE SOFTWARE AUDIO VISUAL RESEARCH CASPELL COMPUTERS, CAVENDISH DISTRIBUTION
CHECKMATE SYSTEMS, COMPUTER MANUAL
DS&K DESIGNS, ENSONIQ ECLIPSE COMPUTER SUPPLIERS FRONTIER SOFTWARE, GFA MEDIA DATA GASTEINER TECHNOLOGIES GASTEINER TECHNOLOGIES
H.B. MARKETING, HI-SOFT, HI-TEC MODEMS
INFOGRAMMES, INTERCEPTOR, KUMA
LOGIC SALES, MEMORY EXPANSION SYSTEM
MICRO MART, MICRODEAL, MUTANT SOFTWAR
NADI SYSTEMS, PANDAAL MARKETING
POWER COMPUTING, PROTON SOFTWARE
PSYGNOSIS, RAD TECHNOLOGY
RIVERDENE PDL, SILICA SHOP, ST CLUB
SIREN SOFTWARE, SOFTWARE SELECTION
STAMPEDE, TAKE CONTROL, U.S ACTION
U.S GOLD, VIDEK

## SAVE TIME & MONEY BY PRE-PURCHASING A FAST LANE TICKET BEFORE DECEMBER

## SAVE £2 PER TICKET

PRE-PURCHASE YOUR TICKETS AND SAVE

OFF REGULAR DOOR PRICE

SAVE £2 PER TICKE			C		-	r	,		1				h		7		1	L	4		V	AI	5	,
-------------------	--	--	---	--	---	---	---	--	---	--	--	--	---	--	---	--	---	---	---	--	---	----	---	---

REGULAR TICKET PRICE £5 (At door or after December 17th) FAST LANE TICKET £3 (Purchased before December 17th). CHILDREN UNDER 10 ADMITTED FREE WITH ADULTS POST TO - 16 BIT FAIR, P.O.BOX 68 ST AUSTELL, PL25 4YB PLEASE SEND ME.....FAST LANE TICKETS AT £3 EACH

CHEQUE/ P.O. ENCLOSED FOR £.....MADE PAYABLE TO 16 BIT FAIR

.....POSTCODE...... OR PHONE 0726 68020 With Credit Card No.







A " FAST LANE TICKET HOLDER ONLY" ENTRANC WILL BE SITUATE ON THE 1st FLOC OF THE HOTEL ADJACENT TO THE RECEPTION DESK. TAKE NO NOTICE OF THE QUEUE OUTSIDE SIMPLY WALK IN THE HOTEL LOBE

**FAST LANE** TICKET

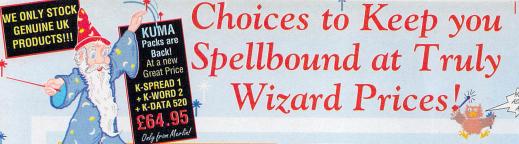
**HOLDERS** HAVE THEIR

**OWN PRIORIT** 

**ENTRANCE** 

# PY WHO LOVED ME 44 206000 NIGHTMARE 47, PLOTTING 51, NIGHTBREED 54, ERICKET CAPTAIN 58, IN SQUADRON 61, TEAM YANKEE 64 IT TANK PLATOON 68, ATOMIC ROBOKID 71, PARADROID 74

The 'USER team rumbles across the plains of northern Cheshire to bring you the very best in ST entertainment



水

北



# ISCOVERY

WORK, LEARN & PLAY WITH YOUR NEW ATARI 520STFM

Now you can buy the tried and tested Atari 520STFM with ALL of the following...

- FirST BASICWrite your own Basic Programmes Easy to learn!

- utorial, on screen step b 4 GREAT GAMES Space

Great New Pack at a Great Low Price:

Inclusive of VAT, Postage and FREE ST BASIC

# ATARI 520 STE iks y

Great collection of NEW Atari games in a BRAND NEW 520 STE PACK **IDEAL FOR CHRISTMAS!!!** 

ATARI 520STE WITH BUILT-IN 1 Mb 3.5" D/S DRIVE, 512K RAM, MOUSE, STEREO SOUND, 4096 COLOURS, PORT FOR LIGHT PEN/GUN, UP TO 4Mb EXPANSION POSSIBLE (SIMMS), ABILITY TO USE GENLOCK DEVISES,

Plas... A super bundle just right for Christmas...

INDIANA JONES & THE LAST CRUSADE, IMPOSSIBLE MISSION II, SUPER CYCLE, HUMAN KILLING MACHINE, OUTRUN, DRAGON'S BREATH, BLOOD MONEY AND ANARCHY dlong with FIRST BASIC, STOS, HYPER-PAINT II, MUSIC MAKER II, AND CX40 JOYSTICK!

- **Word Processing Package**
- ST WORD Word Pr ST BASE Database
- ST CALC Spreadsheet

3 1

- rogrammes Ed **NEOCHROME**

ATARI 1040 STE EXTRA PACK
Now you can buy that complete Business Package and...YOU'LL
SAVE MONEY TOO! With the NEW ATARI 1040STE EXTRA PACK
you get a 1040STE and all the following...

- ST GRAPH Business Graphics

- FIRST BASIC S.T.A.C HYPERPAINT PRINCE

Inclusive of VAT, Postage and FREE ST BASIC

### **NEW** PHILIPS CM8833/II Antist

14" COLOUR STEREO MONITOR WITH GREEN SCREEN SWITCH

uccessor to the popular CM8833 the new Mark II version is Successor to the popular Steeker looking than the old model and with Merlin you'll get the exclusive 'Artist' pack. This designer version is colour keyed and includes a kit to apply to YOUR keyboard to match.

Including a Free Atari Lead

PHILIPS CM8833/II (STANDARD)

As above but without that designer touch. ATARI BRANDED MONITORS...

Prices fluctuate all the time for Atari SM124 12" Mono & SC1224 12" Colour Monitors so...

FOR

£159

£205

£255

£289

£139

£219

ED DEALER

£249

WE SAY CHOICE... and we mean it.

Add one or more of our 'SORCERORS PACKS' to extend your choice and SAVE EVEN MORE...Only from MERLIN!

(Only available when you buy an Atari, see notes on individual packs\*)

(C) (H) (I) (D) (E) **SORCERORS PACK 1** Mouse Mat ST Dust Cover Aegablaster Joystick Ten Blank Disks in



ock 'N No. Rick Dangerous, Live and Let Die, Chess Player 2150, Chess Player 150,





FREE with EVERY ST only from MERLIN you'll receive these.. ST BASIC Complete with a

240page manu

HOLIDAY Vouchers & Book for UK Hotels (Ask for details)

**SUPERBASE** 

PERSONAL 2 V3.02 A more comprehensive version with added features, excellent up to date database!

£39.99

# CITIZEN 120D+ 9 Pin Dot Matrix, 120/25cps MONO

CITIZEN 124D 24 Plin Dot Matrix, 120/40cps MONO

PRINTERS (solution) FRE STAR LC 10 Mono 9 Pin Dot Matrix, 120/25cps MONO

9 Pin Dot Matrix, 180/45cps COLOUR STAR LC24/200 Mono 24 Pin Dot Matrix, 200/67cps MONO STAR LC24/200 Colour

24 Pin Dot Matrix, 200/67cps COLOUR

STAR LC200 Colour

CITIZEN SWIFT 9
9 Pin Dot Matrix, 160/40cps MONO/COLOUR £199 MONO VERSION **COLOUR VERSION** £229

**CITIZEN SWIFT 24** 

24 Pin Dot Matrix, 160/53cps MONO/COLOUR £289 £319 MONO VERSION **COLOUR VERSION -**YEAR WARRANTY WITH ALL CITIZEN PRINTERS!

### SECOND DISK DRIVES CUMANA CSA 354i 1Meg. 3.5" Single Internal

**CUMANA CSA 354** 1Meg. 3.5" Single External £79 CUMANA CSA 1000 1Meg. 5.25" Single External £135 ATARI SF 354 1Meg. 5.25" Single External £115

ATARI MEGAFILE | PHONE FOR LATEST PRICES AND HARD DRIVES ADD SOME POWER TO YOUR ST ATARI ACCESSORIES

### **DISK STORAGE BOXES**

80 Capacity MOUSE MATS **DUST COVERS...** 

Star Printers, Philips Monitors SPEEDKING-Autofire

£8.95 £4.95

TEENAGE MUTANT HERO TURTLES F-19 STEALTH FIGHTER

INTERNATIONAL SOCCER CHALLENGE GREMLINS II

MERLINS "SORCERORS SEVEN"

SEVEN OF THE LATEST SOFTWARE RELEASES BROUGHT TO
YOU BY MERLIN EXPRESS AT A PRICE TO BEWITCH...
Please note the titles listed are advertised now based on the release dates issued by software distributors. Each title should be available on or before the sale date of this magazine. We do not, however, accept responsibility for delays in release dates by software houses or distributors.
We strongly recommend you check availability before placing.
We strongly recommend you check availability before placing your order. Faulty software will ONLY be replaced with the same title, NO REFUNDS CAN BE GIVEN.

ROBOCOP II

THER TITLES MAY BE AVAILABLE...ASK FOR DETAILS

ount when purchased with an ST or if buying more than one title...Phone for Details and remember NEW titles are being added all the time

ROBOCOP, GHOSTBUSTERS II, INDIANA

JONES & THE LAST CRUSADE, BATMAN THE MOVIE all in ONE GREAT NEW PACK!

SUPER DEALS ON SUPERBASE

SUPERBASE

**PERSONAL** 

The original Superbase Personal. A brilliant and

easy to use database for your Atari

£19.99

### ALL MERLINS PRICES INCLUDE V.A.T. AND POSTAGE (UK Mainland)

Whilst every effort is made to ensure that the information shown in our advertisement is correct, you should ALWAYS confirm any Offers, Prices, Availability etc. prior to placing your order. We endeavour to supply everything as shown and we will ONLY change anything should it be forced upon us by manufacturers or our suppliers. Because our advertising is booked so far in advance; Merlin therefore reserve the right to aller equipment specifications, withdraw any product/offer or update prices (and that can be either up OR down), without prior notice, PLEASC CHECK DETAILS PRIOR TO ORDERING.

Merlin guarantee NEVER to supply anything that has been subject to change without you, the customer, being informed of, and agreeing to, that change

CRIDERING: Just phone our 24 hour order line using your Access/Visa card, OR, send a cheque/postal order with your requirement details. (Cheques need clearance unless issued by Bank/Building Society for you)

Goods will be despatched by post FREE OF CHARGE to UK Mainland Goods will be despatched by post FHEC up Control on the manufactures of the despatch of the property of the despatch of the property of the despatch of the property of the pr

WILESEAUTY: Goods that prove faulty within 30 days will be exchanged for NEW. After 30 days, and within 12 months from purchase (6 Months for software), faults will be rectified by the relevant manufacturers' repair agent and returned to you by courier 'Sorcerors Seven' s/w will ONLY be exchanged for the SAME TITLE; no refunds can be granted (...due to piracy of s/ware by a minority who spoil things for everyone)



DEPTSTU/T9, UNIT C7, THE ROPEWALK INDUSTRIAL CENTRE, STATION ROAD, ILKESTON, DERBYSHIRE. DE7 5HX TELEPHONE: 0602 441442 FAX: 0602 440141

UNTIL CHRISTMAS: OPEN SAT & SUN (Phone for times)...THAT'S THE MAGIC OF MERLIN!

# NEWS... PREVIEWS... GOSSIP... SCREENSHOTS... NEWS... PREVIEWS... GOSS

(A) NINJA REMIX

Soon to be released from System 3 is the eagerly awaited Ninja Remix, sequel to The Last Ninja. The action takes place on the island of Lin Fen where you are out to avenge your brother's assassins.

The island is made up of six areas ranging from the wastelands to the palace, and each is full mysteries and dangers. You'll need all your skills as a Ninja warrior if you are to outwit the evil Shogun Kunitoki's men. If you are successful you will go on to face the Shogun himself. This System 3 game is definitely one to put on your Christmas list.

### BAT

Coming out soon from the French Software house UBI Soft, is BAT - a futuristic adventure game. The thing to watch for in this release, apart from the well-drawn scenes, is the sound that is produced. On buying the game there will be the option of purchasing a little black sound box. If you do, plug it into the port on the left-hand side of the machine and you will be rewarded with true stereo sound coming through your headphones. Although it will cost between five and ten pounds more, this gadget will be compatible with future releases from this company.

### (B) FUTURA

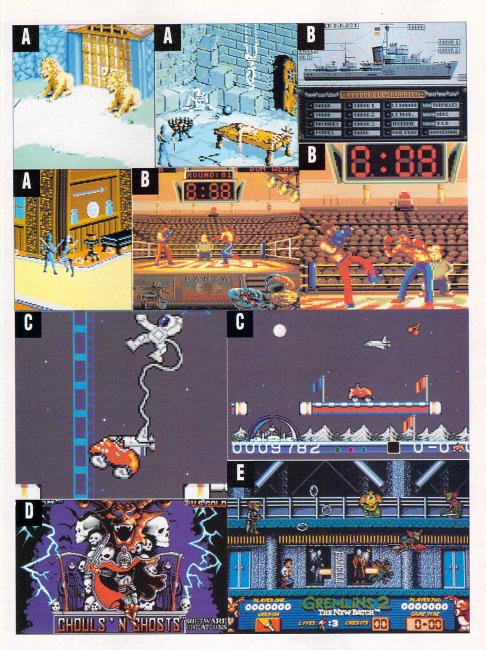
Loriciel have created a new and exciting label – Futura. Up until now, all Loriciel's releases, both action/adventure and their in-depth simulations have appeared under the one name. Because Loriciel felt that it was no longer practicable to market them together and also due to the amount of 'sim' releases in the pipeline, it seemed only pertinent to give this side of things the recognition it deserved and group the 'sims' under the one label. The first two games to display the new name will be – Advance Destroyer Simulator and Panza Kick Boxing.

Advance Destroyer Simulator is a Second World War naval warfare simulation, where you are in command of a battleship. On your journey around the Mediterranean, North Sea and English Channel you will have to overcome enemy forces who are out to destroy you ship.

Panza Kick Boxing has had two years of development before finally making it to disk. This time has been spent analysing real kick-boxers' movements in an effort to add realism to the fighting scenes. The game incorporates a VCR mode, with which you can record and replay your fights. You are thereby able to learn from previous mistakes and thus improve your technique. These games will be available in January 1991.

### (C) CAR-VUP

Fast on the trail of Rick II comes another 'cute 'n cuddly caper' from CORE, those boys in Derby. Their latest offering has been given the title



of Car-vup and with a name like this you anticipate it to be about racing or a car chase. Well, it's nothing of the kind. Instead it's a bright and lighthearted, 48-level platform game, which uses an animated 'Noddy Car' as the main hero.

Aided by numerous power-ups, you have to make the world a happier place by reversing the evil doings of the dastardly Captain Grim. Car-vup made an appearance at the recent Earls Court show and looked quite appealing. Due for release before the start of the Yuletide celebrations, it will cost £24.99.

### (D) PLATINUM BOX-SET

Another compilation of recently released software, offering fantastic value to us pundits, is to be found in the Platinum box-set. Platformgames lovers will be drooling at the mouth and raring to get their hands on such classics as **Strider**, **Ghouls 'n Ghosts**, **Black Tiger** and **Forgotten Worlds**.

All these games received rave reviews from the media – in some cases a rating of more than 90 per cent was given. If you missed out on these brilliant games first time around, then put it down on your letter to Santa and, who knows, you might find your oversized stocking has a rather strange square look about it.

### (E) GREMLINS 2

Those furry and mischievous little creatures, the Gremlins, are back. Even now they are patiently waiting to be released from their boxes – which are currently lying on your local software shop's shelves – so that they can once again create havoc in our unsuspecting society. It

NEWS... PREVIEWS... GOSSIP... SCREENSHOTS... NEWS... PREVIEWS... GOS

# IP... SCREENSHOTS... NEWS... PREVIEWS... GOSSIP... SCREENSHOTS...NEWS..

will cost you around about twenty pounds if you wish to add these furballs to your collection of pets, but remember, whatever you do, never, never feed them after midnight.

Someone foolishly ignored this advice in our office, and now we are paying the price because our copy of Gremlins 2 – 'The New Batch' categorically refuses to load. A quick phone call to Elite resulted in a promise to send somebody round to catch the little rodents and bring tranquility back to our heavily burdened memory banks.

### **ORIENTAL GAMES**

Waiting to do battle with you in the sacred dojo are the competitors of the Oriental Games. Micro-Style throw you into the highly-skilful world of martial arts.

The Oriental Games comprise three events: Kendo, in which you try to beat each other with sticks, Kung-Fu, which you should all know about thanks to the films of the late Bruce Lee, and Kyo-Kus-Hin-Kai, another deadly combat sport which has nearly been banned on several occasions, because it's considered too violent.

Oriental Games allows up to 16 players to compete against each other in a challenge to see who is the greatest all-round athlete. Those who are new to this sport, are able to cut their teeth with less formidable opponents, by being able to dictate the abilities and skill level of those they will meet in combat.

### (F) USS JOHN YOUNG

Released on the Magic Bytes label comes another Naval Warship Simulation under the title USS John Young. The date is 1995 with the action taking place in the Persian Gulf. As the situation escalates, America puts all its forces on red alert.

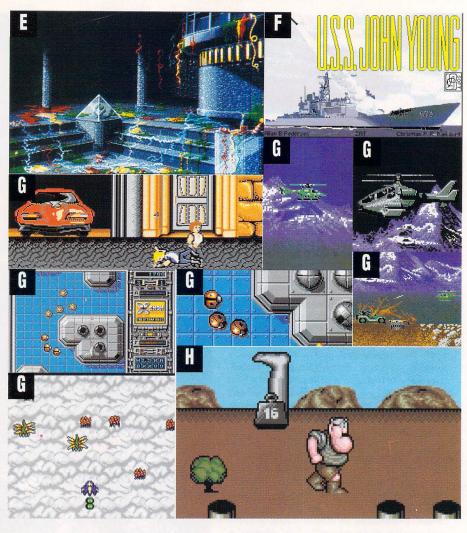
As captain of the ship, you have to give safe passage to convoys, seek out and destroy submarines, (preferably not your own) blow up oil rigs and repel enemy air attacks. USS John Young is currently on sale and just waiting to pipe you aboard.

### **ACTION 16**

Watch out for four more re-releases from Digital Integration's budget arm. The four titles are **Maya, Cosmic Pirates, Rotor and Hostages.** All these have been on release within the last 18 months and received excellent reviews. Action 16 is a new label and the emphasis here is placed on quality over quantity – and quite rightly so!

### THE ULTIMATE RIDE

It's a strange old world! We refer to the fact that there always seems to be a conglomerate of similar games hitting the market-place at roughly the same time. In this case, scream-



ing along in direct competition to Gremlin Software's Team Suzuki, is Mindscape's latest motorcycling offering, The Ultimate Ride.

The racing takes you on a tour of the world's Grand Prix circuits. You will have to out-ride the strong opposition either in the form of computer-driven competitors, or if you prefer you can play against your friends, using the two-player option. The Ultimate Ride will be priced at £24.99 and should be released soon.

### (G) VIRGIN MASTERTRONIC

In time for Christmas, Virgin Mastertronic have released two of their games at budget prices:

**Double Dragon**, the highly successful coin-op, was released at the end of November at the great low price of  $\mathfrak{L}7.99$ . If you missed this one the first time around it's a must for your stocking (a certain member of the 'USER team, who shall remain nameless – Garry – has become addicted to this particular game.) You battle against a vicious street gang whose leader is the infamous Shadow Boss – it is your ultimate goal in this beat 'em up to defeat this villain. But it's not easy work.

The second game which has been released

before Santa arrives is **Silkworm**. Again a great coin-op conversion, but this time the action is in the form of helicopter and jeep chases. It's an action-packed game which is definitely worth the £7.99 asking price.

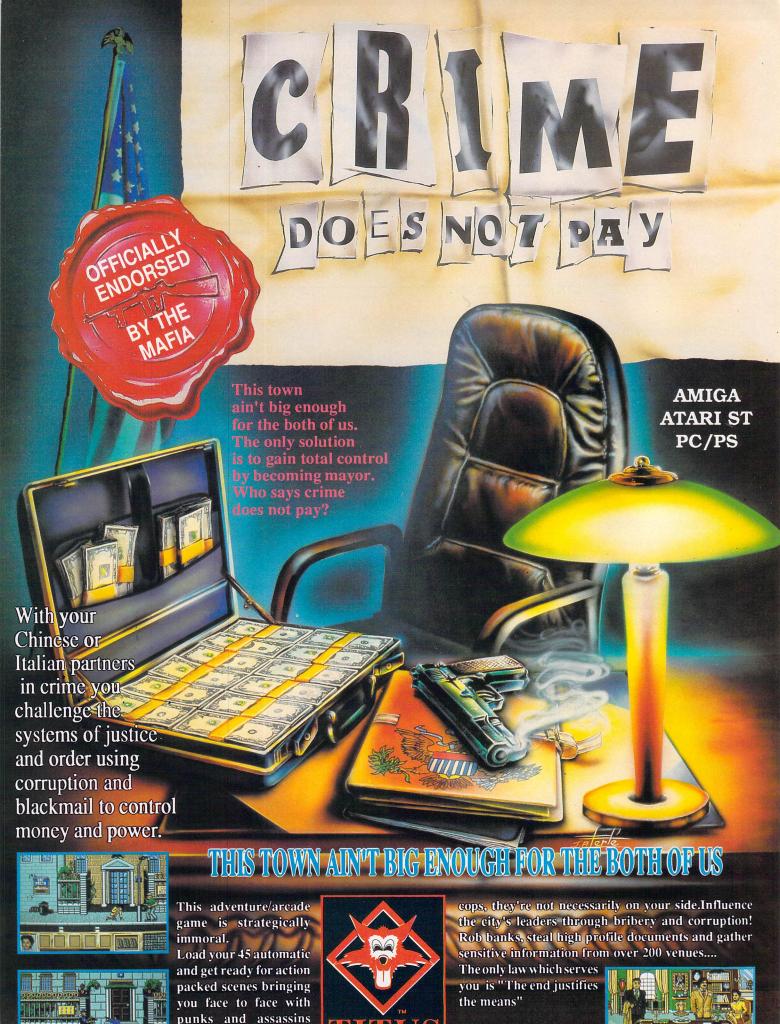
You won't have to worry about what to spend your Christmas money from Grandma on, because early in January another two games will be re-released. **Xenon**, which was the first monster smash from the Bitmap Brothers and given the accolade '16-bit C&VG Game of the Month', will be on sale for £7.99. Shoot 'em up action with great graphics and sound result in exciting gameplay.

The second January budget-release is **Gemini Wing**, yet another coin-op converison. This time the action involves organic mutants – interested? Well, you'll have to wait a while longer to blast 'em away.

### (H) AAAARGH!

In October's 'USER we credited US Gold with the creation of Monty Python's Flying Circus. OK we blew it. Virgin Mastertronic is the software house which created the game. So please stop phoning up the wrong software house if you want more information on this game.

P... SCREENSHOTS... NEWS... PREVIEWS... GOSSIP... SCREENSHOTS...NEWS...



WHO SAYS CRIME

**DOES NOT PAY?** 

BASILDON ESSEX SS 15 6DJ - Phone: (0268) 541126

**©TITUS 1990** 

Unit 4 Stannetts Laindon North Trade Centre .

from the opposing clan.

But watch out for the





12 Months On Site Warranty, featuring 24 hour response time is available as an option on all ST's for just £29.99 extra.

### Please Read: Terms of Sale.

We are the longest established Atari dealer in the U.K. We have developed an extensive customer service policy which means that we test all Hardware/Software prior to despatch to ensure that goods arrive in working order Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup. This isn't just our opinion, we were voted "Best Dealer 1989" by the readers of ST World magazine, not for "the number of boxes shifted", but for quality service.

On Site Warranty: We have recently changed our backup programme by offering 12 months on site warranty as an extra with all ST's therefore giving the customer a wider range of options. We already offer on site warranty on all Star printers and Philips monitors listed at no extra charge.

All prices are correct at copy date 12/11/90, and are subject to change without prior notice. All prices are accurate while stocks last. Phone for up to date prices. All prices include VAT, there are no hidden extras (WYSIWYG). Delivery (in Mainland U.K) is free, on orders over £100 (add £10 for next day courier delivery. All prices available on Mail Order Shop prices may differ

# Packs

520STFM Discovery Pack	£279.99
520STE Power Pack while stocks last	£369.99
520STE Turbo Pack	£369.99
1Mb STE Turbo Pack	£399.99
2Mb STE Turbo Pack	£479.99
4Mb STE Turbo Pack	£579.99
These prices do not include on site war	ranty

A500 Batman Pack	£369.99
A500 Flight of Fantasy	£369.99
A500 Screen Gems	£369.99
Any of above + Tenstar + joystick + mouse mat	£399.99

Our Engineers can repair ST's and Amiga's in minimum time at competetive rates. We also offer a diagnostic service for which the customer is given a quote for the total cost of repairing the machine.

ROM switch + TOS 1.4 £49.99

This switch allows two sets of ST ROM's to be fitted to an ST and switched between to ensure compatability with all software. Machines must have TOS 109 in two ROM form. If six sockets are fitted, no soldering is required. TOS 14 (2 ROM's) and two extra sockets are supplied.

### Exchange ST PSU's £59.99

We can offer fully compatible PSUs for ST's at this price in exchange for the damaged PSU. Our engineers can fit any STFM memory upgrades for £20. We can also fit SIMM's, TOS, Bitter chips, PSU's for just £10. Phone for details.

Star LC24-200

## stale

### Star LC-200 £219.99 7 Colour prin

Colour + mono ribbon supplied 225 cps 5 Resident NLQ fonts **Bottom feed** Push or pull tractor feed Paper parking

(Y) or Star LC24-200 7 Colour Star Laser 8DB, 2Mb RAM Star LC-10 Star LC-10 Mk II Citizen 120D+

£249.99 24 Pin printer 222 cps 5 Resident LQ fonts Accepts font cartridges **Bottom feed** Push or pull tractor feed

> £319.99 £1899.99 F169.99 £189.99 £139.99

s colour upgrade **Bottom feed** Push or pull tractor feed 41 O fonts Paper parking Accepts font cartridges

Citizen Swift

£319.99

24 pin printe

192 cps

£149.99

All Star Printers carry 12 months on site warranty(Mainland UK). All printers include IBM Centronics cable. Phone for ribbons, paper and printer stands. 64K buffer 3 input switch £79.99 256K buffer 3 input switch

Atari SM124 Hi-res Mono monitor 109.99 Philips 8833 MK II Colour, Stereo monitor 249.99 Cmdr 1084S Colour monitor \* limited offer \* £ 269.99 Philips 15" FST TV 269.99 Philips 8833 + Tv tuner 299.99

The philips 15" FST Tv includes remote control, Scart input, 60 tuner presets, sleep timer and Fastext. All displays include Scart cable. Deduct £10 from Monitors only, if bought with computer. The Philips 8833 comes with full 12 months on site warranty.

# rust PC's

AT 12Mhz Desktop	£449.99
AT 12Mhz VGA Mini tower 40Mb	£689.99
AT 16Mhz Desktop	£449.99
AT 16Mhz VGA Mini tower 40Mb	£739.99
386SX Mini tower	£629.99
386SX VGA Big tower CK66 40Mb	£889.99
386SX-20 VGÅ Mini tower 40Mb	£969.99
386-25 VGA Mini tower	£1029.99
386-25 VGA Big tower CK66 40Mb	£1299.99
386-33 VGA Big tower CK590 40Mb	£1429.99
486-25 VGA Big tower CK590 210Mb	£3529.99
Mono Monitor	£99.99
VGA Colour Monitor	£299.99
DC Emulatora	

PC Emulators

PC Speed, XT Emulator £99.99 AT Speed, AT Emulator ATOnce, AT Emulator £199.99 £199.99

# Midistudio N

- 100 tracks storage, 20 tracks playing simultaneously.
- 240 ppg resolution.
- Realtime mix-down via mouse,
- Realtime scrolling arrange window.
- 11 levels of quantise, including humanise.
- □ Pipeline/Module system.
- ☐ Loop record.
- Midi soft keys.

Master £129.99

■ Works on 1040STF(M)(E)

Midistudio £49.99

Midistudio is a 20 track sequencer which can operate on a 520STFM(E), in medium res. Midistudio is an easy to use, low cost introduction to Midi music composition.

Now you can use your ST to send faxes. Uses a fully featured modem so you can also access Bulletin boards and commercial communication systems.

- Fully Hayes compatible modem
- O Auto dial/ Auto answer
- 300/1200/2400 Baud
- Mix text and graphics. Cannot receive faxes.

We are the U.K Distributor of the Lantech Network

- Uses Cartridge port.
- 10 Megabit per second data transfer rate.
- Up to 200ft between ST's.
- Any computer can be configured as a server to share, Hard, Floppy, RAM disks and Centronics printer.

server and £374.99

Lantech £179.99

# Kawai Fun Lab Music System



### Amiga MIDI interface

1x MIDI IN 2x MIDI OUT

Colour matched to Amiga

### **Keyboard FS680**

- 61 Full sized keys
- 100 preset sounds
- 16 bit PCM quality
- 100 preset rythms
- 32400 sound combinations
- ONE-FINGER AD-LIB
- 2x Stereo speakers
- Effects: Chorus, Sustain, Pitch up/down
- 2x MIDI cables

### **Amiga Software**

- 5 Track sequencer
- 5 channel mixer
- Quantization
- Left/right locator
- Auto loop
- Graphic notation
- Lyrics(KARAOKE)
- Registration page
- Synthesizer editor

Funlab Music System for Amiga including: MIDI Interface, FS680 Keyboard, Midi cables and software.

## For Amiga £330

Kawai Music system for ST including FS680 keyboard, MIDI cables and Midistudio sequencer software.

### For ST £330

Fundab Junior is available for the Amiga priced £230. Phone for details.

### We use only top quality, brand new, CDC or Quantum mechanisms. Not reconditioned mechanisms.

- Autoparking 3.5" mechanisms.
- Extra long DMA.
- Full metal case suitable as monitor stand.
- On/off button and DMA device selector
- mounted on front. Integral PSU.
- DMA Out port for daisy chaining.
- Megadrive controller, low power, controls up to 8 SCSI drives

42HD - 42Mb 11ms access time

84HD - 84Mb 24ms access time

111HD - 111Mb 15ms access time

48HD/28 - 48Mb 28ms access time

211HD - 211Mb 15ms access time

Compatible with emulators such as Spectre GCR, AT Once.

Up to 14 GEM partitions (255 with TOS 1.4), up to 1 Gigabyte in size.

Selection of Accessories/boot partition with boot editor.

Backup & utility software provided.

Frices

Only £ 479.99 Only £ 399.99

Only £ 579.99 Only £ 699.99

Only £ 1099.99

Phone for other capacities

# scannel

- 200 Dpi scanner.
- 16 grey scales or Black/White mode.
- High quality thermal image printer.
- Acts as photocopier.
- Works with ST, Amiga, PC, requires 1Mb RAM.
- Amiga version includes Photon Paint II.
  - Comes complete with software, cable, thermal paper. Thermal paper available ex-stock at £7.99 per roll.

£449.99 PC version + board

£479.99

IMG scanner £49,99

The IMG scanner is a device for scanning photocopied material at horizontal resolutions of up to 1000 Dpi on an ST, when used in conjunction with an Epson compatible printer.

CSA 354: ST 3.5" drive.

CAX 354: Amiga 3.5" drive.

ST Internal drive upgrade.

£69.99 £64.99

£64.99

The Cumana, ST internal drive requires the ST's case to be modified (full instructions supplied). The external ST drive is a high quality, slim, quiet drive which comes complete with integral power supply and so does not draw power from the ST which could cause problems. Add  $£3\,P\&P$  for drives.

### How to Pay



You can phone your Access or Visa card details or send a cheque/postal orders made payable to Ladbroke Computing International. Please allow sufficient clearance time for cheques.



33 Ormskirk Road, Preston, Lancashire, PR1 2QP Open Monday to Saturday 9:00am to 5:00pm. Dealer enquiries welcome. Ladbroke Computing International is a trading name of Walton Marketing Limited. All trade marks recognised.

# ograces

### Amiga boards

Includes Enable/Disable switch

512K upgrade board £34.99

512K board with clock £39.99

### STE SIMM's

512K SIMM's upgrade £39.99 2Mb SIMM's upgrade £119.99

4Mb SIMM's upgrade £239.99

Spectre GCR

With 128K ROM's

512K STFM 16 or 4 chio kit. £ 39.99 512K ST board+chips, kit. £ 59.99 2Mb ST board+chips, kit 3 159.99 4Mb ST boards+chips, fitted € 344.99 TOS 1.4 kit (6 ROM's) £ 39.99 STFM Blitter chip, kit £ 39.99

se check configuration of your machine with our staff before ordering. Prices quoted for machines not previously tampered with. All upgrades carry 90 days parts and labour guarantee. Please add £150 P&P for upgrades priced under £100.

# Spectre GCR

"Power of the Mac, without the price."

- Reads, writes and formats Mac disks.
- Supports Hard drive and second floppy.
- Compatible with STE, Stacy.
- 30% bigger screen area than Mac Plus.
  - Runs 20% faster than Mac Plus.
- Software upgrades available.
- Send SAE for Spec' sheet.

We are the consistently longest serving supplier

		Bulk S	CONTRACTOR (CO.)	ny Brand			
Qty	9-3-1	<u>Loose</u>		Boxe	Boxed in 10's		
10	£	5.99	£	6.9	9 Includes x10 Ryford black plastic box	£	9.49
40	£	20.99	£	26.9	9 Includes x40 Lockable, disc box	£	34.99
100	£	48.99	£	57.9	9 Includes x100 Lockable, disc box	£	84.99
150	£	66.99	£	83.9	9 Includes x150 Posso Stackable disc box	£	125.99

All bulk disks are top quality Sony or Kao, not cheap seconds. All disks carry an unconditional lifetime guarantee. Please add 75p P&P for each 10 disks.

adbroke **Omputing** International



(0772) 203166 Fax 561071

# The Spy Who DOMARK £24.95 LOVED ME





Having collected sufficient 'Q' tokens, you locate the inventor's truck. Lining yourself up, you prepare to drive into it



Once you've evaded the attacks of Stromberg's divers, you come face to face with a more powerful adversary – somehow, it's just not cricket



Hidden within the bowels of a huge oil tanker are the two missing subs. Can James make it to the computer room and save the Earth?

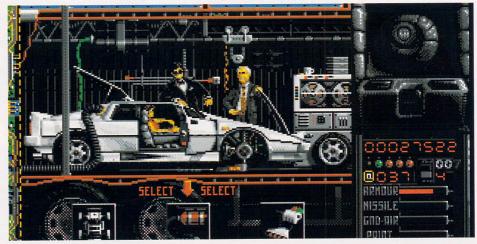
ather than opt for the latest James Bond licence, Domark have decided to recreate one of 007's earlier escapades. Global pandemonium breaks out when both an American and a Soviet nuclear submarine disappear. Who can be behind this terrifying global take-over bid? No one knows for sure, but the British Secret Service are on the case and, being a top priority situation, they've assigned their most famous agent to the project, James Bond, 007 – licenced to kill.

The brains behind the 'kidnapping' of the two nuclear subs is none other than the wealthy industrialist, Karl Stromberg. It seems that Mr Stromberg wants to create a better world and is prepared to go to drastic lengths to achieve his aims. From his undersea fortress of Atlantis, he has sent an ultimatum to the world's two superpowers. Either they pay him the equivalent of Brazil's national debt or he'll nuke Hollywood and Red Square; it's hardly cricket.

Naturally, Bond (who, incidentally was played by Roger Moore this time around) is deployed to put pay to the meddlesome maniac's preposterous plan. En route he teams up with the KGB's ace agent, Agnea (played in the film by Ringo Starr's wife Barbara Bach), and together they set out to reclaim the stolen subs.

Of course, Stromberg is none too pleased at their intervention and decides that if his plan is going to suceed, it might be best if both 007 and his friend take a long vacation in a lead-lined box.

The game begins in the traditional fashion with Bond walking within the confines of a gun barrel. Turning quickly 007 shoots his would-be assassin and blood begins to roll down the screen. What is slightly different is the theme tune. Domark have restyled and revamped the original catchy James Bond/Dr No theme to



Q's inventions include all manner of useful devices such as ground-to-air missiles and smoke screens. However, the most ingenious addition you may buy is the ability to change your car into a minisub – particularly useful if the end of a jetty is coming towards you at a terrifying speed.

create their own, special house-mix version – lan Fleming would be turning in his grave!

Racing through the winding roads of Sardinia (spy-hunter style), Bond is attacked from all angles. Using his finest driving skills he manages to elude capture before his Lotus Esprit transforms into a speed boat and the chase continues over water.

En route Bond may collect numerous 'Q' tokens. These may be exchanged for vehicle enhancements such as paint sprays and smoke screens. Q's creative mind has thought of an even greater option – the ability to change your Lotus from a racey sports car into a highly manoeuvrable minisub. This latter metamorphosis proves vital when during one of the many chases you drive headlong off a nearby

jetty into water which is hundreds of feet deep.

Piloting his subaquatic Lotus beneath the waves, Bond soon encounters Stromberg's deadly school of diabolical divers. On their own these fellows prove no more than a minor nuisance, and so 007 finally begins to make progress. He soon however, comes face to face with more deadly adversaries in the shape of powerful minisubs.

As if this weren't enough, a huge laser-spitting submarine emerges mid-way through the level to really test Bond's mettle. Naturally, our hero must defeat all these enemies before he can continue his mission. Before long, the redesigned Lotus makes contact with the underwater city of Atlantis Mk2. Lining up the base in his sights, 007 prepares to settle the



Having been forced to take a left turn, you head straight for the sea. Luckily your Lotus turns into a minisub as it drops into the depths



Stomberg, realising that the end is nigh, takes your lovely assistant hostage – you'd better be very careful who you shoot!



Once inside the underwater base, Bond finds himself facing the huge, metal-toothed Jaws! Here's one encounter James could do without. But he must overcome this silver-toothed monster before he can continue with his mission and save millions of lives in both Russia and the USA



Racing along the Sardinian coastline, you are attacked by a rather vicious helicopter. Let's hope you stocked up on ground-to-air missiles



Steering through the cluttered waterways, you try desperately to shake off the deadly advances of one of Stromberg's speedboats



Having made it to the computer terminal you must quickly crack the code, thus causing the two missiles to collide harmlessly in space. Concentration and logical thinking are vitally important – if Bond fails he's not going to be very popular back at HQ ...

score with the evil Stromberg before the next level of the game can commence.

So the action continues, with Stromberg throwing everything he has at his disposal in the path of the relentless Bond. The chase takes place on land and sea (using both a boat and a jet ski) and under the ocean waves.

Eventually, if 007 is worth the tax-payer's money, he discovers the location of the subs, hidden within the bowels of a huge oil tanker. Naturally, Stromberg has already set the course of the two nuclear missiles and so initiates the computer countdown as soon as Bond's infiltration is discovered in order to foil this attempt to defeat him. 007 therefore, has only a limited time in which he must either

stop or reprogram Stromberg's deadly device.

The quickest route to the computer is via a satellite globe suspended from the ceiling. Having seen Bond clamber aboard the makeshift cable car, his Soviet counterpart must attempt to shoot any would-be attacker caught sneaking up on him. Should Bond make it to the computer, a mastermind-style game ensues until he finally cracks the code causing the two missiles to collide harmlessly in outer space.

As he is leaving the computer room, Bond sees Stromberg running away. Following in hot pursuit, our hero skids around a corner only to find that the arch-villain is taking his accomplice hostage. Having battled it out with Bond, Stromberg flees the scene, leaving

GRAPHICS	86%
Sound	89%
GAMEPLAY	88%
OVERALL	88%
REVIEWER	NICK

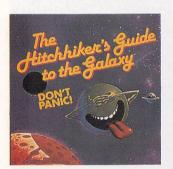
007 to deal with his mighty henchman, Jaws.
The Spy Who Loved Me is an excellent game with a variety of different styles of play.
The overall presentation is first class.

# Nick never got any chicks, until he bought those Infocom from Mastertronic games



# NOW THE ONLY LIMIT IS YOUR IMAGINATION

Classic Infocom Interactive fiction is back - at an irresistible price.



## HITCHHIKERS GUIDE TO THE GALAXY -

You play the role of hapless Arthur Dent in this mind-bogglingly hilarious story by the best-selling author Douglas Adams. You'll chortle while your planet is demolished, yelp with laughter when threatened by the Ravenous Bugblatter Beast of Traal and split your sides as you search the galaxy for a decent cup of tea.

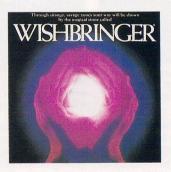


This phenomenally popular story plunges you into the extraordinary environs of the Great Underground Empire in search of incomparable treasures. You'll come face to face with outlandish creatures as you make an amazing odyssey with so many twists it can offer new surprises every time you explore it.



### PLANETFALL .

In this sci-fi comedy, you're a stellar Patrol Ensign 7th class - as low as you can go. Then your luck takes a turn for the better. Your patrol ship explodes. True, the mysterious, deserted world to which you're jettisoned is plagued by floods, pestilence and a mutant Wild Kingdom, but you'll have Floyd, a mischievous robot, to help you find the secret to saving it.



### WISHBRINGER -

You begin as an ordinary mail clerk delivering a mysterious random note and end up - magic stone in hand - embarking on a remarkable series of whimsical adventures. You'll need all the wishes that the stone will grant you, because your final destination is somewhere beyond your wildest dreams.



## LEATHER GODDESES OF PHOBOS -

You've been kidnapped by minions of the fiendish Leather Goddesses of Phobos who are plotting to turn the earth into their private pleasure palace. Succeed in escaping their clutches and you'll begin a naughty, bawdy and very amusing romp across the solar systerm. Your mission is to collect the materials you'll need to defeat the Leather Goddess and save humanity from their dastardly plan.

# AVAILABLE on PC, Amiga & ST

For Further Information please contact:

**CUSTOMER SERVICES** VIRGIN MASTERTRONIC LTD 16 PORTLAND ROAD LONDON W11 2LA TEL: 071-727-8070



® Virgin Mastertronic Ltd 1990 © Activision 1990

# Voodoo Nightmare



PALACE £24.99



If you go down in the woods today, you're sure of a big surprise. The size of the spiders down there is enough to frighten anyone

hen Boots Barkert woke up he could never have imagined the trials he would have to endure before it was time to go back to bed. He strolled across to the hot-air balloon, where both his wife and best-friend were waiting. He was about to see more of the world than he had bargained for.

As the balloon rose over the dense forest vegetation and drifted lightly in the breeze, a quick push from his so-called pal confirmed Boots' suspicions that his wife had not been totally faithful. Luckily, Boots had the good fortune to be wearing a parachute and, while the canopy opened to slow his decent, he vowed revenge on the two people left in the balloon.

Hitting the ground hard Boots drifted into a state of unconsciousness. Hours later he came round, but he immediately became aware of a rather large multi-coloured Voodoo-mask firmly attached to his head. He hadn't got a clue where it came from, and try as he might, there was no way that he could remove it. So for the time being, he would have to live with it. On the top of his list of priorities was finding a way out of his predicament.

As Boots, you have to survey and inspect the surrounding forest environment. Within it lie five secret and forbidding temples, which you will have to explore in order to solve the mystery of the mask. Boots will need to unearth eight pins before he can get back to civilisation – and the divorce courts.

In the beginning Boots is unarmed, yet he will have to deal with a variety of unfriendly and potentially deadly insects and creatures. The only way he is able to get rid of these nasties is to squash them by jumping on them. If





Oooh, look at all those lovely gems! A diamond is a girl's best friend and with Boots getting richer by the minute, he's going to be very popular when he gets home. The important thing now is to collect as many of those gems as possible in order to get out of this nightmare



The huge mask which is firmly attached to Boots' face proves to be a real problem. Will he manage to come out unscathed when he faces the birds which are out to sabotage his adventure? Well, before he can continue his journey he'll have to face up to them











however, these bugs avoid your natty footshuffling and attack you, some of your very precious energy will be sapped.

Exploring the temples will bring you immediate wealth, along with the answers to your questions. Deep within their dank stone walls lie hundreds of gems just waiting to be picked up. By collecting them all (and you need to find out how to open the secret doors which they hide behind), you will be rewarded with a pin and a special magical power by the giant guardian of the temple. You will then be allowed to leave.

Tackling the variety of different animals which stalk the depths of each temple can be made easier if you can find Romero, a rather unsightly shop-owner. In return for some of your gems, he will give you power-ups. If you can get your hands on weapons such as machetes, grab them fast, because these prove to be useful additions to your armoury when you delve deeper into the mysteries of the game.

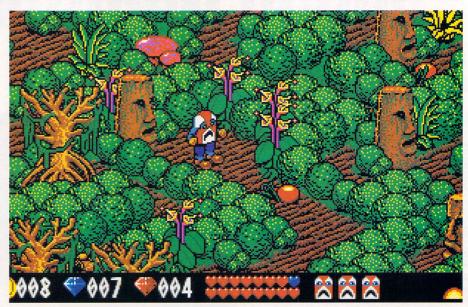
Acquiring the wealth needed to purchase necessary items can take a long time, so for those of you made of racier stuff, a visit to the local jungle Casino might be a good idea. Here, if lady luck is on your side, immeasurable amounts of cash could be yours on the turn of a card.

Eventually, if things go according to plan, you will meet up with the unpleasant witch-doctor. He is a pepetrator of evil deeds, and is your ultimate adversary. Defeat him and it's time to go home, with the sweet taste of revenge, and victory, to satisfy you.

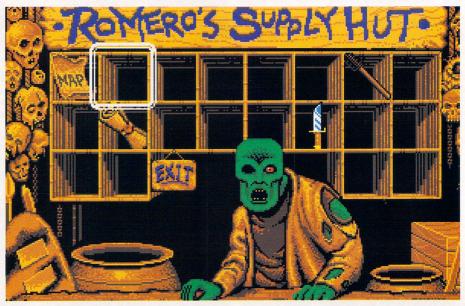
Voodoo Nightmare is yet another game to make use of the now fashionable perspective viewswhich are also seen in Cadaver and Final Battle. The graphics are bright and well animated which gives a nice, balanced feel to the whole game.

The problems you come across are not really difficult, but because the game area is so big, it's easy to become disorientated. The answer to this is to map your progress, thus waylaying your frustrations for a while at least. The whole game is fresh, appealing and well designed. The 'save position' mode encourages you to keep coming back and trying to get that little bit further into the story.

Buying Voodoo Nightmare is guaranteed to turn you into an insomniac.



More exploring for Boots, as he tries to find his way through the maze of trees which are hindering him in his search for the temples. The area is crawling with millions of insects and other rather undesirable creatures which he must avoid – if he doesn't, he's likely to lose lots of his energy



Welcome to Romero's. In normal circumstances, Boots wouldn't dream of trading with such a strange creature, however at the moment he doesn't have a choice. The witch-doctor obviously made a big mistake – Boots' mask would have been better suited to covering this disgusting face



Some of the items which you'll find useful if you are going to reach your goal. Hopefully, enough gems will have been collected in the temples to allow you to buy all you need. If not, you'll have to choose carefully



Yet another temple to explore. What dangerous creatures will you discover in the shadows? The real problem lies in trying to find a way to open the secret doors which are carefully hidden in the walls

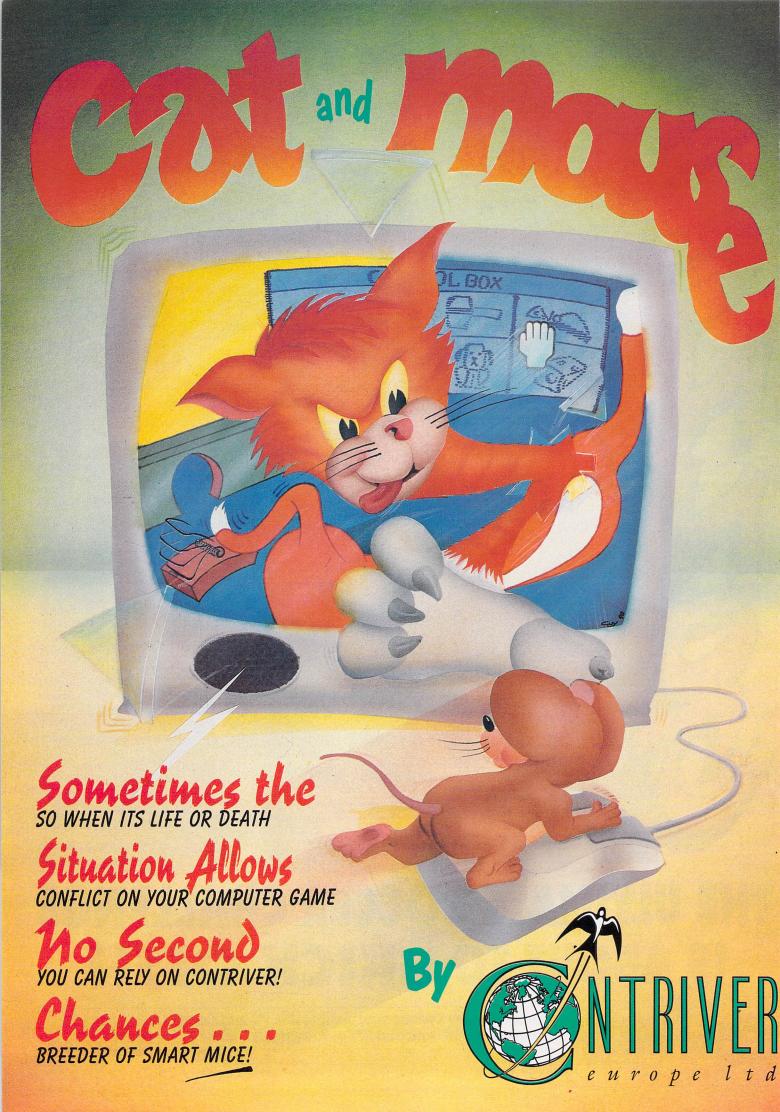


# THE ULTIMATE SOCCER CHALLENGE IS ABOUT TO ...KICK OFF!!



AVAILABLE ON: Commodore Amiga, IBM PC and Compatibles, Atari ST, Commodore 64, Amstrad CPC+, Amstrad GX 4000 & Spectrum

EMPIRE SOFTWARE, 4 The Stannets, Laindon North Trade Centre, Basildon, Essex SS15 6DJ. Tel. 0268 541126



# DOTTING OCEAN £19.99





You plot the downfall of your fellow 'Pacman'. Every time you make more than one block disappear, it will magically reappear on his side

f you want to feel infuriated, elated, puzzled and satisfied at the same time, then put aside a few quiet hours, turn on your computer and load Plotting. Hot on the trail of Pick 'n' Pile comes yet another addictive brain-teaser. This split-screened, two-player optioned puzzler is guaranteed to give you many sleepless nights.

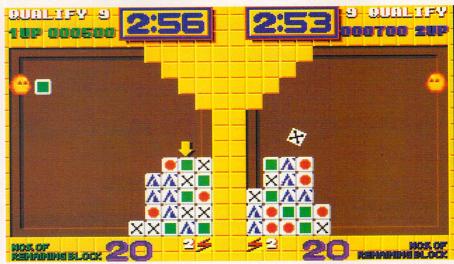
Although the game's theme is not a new one and has shown its face in a variety of guises, from Klax to Arkanoid, this bat-and-ball-make-things-disappear routine still keeps gamers enthralled and baffled for hours on end.

Playing a character akin to Pacman, your aim is to reduce the size of the pile of multi-symbolled dice piled up in the corner of the room. The only way to do this is by spitting the die you are carrying in your mouth onto the pile, trying to hit a die showing the same symbol. When you do this, the die you have just hit disappears. As this happens, the block immediately next to the one you have just hit will be thrown out of the group and back into the mouth of your character.

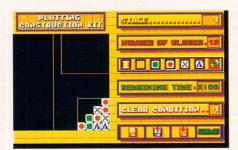
There are two points of attack either firing your die straight across, or – and this is where your brain starts to hurt – ricocheting it off the stepped roof and into the pack from above. Working out which method is best is only the start of your problems. If you get it right then you will eventually reduce the number of dice down to a computer-set target.

Then it's on to the next, harder level. If however, you calculated the moves wrongly, you'll find that you are unable to get rid of the block you're carrying as there is nothing to match it up against. It seems easy doesn't it? Later though, you might find yourself sitting totally frustrated in front of your monitor, with most of your hair in clumps on the floor at your feet.

This might be a good time to relax a while and create your own scenarios. By using the



It all seems very easy first of all, but it's guaranteed that you'll be driven to distraction before long. What at first seemed like a nice relaxing game, is in fact a game which is out to increase your stress level. Remember, more practice is needed to work out the best tactics



In the one-player option, the idea is to spit the die from your mouth onto the pile, hopefully hitting a die of the same colour

option which allows you to create your own set-ups, you can develop the game to such an extent that you become your own worst enemy. By saving your Frankenstein creations to disk you are able to play them later, or use them in a challenge against your friends.

The programmers of Plotting had the wisdom to include a two-player option. This becomes an exciting yet annoying challenge, which can at times drive you to distraction. The game is the same as the one-player option, but if you are able to make more than one block disappear in one hit, they will re-appear on your opponent's side. This is good news when you are the one doing the damage, but it's really annoying if you are the recipient.

There is only one way to sum up Plotting, and that is, totally addictive. There will be





It's time to celebrate as your opponent bites the dust. Obviously the right tactics were used this time, so try to remember them

times when you wish the disk drive would chew up the game and spit it out, and others where certain four letter words will be muttered. But unless you have an iron will and superhuman self-control it's odds-on you'll be back playing it before long.



2 William Clowes Street Burslem Stoke-on-Trent ST6 3AP Tel: 0782 575043

All orders under £6 require 75p towards P&P. Over £6 P&P is free. Any game not released will be sent on day of release

	ST LEISURE	SOFTWARE	
Chase HQ 217.99	Captain Fiz2.99	Tournament Golf17.99	Scrambled Spirits6.99
Teenage Hero Turtles17.99	First Contact5.99	Fire Ball17.99	Fighting Soccer4.99
M1 Tank Platoon19.99	Verminator5.99	ATF II17.99	SAS Combat2.99
Torvak the Warrior17.99	Custodian1.99	Days of Thunder17.99	TNT Combat Mission2.99
Simulcra17.99	Crystal Castles4.99	Billy the Kid17.99	Terry's Big Adventure4.99
Wark17.99	Legend of Sword4.99	Ancient Battles17.99	Flintstones4.99
Sly Spy17.99	Nebulus2.99	International 3D Tennis17.99	Pac Land5.99
Crime Wave17.99	Corruption7.99	Xiphos17.99	Zork 17.99
Mean Streets17.99	Barbarian 26.99	Skate Wars17.99	Grand Monster Slam6.99
Rick Dangerous II17.99	Tom & Jerry6.99	Kick Off II17.99	Steve Davis Snooker7.99
Robo Cop II17.99	Bloodmoney7.99	Flimbo's Quest17.99	Heavy Metal7.99
Micropose Soccer II17.99	Postman Pat7.99	Rotox17.99	Crackdown
Lost Patrol17.99	Sonic Boom6.99	Back to the Future II12.99	Emotion7.99
Bad Blood17.99	Toobin6.99	Pawn17.99	Bards Tale 1
Captive17.99	Tracksuit Man6.99	Operation Harrier19.99	Music Con. Kit5.99 Cartoon Capers5.99
Cadaver17.99	Quarts6.99	Ferrari Formula 17.99	Stunt Car Racer8.99
Turbo Esprit Chall17.99	Tower of Babel6.99	Paintworks7.99	Fallen Angel6.99
Team Suzuki17.99	Mr Heli9.99	Savage4.99	Hard Drivin'
Indianapolis 50017.99	Gravity8.99	Joe Blade 12.99	F19 Stealth19.99
Night Breed (Movie)17.99	Theme Park Mystery7.99	Joe Blade 22.99	Midwinter19.99
Monty Python17.99	Zany Golf7.99	Powerdrift6.99	Dick Tracy19.99
Speedball II17.99	Powerdrome7.99	Gato4.99	Deja Vu II9.99
Shadow of the Beast17.99	Warhead9.99	Run the Guantlet4.99	Shadowgate4.99
UN Squadron17.99	Battle of Britain19.99	Weird Dreams6.99	Deja Vu4.99
Gremlins II17.99	Battle Command19.99	Victory Road4.99	Uninvited4.99
Spy Who Loved Me17.99	Wonderland19.99	Carrier Command8.99	Fóotball Man. 2 (World Cup).9.99
Badlands17.99	Epik19.99	Cybernoid 22.99	Midnight Resistance13.99
Spellbound14.99	Powermonger19.99	R Type4.99	N. Mansells GP7.99
Nitro14.99	Carthage19.99	Rocket Ranger7.99	STOS19.99
Shadow Warriors13.99	Loom19.99	First Person Pinball4.99	Wheels of Fire20.99
Hitchhikers Guide7.99	St Dragon19.99	Batman (Caped)4.99	Hollywood Collection20.99
Leather Goddess7.99	BSS Jane Seymour19.99	Bad Company2.99	Platinum
Talespin9.99	Wolf Pack19.99	Orbitor3.99	TNT Compilation20.99
Battlezone4.99	Supremacy19.99	Turbo Cup & Car4.99	The Keep17.99
Fish	Awesome26.95	Harrier Combat Sim4.99	Paper Boy10.99
Last Duel4.99	Atomic Robo Kid17.99	Menace3.99	Commando
Gold Rush5.99	Ranx17.99	Roller Coaster4.99	Harley Davidson19.99

Title/Item		Price
THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR		
surful languaged to a classification of a translation of a translation program of a translation of a transla	2 298 409	
There's wall other als governor.	No THE COURSE	
Of the House take most make		<del>di solo 2</del> Biri Faki
possolio ja il igninocitati apatio	Total Cost £	

P&P
P&1

Name	
Address	
980,000 F 3 X 12 5 12 - 7 7 6 8 8 6 7 9 8 8 5 7 10 6 8 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	
Tel No.	
	STUJAN

Proprietors: S.A. and R.A. Beech

## PERIPHERALS & ACCESSORIES















PLUS MUCH MORE SEND FOR YOUR FREE PRODUCT GUIDE

# ST FOR SOFTWARE & BOOKS

If you own an Atari ST, then you will not want to miss the FREE Atari ST Product Guide from Silica Shop. This 48 page, full colour guide is packed with details of peripherals, accessories, books and software for the Atari ST range of computers. In fact, the 1990 Atari ST Product Guide is the most comprehensive product handbook available for Atari ST owners. Not only does the Product Guide provide an invaluable source of information to Atari ST computer users, it is available absolutely FREE OF CHARGE! Just complete and return the coupon below for your FREE COPY! In addition to ALL Atari hardware, the range of products featured in the catalogue includes:

### PERIPHERALS: Floppy Disk Drives

Robotics Hard Disk Drives MIDI/Music Monitors **Printers** 

Clocks **Emulators** Modems Mouse controllers Plotters Scanners Sound Digitisers Sound Samplers

Graphic Tablets Modulators Scientific Equip Video Enhancers

### **ACCESSORIES:**

Cables Disk Boxes Monitor Access Printer Labels Stands

Cleaning Kits **Dust Covers** Mouse Access Printer Paper Upgrades

**Power Supplies** Printer Ribbons

Disks

**Joysticks** 

### **BOOKS:**

ST Dedicated 68000 Processor General Computing

### SOFTWARE **ENTERTAINMENT:**

Arcade Games Compilations Advanced Sims Sport Sims Adventures Board & Strategy

### SOFTWARE PRODUCTIVITY:

Art & Graphics Communications Education/Childs Spreadsheets

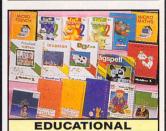
Accounts Databases Music Utilities

Address:

CAD **Desktop Publishing** Programming Word Processors



GRAPHICS







STILL MORE! & STILL MORE! RETURN THE COUPON NOW!

Silica are the UK's No 1 Atari Specialists. We have been established for over 12 years, and have an annual turnover of £10 million. With our experience and expertise, we can claim to meet our customers requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon for our latest free lite, ature and begin to experience the "Silica Service".



MAIL ORDER:	1-	4 The Mews, 9.00am-6.00pm	Hatherley	Rd,	Sidcup,	Kent,	DA14	4DX	Tel	081-30	9 1111
Order Lines Open:	Mon-Sat	9.00am-6.00pm	No	Late N	light Open	ing		Fax	No:	081-308 06	08
LONDON SHOP:	TEN MATE	52 Tottenh								071-580	
Opening Hours:	Mon-Sat	9.30am-6.00pm	Late	Nigh	t: Thursda	y until	8pm	Fax	No:	071-323 47	37
SIDCUP SHOP:	1-	4 The Mews, 9.00am-5.30pm	Hatherley	Rd,	Sidcup,	Kent,	DA14	4DX		081-302	
Opening Hours:	Mon-Sat	9.00am-5.30pm	Late	Nigh	t: Friday u	intil 7pr	n	Fax	No:	081-309 00	17
Order Lines Open:	ON: 1-	4 The Mews.	Hatherley	Rd,	Sidcup.	Kent.	DA14	4DX	Tel:	081-308	0888
Order Lines Open:	Mon-Fri 9	9.00am-6.00pm	Clos	sed or	Saturday	S		Fax	No:	081-308 06	08

To: Silica Systems Ltd, DeptATSTR 191-31, 1-4 The Mews, Hatherlev Rd, Sidcup, Kent DA14 4DX

		Company of the Company						
PLEASE	SEND	ME	A	FREE	ST	PR	DDUCT	GUIDE

Mr/Mrs/Ms: ..... Initials: ..... Surname:

Postcode:

Which computer(s), do you own? ..

# Nightbreed The Interactive Movie



**OCEAN** £24.99

ightbreed is the name given to a supernatural group of creatures living in an underground haven called Midian. Its sanctuary is safe, thanks to the unsuspecting and cynical outside world being unaware of its existence. If its location were to become common knowledge, then its destruction by the 'Sons of the Free' (humans) would be inevitable.

Ocean's attempt at a Cinemaware-style game incorporates the storyline from Clive Barker's latest, and probably best horror/thriller film to date – 'Nightbreed'.

It follows the fight for survival by Aaron Boone, accused of being a mass murderer. He has no recollection of these crimes, and so decides to seek out and find Midian, in a desperate bid to escape persecution and injustice. It's up to you, playing the role of Aaron Boone, to see if he is successful.

Sitting in your psychiatrist's office, you are told that if you don't give yourself up to the police within the next 24 hours, then this kind and sympathetic doctor (who believes you are guilty) will disregard client confidentiality and put the police on your trail.

On leaving the office, the screen changes to a bird's-eye view of the surrounding countryside. Shown on this map are the police station, the hospital and Midian, along with the connecting system of roads which you need to negotiate when moving from location to location. By placing the cursor at the nearest road junction to the car and clicking, you can drive around with relative ease.

Sometimes however, you will run into roadblocks set up by the police. When this happens there's the opportunity to either turn around or attempt to crash straight through the barriers. Turning and taking another route uses up valuable fuel, but running the blockade provides the opportunity for the tyres or petrol tank to be shot out.

The first port of call is the hospital. While here, it's possible to gather information about Midian and the whereabouts of its secret location. You're informed about this by the use of a series of well-detailed, but motionless pictures. After a quick escape from the confines of your bed, it's back in the car and time to renegotiate the road-blocks.

Arriving outside the graveyard's cold iron gates, there's the choice of going in three directions – into the graveyard itself, into Midian or to turn round. As the game progresses, you realise that there's only one way through the maze of problems, so making the wrong choice means that its 'goodnight' and time to reload the disk.

Deciding to venture in amongst the coffins, you are suddenly confronted by Peloquin, a



It's time to enter Midian. Little does Aaron realise just what he is letting himself in for. There are enemies far worse than the police in this place – and all of them are supernatural



The map which just might help to keep Aaron alive. But where is he going to go first?

GRAPHICS	80%
SOUND	70%
GAMEPLAY	52%
OVERALL	56%
Reviewer	MIKE

cannibalistic and rather ugly member of the Breed, who sinks his green and rotting teeth into your neck. After struggling free and making a quick dash towards the exit, you crash through the gates and come face to face with the police. You breathe a huge sigh of relief at your narrow escape, however the police chief ducks out of the way, and a hail of machine gun bullets hits you in the chest.

From here to the end of the game, whether inside Midian or on the surface, the gameplay is predictable and uninspiring. On the whole, it isn't the excellently drawn static screens, the great use of colour or the good sound effects which make the most impact. What you notice most is the game's rigid and unwavering – bordering on boring – gameplay.



The petrol station is one place Aaron will visit more than once in his nightmare journey



You were warned but you didn't pay enough attention. This is definitely a tricky situation



It looks like the police were too quick for you this time. You'll just have to be smarter



# **TURBOSOF**

### FORTHCOMING ATTRACTIONS Gremlins 2 Wonderland Sly Spy ... International 3D Tennis... Lost Patrol .... European Superleague..... S.T.U.N. Runner Wings of Fury Barbarian 2 (Psygnosis) TV Sports Basketball £13.99 Codename Iceman ...... £24.99 Vendetta .. £16.99 £16.99 Street Hockey .. Dick Tracy... Betrayal £19.99 Supremacy Robocop 2 . Total Recall £20 99 Super Off Road Racing N.A.R.C. Plotting. £13.99 Murder Team Suzuki..... It Came From The Desert..... Hard Drivin' 2 ..... Light Corridor..... Armour-Geddon..... Omnicron Conspiracy...... Mean Streets. Crime Wave ..... Dragons Lair 2. Judge Dredd .. Final Whistle ........ Awesome ...... Torvak the Warrior . £17.99 Deuteros-Millenium v2..... Dragon Breed ..... **JOYSTICKS** Pro 5000 Clear .. £12.99

Pro 5000	£12.99	
Quickjoy Superboard		
Quickjoy Jetfighter		
Quickjoy Infrared	£24.99	
Quickjoy Topstar		
Quickjoy Megaboard	£22.99	
Quickjoy 3 Turbo	£8.99	
PERIPHERALS		
Contriver Mouse	£19.99	
Naksha Mouse		
Datafile 840 Disc Box	£5.99	
Datafile 80 Disc Box	£7.99	
Mouse Mats (6MM)	£4.99	
Maria - Harris	00.00	

FERIFIERALO	
Contriver Mouse	£19.99
Naksha Mouse	£29.99
Datafile 840 Disc Box	£5.99
Datafile 80 Disc Box	£7.99
Mouse Mats (6MM)	£4.99
Mouse House	
Mouse/J/S 2m Ext. lead	£6.99
Twin J/Stick Ext	£6.99
520/1040 Dust Cover	£6.99
3.5" Disc Cleaning Kit	£3.99
Sony Branded Box 10	
Unbranded Box 10	£6.99
Cumana External Drive	£69.99

	TOP 50	CHART
Leisuresuit Larry 3	£16.99 £18.99 £14.99 £26.99 £14.99 £13.99 £13.99 £13.99 £13.99 £13.99 £12.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £16.99 £15.99	Night Breed. Kick Off 2. Heroes Quest Shadow of the Beast Cadaver. Power Monger Rick Dangerous 2 Magic Fly Immortal 1 Meg). Monty Pythons Flying Circus Chuck Yeagars AFT v2 M1 Tank Platoon Loom. Final Battle. Simulcra. Bomber Mission Disc Speedball 2 Captive. Mean Streets Golden Axe. Wrath of the Demon Saint Dragon. Satan Teenage Mutant HeroTurtles Snowstrike.
	SPECIAL	OFFERS

	SPECIA
Barbarian 2	£7.99
7 Gates of Jambala	£4.99
Austerlitz	£9.99
Galdregons Domain	£7.99
Oil Imperium	
Borodino	
Ballistix	
Interphase	
T.V. Sports Football	
Conflict in Europe	£7.99
Brian Cloughs Football	£6.99
Hunt for Red October	29.99
Pacland	£7.99
Speedball	£4.99
Pacmania	£8.99
Uninvited	
Shufflepuck Cafe	£4.99
Gauntlet 2	£7.99
Gauntlet 2	£7.99
Marble Madness	£7.99
Laser Squad	£7.99
Centreford Squares	£7.99
Tank Attack	£8.99
Spy vs. Spy I	£3.99
Spy vs. Spy II	£3.99
Spy vs. Spy III.	£3.99
Spy vs. Spy III	£8.99
Mr Heli	£8.99
Weird Dreams	
UMS Scenario Vietnam	
UMS Scenario Civil War	

Strike Force Harrier	
HOLLYWOOD COLLECTION - ONLY £ Indianna Jones Last Crusade, Batman the Robocop, Ghostbusters 2	

TNT ONLY £19.99
Hard Drivin', APB, Dragon Spirit,
Toobin, Zybots

COMPUTER HITS 2-ONLY £8.99

POWER PACK-ONLY £17.99 Xenon 2, Bloodwych, TV Sports Football Lombard Rally

CHART	
Night Breed	£17.99
Kick Off 2	£13.99
Heroes Quest	
Shadow of the Beast	
Cadaver	
Power Monger	£19.99
Rick Dangerous 2	£16.99
Magic Fly	£16.99
Immortal 1 Meg)	
Monty Pythons Flying Circus	£13.99
Chuck Yeagars AFT v2	£17.99
M1 Tank Platoon	£19.99
Loom	£16.99
Final Battle	£16.99
Simulcra	£16.99
Bomber Mission Disc	£11.99
Speedball 2	£16.99
Captive	
Mean Streets	
Golden Axe	£13.99
Wrath of the Demon	£19.99
Saint Dragon	£13.99
Satan	
Teenage Mutant HeroTurtles	£17.99
Snowstrike	
OFFFDC	

Question of Sport	
Lost Dutchmans Mines	£7.9
Paris Dakar Rálly	£7.9
S.D.I	£4.9
S.D.ILombard Rally	9.9
Deluxe Strip Poker	£7.9
Bomber	£12.9
Tusker	29.9
Battletech	£12.9
Ninja Spirit	9.9
Airborne Ranger	9.9
Silent Service	9.9
Rick Dangerous	£9.9
A.P.B.	£4.9
Hard Drivin	£8.9
President is Missing	£6.9
Starglider 2	£9 9
Time and Magik	£9 9
Beach Volley	£8 9
Strider	£8 9
Dynamite Dux	£7.0
Kid Gloves	
Super Wonderboy	£0.9
Hammerfist	
Time Machine	
Manhunter in San Francisco	£9.9
Games Winter Edition	
Ferrari Formula 1	£7.9
Swords of Twilight	£7.9
Powerdrome	£7.9

# WHEELS OF FIRE 0NLY £20.99 Powerdrift, Chase HQ, Turbo Outrun, Hard Drivin

HOYLES BOOK OF GAMES (Sierra) – ONLY £14.99 Solitaire, Gin Rummy, Crazy 8's, Old Maid, Cribbage, Hearts

WORLD CUP COMPILATION-ONLY £14.99
Kick Off, Interanational Soccer,
Tracksuit Manager

MIND GAMES – ONLY £17.99 aterloo, Conflict in Europe, Austerlitz

STAR WARS TRILOGY - ONLY £9.99 Ars, Empire Strikes Return of the Jedi

£13.99
£13.99
£16.99
£16.99
£14.99
£16.99
£16.99
£19.99
£16.99
£9.99
28.99
£8.99 £16.99
£7.99
£16.99
£19.99
£12.99
£7.99
£24.99
£14.99
£12.99 £24.99
£24.99
£19.99
£16.99
£19.99
£13.99
£13.99
£16.99
£19.99 £10.99
£10.99
£10.99
£13.99
£17.00

Bridge Player 2150.     £19.99       Colossus Chess X     £12.99       Dungeon Master Editor     £7.99       Flight Simulator 2     £24.99       Deluxe Scrabble     £14.99	
Colossus Chess X£12.99	
Dungeon Master Editor£7.99	
-light Simulator 2£24.99	
Jeluxe Scrabble     £14.99       Eilte     £12.99       Kings Quest Triple Pack     £24.99       Kings Quest IV     £19.99       eisuresuit Larry     £16.99       eisuresuit Larry 2     £19.99       Vew Zealand Story     £13.99       Operation Wolf     £13.99       Pirates     £16.99       Pack Lightning     £16.99       Pack Lightning     £19.90	
Zings Quest Triple Back C24 00	
Kings Quest IV	
oicurocuit Larry \$16.00	
picurpouit Larry 2 £10.00	
New Zealand Story £13.99	
Operation Wolf £13.99	
Pirates £16.99	
Flates	
Scenery Disc 7. 9 or 11£10.99	
Scenery Disc Japan or Europe£10.99	
Hawaiian Scenery Disc£14.99	
War in Middle Earth£13.99	
Martin Middle Earlin   21,399   2284 McKracken   217,99   2784 McKracken   217,99   17easure Island Dizzy   24,99   11, Rugby Simulator   24,99   2aptain Blood   24,99   24,016   216,99   24,99   24,016   24,	
Treasure Island Dizzy£4.99	
nt. Rugby Simulator£4.99	
Captain Blood£4.99	
Jack Nicklaus Golf£16.99	
Jack Nicklaus Goll	
Daily Double Horse Racing£8.99	
Football Director 2£13.99	
Forgotten Worlds£13.99	
ndy Jones Adventure£16.99	
Hunter Killer £4.99 Hound of Shadow £7.99	
Hound of Shadow£7.99	
ron Lord£16.99	
Fire Brigade         £19.99           Kenon II         £9.99           Batman the Movie         £13.99	
Kenon II£9.99	
Satman the Movie£13.99	
Kick Off         £13.99           Kick Off Extra Time         £6.99	
California Games£13.99	
Chance Editor £10.00	
Chaos Editor         £10.99           Chess Champion 2175         £18.99           Hammerfist         £9.99	
Jammorfiet £0.00	
Marhead £9.99	
Warhead         £9.99           Emlyn Hughes Soccer         £16.99           Maniac Mansions         £17.99	
Maniac Mansions £17.99	
16 Falcon £16.99 -opulous £16.99 -opulous £16.99 -opulous £16.99 -opulous £16.99 -opulous £16.99 -opulous £13.99	
Populous £16.99	
Promised Lands £7.99	
Robocop £13.99	
Tackdown   1.6.99	
Dynasty Wars£8.99	
Games – Summer Edition£8.99	
Bangkok Knights£6.99	
Balance of Power£8.99	
Powerdrift£7.99	
Bloodwych Data Disc£4.99	
Gnome Ranger£6.99	
Millenium 2.2£7.99	
3.00me Hanger	
naos Strikes Back£16.99	
Operation Inunderboit£13.99	
Manabastar United C12.00	
Castle Master£13.99	
Battlemaster £19.99 Midwinter £19.99	
Zombi £16.99	
Projectyle £16.99	

Super Conductor	£37.50	STOS	£20.99
Spectrum 512		STOS Maestro Plus	£52.99
Degas Elite		STOS Compiler	£17.99
Fleet Street Publisher		Deluxe Paint	£34.99
Quartet	£37.99	Realtime	£174.99
Replay Professional	£105.99	Advanced Art Studio	£18.99
Please note that not all forthcoming attractions are released at the scheduled time.  These will be despatched within 24 hours of release, subject to availability.			

UTILITIES 8	BUSINESS
Harlekin£34.99	Superbase Professional£169.99
Lattice C Version 5£109.99	First Word Plus V.3£57.50
Devpac ST Version 2£45.00	Knife ST£20.99
Hisoft Basic£59.95	Tempus 2£27.99
Personal Pascal (Compiler)£59.95	Protext version 5£109.99
Hisoft C Interpreter£34.95	Prodata£59.99
K-Spread 3£59.99	Mavis Beacon Typing Tutor £19.99
K-Graph 3£32.99	Home Accounts£18.99

ST EDU	CATION
Answer Back Junior£13.99	Fun School 2 (under 6)£12.99
Answer Back Senior£13.99	Postman Pat£6.99
French Mistress£13.99	Learning to Type£10.99
German Master£13.99	Jigspell£10.99
Italian Tutor£13.99	Donald's Alphabet Zoo£13.99
Spanish Tutor£13.99	Goofy's Runaway Express£13.99
Fun School 2 (6-8)£12.99	Mickey's Runaway Zoo£13.99
Fun School 2 (8+)£12.99	Mickey's Crossword Maker£13.99

UNITS 6 & 7, ACACIA CLOSE, CHERRY COURT WAY INDUSTRIAL ESTATE, STANBRIDGE ROAD, LEIGHTON BUZZARD, BEDS LU7 8QE. TEL: 0525 377974 FAX: 0525 852278 (PERSONAL CALLERS WELCOME)

ORDER FORM		ST USER JANUARY
Please supply me with the following	VISA	Date:
for Computer		Name:
Titles	Price	Address:
		Post Code:
		Tel:

& PO payable to **Turbosoft** Orders under £5 please add 50p per item. Over £5 p&p FREE in UK. Europe £1.50 per item. Elsewhere £2.00 per item. N.B. Please state clearly mode of computer & also

cassette or disc when ordering

Please make cheques

Now, there's a PC-AT compatible that not only solves problems like other AT compatibles, it also solves the one problem that its predecessors have created ... affordability.

Silica Systems are pleased to present the new Atari ABC. The ABC is a 286 AT compatible that runs at over 5 times the performance of the IBM XT. This is achieved by combining the power and speed of a 16-bit 286 processor, with Atari Corp's development experience and engineering capabilities, which use the very latest in design technology. However, the Atari ABC's are available at 'XT prices' and many XT owners will wonder why they paid more, but got less!

The ABC is a reliable, high performance computer, built to exceptionally rigorous standards. It is well designed, to a state of the art specification, maintaining maximum expansion capability for the future. This includes up to 4Mb of RAM and 3 AT expansion slots. Plus, unusually for a PC at this price, the ABC has the ability to install two or three extra drives, with the cabling already inside the CPU.

The ABC has a host of impressive features, all built-in as standard, encouraging simple installation and ease of use. In addition, the ABC's small footprint and quiet operating, mean that you will notice it less on your desk than other PC's. Except, of course, when you begin to take advantage of its AT power.

of course, when you begin to take advantage of its AI power.

At its remarkably low price point, the ABC is ideally suited for home, office and educational use and will take full advantage of the vast range of PC compatible software. And, with 12 months FREE on-site maintenance (8 hour response), you can rest assured that your ABC will be fully supported.

The ABC is the latest addition to a comprehensive range of both 286 (8Mhz or 12Mhz) and 386 (16Mhz and 20Mhz) PC's, from the Business Systems Division of Atari Corp. Atari's PC range offers an unsurpassed combination of reliability, compatibility and expandability, with unique features like Atari's 44Mb removable hard disk on their PC4. Return the coupon NOW for further details of the complete range of PC products from Atari's Business Systems Division.

ABC URBO AVAILABLE: JUNE 90 To put the ABC even further ahead of the competition, we have introduced a special 'Turbo' version, which includes a super fast RLL hard disk controller to increase the data transfer rate from 150 KBytes/s to 800 KBytes/s, with a performance in-dex of 4.801. Plus! to provide exceptional graphics with an outstanding colour resolution of up to 1024 x768, we have included a Super VGA graphics adaptor and a 14" VGA colour monitor (which also supports 1024 x768 resolution), all for an additional price of only £300. Check the ABC Turbo against the competi-tion, at only £1299 (+VAT) with 30Mb hard disk, Super VGA colour graphics capabilities, plus 12 months on-site maintenance, it offers unbeatable value.

# LOW PRICE - HIGH SPEC!

- 8Mhz 80286 16-bit CPU
- Landmark Speed = 10.3Mhz, Norton SI Test = 9. Latest NEAT (New Enhanced AT) technology chip set Norton SI Test = 9.0

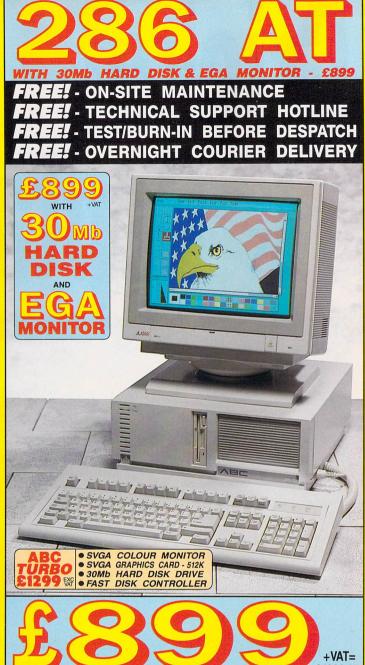
- Has user selectable bus, DMA speeds & wait states
  Programmable to operate at 0 or 1 wait states
  640K RAM base memory (expandable)
  Motherboard expandable to 4Mb RAM memory
  Real time clock with battery back-up
- Full 16-bit data line capability Socket for 80287-8 numeric Co-Processor
- 3 16-bit AT expansion slots (max)
- 32Mb RLL hard disk 150KBytes/s transfer 60ms access
- Fast disk controller 800KBytes/s transfer 700 version 1.44Mb built-in 3½" floppy disk drive Space for two 5½" and two 3½" drives (max)

  Parallel port built-in (25-pin Centronics)
- Serial port built-in (9-pin RS-232)

  Mouse controller port built-in (9-pin serial)
- Super VGA video graphics controller 512K Turbo vers
  - Super VGA: 256 colours in 800×600 res Turbo vers
  - EGA video graphics controller built-in
  - EGA: 16 colours available from a palette of 64 EGA: 256K of dedicated Video RAM built-in

  - MDA, CGA and Hercules graphics controller built-in
  - Low noise operation

  - Ergonomic small footprint (38cm×41cm×15cm) Keyboard 102 key enhanced AT (12 function keys) Keyboard has 2 position height adjusters
  - Fully OS/2 compatible (requires 4Mb RAM)
  - Supports Industry Standard Networks MS-DOS 3.3 with GW BASIC 3.22
  - 12 Months FREE on-site maintenance included



£1033.85

31/2" FLOPPY DRIVE NO HARD DRIVE 3½" FLOPPY DRIVE + 30Mb HARD DRIVE £599 £799 £699 £899 £799 £999

£1099 £1299

### SILICA **SYSTEMS** OFFER

ON-SITE MAINTENANCE (8 hour response): Available Free of Charge on all ABC's.
TECHNICAL SUPPORT HELPLINE: Team of Atari technical experts at your service.

100% QUALITY CONTROL: Every ABC is tested/burnt-in before despatch.
FREE OVERNIGHT COURIER DELIVERY: On all hardware orders shipped in the UK.
ESTABLISHED 12 YEARS: Proven track record in professional computer sales.

£13M TURNOVER (with 60 staft): Solid and reliable with maintained growth.

BUSINESS/EDUCATION/GOVERNMENT: Volume discounts available for large orders.

PRICE MATCH: We normally match competitors on a "Same product - Same price" basis.

SHOWROCMS: Demonstration and training facilities at our London & Sidcup branches.

THE FULL STOCK RANGE: All of your Atari PC requirements from one supplier.

FREE CATALOGUES: Will be mailed to you with offers and software/peripheral details.

PAYMENT: Cash / cheque / credit card / credit - we are licensed credit brokers - details on request.

Before you decide when to buy your new Atari ABC, we suggest you think very carefully about WHERE you bu

PAYMENT: Cash / cheque / credit card / credit - we are licensed credit brokers - details on request.

Before you decide when to buy your new Atari ABC, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your ABC, when you may require additional peripherals or software, or help and advice with your new purchase. And, will the company you buy from contact you with details of new ABC products? At Silica Systems, we ensure that you will have nothing to worry about. Silica Systems is a new division of Silica Shop, the UK's leading Atari specialists. This new division has been established to provide a service to the more serious home user, as well as to business and education purchasers. Silica have been established for over 12 years, and have an annual turnover of £13 million. With our unrivalled experience and expertise, we can now claim to meet our customers requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now, for our

for it. Complete and return the coupon now, for our latest Free literature and begin to experience the "Silica Systems Service".



MAIL ORDER:	1-4 The Mews,	Hatherley Rd, Sidcup, Kent,	DA14 4DX Tel: 081-309 1111
Order Lines Open:	Mon-Sat 9.00am-6.00pm	No Late Night Opening	Fax No: 081-308 0608
LONDON SHOP:	52 Tottenh	am Court Road, London, W1  Late Night: Thursday until	P 0BA Tel: 071-580 4000
Opening Hours:	Mon-Sat 9.30am-6.00pm		8pm Fax No: 071-323 4737
SIDCUP SHOP:	1-4 The Mews,	Hatherley Rd, Sidcup, Kent,	DA14 4DX Tel: 081-302 8811
Opening Hours:	Mon-Sat 9.00am-5.30pm	Late Night: Friday until 7p	Fax No: 081-309 0017
BUSINESS/EDUCATI	ON: 1-4 The Mews,	Hatherley Rd, Sidcup, Kent,	DA14 4DX Tel: 081-308 0888
Order Lines Open:	Mon-Fri 9.00am-6.00pm	Closed on Saturdays	Fax No: 081-308 0608

To: Silica Systems Ltd, DeptATSTR 191-28, 1-4 The Mews, Hatherley Rd, Sidcup, Kent DA14 4DX

PLEASE SEND	INFORMATION	ON	ATARI	PC's
-------------	-------------	----	-------	------

Mr/Mrs/Ms: ...... Initials: ..... Surname: ..... Address:

Postcode: .....

Tel (Home): Tel (Work): ..... Company Name: .....

Which computer(s), if any, do you own? ..... E&OE - Advertised prices and specifications may change - please return the coupon for the latest information.

# E. GOMER Cricket £24.99 Gaptain 2



ith summer now little more than a distant memory, the sound of leatherclad cork on willow is probably the last thing on your minds. For cricket lovers however, the thought of having to put up with the rest of the present soccer season before the return of summer, will have them in deep despair.

If you spent every Sunday afternoon during the summer down at the village green, either playing or watching cricket, then D & H's latest strategic sports offering is the game for you.

Cricket Captain is similar to Anco's Player Manager, but instead of managing a football team, you have to mould a group of players

into a successful county cricket team. If success is achieved at county level there are still greater dreams to be fulfilled, namely managing the national side. But if this goal is to be reached, the right balance between squad members, physio and coaching has to be achieved. Having only limited resources to begin with provides quite a challenge.

Each player's potential needs to be ascertained along with the measures to be taken if the team is to become a force to be reckoned with. The vacancy for an experienced coach needs to be filled before you can begin, so you need to venture into the market-place to see what talent is available. If you are able to find someone who fits the

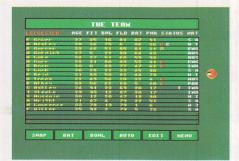
bill and who's happy with the pittance you want to pay, sign them up fast before another team beats you to it.

Unlike D & H's previous offerings, there's a large percentage of arcade action incorporated in Cricket Captain. Once a game is underway, you are able to choose from three options. Firstly, for those of you who prefer the strategical side of things, you can take the 'result only' choice. This will allow the computer to analyse the capabilities of your side against those of your opponents and decide on the outcome of the game.

Secondly there's the 'watch match' mode. This is the same as the first, but obviously here you watch the action. Lastly - and for



Pick a team, any one. It doesn't really matter as you can work your magic with any group of players. Is national level really a dream?



Select your squad. If you are to get the best from them you need to coach, encourage, motivate and occasionally get tough

GRAPHICS	58%
Sound	44%
GAMEPLAY	73%
OVERALL	69%
REVIEWER	MIKE

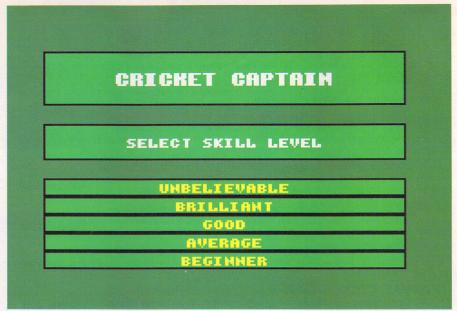
those made of sterner stuff – there's the 'play' choice. In this mode, you take control of everything, from batting to fielding. Just how good a player you really are will become apparent when playing in this mode, as all your skills will be put to the test.

During the game, the screen will be full of different displays to provide help. On the left will be a view of the whole ground and the position of the fielders. By watching the two gauges underneath it, along with the stump and ball icons in the middle of the screen, the length, line, bounce and spin of each delivery can be ascertained. This enables your batsman to position himself and prepare for the onslaught.

On the right is an overhead view of the game in progress. Here you can see the batsman, the wicket-keeper and one set of stumps.

The batsman can be controlled at the crease with the joystick and the variety of different strokes which are available to you depend on its position as you hit the ball – if indeed you do hit the ball! Getting the timing right and using the right strokes takes time. It actually takes a very long time, even after choosing to play at the easiest level. But persevere and you'll soon reap the rewards.

Cricket Captain is a game which is sure to keep you occupied for a long time. In terms of strategy alone, it will take a while before you start to reap the benefits of experience and put your team into a winning position at county level. After this, why not try to make an impact at national level? And then...



Choose a skill level. Even the beginner's level is a challenge so don't be too ambitious at first. There will be plenty of time to build up your skills and prepare yourself for the harder leagues, where hopefully you will then have the tactics needed to make an impact

J.P DERBYSHIRE	C.A DERBYSHIRE
C.A HO HATCH	J.P HO HATCH
J.P HORTHANTS	C.A HORTHANTS
J.P CUP HATCH	C A CUP HATCH
C.A SURREY	J.P SURREY
J.P YORKSHIRE	C.A YORKSHIRE
医交相 在程序 网络下花树	J.P. CUP HATCH
C.A SUSSEX	J.P SUSSEX
J.P HORCESTER	C.A HORCESTER
C A CUP HATCH	RSH CUP MATCH
C.A ESSEX	J.P. ESSEX
J.P. HARHICK	C A HARHICK
J.P. CUP HATCH	C.A CUP HATCH
C.A GLOUCESTER	J P GLOUCESTER
J.P HOTTS	THE RESIDENCE OF THE PARTY OF T
RAM CUP HOTCH	THE RESIDENCE OF THE PARTY OF T
	J.P. CUP HATCH
the state of the s	J.P SOHERSET
J.P GLAHORGAH	C.A GLAHORGAN
C.A CUP HATCH	J.P La ASHIRE
C.A LANCASHIRE	BAN CON MATCH
J.P HIDDLESEX	C.A WIDDLESEX
J.P CUP HATCH	J.P. KENT
C.A KENT	C.A HAMPSHIRE
I R MAMPEUT DE	C & CHE WATCH

This is what the season has in store for you, that is, if you don't resign first! Remember it's all down to achieving the right balance between the team members, the coaching and the physiotherapy. Once this has been sorted out there will be no stopping you

K.Lake A. Hussain I.Lloyd I.Curtis FRON O OVERS AND O BALLS, TOTAL O THE FALL OF HICKETS RUN RATE ROD O -123456789-  F.Boon OVERS O HDMS O RUNS O MKT O H			J.P	LES	GU	E GA	ME			
K Pocock NOT OUT 0  A Jones I Core S Rose E Pictles D Leros  K Lake A Hussain I LLosd I Curtis EXTRAS O THE FALL OF HICKETS RUN RATE ROD O  THE FALL OF HICKETS O THE FALL OF HI		RE .				IHHI	HGS			
A Jones I Comp S Rose E Pickles O Leves O Leve										
I COMPY  S Rose  E Pickles  D Lebos  K Lake  A Hussain  I Lloyd  I Cuptis  FROM 0 OVERS AND 0 BALLS TOTAL 0  THE FALL OF MICKETS RUN RATE ROD 0  -128456789-  G Boon OVERS 0 MDMS 0 RUNS 0 MKI 0 N  H COMP OVERS 0 MDMS 0 RUNS 0 MKI 0 N  A Mester OVERS 0 MDMS 0 RUNS 0 MKI 0 S  A Mester OVERS 0 MDMS 0 RUNS 0 MKI 0 S  A Mester OVERS 0 MDMS 0 RUNS 0 MKI 0 S				HOT O	U					
S.Rose E.Pictles D.Leroy K.Loke A. Hussain I.Lloyd I.Curtis EXTRAS EXTRAS OTHE FALL OF HICKETS RUN RATE ROD OTHE FALL OF HICKETS BOOM OVERS ON BALLS TOTAL OTHE FALL OF HICKETS BOOM OVERS ON BALLS BOOM OVERS									National States	
E.Pichles  O.Leros  K.Lake A.Hussain I.Llosd I.Curtis EXTRAS FROM O OVERS AND O BALLS. TOTAL O THE FALL OF HICKETS RUM RATE ROD O -123456789-  G.Boon OVERS O MDMS O RUMS O MKI O M H.Carp OVERS O MDMS O RUMS O MKI O S A.Mesles OVERS O MDMS O RUMS O MKI O S A.Mesles OVERS O MDMS O RUMS O MKI O S										
0.Leros K.Lake A.Hussain I.Llosd I.Llo										
A HUSSKID I LLOSS I LLOSS I CUPTIS I CUPTIS FROM 0 OVERS AND 0 BALLS TOTAL 0 THE FALL OF HICKETS RUN RATE ROD 0 -128456789-  G BOON OVERS 0 MDMS 0 RUNS 0 MKT 0 M H COMP OVERS 0 MDMS 0 RUNS 0 MKT 0 S A MESLEY OVERS 0 MDMS 0 RUNS 0 MKT 0 S A MESLEY OVERS 0 MDMS 0 RUNS 0 MKT 0 M K AT NEW OVERS 0 MDMS 0 RUNS 0 MKT 0 S			S. of the							
T.LLC9d  T. CUPT IS  EXTRAS  OFFROM O OVERS AND O BALLS. TOTAL O  THE FALL OF MICKETS RUN RATE ROD O  -1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 -  F. BOON OVERS O MDMS O RUNS O MKT O M  H. COMP OVERS O MDMS O RUNS O MKT O S  A. Mesley OVERS O MDMS O RUNS O MKT O S  A. Mesley OVERS O MDMS O RUNS O MKT O S  A. Mesley OVERS O MDMS O RUNS O MKT O S										
T CUPLIS  EXTRAS  FROM 0 OVERS AND 0 BALLS TOTAL 0  THE FALL OF HICKETS RUM RATE ROD 0  -123456789-  G Boon OVERS 0 MDMS 0 RUMS 0 MKT 0 S  A Mester OVERS 0 MDMS 0 RUMS 0 MKT 0 S  A Mester OVERS 0 MDMS 0 RUMS 0 MKT 0 S  A Mester OVERS 0 MDMS 0 RUMS 0 MKT 0 S						Chin Said				
EXTRAS 0 FROM 0 OVERS AND 0 BALLS TOTAL 0 THE FALL OF HICKETS RUN RATE ROD 0 -1-2-3-45-6-7-8-9-  G Boon OVERS 0 MDHS 0 RUNS 0 MKT 0 H GOMP OVERS 0 MDHS 0 RUNS 0 MKT 0 S A Mestey OVERS 0 MDHS 0 RUNS 0 MKT 0 S K Athey OVERS 0 MDHS 0 RUNS 0 MKT 0 S										
FROM 0 OVERS AND 0 BALLS TOTAL 0 THE FALL OF MICKETS RUN RATE ROD 0 -123456789-  G Boon OVERS 0 MDMS 0 RUNS 0 HKT 0 H H COPP OVERS 0 MDMS 0 RUNS 0 HKT 0 S A Mester OVERS 0 MDMS 0 RUNS 0 MKT 0 H K AR her OVERS 0 MDMS 0 RUNS 0 MKT 0 S										
THE FALL OF HICKETS RUN RATE ROD O -128456789-  G. Boon OVERS O MDMS O RUNS O MKT O H H. Gairr OVERS O MDMS O RUNS O MKT O S B. Mestey OVERS O MDMS O RUNS O MKT O H K. Athey OVERS O MDMS O RUNS O MKT O S										
-128456789-  G.Boon OVERS O HDMS O RUNS O HKT O H H.CORP OVERS O HDMS O RUNS O HKT O S B. Hesley OVERS O HDMS O RUNS O HKT O H K.ARLEY OVERS O HDMS O RUNS O HKT O S					665					
G.Boon OVERS O MDMS O RUNS O MKT O H H.Garr OVERS O MDMS O RUNS O MKT O S B.Mestey OVERS O MDMS O RUNS O MKT O H K.Athey OVERS O MDMS O RUNS O MKT O S								3 1111	I A STATE OF	
H.COPP OVERS O HOMS O RUNS O HKT O S R.COPP OVERS O HOMS O RUNS O HKT O H K.Athey OVERS O HOMS O RUNS O HKT O S				ranes allowaters						
A Hestey OVERS O MONS O RUNS O MKT O M K.Athey OVERS O MONS O RUNS O MKT O S	G.Boon	OVER5	5 0	HDHS	0	RUH5	O.	HKT	0	H
K.Athey OVERSO MDNSO RUNSO HKTO S								HKT	0	
										H
D.Innes OVERS O HDMS O RUMS O HKT O S	K.Athey									
	D Innes	OVER 9	. 0	HDHS	0	RUHS	U	HIKT	0	5
Return Fielding Auto-off Other Declare	Retu	n Fiel	din	9 Aut	0-01	ff Ot	her i	DecLi	ore	

This inexperienced and naive rabble represent your future in the exciting world of competitive cricket. But don't give up hope just yet, there's still time before the start of the season to get them into shape. Right, now where did you put the name of that coach?

# ATARI 520 STE DEA

ALL ATARI STE PRICES INCLUDE VAT AND UK DELIVERY. ALL PRODUCTS CARRY A FULL 12 MONTH WARRANTY. ALL MACHINES ARE CHECKED PRIOR TO DESPATCH. PLEASE RING US BEFORE ORDERING TO CHECK STOCKS AND CURRENT PRICES, WILL YOU EVER WANT TO EXPAND YOUR STE'S RAM? ALL OF OUR ATARI STE COMPUTERS HAVE THE 'PLUG-IN' RAM SOCKETS — OUR PRESENT STOCKS DO NOT REQUIRE A SOLDERED IN RAM UPGRADE UNLIKE THE MACHINES OFFERED BY OTHER MAIL ORDER COMPANIES, OUR PRESENT STOCKS ALSO HAVE THE NEW DMA CHIP SET FITTED ALLOWING TROUBLE FREE OPERATION WITH ATARI HARD DISK DRIVES. 512k 4mb 1mb 2mb

520STE STANDARD PACK. consists of the computer with

mouse, tv lead, manual and all connecting leads etc. The Standard Pack is supplied £349.00 £375.00 £419.00 with NO software.

520STE TURBO. consists of Standard Pack and STOS, Basic, Hyper Paint II, Music Maker II, 8 games (Indiana Jones, Impossible Mission II, H.K.M., Super Cycle, Outrun, Dragons Breath, Anarchy & Blood Money) and a joystick

520STE BUSINESS. consists of Standard Pack and also comes with K-Word 2 word processor, K-Data database, K-Spread spreadsheet and Metacomco Basic programming software.

520STE POWER. consists of Standard Pack and the 20 top selling arcade games listed for the STFM Power Pack (or on the bottom left of this page) and a joystick

520STE DISCOVERY. consists of the Standard Pack and STOS, First Basic, NeoChrome and 4 games (Carrier Command, Space Harrier, Outrun, Bomb Jack) and a joystick

£369.00 £389.00 £439.00 £549.00

£529.00

£385.00 £405.00 £459.00 £565.00

£389.00 £409.00 £459.00 £569.00

£365.00 £395.00 £439.00 £555.00

# E RAN KITS

DIY 1 KIT - 520STE to 1MB

2 x 256K cards SIMMS £34.99

DIY 2 KIT - 520/1040 to 2MB (2 x 1MB cards) SIMMS £109.00

DIY 4 KIT - 520/1040 to 4MB

(4 x 1MB cards) simms

All RAM prices include VAT and delivery and come with instructions Please check your STE configuration before ordering.

## ATARI 520STFM POWER PACK

\* Atari 520STFM computer and mouse, all cables etc.

\* 20 top selling games (Afterburner, R-Type, Gauntlet 2, Super Hang On, Space Harrier, Star Glider, Overlander, Super Huey, Pac Mania, Nebulus, Eliminator, Predator, Xenon, Bombuzal, Bomb Jack, Double Dragon, Black Lamp, Out Run, Star Goose and Star Ray)

### REMEMBER : ALL PRICES INCLUDE DELIVERY and VAT. THERE ARE NO HIDDEN EXTRAS

£205.00

All of our blank disks are guaranteed and supplied with labels. Our 3.5" Unbranded disks are either KAO or Sony. All Sony Branded disks are boxed and supplied with labels. All disk prices include vat and delivery.

QUANTITY 10 20 30 50

UNBRANDED 3.5" DS/DD 5.99 10.99 15.99 25.99 49.00 SONY BRANDED 3.5" 2DD 9.50 18.50 26.50 42.00 80.00

ST MIDI SOFTWARE

Cubase, Notator, Cubeat, Creator, Notator Alpha, Dr.T Tiger Cub, Gajits etc. all at amazing prices !!

UNBRANDED 14 95 27 95 39 95 59 99 115.00 RING FOR LARGER QUANTITIES

### CONTRIVER MICE £18.95 ST compatible

Amiga compatible PC compatible £19.95 £23.50

### **PRINTERS**

All of our printers come with a free cable and have a full 1 year warranty.

Star LC10 Mono (9-pin)	£157.00
Star LC10 Colour (9-pin)	£205.00
Star LC200 Colour (9-pin)	£230.00
Star LC24-200 Mono	£275.00
Panasonic KXP1124	
(24-pin)	£249.00
Panasonic KXP1624	
15" carriage (24-pin)	£399.00
Citizen Swift 24 (24-pin)	£299.00
Swift 24 Colour Kit	£34.95

### ST ACCESSORIES

£99.99 SM124 Mono Monitor Megafile 30 Hard Disk £449.95 Roctec 1 MB External Drive £75.00 £24.95 Forget-Me-Clock II Card £24.95 Turbo Pack software £14.95 Hyper Pack software £34.99 Discovery Pack software £14.95 ST Monitor Switch Box STE Stereo scart lead £12.99 £7.95 STFM standard scart lead €495 Atari CX4O Joystick Joystick/Mouse extension lead £4.75 £3.75 Replacement Mouse lead

### THE ULITMATE IN DESKTOP PRINTING THE HEWLETT PACKARD DESKJET 500

- \* 120 cps in LQ
- 240 cps in Draft 75 to 300 dpi
- 100 x A4 sheet feeder

\* Optional plug in font cartridges \* Optional Epson FX emulation

Fully compatible with Notator 13, Cubase 12

inclusive

AS USED BY US TO PRINT THIS ADVERT!

### ST GAMES ONLY £1.75 EACH ?

Afterburner, R-Type, Gauntlet 2, Super Hang-On, Space Harrier, Star Glider, Overlander, Super Huey, Pac Mania, Nebulus, Eliminator, Predator, Xenon, Bombuzal, Bomb Jack, Double Dragon, Black Lamp, Out Run, Star Goose and Star

All of the above games are available in the Power Pack Software pack for only -

£34 - thats less than £1.75 each !

(requires double-sided internal disk drive)

# BEST PRICES MAIL ORDER

(DEPT STU), UNIT A. GRAFTON PLACE. WORTHING. WEST SUSSEX. BN11 1QX

VISA"

(0903) 700714 TELESALES 10am till 12 midnight

All prices include VAT and UK delivery unless otherwise stated. All prices / specifications / special offers are subject to change without notice. Goods usually despatched same day as cleared payment is received.

Please make cheques/P.O's out to BEST PRICES. Mail order only. Thank You.

ADD \$5.00 INC VAT FOR NEXT WORKING DAY UK DELIVERY, ADD \$25.00 INC VAT FOR SATURDAY UK DELIVERY

# UN Squadron

US GOLD £19.99





Large jets may be encountered during your mission. Be careful as these spit deadly bombs in your direction. Your best line of defence is to use your special weapon and let him have it

Iready a monster hit in the arcades, UN Squadron is the latest Capcom coin-op to be given the US Gold treatment. It so happens that a ruthless group of international arms dealers have set themselves up in business. Exploitation is the name of the game and the mercenary dealers are ready to cash in on any warlike situation going.

The UN Squadron are the only force strong enough to halt the dealers deadly plans. As you may have guessed, you're one of the good guys (an ace pilot with the squadron). It's up to you to prevent the bad guys from invading an unsuspecting land and gaining even more power and wealth. The plot isn't really that important, as soon as you begin playing you realise UN Squadron is just another case of 'shoot-anything-that-moves', therefore suiting every trigger-happy arcade fanatic in the Universe.

As a top pilot, you must venture forth across a horizontally scrolling landscape that's jampacked with deadly missile launchers, tanks, and all manner of resistance. Not only will you have to put up with attacks from the ground, but you'll find the skies are thick with enemy aircraft too.

Before battle may commence, you must decide which of the three available jets you wish to pilot. They all have slight differences and you'll have to determine which, according to your style of gameplay, suits you best. As soon as you've made your choice it's up, up and away as you prepare for your first melee with the enemy.

Realising the mortality rating of your mission, the powers that be decide to credit your bank balance with a rather large sum of money. Of course, you could leave it well alone in order to earn a wad of interest, or you can spend it on some of the latest weapons technology available. I'd suggest the latter, you may not get rich but you'll certainly live longer!

As you destroy a squadron of enemy aircraft you may be treated to an icon giving you extra

firepower. Continual tapping of the firebutton will release this increased firepower until it is eventually exhausted. After that, you'll have to finish the level with conventional weapons. Because the bonus firepower is somewhat limited, the best tactic is to save your bonus weapons until you reach the end-of-level guardian. This will allow you to complete your mission without too much bother.

The final target for each mission varies considerably. It could be a huge missile launcher, a fortress, an aircraft carrier or a stealth bomber invulnerable to homing missiles. All of the targets are large, detailed and colourfully drawn.

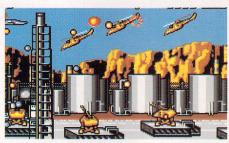
One option in UN Squadron which has frequently been appearing in games over the past couple of years, is the choice of playing along-side another player. This, as usual adds to the enjoyment of the game and increases the overall fun that can be had.

As a full-blooded shoot 'em up, UN Squadron does not fail to make the grade. However, there does seem to be a certain case of deja vu as none of the game's features are entirely unique. The gameplay is simple and straightforward with the difficulty level being easy enough for the novice, whilst providing a challenge for the expert. All in all, UN Squadron is a good conversion that will keep arcade fanatics happy for a few fun-filled hours.



One of the end-of-level guardians is a huge landbased aircraft carrier. You can only destoy it by blowing up the control tower that rises from the deck, so your concentration is paramount

REVIEWER	NICK
OVERALL	78%
GAMEPLAY	77%
SOUND	79%
GRAPHICS	81%



As you fly on missions you'll come under heavy air and ground attack. It's often wise to deal with the threat from the land-based forces before targetting the aerial assault



Before you can begin a mission you will be informed of what you have to achieve. This information includes clues relating to the destruction of the end-of-level guardian



Having flown through enemy airspace and knocked out all the opposing fighters, you come face to face with your main quarry, the F117a Stealth - give this one your all

# Unit 4, B.D.C, 21 Temple Street, Wolverhampton WV2 4AN Tel: 0902 25304

CALL US ON: 24 Hour Credit Card Hotline 0902 25304

# **ATARI ST** A.T.F. 2....ANCIENT BATTLES .....ATOMIC ROBOKID .....B.S.S. JANE SEYMOUR .....BACK TO THE FUTURE 2... ...**NEW** 16.99 ......16.99 ...**NEW** 16.99 .....16.99 BALANCE OF POWER 1990 ... BATTLE CHESS BATTLEMASTER..... BLASTEROIDS BLINKYS SCARY SCHOOL. BLITZKRIEG MAY 1940.... BLOODWYCH ......BLOODWYCH DATA DISC ..... 6.99 4.99 CADAVER 6.99 CAPTIVE NEW 16.99 CASTLE MASTER 16.99 CASTLE MASTER 16.99 CHANGS EDITOR 9.99 CHAOS STRIKES BACK 16.99 CHOUCKIE EGG 12.00 COMOUNDEDCO COMBO RACER 16.99 CONQUEROR 16.99 CRICKET CAPTAIN 16.99 CRICKET CAPTAIN 16.99 CRICKET CAPTAIN 16.99 CHISE OF RA NEW 16.99 DAILY DOUBLE HORSE RACING 9.99 DAMOCLES 16.99 DAMOCLES 16.99 DECAS ELITE 16.99 DECAS ELITE 16.99 DELUXE PAINT 34.99 DELUXE SCRABBLE 16.99 DELUXE STRIP POKER 9.99 DIZZY DICE 4.99 DRAGON FILCHT NEW 19.99 DRAGONS BREATH 19.99 DRAGONS BREATH 19.99 DRAGON'S LAIR ...... DRAGON'S OF FLAME...... DRAKKHEN DRUM STUDIO .. LOOM. THE LOST PATROL LOTUS ESPRIT TURBO CHALLENGE...... M1 TANK PLATOON ...... ....NEW 13.99 ....NEW 16.99 ....NEW 21.99 MAGIC FLY..... MANCHESTER UNITED...

SELLERS		
A CONTRACTOR OF THE PARTY OF TH		
MEAN STREETSMIDNIGHT RESISTANCE	NEW 16	.99
MIDWINTER	19	.99
MIKE REID'S POP QUIZ	6	.99
MEAN STREETS. MIDNICHT RESISTANCE. MIDNICHT RESISTANCE. MIDNICHT RESISTANCE. MIDNICHT RESISTANCE. MIDNICHT RESISTANCE. MICHAEL RESISTANCE. MICHAEL RESISTANCE. MICHAEL MANSELL MIND. MICHAEL MANSELL MICHAEL M	NEW 13	.99
MURDER	NEW 16	.99
NEVER MIND	SPECIAL OFFER 6	.99
NIGEL MANSELL	7	.99
NIGHT HUNTER	<b>NEW</b> 16	.99
OPERATION NEPTUNE	SPECIAL OFFER 9	99
OPERATION STEALTH	16	.99
OPERATION THUNDERBOLT	13	.99
ORIENTAL GAMES OUTRUN. PAPERBOY. PINBALL MAGIC. PINBALL MAGIC. PILANETFAL. PLAYER MANAGER PLOTTING. POPULOUS POPULOUS NEW WORLDS. POSTMAN PAT. POWERDROME PRO TENNIS TOUR. PROJECTYLE PUB TRIVIA. QUESTION OF SPORT RAINBOW ISLAND RED STORM RISING. RENAISSANCE. RICK DANGEROUS 2. ROADBILASTERS ROCK STAR ATE MY HAMSTER. ROKES DRIFT. SATAN. SECRET AGENT/SLY SPY. SHADOW OF THE BEAST SHADOW OF THE BEAST SHADOW STRUCKION.	6	.99
PAPERBOY	13	.99
PINBALL MAGIC	NEW PRICE 6	99
PLAYER MANAGER	13	.99
PLOTTING	NEW 16	.99
POPULOUS NEW WORLDS	16	.99
POSTMAN PAT	7	.99
POWERDROME	SPECIAL OFFER 6	.99
PROJECTYLE		99
PUB TRIVIA	4	.99
PAINIBOW ISLAND	SPECIAL OFFER 6	.99
RED STORM RISING	16	99
RENAISSANCE	13	99
ROADRI ASTERS	NEW 16	99
ROCK STAR ATE MY HAMSTER.	4	99
RORKES DRIFT	16	.99
SECRET AGENT/SLY SPY	NEW 13	.99
SHADOW OF THE BEAST	16	99
SHADOW WARRIORS	16	.99
SHOOTEM UP CONSTRUCTION	N KIT19	99
SHERMAN M4SHOOT'EM UP CONSTRUCTION	19	99
SKAEOX	SPECIAL OFFER 4	99
SNOOPY	SPECIAL OFFER 6	99
SNOWSTRIKE	<b>NEW</b> 16	99
SPACE HARRIER 2	13	99
SPY WHO LOVED ME	13	.99
STARFLIGHT	16	99
STUNT CAR	16	99
SUBBUTEO	16	99
T.V. SPORTS FOOTBALL	16	99
TARGHAN	4	99
TEAM YANKEE	<b>NEW</b> 19	99
TRACKSUIT MANAGER	NEW PRICE 7	99
TREASURE ISLAND DIZZY	4	.99
SHOOTEM UP CONSTRUCTION SNODT. SNODT. SNODY. SNOWSTRIES SPACE HARRIER 2 SPACE HARRIER 2 SPACE HARRIER 2 STARLIGHT STARLIGHT STARLIGHT STORT CAR. SUBBUTEO. SUBPERCARS TUNT CAR. SUBBUTEO. TARGHAN TARGHAN TARGHAN TRACKSUIT MANAGER. TRACKSUIT MANAGER. TREASURE ISLAND DIZZY. TREBLE CHAMIPIONS. TURBO CUP	13	99
TURRICAN		99
TUSKER		
LILTIMATE COLE (CDEC NIODAL	AN)16.	.99
U.M.SVENUS FLY TRAPVIGILANTE	16	99
VIGILANTE		
WARHEAD	SPECIAL OFFER 9	.99
WINGS OF DEATH	NEW PRICE 6	99
WISHBRINGER	6	99
WORLD SOCCER		99
		00
X-OUTXENOMORPH	16	
XENOMORPH XENON 2	SPECIAL OFFER 9	99
XENOMORPHXENOM 2ZANY GOLFZOMBIE	SPECIAL OFFER 9	99
XENOMORPHXENOMORPHXENOM 2ZANY GOLFZOMBIEZORK	SPECIAL OFFER 9SPECIAL OFFER 6	99 99 99
XENOMORPH	SPECIAL OFFER 6	99
XENOMORPH XENON 2 ZANY GOLF ZOMBIE ZORK	SPECIAL OFFER 9. SPECIAL OFFER 6. 13. NEW PRICE 6.	99
XENOMORPH XENON 2 ZANY GOLF. ZOMBIE ZORK.  BARDS TALE 1 OR 2 OR 3 CHAMPIONS OF KRINN.		99,99
XENOMORPH XENON 2 ZANY GOLF. ZOMBIE ZORK.  BARDS TALE 1 OR 2 OR 3 CHAMPIONS OF KRINN.	SPECIAL OFFER 9	.99 .99 .99 .99

ZORK	NEW PRICE 6.9
HINT	BOOKS
BARDS TALE 1 OR 2 OR 3	£5.00
CHAMPIONS OF KRYNN	£7.99
CODENAME ICEMAN	£8.99
COLONELS BEQUEST	£8.99
CONQUEST OF CAMELOT	£8.99
CURSE OF AZURE BONDS	£7.99
DRAGONS OF FLAME	£4.00
DUNGEON MASTER	£9.99
HEROES OF THE LANCE	£4.00
HEROES QUEST	£8.99
HILLSFAR	£7.99
INDIANA JONES THE ADVENTUR	Æ£4.99
	£8.99
	£8.99
	£5.99
	£8.99
	£7.99
	£7.99
SPACE QUEST 1 OR 2 OR 3	£8.99

### ST COMPILATIONS

### PLATINUM £19.99

STRIDER, BLACK TIGER, FORGOTTEN WORLDS & GHOULS AND GHOSTS

### SEGA MASTER MIX £19.99

SUPERWONDERBOY, DYNAMITE DUX, CRACKDOWN, TURBO OUTRUN & ENDURO RACER

### SPORTING GOLD £19.99

CALIFORNIA GAMES, THE GAMES WINTER & SUMMÉR EDITION

### T.N.T. £19.99

HARD DRIVIN', TOOBIN, DRAGON SPIRIT, XYBOTS & A.P.B.

### HEROES £19.99

BARBARIAN 2, RUNNING MAN, STAR WARS & LICENCE TO KILL

### PREMIER COLLECTION 2 £9.99

MERCENARY, ELIMINATOR, BACKLASH & CUSTODIAN

### HOLLYWOOD COLLECTION £19.99

ROBOCOP, GHOSTBUSTERS 2, BATMAN THE MOVIE & INDIANA JONES LAST CRUSADE

### SOCCER MANIA £16.99

FOOTBALL MANAGER 2, MICROPROSE SOCCER, FOOTBALL MANAGER WORLD CUP EDITION & GAZZA'S SUPER SOCCER

### POWER PACK £19.99

XENON 2, T.V. SPORTS AMERICAN FOOTBALL, BLOODWYCH & LOMBARD R.A.C RALLY

### EDITION ONE £16.99

DOUBLE DRAGON, XENON, GEMINI WING & SILKWORM

### MAGNUM FOUR £19.99

AFTERBURNER, DOUBLE DRAGON, OPERATION WOLF, & BATMAN, THE CAPED CRUSADER

### WHEELS OF FIRE £19.99

HARD DRIVIN' CHASE H.Q., TURBO **OUTRUN & POWERDRIFT** 

### MINDGAMES £16.99

WATERLOO, AUSTERLITZ & CONFLICT IN EUROPE

### TRIAD VOL 1 £9.99

STARGLIDER, BARBARIAN (PSYGNOSIS), DEFENDER OF THE CROWN

### 3.5" 40 PIECE DISC BOX ..... 3.5" 80 PIECE DISC BOX ..... f7.99

### 3.5" DOUBLE SIDED, DOUBLE DENSITY, WITH LABELS.

£0.60

f39 99

1

I I

1 ı ı

I ı

ı

п

10	£5.99
10 25	£13.99
MOUSE MATS	
ST & AC EXTENSION LEADS	

NAKSHA UPGRADE MOUSE....

### ORDER FORM AND INFORMATION

All orders sent FIRST CLASS subject to availability. Just fill in the coupon and send it to:- Software City, Unit 4, B.D.C. 21 Temple Street, Wolverhampton, WV2 4AN

Name Address		
Postcode Tel	no	
Name of game	computer	value
	n all emile care	
	postage	
	TOTAL	

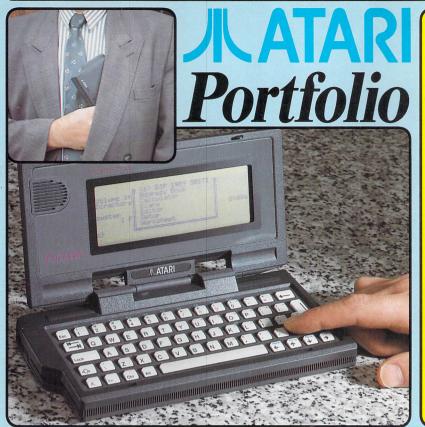
PAYING BY CHEQUE - Cheques payable to Software City

Ca	rd	Ту	oe.	 	 	Expiry Date								
						KS				PLOS			FAI	

**EUROPEAN ORDERS** MASTERCARD Signature ..... EUROCARD ACCEPTED

STU1

### PC-COMPATIBLE \* PERSONAL ORGANISER



The new Portfolio from Atari is the world's first pocketsized electronic organiser that is also a powerful PC compatible computer, with a full QWERTY keyboard and scrolling 80×25 character display.

Portfolio includes everything you would expect from an electronic organiser - an address and telephone book, time manager, diary and sophisticated calculator.

Portfolio also includes several functions that you would not expect - a spreadsheet for your personal budget and expense records, as well as a text processor for typing memos and letters.

And, because Atari's Portfolio is PC compatible, it can communicate with your desktop PC at home, or in the office. You can transfer files from one to the other, to enable you to update your reports and figures with the Portfolio while you are on the move.

FOR INC VAT

### **ECIFICATIO**

- or: Intel 80C88 at 4.9152Mhz
- Operating System: Compatible with MS-DOS 2.11. nternal ROM: 256K containing BIOS, operating system
- nternal Now: 250 Containing BIOS, operating system and applications suite.

  RAM: 128K with an internal RAM disk, configurable from 8K. Externally expandable to 640K RAM.
- Keyboard: 63 keys, QWERTY, IBM PC BIOS compatible.
  Buried numeric pad and function keys. Optional key click.
  Character Set: Extended IBM ASCII (255 characters).
- Mass storage: credit card sized memory cards (32K or 64K or 128K RAM).

  Display: Graphics LCD, supertwist technology, MDA compatible, 40 columns x 8 lines, 240 x 64 pixels (with the option to window a full 80 x 25 character display).

  Keyboard controlled contrast.
- Peripherals: 60 pin expansion BUS to take serial and
- parallel ports and memory expansion units Size: 8" x 4" x 1" (200mm x 105mm x 29mm).
- Weight: 495 grammes (with batteries).
- Applications: calendar and diary, address and phone book, Lotus 1-2-3 compatible spreadsheet, text processor, communications software.

### COMING

In addition to the excellent software built-in to the Portfolio Free of Charge (see right), other software and peripheral products, such as the sophisticated Pocket Finance package and serial/centronics interfaces are available. And it doesn't stop there. Many manufacturers have recognised the potential of the Portfolio and have already started to design new peripherals and software. Products currently under development include: Serial interface with built in mini modem, Apple Macintosh interface, business, utility and programming software plus a range of adventure and battle strategy games. For further free details on the Portfolio range, fill in the coupon below and return it to Silica Systems now.

To get you started, Portfolio comes with a suite of five useful functions built-in, all accessible from a simple menu display.

TIME MANAGER

More than just an electronic diary, the Portfolio
Time Manager enables you to plan your appointments via a comprehensive calendar and diary. It can even be programmed to sound an audible alarm at specific times to remind you of important appointments.

CALCULATOR
Your Portfolio will be invaluable in the office or at home as a powerful pocket calculator. It has a full range of functions, including factorial,

power and root calculations, all with multi display formats and memories

### ADDRESS BOOK & DIALLER Portfolio has a complete address book facility that allows you to store hundreds of addresses and phone numbers. And, at the touch of a but-ton, you can retrieve any one of them, or search for a specific grouping, such as 'all Italian restaurants'. And, when you are ready to book your table, hold your Portfolio to your telephone mouthpiece and use its special built-in tone dialler to dial the number for you.

### TEXT PROCESSOR

The Portfolio's built-in text processor program

includes word wrap, line and column count, string search, in fact most of the functions you would find in a word processor. It handles printer and word processor control codes and allows easy transfer of files between Portfolio and your desktop PC.

### SPREADSHEET

For real calculating power, Portfolio has a Lotus 1-2-3 compatible spreadsheet built-in. It has 127 columns x 225 rows and reads/writes Lotus V1.0 and V2.01 files, so you can transfer data to and from Lotus 1-2-3 on your desktop PC The Portfolio's 256K ROM includes MS-DOS and PC BIOS compatible systems software





MEMORY CARDS

Portfolio can store and retrieve data and programs from its own RAM, or from small credit card size memory cards, that sloit into its built-in card drive. The cards are available in three sizes, 32K, 64K and 128K, so you can carry a library the Portfolio, so no extra batteries or adaptors are required. of data in your pocket. The card drive also accepts ROM. A "battery-low" warring and memory back-up ensure that cards, which can contain commercial or custom software.



### SILICA **SYSTEMS** OFFER

FREE OVERNIGHT COURIER DELIVERY: On all hardware orders shipped in the UK. FREE OVERNIGHT COURIER DELIVERY: On all hardware orders shipped in the UK.

TECHNICAL SUPPORT HELPLINE: Team of Atari technical experts at your service.

PRICE MATCH: We normally match competitors on a "Same product - Same price" bas

ESTABLISHED 12 YEARS: Proven track record in professional computer sales.

E13M TURNOVER (with 60 staff): Solid and reliable with maintained growth.

BUSINESS/EDUCATION/GOVERNMENT: Volume discounts available for large orders.

SHOWROOMS: Demonstration and training facilities at our London & Sidcup branches.

THE FULL STOCK RANGE: All of your Atari PC requirements from one supplier.

FREE CATALOGUES: Will be mailed to you with offers and software/peripheral details.

PAYMENT: By cash, cheque and all major credit cards.

CREDIT PAYMENT TERMS: Silica are licensed credit brokers - details on request.

Before you decide when to buy your new Atari Portfolio, we suggest you think very carefully about WHERE:

Before you decide when to buy your new Atari Portfolio, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Portfolio, when you may require additional peripherals or software, or help and advice with your new purchase. And, will the company you buy from contact you with details of new Portfolio products? At Silica Systems, we ensure that you will have nothing owry about. Silica Systems is a new division of Silica Shop, the UK's leading Atari specialists. This new division has been established to provide a service to the more serious home user, as well as to business and education purchasers. Silica have been established for over 12 years, and have an annual turnover of £13 million. With our unrivalled experience and expertise, we can now claim to meet our customers requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now, for our latest Free literature and begin to experience the "Silica Systems Service".



MAIL ORDER: Order Lines Open:	Mon-Sat	1-4 The Mews,	Hatherley Rd,	Sidcup, Kent,	DA14 4DX	Tel: 081-309 1111 No: 081-308 0608
LONDON SHOP: Opening Hours:	Mon-Sat	52 Tottenh 9.30am-6.00pm	am Court Road	I, London, War	1P OBA Bpm Fa:	Tel: 071-580 4000 x No: 071-323 4737
						Tel: 081-302 8811 × No: 081-309 0017
BUSINESS/EDUCATION Order Lines Open:	ON: Mon-Fri	1-4 The Mews, 9.00am-6.00pm	Hatherley Rd, Closed on	Sidcup, Kent,	DA14 4DX Fax	Tel: 081-308 0888 No: 081-308 0608

To: Silica Systems Ltd, DeptATSTR 191-38, 1-4 The Mews, Hatherley Rd, Sidcup, Kent DA14 4DX

### PLEASE SEND INFORMATION ON PORTFOLIO

Mr/Mrs/Ms:	 Initials:	Surname:
Address:	 	

Postcode: .. Tel (Home): ... Tel (Work): .....

Company Name: .....

Which computer(s), if any, do you own? ..... E&OE - Advertised prices and specifications may change - please return the coupon for the latest information.

















# EMPIRE £29.99

# Team Yankee

eam Yankee is described on the packaging blurb as the "definitive action simulation of modern tank warfare" – know what? You'd better believe it! Load this baby into your ST and you won't stop playing until you've wiped out all the Russians and your mother's pulled the plug on the killing and maiming (by pulling the plug on your ST).

Alright, alright, so Team Yankee is yet another slice of the jingoistic nonsense so beloved of the software houses and tabloid 'newspapers'. Trouble is, it's fun and very well programmed.

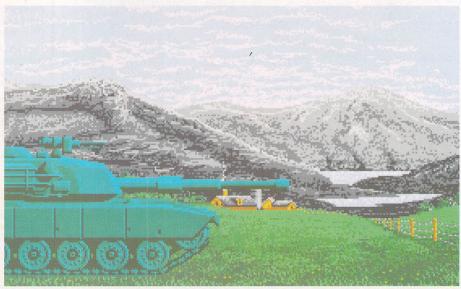
Remember the last strategy/simulation game you bought? The one you had such high hopes for, but when it came to immersing yourself in action, the game's lousy gameplay meant that within five minutes, it was beginning to gather dust at the bottom of your toy box. Not so Team Yankee, which probably has something to do with the fact that the game started life as a number one best selling novel in America. With a pedigree like that, it's pretty hard not to be exciting.

The action begins with a bit of digital sonics which is remarkably calm, not at all the crash and bang build-up to a carnage session that war-gamers have come to know and love. Anyway, traverse the usual loading screens and you're rewarded with a tank recognition class. This is the way to get into the game proper (and provides copy protection...).

Take care in the recce class – tanks in silhouette are not quite what they might appear to be. After a dozen or so tries, you're asked to select a tank commander, provide a name for him or her and report to the battlefield. And now the fun starts...

The aim of the game is to wipe out Yuri Protecknov's crack tank squad currently occupying extremely valuable strategic positions. At your disposal, there are not just one, but four tank platoons armed to the turrets with every kind of ground-to-ground missile and small arm that the Allies can supply. They're hot stuff, these tank platoons, but they take some controlling in order to perform at maximum killing efficiency. That's where you come in.

The screen is initially divided into four 'quadrants' each representing your units. Each of the quadrants displays a superbly-detailed 3D image showing the view of the combat area from each of the units. From these quadrants, you can switch to a map at any time, zoom in on particular details and



Only minutes ago this was a gentle rural scene. Now the peace and quiet of the countryside is shattered by the rumble of tanks and the roar of guns. You'll need to think in terms of strategy if you want to take those pesky Ruskies to the cleaners



Pick the commander that you would like to be, then take control of your units and blast away! Remember, there can only be one victor



The briefing before the first battle. You'll be given the latest intelligence and can begin to plan your tank movements now



Pay attention in the vehicle recce class. You don't want to shoot the wrong tanks, and they can look remarkably similar at times



The quadrant view of four of your own tank platoons. You can keep a close eye on all of the action or zoom in to follow one tank

































generally have a good look around before committing yourself to any movement. The units also have thermal imaging for night-time manoeuvres and a laser targetting system which magnifies and captures the targets brilliantly, resulting in a higher strike rate.

So. Master the controls, scout the maps, then surround and destroy the enemy. If only it was that simple. The computer-controlled Russian opponents play brilliantly and you'll have your work cut out to beat them.

Luckily, before committing yourself and your soldiers to the horrors of all-out tank warfare, there's a practice game with which to hone tank killing skills (denoted by a sitting duck and a shotgun barrel). Choose 'practise', and you're bunged onto the battlefield facing dozens of the enemy, but since they don't shoot back, you can blast 'em to that great battleground in the sky!

On map screens, a variety of pre-set formations enable you to place the units in likely winning positions. You can increase their speed too.

Graphics are excellent. Move the units around the screen and the scenery scrolls super-smoothly, bouncing as you go to provide a firm grip on realistic gameplay. Explosions, burning tanks and other vehicles and buildings such as windmills (with revolving sails), barns and so on are all well drawn, in proportion, and add to the enjoyment.

Sound consists of the usual exploding spot effects, but the machine guns are pretty good, and anyway, you'll be too busy trying to remove yourself and your units from the line of fire to worry about whether a particular explosion actually had the screams of dying soldiers in the background too.

The overriding quality of Team Yankee however, is the depth of gameplay. So many other strategy games require you to invest many hours of learning before you can even start to play, but once into the game, you're left feeling cheated. Often there just isn't enough to justify the effort involved in getting it up and running. Team Yankee is positively dripping with compelling plots – enough to keep you playing for a long, long time.

There's 25 scenarios built-in and a variety of assorted vehicles to keep your interest, but if it all becomes too much, there's always the white flag. That's right! Click the white flag to surrender to the enemy and quit the game. If you do take the easy way out however, I challenge you not to have just one more go before bed time. Impossible, right?

GRAPHICS 86%
SOUND 75%
GAMEPLAY 83%
OVERALL 85%
REVIEWER DENNIS



A deadly stream of bullets from your machine gun. Anything in your sights is history



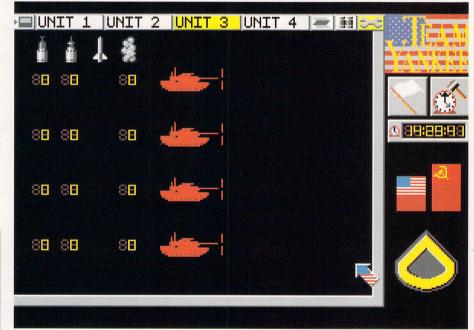
Overview of the battle zone. Watch the enemy's tank movements. Strategy is everything



The thermal imaging camera. A useful feature for accurate night-time fighting



That's one less Russian tank to watch for. But you can't rest now. Are you sure that you know what's behind you? Ivan and Stanislav, his nasty comrades, can't be too far away. To win this game, you'll need to plan ahead – pure luck just won't see you through it



That's it. You've lost your whole platoon. What kind of a commander do you call yourself? You'll have to do a lot better next time or you'll never make Field Marshal. But then, you can always try again with one of the other scenarios – there are 25 to choose from

















Atari 520 STFM Discovery Pack £269.95 MAIL ORDER

# SOFTSELLERS

MAIL ORDER Atari 520 STE Power Pack £349.95



# 6 BOND STREET, IPSWICH, SUFFOLK 104 1JE

VISA

5A DOG'S HEAD STREET, IPSWICH, SUFFOLK (RETAIL)

MAIL ORDER PURCHASE LINE (0473) 257158/210605 FAX NO. (	. 0473 213457
---	---------------

th Dimension		*Epic		Manic Mansions		Spy Who Loved Me	
didas Champ Tie Break	16.99	*E-Swat		Matrix Marauders		Starflight	16
didas Championship Football	16.99	*Escape from Colditz	16.99	*Mean Street		*Star Trek 5	24
lcatraz	16.99	Escape from the Planet of Robot		Midwinter		*Street Fighting Man	13
pha Waves	16.99	Monsters	13.99	Moon Blaster	16.99	*Strider II	10
mnios		Falcon Mission II	13.99	Monty Python	13.99	*Stun Runner	10
archy	13.99	*Flash Dragon	13.99	*Muds	16.99	*Silver Blades	
ncient Art of War		F29 Retaliator	16.99	Murder	16.99	Shadow of the Beast	
incient Art of War At Sea		F19 Stealth Fighter	19.99	Murder in Space	16.99	Snow Strike	
quaventura		F16 Combat Pilot		*Mystical		*Steven Hendry Championship Sno	
mourgeddon		Falcon		*Myth		Storm Across Europe	
TF II		*First Contact		*Navy Seals		Super Cars	
tomic Robokid		*Final Battle		*Narc			
omics		*Finale (comp)		Nebulus II		Supremacy	
		*Flight of Intruder		New York Warrior		Sim City	
vesome				Night Breed		*ST Dragon	
lack to Future III		Flippit Magnose		*Night Shift		Subbuteo	
ad Blood		Flood		Nitro		*Super League Manager	
ad Lands		*Football Simulator				*Survivor	15
larbarian II (Psygnosis)		*Ford Q8 Rally		North and South		*Sword of Samuari	16
lards Tale III		*Full Blast		Nuclear War		*Team Suzuki	16
at	16.99	*Future Basketball		*Obitus		Team Yankee	19
tman (The Movie)	13.99	Gold of the Aztecs		*Omnicrom Conspiracy		*Teenage Turtles	
ttlechess	16.99	*Golden Axe		Op Stealth		Tennis Cup	
lattle Command	16.99	Gremlins II	16.99	*Operation Harrier		*The Plague	
ttle Master	19.99	*Guns & Butter	19.99	Operation Thunderbolt		TNT	
ttle of Britain	19.99	*Halls of Montezuma	16.99	Oriental Games	15.99	*Torvak the Warrior	
letrayal		Hammer Fist	16.99	*Outboard	16.99	*Toyatta Celicia	
lilly the Kid		*Hard Driving II		*Panic Station	13.99		
ack Tiger		Harley Davidson		*Panig	16.99	*TV Sports Baseball	
Blade Warrior		*Harpoon		Paradroid 90		TV Sports Football	
mber		Heroes (Comp)		Photon Storm		Triad III or IV (compilation)	
		*Heroes Quest		Pinball Majic		*The Keep	
Buck Rogers		Hollywood Collection		Planet Busters		Theme Park	
S Jane Seymour				Police Quest II		Thunder Strike	1
abal		Hound of Shadow				Time Machine	1
daver		Hot Rod		Player Manager		*Toki	1
ptive		*Hunt for Red October		*Plotting		*Total Recall	1
Carthage	15.99	*Immortal		*Pop Up		*Tournament Golf	
Challengers	19.99	Imperium		*Powermonger		*Turbo Buggies	
nampion of Raj	16.99	*Indy 500		Powerpack (Comp)		Tusker	
aos/Dungeon Master	19.99	*Interceptor	16.99	*Predator II		*Twilight	
ase HQ		*International 3D Tennis	16.99	Projectile	16.99	*TV Sports Basketball	
Chase HQ II		*International Championship Wrestlin	g16.99	Pyramax	13.99		
ness Champion 2175		International Soccer Challenge	16.99	*Railroad Tycoon	16.99	*The Gales	
hess Simulator		Iron Man		Rainbow Islands	13.99	Ultimate Golf	
uck Yeagers A.F.T		Italy 1990		*Rally		*Ultimate Ride	
		*It Came From The Desert		*Ramrod		Universe III	
odename Iceman		Ivanhoe		*Reach for the Sky		Untouchables	
Colonels Bequest		*Judge Dredd		Resolution 101		*UMS II	1
mbo Racer				Red Storm Rising		Ultima V	
nquerer		Kick Off Extra Time		The state of the s		*Up & Away	
onquest Camelot		Kick Off II		Rick Dangerous II		*Vaxine	
orporation	16.99	Kick Off II World Cup Edition		*Riders of Rohan		*Vendetta	
utipo	16.99	Klax		*Robo Cop II		Venus Fly Trap	
rimewave	16.99	Killing Game Show	16.99	*Rocky Horror Show		*Voodoo Nightmare	
ruise for a Corpse	16.99	Last Ninja II	16.99	*Rogue Trooper			
mocles		*Last Stuntman	12.99	*Rotator	16.99	*War Jeep	
ys of Thunder		*Learing Terramis	13.99	Rotox	16.99	*War Monger	
eath Trap		*Legend Billy Boulder		Rourkes Drift	16.99	Warhead	
efender of the Earth		Legend of Faerghail		*Search for the King		*Walker	
lick Tracy		Leisure Suit Larry III		*Secrets of Monkey Island		Wheels of Fire	
		*Lemmings		*Secrets of Luftwaffe		*Wildfire	
agon Flight		*Life & Death		S.E.U.C.K.		*Weltris	
agons Breath				Secret Agent Flies By		*Wings	
ragon War		*Light Corridor		*Shadow Sorcerer		*WLF	
ngeon Master Editor		*Line of Fire				*Wolfpack	
akken		*9 Lives		Shadow Warriors		*Wonderland	
ragons Lair II	34.99	Lost Patrol		*Silkworm IV			
Ouster	16.99	Loom		*Simulcra		*World Championship Soccer	
ynamic Debugger		*Lords of Chaos	16.99	*Skate or Die	16.99	World Cup Soccer 90	
nasty Wars		Lotus Turbo		*Skull & Crossbones	13.99	*Wrath of the Demon	
agle Rider		*M1 Tank Platoon		Sly Spy		Xenomorph	
stacy		Magic Fly		*Soccer Mania		*Yolanda	
	10.99					*Zone Warrior	
fition 1 (Comp)		Magician	16 00	*Speedball II	16 44	ZUITE VVAITIUI	*********

### MAIL ORDER PURCHASE LINE (0473) 257158/210605 FAX NO. 0473 213457

### ATARI 520 STFM DISCOVERY PACK

Bombjack, Carrier Command, Outrun, Space Harrier, STOS, Neochrome, First Basic, ST Tour, Discover the ST £269.95

# ATARI 520 STE

### **Turbo Pack**

STOS, Basic, Music Maker II, Hyperpaint II, Indiana Jones, Impossible Mission II, Human Killing Machine, Supercycle.
Outrun, Dragons Breath, Anarchy, Bloodmoney.

2349.95

### **ATARI 1040 STE EXTRA**

Prince, Hyperpaint, STAC, ST World, ST Base, ST Calc, ST Graph

### ATARI LYNX HANDHELD

Portable Games Machine California Games £179.95

### ATARI SM124

Monochrome Monitor £99.95

### PHILIPS 8833

Colour Stereo Monitor £249.95

### ATARI EXTERNAL DRIVE

1 Megabyte DS **£79.95** 

# DISC BOXES WITH DISCS

3.5" 40 Holder	Lockable with discs	£11 QQ
3.5" 40 Holder		.L11.33
	discs	£15.99
3.5" 40 Holder	Lockable with	
40 3.5" dsdd	discs	£27.99
3.5" 80 Holder		
	discs	£13.99
3.5" 80 Holder		
	discs	£29.99
3.5" 80 Holder		040.00
80 3.5" dsdd	discs	£49.99

## **JOYSTICKS**

Cheetah 125	£7.99
Cheetah Starprobe	£11.99
Pro 5000 Extra Glo Green	£13.99
Pro 5000 Extra Glo Red	£13.99
Pro 5000 Black	£11.99
QS Turbo III	£9.99

### **PERIPHERALS**

£29.95
£5.95
£4.95
£5.95
£4.95

### DISCS

Qty 10 Qty 20 Qty 50 Qty 100

3.5" dsdd Unbranded £6.99 £11.99 £29.99 £49.99

3.5" dsdd Sony Branded £11.99 £22.99 £54.99 £99.99

### **DISC BOXES**

99
99
99
99

## AMIGA 500 STANDARD

£339.95

### AMIGA 500 SCREEN GEMS

Back to the Future II, Days of Thunder, Shadow of the Beast II, Night Breed, Deluxe Paint II £369.95

# AMIGA 500 FLIGHT OF FANTASY

F29 Retaliator, Rainbow Islands, E.F.T. P.O.R.M., Deluxe Paint II

## **AMIGA 500**

**CLASS OF 90'S 1st STEPS** 

A501 Expansion Pro-Write 2.5, D Paint II, D Print II, InfoFile, LOGO, Music Mouse, Talking Turtle, BBC Emulator, Box of 10 Discs, Mouse Mat, Resource File, Intro Video, Lets Spell at Home

£549.95

### **COMMODORE 1084S**

Stereo Colour Monitor £249.95

### **AMIGA EXTERNAL DRIVE**

1 Megabyte DS **£69.95** 

### AMIGA EXTERNAL EXPANSION

### **A590 HARD DRIVE**

20 Meg Hard Drive £279.95

CHEQUES AND POSTAL ORDERS PAYABLE TO SOFTSELLERS. POST AND PACKING FREE IN UK. OVERSEAS £1.50 per item. Subject to availability and price change without notice. \*Some titles may not be released at time of going to press. Shop prices may vary, but personal callers can claim advertised discounts on production of cut-off slip.

TITLE		COMP	COST	Name
				Address
				Tel No
Atari				Have you ordered from
Lynx £179.99	TOTAL COST £			ST

Jame
Address
el No.
lave you ordered from us before Yes 🗆 No 🗆

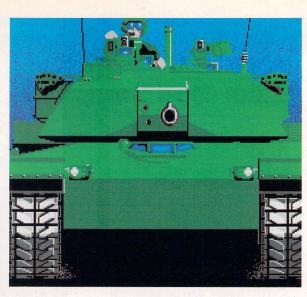
ST USER JAN

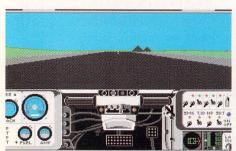
Atari 1040 STE 9449 95

# Mank

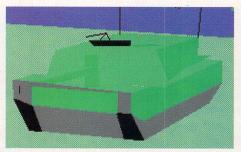
MICROPROSE £29.99

# Platoon





Driving this monster is no mean feat. Making use of the M1's incredible manoeuvrability is a skill no platoon leader should be without



Using the external views, you may take a closer look at the scenery. Just in case you were wondering, this is what one of your tanks looks like



There is a number of weapon systems available. None are as impressive as the 250mm gun. Locate the enemy, train your sights and fire!



From the Commander's position in the turret, you can see all that's going on around you. This is a great help when issuing orders to your team

will fight in your platoon; they range from being poorly trained newcomers to highly skilled commanders.

For those who like to have the advantage, it's possible to fix the platoon's abilities so that every member is extremely capable in one particular aspect of warfare. If you really want ridiculous odds you can even pre-set the enemy's skill level.

The Abrahams M1 tank is equipped with some very devastating firepower. The deadly weaponry at your disposal includes Sabot armour-piercing missiles, heat-seeking missiles, a 120mm main gun, and a turret-mounted machine-gun. Finding the correct range for your weapons can be done manually, although a computer guidance system is available to do all that for you.

You may assign the gunning responsibility to one of your men, freeing you to concentrate on planning and strategy. Alternatively, you can drive the tank. Optimum play can be experienced if you take up each of the various positions for certain periods.

Your M1 does have a number of other intricate facilities at its disposal. These include smoke screens – created either by firing smoke shells or by pumping screening clouds out through your exhaust. The latter option tends to rapidly waste your fuel supply.

To help you in night combat your tank is equipped with an image intensifier which will provide clear views in the dark. Fortunately, your tank also has a series of warning systems so you'll instantly know about incoming missiles, fires in the engine compartment, being low on oil, and the like.

Should you decide to instruct your platoon to separate as part of a strategy, or if your own tank gets knocked out, you may switch to any unit in the platoon and assume control. When

operating a tank, you can view it from whichever position you are controlling within the tank.

Alternatively, you may take a look from the outside. From this outside perspective, you have a view around the tank and the nearby surroundings. This last point is worth bearing in mind as it proves useful for locating the enemy, especially when used in conjunction with the tank's map.

Supporting units come in the form of missile carriers, tanks, armoured vehicles, jeeps, lorries, artillery, infantry, attack jets and attack helicopters. Each have their own strengths and weaknesses which are explained in detail in the comprehensive manual. To optimise your attack results, you will have to utilise your forms of support to their most effective level and understand the enemy's abilities. The map will come in very useful in this respect as enemy positions can be analysed, giving specific details of the armour you have pinpointed.

As an M1 Tank Commander you'll have your work cut out. Microprose have created an excellent simulation that really oozes atmosphere. As for how accurate the game actually is I couldn't say (I've never driven a tank!), suffice it to say that this is one of their finest products to date. If you fancy a game that combines both strategy and warfare, look no further.

		i.	
*	- 44		Ellina.

Your platoon moves cautiously through possible enemy territory. A sharp look-out must be kept for anything out of the ordinary

s we have come to expect from Microprose, their games have great depth and are designed to be experienced over a long period of time – not the sort of game that you finish with after a few hours. M1 Tank Platoon proves to be no exception. With what must have been months of painstaking programming and research, Microprose have produced a very technical and strategic game.

You can assign your platoon to anything from a small skirmish to all-out conventional warfare! The computer generates the characters who GRAPHICS 88%
SOUND 82%
GAMEPLAY 91%
OVERALL 90%
REVIEWER NICK



For more information please call 0268 541 212

THE

£3.99

# **GAME IS HERE!**

NO CLUBS TO JOIN, NO HIDDEN CHARGES, JUST £3.99 A GAME PLUS 50p **POST & PACKING** ALL THE GAMES REALLY ARE JUST £3.99 EACH.

1	0	W	N	AN	1
		-		-	-

ST 🗆

AMIGA |

Please send me:

Qty **GOLDRUNNER ELECTRONIC POOL** 

JUPITER PROBE

KARATE KID PART 2

AIRBALL

**GOLDRUNNER 2** 

LEATHERNECK TETRA QUEST

**MAJOR MOTION** 

SLAYGON ADVENTURE

**TANGLEWOOD ADVENTURE** 

TIME BANDIT

'THE GRAIL' ADVENTURE INTERNATIONAL SOCCER

J.U.G.

ABZOO EDUCATIONAL SOFTWARE

NAME\_

ADDRESS.

POST CODE \_

SEND ME.

at £4.49 (50p p&p)

TOTAL ENCLOSED £

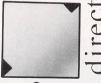
CREDIT CARD TYPE.....

No. \_\_\_\_

EXPIRY DATE \_

Allow 28 days for delivery





software

PO Box 68, St. Austell, PL25 4YB or phone with credit cards









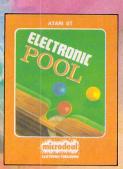
TITLES

726 68020

### ALL FOR ST OR AMIGA



GOLDRUNNER Our top selling shoot em up from Steve Bak and Pete Lyon.



**ELECTRONIC** POOL

Mono or colour version of 'Video Pool' arcade game.



JUPITER PROBE

Vertically scrolling shoot em up by Steve Bak.



KARATE KID PART 2

Our top selling karate game.



### AIRBALL

Over 200 rooms of strategic arcade action, graphics from Pete Lyon!



### **GOLDRUNNER 2**

Sequel to our top selling shoot em up, high speed action packed arcade game.



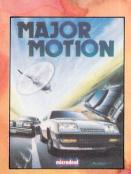
### LEATHERNECK

Reviewed as the best arcade war game, program by Steve Bak.



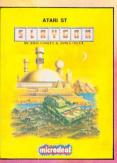
## **TETRA QUEST**

Over 300 screens of arcade strategy.



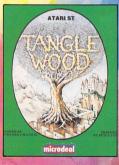
### **MAJOR** MOTION

Spy car chase arcade game.



### SLAYGON **ADVENTURE**

Stop Cyber Dynamics ruling the world in this graphic adventure.



### **TANGLEWOOD ADVENTURE**

Rated as one of the best 16 bit graphic adventures.



### TIME BANDIT

Top selling arcade adventure, the original ST Mega game.



### 'THE GRAIL' **ADVENTURE**

Full size adventure programmed using our Talespin development system.



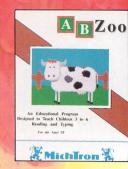
### INTERNATIONAL SOCCER

Soccer action at its best in our own soccer game.



## J.U.G.

Highly rated arcade game with 4 way scrolling.



### **ABZOO EDUCATIONAL** SOFTWARE

Preschool to 8. Helps character recognition and spelling with funny and serious A to Z pictures.

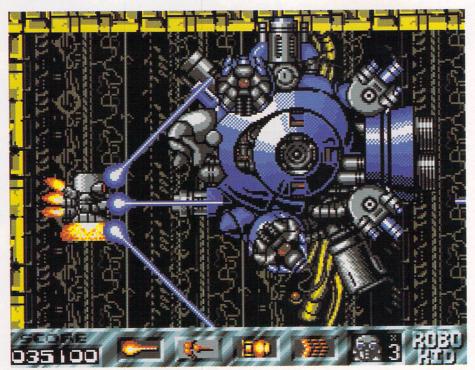
# O 092800 - 10 10 1 3 KURU - 3

ACTIVISION 24.95

# Atomic Robokid



Aliens to the left of him, aliens to the right. The Robokid lets fly with a volley of laser guided shots, as he attempts to battle his way out of this mess. All in a day's work



The end-of-level meanies need to be strategically shot in the correct places. Should you fail to defeat them they will take great pride and pleasure in cornering you and then blasting you to bits



Atomic Robokid, defender of the faith and the game's main man prepares for battle

s Robokid's old ma always used to say, "You won't grow big and strong if you don't eat your Brussels sprouts!" Well, what did she know? After all, she was a mere human; the female assembly worker who breathed the first wave of electricity through Robokid's silicon circuitry. Since that fateful day, some 60 weeks ago, he may not have grown in size, but his mental and physical agility have increased tenfold.

His stunning progress didn't go unnoticed and the powers that be also showed a keen interest in him. So it wasn't too long before the military invited Robokid to attend their special tactical college on the edge of the universe.

It had always been his dream to become an Atomic Robot, fighting fearsome foes in far-out parts, but it never occurred to him that such warriors were trained to be deadly killing machines. Judging Robokid to be made of the 'right stuff' the officials finally gave him the chance to prove himself as one of the elite.

The lessons certainly proved to be tough, more so considering the prejudice from the older students. To the amazement of the senior officials he passed all the tests with flying colours. After the first year's training, the colonel in chief announced that one particular droid had performed particularly well and to his astonishment, it was Robokid who had made the grade. No longer would he be known as Dwayne Droid, from now on he'd be called Atomic Robokid.

Activision's latest venture is a conversion of UPL's original coin-op. The game has been in development for nearly a year now but at last here's the chance to try your hand at one of the most talked about shoot 'em ups for some time. You can forget all about the RoboCops of this world – now's the time for young blood, now's the time for Atomic Robokid.



# 0 045 100 2 3 1111



In between levels you may face a head to head battle with another Robokid



The end-of-level beastie has you cornered

Having graduated with flying colours, Robokid is assigned to the most deadly mission ever faced by one of the corps elite. You control the Atomic Robokid as he battles against the enormous odds. At the beginning of the game, shooting the onslaught of meanies comes naturally. The action begins quite slowly, allowing you to find your feet before facing more tricky foes.

As with all shoot 'em ups today, Atomic Robokid features a wide range of extra addons. These range from basic atomic power-ups to sensational weapon up-grades – on the collection of each new item the game freezes while it explains just what the item is capable of.

The action scrolls in eight challenging directions and the main aim of the game is to survive long enough to meet a huge end-of-level guardian. These monstrous mutations can be located at the end of every third level and usually take up four whole screens! Only with the right weapon, skill and just a little luck will the beastie be sent reeling to its doom.



Atomic Robokid fights his way out of a corner

After he's destroyed the end-of-level creature Robokid takes part in an atomic head to head, in which he'll be given the opportunity to earn even more bonus points by defeating a fellow graduate of the Atomic Roboschool.

The action comes thick and fast as you attempt to complete the 24 levels of the game. The graphical presentation is excellent and fans of the original arcade game will agree that it's a very close conversion. The sound effects are impressive too, nothing out-of this world, but they do accompany the frantic action in characteristic style.

As shoot 'em ups go, Atomic Robokid seems similar to one of Activision's earlier blasters, R-Type. Fans of the popular genre will undoubtedly enjoy the challenge. Newcomers, eager to chance their luck, will find the game both simple enough to understand and easy to get into.

All in all, Atomic Robokid is a superb game. Activision have once again found their form with a game that should quietly creep up the charts, providing everyone with a real treat.



The five-way fire weapon system



Use the laser blaster to blow them away



The three- way fire system can be handy



Missile bombs are the most effective weapon

GRAPHICS	81%
Sound	79%
GAMEPLAY	79%
OVERALL	82%
REVIEWER	NICK



C.G.A., E.G.A., V.G.A., TANDY 16 COLOUR AND AD LIB CARD •

### DREAL YOU CAN THE NO.1 NEW YORK TIMES BESTSELLER

"ROMEO 25 - THIS IS MIKE 77 -SPOT REPORT - 5 T72 TANKS MOVING WEST-GRID 190852 -CONTINUING OVER

Capt. Sean Bannon snapped his head to the left. There was only one place where the Russians could be, and that was on the hill 2200 metres away. All the training, planning and preparations were over. Team Yankee was about to learn if the team's seventy nine men and twenty five million dollars worth of equipment could do what they were supposed to do.

Team Yankee is designed to test your leadership and tactical skills to the quick. You can display. in either "quadrant mode" where all four platoons may be controlled at once

Full-screen Mode where the display homes in on just one platoon.



To the right of the compasses are five icons which represent the various types of weaponry available to the unit.

The major capability on the quadrant map screen is to alter the movement and formation of any platoon. The whole of the map may be viewed at once, or you may zoom into any portion of the battlefield using the icons to the right of the map.

vision to be obscured. TOW - a high-range anti-tank missile 

MI ABRAMS TANK SMOKE DISCHARGES 62mm LOADERS 1500 HP S TURBINE Main Gun Ammo: 55 Rounds Armor: Chobham (steel, ceramics, plastic) Combat Weight: 54.5 metric tons

You have the flexibility to display either an overhead map view of the surrounding area, a simulated 3-d view of the battlefield, or a status screen showing the performance of all vehicles in a platoon. Irrespective of which screen mode you choose during battle, there is a constant column of information to the right of the screen.

MACHINE GUN - which is always available to the player and has an 'infinite' number of rounds. SMOKE - a smoke grenade which allows enemy

HEAT - a high explosive anti-tank round SABOT - an armor-piercing tungsten shell

display. Defend Hill 214 from Yuri Potecknov's crack tank platoons, attack Objective Link through sniper fire from forests, protect the Langen Gap from an entire Soviet tank battalion at night!

> Five major scenarios based on the battles featured in the **New York Times** No. 1 best seller Team Yankee.

Tem Yankes Presidio Press, 1987, Software 1990 Oxford Digital Enterprises, All rights reserved IBM is a trademark of International Business Machines Inc. Gommodore Electronic Inc. Atta and ST are trademarks of Attan corp. Team Yankee, The Novel was written by Harold Coyle Made in the UK.



Scroll icon: The four arrows underneath the ETA display allow you to scroll your map in any of the four directions.

Team Yankee is

the definitive action

tank warfare. Watch

scenarios unfold on

definition graphics and keep

track of the four tank platoons you

control using the unique 4 quadrant

Dead Stop icon. This red icon, causes your dead halt when clicked.

simulation of modern 3D battlefields with high Zoom. When this Infra red (or thermal) imaging This feature icon is accessed is very useful for identifying vehicles camouflaged on the edge of forests

the central portion Contary to popular finder will lock on to a reflective

belief the thermal image is green and

In line - places Echelon right your vehicles in places your a line abreast vehicles on a left relative to your to right diagonal direction. relative to your

direction. Column - places your vehicles in a line ahead relative to your direction.

platoon to 100 metres. Narrow formation icon. This reduces the intervehicle spacing in your platoon to 50 metres. Vee, a vee formation

Echelon left - places your vehicles on a right to left diagonal relative to your direction.

Engine smoke This

YOUCANSMELLTHESMOKE

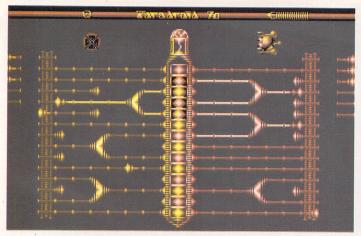
will prove very useful in confusing your enemy if you find yourself in a tight corner Rotation icon and compass display

> of the screen is magnified by a factor of 10. Laser range finder. The range

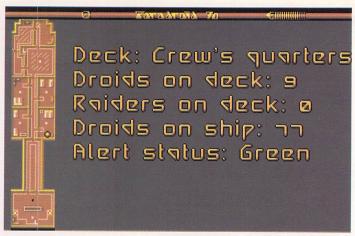
target if the firing cursor is placed directly over the object. Wide formation icon. This increases the spacing petween vehicles in your

Wedge - places your vehicles in a wedge formation.

4 The Stannetts, Laindon North Trade Centre, Basildon, Essex, SS15 6DJ. (0268) 541126



This is your internal circuitry connected to that of the enemy droid. It will end up powering a pocket calculator if you fail in your mission. Use electrical charges to change most of the circuitry to your colour



By latching onto the various computer terminals found throughout the ship, the answers to life, the universe and anything else will be revealed. Move from level to level by using the phrase 'Beam me up Scotty'

# Paradroid 90

ACTIVISION £24.99

aradroid 90 is a futuristic space battle. But if you are expecting hyperpowerful, laser-spitting spacecraft flying around the universe, bidding to outdo an equally powerful, invading alien force, then you're in for a shock. The scenario you encounter when you turn on your disk-drive is one made up of mutineering anarchic mechanical droids.

Out in space, a fleet of space freighters has fallen foul of these metal menaces. These once obedient automated assets have inexplicably activated themselves, killed the skeleton human crew and taken control of the vessels.

The Federation, realising the danger, have forbidden anyone to board the ships, but instead, have authorised the use of small self-powered Influence Droids (IDs) in an effort to calm the situation.

You play the role of one of these little R2D2 type droids and are expected to regain control. As each ship costs a staggering 150 million zucks, failure will result in your body's circuitry powering the insides of a pocket caculator. There are two ways to alleviate the problem – either blow the mutineers into another dimension with your plasma-gun, or try to take control of the other droids' circuits, by pitting your expertise of electronics against theirs.

To do this, you need to latch onto the droid in question by firing a bolt of electricity at it. If you are successful, the screen will change to one which depicts an array of wires attached to a central column. These represent the circuits of both yourself and the enemy. You will both be allocated a limited amount of electrical charges and the battle begins.

Working against the other droid and the clock, you need to get the majority of the cables which are attached to the central column changed to your colour, by firing a charge through them. The skill lies in how you make

use of the splitters (which branch the power out into two paths), joiners (where two inputs meet), auto-pulsers (power producing units) and colour switchers (which will convert your opponent's colours back to yours).

If you are able to change more cables to your colour than your enemy changes to his, you will take control of his systems. Having achieved this transfer, the droid will become an ally and a formidable champion of your cause.

On every level of the ship, you will come across generators. Some of these will enhance your power, however some of these will deplete it – which could cause you to implode and lose one of your lives.

To get between levels, you need to make use of the transporter. When you enter it, a floorplan of the ship will be shown. Say the magic words "beam me up Scotty" and you will materialise in your chosen level, ready once again to run amok amongst the tin-pot targets.

Every so often you will see computer terminals. By using the knowledge picked up while watching Star Wars, you can access it to find out what the state of play is and the number of converted droids under your control.

Paradroid 90 is not going to get you queueing up outside your local shop in an effort to be the first to play it. Although the game is fast moving and benefits from smooth scrolling, the game-play could have been a little more creative and adventurous. The sprites and the battle zone, which are viewed from above, are well detailed but they are boring.

If you are one of the people who have spent this year's Christmas money on a new Atari STE, and want to see what the new colour palette is capable of, then Paradroid isn't for you. It seems that when this floating Armada was commissioned, they had limited paint colours, all of which were dreary and dull.

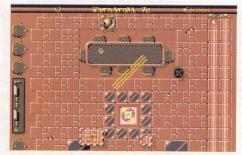
GRAPHICS 75%
SOUND 57%
GAMEPLAY 70%
OVERALL 73%
REVIEWER MIKE



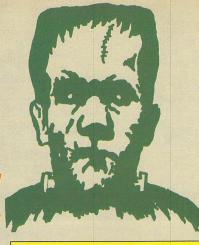
As a droid you'll find that each level has its share of enemy creatures to overcome. All your concentration will be needed to get through



The spaceship which is the scene of all the action. Little would you suspect what action and mayhem are waiting for you inside



The droid has to defeat the metal menaces once again. Pretty dangerous stuff eh? If this goes on, your energy supplies will be really low



# Frank and Stein says 'Look at these electrifying disk prices'

### 3.5" DS-DD DISKS WITH DELUXE STORAGE BOXES

35 3.5" DS-DD 135	TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX£21.95
	TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX£27.95
	TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX£32.95
	TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX£38.95
	TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX£42.95

100 3.5" DS-DD 135 TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX.......£49.95 150 3.5" DS-DD 135 TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX.......£69.95 200 3.5" DS-DD 135 TPI WITH 100 CAPACITY LOCKABLE STORAGE BOX.......£79.95

OUR 3.5" DISCS ARE <u>VERY CAREFULLY SELECTED</u> TO GIVE YOU 100% ERROR FREE PERFORMANCE. EACH DISC IS OFFERED WITH OUR 100% MONEY BACK GUARANTEE AND IS SUPPLIED WITH LABELS

### **ACCESSORIES**



250 capacity lockable stackable box

only .....£19.95

Deluxe 100 capacity

3.5" box....£7.95

Atari replacement drive (inc external power supply) ......£59.95

Atari replacement mouse .....£19.95

Head cleaners £2.95

Neoprene Mouse Mat .....£2.95

1000 3.5" Labels .....£12.95

### PRICE & QUALITY GUARANTEE

MD Office Supplies prides itself on offering the highest quality product at the best possible prices. In the unlikely event you should ever see a comparable product offered cheaper DO NOT HESITATE, give us a call because we will not match it

WE WILL BEAT THAT
PRICE
WE ABSOLUTELY
GUARANTEE IT

### LOW LOW PRICES FOR BULK BUYERS

For all you large users we have some <u>unbeatable</u> BULK RATES ON OUR SUPERB DS-DD 3.5 DISCS

400 DS DD 135 tpi	£155.00
500 DS DD 135 tpi	£170.00
600 DS DD 188 tpi	
800 DS DD 188 tpi	
1000 DS DD 135 tpi	

AS ALWAYS LIFETIME
GUARANTEED UNQUESTIONABLE
RELIABILITY. EACH DISC IS
SUPPLIED WITH LABEL.

### SONY DISC OFFER

We have very limited supplies of **GENUINE SONY BULK DISKETTES** at give away prices. These diskettes come in Sony outers to prove authenticity this is the real thing. Please guote Sony offer when ordering.

100 genuine Sony diskettes	DS-DD	135 tpi	£44.95
200 genuine Sony diskettes			
400 genuine Sony diskettes			
800 genuine Sony diskettes			



This offer must end soon Hurry

Hurry

With every 100 Sony discs why not buy a deluxe 100 box at only £2.99 1 box per 100 discs (Max 2 per person)





### M.D. OFFICE SUPPLIES

18 CRESCENT WAY, FARNBOROUGH, KENT BR6 9LS

TELESALES HOTLINE: 0689-861400

All prices include VAT and delivery UK only. E/OE



**Education Orders Welcome** 

### BYTEBAC



**CLASS SERVICE BY FIRST CLASS POST** 



### DELIVERY SERVICE

. . . and the keenest prices

### Ring us now! 0636 79097 we're programmed to help

### NUMBER ONE FOR ATARI ST USERS Adidas Champ. Football... Adv. Tactical Fighter II..... Armour-Geddon ..... BAT (+ Sound Card).....24.99 Atomic Robokid......17.99 Battlemaster... Battle of Britain.... Blade Warrior 16.99 BSS Jane Seymour 16.99 Cadaver ..... Corporation 16.99 Days of Thunder 15.99 Days of I hunder 15.99 Dragon's Breath 17.99 Dragonflight 18.99 Dungeon Master 16.99 Final Battle 15.99 Fire and Forget II 15.99 F16 Falcon 17.99 "Mission Disk 2 15.99 F19 Stealth Eighter 19.99 Immortal Int. Soccer Challenge James Pond Kick Off 2 .13.99 KICK OT 2... KIIIing Game Show. Kings Quest 4 Leisure Suit Larry 3... Light Corridor Loom. Logit Corridor Loot Patrol Lotus Esprit Turbo Challenge Matrix Marauders Monty Python Murder M1 Tank Pleton 22 99 Tank Platoon Night Breed (Action)......16.99

FREE-One Public Domain disk with every game ordered from this column!  Pick from the list opposite
Night Breed (Adventure)   16.98
Teenage Mutant Hero Turtles16.99
Time Machine         16.95           Treasure Trap         15.95           Torvak The Warrior         16.95           Turrican         15.95           UMS 2         19.95           Universe 3         17.95           UN Squadron         16.95           Warhead         17.96           **!tems not released will be sent as soon as available

	FIR
SALE ★ SALE ★ SA Bards Tale 1 Batman: Caped Crusader Blasteroids Bloodwych Colossus Chess X Deluxe Strip Poker Centrefold Squares Gravity Hard Drivin' + 10 Disks	5.99 9.99 9.99 9.99 9.99
Deluxe Strip Poker PLUS Centrefold Squares	15.99
Hollywood Poker Pro Kid Gloves + Cloud Kingdoms Pacmania Rick Dangerous Steve Davis Snooker Conflict in Europe Trivia Trove X-Out	7.99 9.99 7.99 7.99
Classic INFOCOM Adventures! Hitchhikers Guide to the Galaxy. Planetfall Leather Goddesses of Phobos. Ballyhoo Spellbreaker Moonmist. Wishbringer Hollywood Hi-Jinks. Zork I.	8.99 8.99 8.99 8.99 8.99 8.99
DISKS -100% Guaran	teed
SONY bulk disks with labels! 10 disks	29.99
SONY Boxed with labels! Box of 10 Box of 10 x 5 Box of 10 x 10	47.99
Box of 10 Box of 10 x 5 Box of 10 x 10  COMPILATIONS OI	47.99 89.99
Box of 10 Box of 10 x 5 Box of 10 x 10  COMPILATIONS OI  SPORTING GOLD Games Winter Edition, Games Summe Edition Cames Suitervia Gongo	47.99 89.99 NLY! 19.99
Box of 10 × 5 Box of 10 × 5 Box of 10 × 5 Box of 10 × 10  COMPILATIONS  OI  SPORTING GOLD.  Games Winter Edition, Games Summe Edition, California Games HOLLYWOOD COLLECTION HOLLYWOOD COLLECTION Bobstbusters II, Robocop, Batman The	47.99 89.99 NLYI 19.99
Box of 10 Box of 10 x 5 Box of 10 x 10  COMPILATIONS  SPORTING GOLD.  Games Winter Edition, Games Summe Edition, California Games  HOLLYWOOD COLLECTION Ghostbusters II, Robocop, Batman The Indiana Jones  PLATINUM  Ghouls and Ghosts, Strider, Black Tige	47.99 89.99 NLYL 19.99 er 19.99 e Movie, 17.99 er,
Box of 10 Box of 10 x 5 Box of 10 x 5 Box of 10 x 10  COMPILATIONS  SPORTING GOLD Games Winter Edition, Games Summe Edition, California Games HOLLYWOOD COLLECTION Ghostbusters II, Robocop, Batman The Indiana Jones PLATINUM Ghouls and Ghosts, Strider, Black Tige	47.99 89.99 19.99 e Movie, 17.99 eh, Lom-
Box of 10 x 5. Box of 10 x 10.  COMPILATIONS  SPORTING GOLD. Games Winter Edition, Games Summe Edition, California Games HOLLYWOOD COLLECTION. Ghostbusters II, Robocop, Batman The Indiana Jones PLATINUM. Should be a fine of the control of the con	
Box of 10 x 5. Box of 10 x 10.  COMPILATIONS  SPORTING GOLD.  Games Winter Edition, Games Summe Edition, California Games HOLLYWOOD COLLECTION.  Ghostbusters II, Robocop, Batman The Indiana Jones PLATINUM.  Ghostiousters II, Robocop, Batman The Indiana Jones PLATINUM.  Ghouls and Ghosts, Strider, Black Tige Forgotten Worlds POWER PACK Xenon II, Tv Sports Football, Bloodwyc bard RAC Rally.  ALL TIME FAVOURITES. Test Drive, Hard Ball, Mean 18 + Famo Course disk (Vol. 1 and 2)  THRILL TIME (8 GAMES!).  Buggy Boy, Space Harrier, Live and Die, Thundercats, Battleships, Ikari Warriors, Beyond the Ice Palac Bombjack  FLIGHT COMMAND.  Lancaster, Eliminator, Skyfox, Strike Fo	47.9919.99 e Movie,17.99 eh, Lom19.99 i Let cee,18.99

FIRS	ST CLASS SERVICE BY
	PRINTERS   Star LC10
8.99 8.99 8.99 8.99 8.99 8.99 8.99 8.99 8.99 8.99	ART & MUSIC ONLY!  CAD 3D (1)
9.99 .47.99 .89.99 LY! .19.99 Movie,	Devpac ST (2)
.17.99 , Lom- .19.99	ACCESSORIES         ONLY!           Locking Disk Box (40+)         7.99           Locking Disk Box (80+)         9.99           Media Box (Holds 150+)         19.90
6.99 Let 	FURRY MOUSE COVER
24.99	+ FREE Mouse Mat + FREE Mouse Bracket

GST C Compiler Home Accounts Mini Office Spreadsheet Mini Office Communications Mini Office Graphics Neodesk 3 Protext (5) Word Writer Mavis Beacon Typing Tutor	19.99 15.99 15.99 27.99 109.99 34.99
ACCESSORIES 0	NLY!
Locking Disk Box (40+) Locking Disk Box (80+) Media Box (Holds 150+)	7.99 9.99 19.90
FURRY MOUSE COVER(with eyes, ears and nose!)	6.99
Mouse Mat (BEST Quality)	19.99
NAKSHA MOUSE + FREE Mouse Mat + FREE Mouse Bracket	29.99
inge of 16 Bit softwa	re

JOYSTICKS	
Joystick & Mouse extension	4.99
Joystick lead - 3 metres!	4.99
Quickshot III Turbo	9.99
Quickjoy III SuperchargerQuickjoy Jetfighter	11.99
Quickjoy Jetfighter	12.99
Cruiser (Mulicolour)	13 99
Competition Pro Extra	15.99
Arcade Joystick	16.99

### **PUBLIC DOMAIN**

NEW LOW PRICES 1 disk = £1.99, 5 disks = £8.99 10 discs + file box = £15.99
Ask for our NEW catalogue!

Tien for our filett outdiogue.
BG.55. Froggy; (Frogger). Caves of Rigel Original maze type arcade. BG.56. Cribbage, Checkers, Joust. BG.57. Dungeon Master; NEW dungeon! Needs original program to run BG.58. Soko; 50 level puzzle game BG.59. Bubble Trouble; Pacman style plus: Jumpster; Q-Bert version BG.64. ST-Umped; Cricket simulator BG.62. Millipede; Arcade classic MG.05. Mars Maze; excellent STOS produced platform game MG.08. Star Trek - Next Generation
DA.01. 60+ Adventure game solutions!

DA.02. 60+ Adventure game solutions!
BS.20. NASA Space Mission slideshow BS.21. X-Cert. Spectrum 512 Show BU.58. File Selector, Desk Manager, Disk
copier, Virus Killer.  BU.64. Fractal Landscape generator, and

Explorer, Mandlebrot Show BU.66. Horoscope generator! + Zener BU.59. ZX81 Emulator; including 38 program files! Uses the original keyword entry system! Great fun!
BU.61. ZX81 programs; Over 100 files to run with the ZX81 emulator!
MU.13. F-Copy III; Superior Copier!

SO.02. Composer; enter notes from computer or Midi keyboards! SO.03. 16 Voice synthesiser with multi voice recording!

BC.13. Clip Art - Foodstuffs etc	•
BC.16. Clip Art - Viz Magazine	
BC.17. Clip Art - Garfield Pics	
BC.18. Clip Art - Beano Pictures	
BC.20. Clip Art - Boys and Girls (DS)	
BC.21. Clip Art - Occasions (DS)	
BD 33 STE Demo: See what your STE	

BD.33. STE Demo; See what your STE is capable of and be amazed MD.32. 2 Stunning STE demos BD.34. What the Butler Saw; Demo

# BD.34. What the Butler Saw; Demo TOP 10 - PD Favourites BG.01. Monopoly, Chess, Backgammon BG.20. Dungeon Master - Help Disk BG.27. Strip Breakout! BE.02. Kids Music, Kids Piano BE.03. Kids ABC, Kids Story BE.05. On Screen Colouring Book! MD.15. Snowman - Digitised demo BU.01. Neochrome - Art Package BU.07. ST Writer Elite - Word Pro BU.57. ANI-ST (was Aegis Animator)

BUJGIE Licenceware
BUG.31. Inferno; Boulderdash copy
BUG.33. Crystal Caverns; Platform game
+ Happy Puzzler; Title puzzle
BUG.34. Safe as Houses; Monopoly!
BUG.35. Hostile reception; Arcade game
with Xenon II style graphics!
BUG.37. Mr Dig and Tank Battle
PRO.02. Programmers 68000 Library

The above is just a small selection of our VAST range . Catalogue available! All prices include VAT and FIRST CLASS POST! All stock items sent by return post



KÍNGS QUEST TRIPLE .....

Kings Quest I, II and III

Cheque, postal orders or credit card facilities are available





# tipoff

Stuck somewhere east of the screens with a bowl in your hands? At last! Here is the rest of our solution to Kings Quest.

o put an end to your misery, here is the concluding part of Kings Quest... Travelling south, you'll meet up with a friendly elf who will give you a magic ring, which makes you invisible. As you can use its power only once, it's something which you'd better not waste.

Go northwards one screen, east through two and north again to a cottage. Find the door and go in. Sitting round a table is a woodcutter and his wife, give them the bowl and type 'FILL'. The bowl will now fill up with piping-hot stew.

The woodcutter will be so pleased that he will give you his one and only possession – an old fiddle. Take it and leave. Turn and go south, swim across the lake, then keep going and eventually the witch's house will appear. Go to the door and enter. Once inside make your way to the bedroom and wait.

Eventually, the witch will come home. When she is over the stove, sneak up behind her and push her inside it. Look inside the cabinet and take the cheese, then leave the house.

You're nearly finished now, so go west and south and you will be back at the entrance to the cave. Here a big bird, which up until now has been flying high in the sky, now decides to fly just above head height. Move to the bottom/middle of the screen and jump. The bird should catch you in its claws (if it doesn't, just keep on jumping until you are

successful). The bird will then fly off and carry you to a small island, where it will drop you. Ignore the hole for now, instead travel west. Soon you will see some mushrooms, take them and return to the hole.

Enter the hole, and after falling to the bottom follow the tunnel south till you reach the end, then turn and go west. As you move west, you will become aware of a big, hungry rat, throw it the cheese to satisfy its hunger and it will then leave.

Walk to the door, open it, and go west. On the other side of the door is a leprechaun, show him your four-leaf clover and continue past him. Go south and you will meet the King of the Leprechauns, play the fiddle to him and his audience which will result in everbody starting to dance. Soon they will all leave, but the king will forget his sceptre so take it. Next to the throne you'll find the Magic Shield, so take that as well.

Go west to the stairs and ascend. At the top, go west again and when you reach the little hole, eat the mushroom. You'll find that just like Alice in Wonderland, you'll shrink, allowing you to enter the hole. When you reappear you'll be in familiar surroundings. After growing back to normal size, go back to the castle, which you'll find if you travel north through two screens then east. Cross the bridge, open the door and enter the castle.

Follow the hall and you will come to the throne room. As the king thanks you for



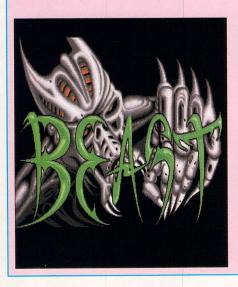
Your Fairy Godmother will grant you wishes and help you on your way



Getting over this bridge is vital, but be warned - it's not as easy as it looks

helping him, he promptly suffers a heart-attack and dies. All that's left is for you to take over the throne and don the crown. Well, congratulations! The game is now over. It wasn't really all that hard, was it?

### SIZZLING STUFF



Hot off the press from A Scott of Skidby, North Humberside comes an real cracker to help you get through **The Shadow of the Beast**. If you press Return, then F5 you'll be rewarded with extra lives to get you through the tricky bits

Viking Child: If you want to re-start from different levels, then when the code screen appears type in one of the following: Level 3 type DENISE<E>, Level 4 Type THE BLIZ, Level 6 – SHARKMAN, Level 7 then NYMHARSW should help you, and finally when one of the end level nasties asks you a question, simply type in VALHALLA. Thanks to Gareth Llewellyn of Watford for his help on this brilliant platform game.

If you have Ocean's **Ivanhoe** and would like to see how it ends, then load up the game, and die straight away. On the next screen type 'J.C. is the best'. Now all you

need to do is press N to go to the next level, press , for another life. Hitting 'Delete' will do just that and delete any surrounding enemies, and lastly 'F10' will allow you to skip past the end monsters.

Rainbow Arts' **Rock 'n Roll** is advertised as having 32 giant levels. Well, there happens to be a 33rd hidden away in its depths. On level one, find the 'one way' arrows in the top of the second section. Follow them round and you will come across some road repair kits. Pass all these (or pick them up for use later) and there will be another road repair kit, with a hole behind it. (Usually you will have run out of money before you get to this point, so you would generally ignore this). Roll over the kit and fall into the hole. You will now be transported into the secret 33rd level. Stunning stuff eh? Remember, you saw it here first, so tell your friends!

## PUT IT ON THE AGENDA



0 R G Δ N I S R F Z A X 0 P A N K T Q S J G B K C D 0 H E K U B Z A N Q U K S F D N D B G Z Q D S D Y Z A R 0 H R 0 R T E G F X B 0 Q C A D

he great thing about pocket computers is that you can keep them with you all the time. The trouble with them is that it's frustratingly slow to enter text on tiny keyboards.

The AgendA overcomes this brilliantly. Not only does it have all the keys you'd expect on a computer (a-z typing keys, numeric keypad, function etc), but there's also the amazing rapid text entry Microwriting keys, and it only takes one hour to learn to use it! So, you can touch-type while holding the AgendA in one hand and entering text with the other.

The AgendA is consistently coming out on top in independent reviews. It has a unique free-form database (with real time searching, auto-save and other innovations). It comes with diary, alarms and calculator and is a truly effective and powerful word processor as well. Above all, the AgendA is very easy to use.

And now, with the launch of the Atari ST Communications Pack, you can easily send files to and from your ST and AgendA. You can backup onto your ST and restore into your AgendA, and search and review the AgendA files on disk. You can even use the AgendA as an interactive keyboard linked to your ST.

This special competition offer includes a 32K RAM AgendA with built-in rechargeable batteries, charger/mains adaptor AND the new Atari ST Comms Pack including cable. In addition, readers can win this hand-held computer complete with an executive leather case. The whole package would normally cost £260.

### **ENTER HERE**

All you have to do to win one of these British Design Award winning computers is to find five words relating to the AgendA in the word square below.

Write the five words on a postcard with your name and address and send it to: Agenda File, ATAR! ST USER Europa House, Adlington Park, Macclesfield, SK10 4NP. Entries must be received before 15 January 1991 and the winner will be announced in the March issue.

PROMPT DELIVERY 85a MANSFIELD RD, DAYBROOK, NOTTINGHAM, NG5 6BH

### COMPUTER LAB

24 HOUR ORDERLINE

TELEPHONE: NOTTM. (0602) 673674/673672

### **HARDWARE**

### **ATARI**

Discovery Pack 520STFM	£269.00
Power Pack 520STE	£359.00
Extra Pack 1040STE	£434.00
Mega 1 + Professional Pack	£499.00
Mega 2 + Professional Pack	£790.00
Mega 4 + Professional Pack	£1075.00
Stacy 2Mb Portable ST	£1445.00
Lynx	£159.00

### **NEO GEO**

Please ring for Best discounts on Hardware and Software – the very best games machines in the world today!

### **SEGA MEGADRIVE**

Megadrive £149.00 Software all at discounted prices, please ring for details.

### **PRINTERS**

Star LC10	£156.00
Star LC200	£215.00
Star LC24-10	£235.00
Commodore MPS1230	£140.00

### **MONITORS**

Atari SM124 High res mono ......£140.00 Philips S8833 stereo monitor......£255.00

### SOFTWARE

We carry an extensive range of software for all machines, all at discount prices – at least 25% off RRP for latest releases for example:

	RRP (	Our Price
Badlands	£24.99	£18.50
Cadaver		£18.50
European Super League	£19.99	£15.50
F.19 Stealth Fighter	£29.95	£22.95
Gremlins II		£18.50
Indie 500	£24.99	£18.50
Lotus Turbo Esprit	£24.99	£18.50
New York Warrior	£19.99	£13.50
Night Breed	£24.99	£18.50
Paradroid 90		£18.50
Spy Who Loved Me	£19.99	£15.50
Voodoo Nightmare		£18.50
Spy Who Loved Me	£19.99	£15.50

### MUSIC PROGRAMS

11100	11/ /11/10	
Steinburg Cubase	£550.00	£425.00
Steinburg Cubeat	£285.00	£245.00
C-Lab Notator	£499.99	£360.00
This is just a sample of	of the softwar	e we deal
with Please ring for h	act prices	

### ORDER BY PHONE (0602) 673674 or (0602) 673672 ORDER BY FAX

Order by cheque made payable to Computerlab

Delivery – Please add £6.50 courier delivery for orders over £100 Add £2.00 p&p for orders under £100 ALL PRICES INCLUDE V.A.T.

### **PUBLIC DOMAIN DISKS**

We have an extensive range of public domain and Shareware programs. Please ring for details of our Amiga and Atari libraries.

### SEVEN DISK SPECIALS ONLY £10.95

**ST PROGRAMMERS PACK** – C Compilers, Assemblers, Source Codes, Pascal, LISP, C Tutorials etc.

ST GAMES – Azarian, Othello, Queboid, Breaknoid, Wheel, Football, Monopoly, Rocm, Invaders, Tennis, Bermuda Race 2.

ST BUSINESS – Spreadsheet, Database, Inventory, Fincalc, Stocks, Shares, Double Sentry, ST Writer Elite v3.0

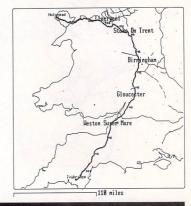
### **BLANK DISKS**

3.5" QUALITY DISKS £12.00 FOR 30 SONY BRANDED 10 FOR £7.99 FULLY GUARANTEED DSDD 100% CERTIFIED

### PERIPHERALS

DESCRIPTION OF THE PROPERTY OF	Been 11 (1 11 11 11 11 11 11 11 11 11 11 11		
Xtra-Ram Unpopulated	£64.99	Linnet Modem	£145.00
Xtra-Ram 1/2 Meg		Linnet 1200 Modem	£212.00
Xtra-Ram 2 Mb	£189.99	Linnet 2400	£412.00
Xtra-Ram STE 1/2 Meg	£69.99	Megafile 30 Mb Hard Drive.	£417.50
Xtra-Ram STE 2 Meg	£169.99	GVP 48 Mb Hard Drive	£445.00
Xtra-Ram STE 4 Meg	£339.98	ST Clock Cartridge	£24.99
ST Second Drive	£75.00	Amstrad SM2400	£235.00
Naksha Mouse	£33.50	Prolink Quad Modem	£435.00

# Holly(head) to Ivy(bridge) in time for Christmas Dinner



### SAVE UP TO £50 WITH OUR SPECIAL AUTOROUTE OFFER

Autoroute is the ideal Christmas present for software enthusiasts. For a limited period NextBase is offering Autoroute at up to £50 off.

### Plan any journey in Great Britain

Whether you plan to travel to Holyhead or Ivybridge, Autoroute can save you up to 20% on driving time and petrol costs.

### Extremely easy to use

Select your start and finish points, (including any places you wish to visit en route or avoid), and Autoroute will calculate, in seconds, the shortest, quickest, most economical route for you to follow.

### Detailed maps and printouts

Ordnance Survey maps are displayed on screen, allowing you to zoom in on areas for more detail. These can be printed out in addition to a detailed table of directions with precise navigational instructions.

<u>Pirates beware!</u> Autoroute version 1.5 is based on the very latest OS map. If you have an illicit copy of version 1.2, it is now 3 years out of date and missing several important motorways.

### Autoroute - The wise man's choice

Order yours today on (0784) 460077. Or send in the coupon today with cheque or credit card no. to NextBase Ltd. Unit 18, Central Trading Estate, Staines, Middlesex TW18 4XE.

ATARI £69.95 (incl. V.	(TA		
PC 3½" disks £99.95 (	ncl. VAT)		
PC 51/4" disks £99.95 (	ncl. VAT)		
Access/ Visa no.			Expiry date
Name			
Address			
		- 1	
Postcode		Tel:	4
NextBase Ltd. Unit 18,		-1	-
Central Trading Estate,	Alli		
Staines, Middlesex TW18 4XE		/	mulu

The Intelligent Map

Tel: (0784) 460077 Fax: (0784) 460582

### Dresen

Five years to the month after Protext version 1 was launched Arnor are pleased to present version 5, an enormous leap forward in both ease of use and performance.

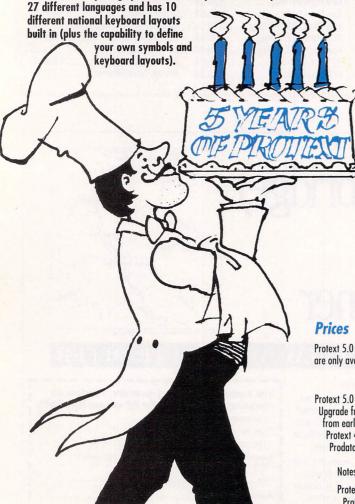
Protext 5.0 introduces a completely integrated system of pull down menus and dialogue boxes. The menus are among the many operations that may now be carried out with either the mouse or the keyboard. Protext really does give you the best of both worlds.

Protext 5.0 handles printer fonts flexibly and accurately. You can make full use of any number of proportional printer fonts, mix them freely within any line, centre them in headers, use automatically formatted footnotes. And Protext correctly formats your text as you type it, no matter how many font changes you use, showing you line and page breaks exactly as they will be printed.

Protext 5.0 is still the fastest word processor around. Even though we have made all these major improvements we have taken great care to ensure that text editing is as fast as ever. The menus work smoothly and guickly even with high resolution displays. But of course, you can use Protext's efficient set of commands and keys just as before and 5.0 remains compatible with all earlier versions from 1.0 onwards.

Protext 5.0 is a worthy successor to version 4, which was described as "the best word processor at any price", "the best text processor on the Amiga" and "the most powerful word processor on the Atari ST" (AUI, ST/Amiga

Protext 5.0 heralds a new era of multi-lingual European software, in time for 1992 and the opening up of Eastern Europe. Protext may be used in at least



### The Features

A New fast & easy to use pull down menu system with dialogue boxes and alerts; file selector; mouse dragging to set blocks. Menus complement existing commands and keyboard shortcuts, do not replace them. Menus may be used with mouse or keyboard. Amiga version follows Intuition guidelines.



- Enhanced printing capabilities supports multiple proportional fonts; mixing of different font sizes on the same line; proportional formatting whilst editing; side margin, headers and footers independent of main text font. Tabs, decimal tabs and centre tabs. Extensive range of printer drivers supplied.
- Multiple file editing up to 36 files may be open; split screen editing.
- Graphics mode support on PC allows use in virtually any text or graphics mode including 132 column or 75 line VGA modes; user defined characters and on-screen bold, italics and underlining now on all versions; use of 13 different accents on any character
- 🖈 Language support includes Albanian, Basque, Czech, Danish, Dutch, English, Esperanto, Estonian, Flemish, Finnish, French, German, Hungarian, Irish, Italian, Latin, Lithuanian, Norwegian, Polish, Portuguese, Rumanian, Serbocroatian, Slovak, Spanish, Slovene, Swedish, Welsh. (Note: some printers do not support all languages).
- Index and contents generation. Indexer takes marked words or phrases; contents entries automatically taken from titles wrapped in control codes; many options for style of contents output.
- Spelling checker features completely new 110,000+ word Collins dictionary with very fast phonetic lookup. Anagrams and find word pattern. Foreign language dictionaries (German, Swedish available now, others to follow).
- Amny other enhancements including multi-line footnotes and endnotes; automatic timed save; add column or row of figures; indent tabs; find word at cursor; 40 column mode support; sentence operations; inter- paragraph space; much improved expression evaluator; self incrementing variables; Roman numerals; newspaper-style column printing; file sorting utility with special options for names and addresses; revised manual plus new tutorial guide.
- And don't forget Protext still includes background printing; box manipulation; macro recording; exec files; headers and footers; find and replace; mail merging; undelete; file conversion utility; configuration program; auto reformatting; on screen help; time and date; typewriter mode; line drawing; disc utilities.

Protext 5.0 may be purchased from any good computer shop or directly from Arnor. Upgrades from earlier versions are only available from Arnor and the original discs should be returned with your order.

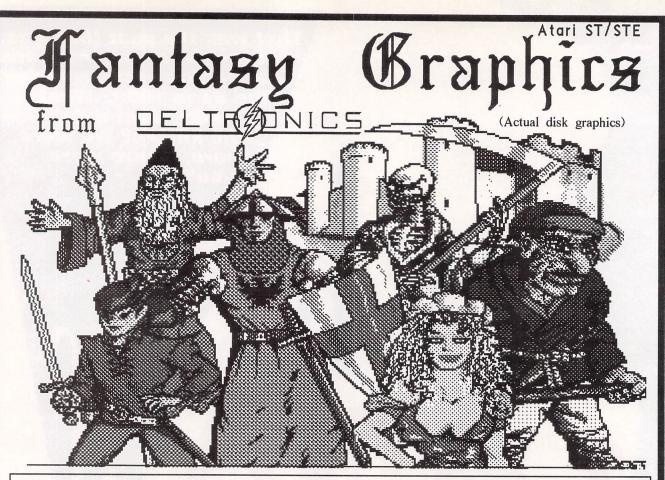
	PC	Amiga	31/11	Archimedes
Protext 5.0	£149.95	£149.95	£149.95	£149.95
Upgrade from v4.2	093	093	260	N/A
from earlier versions	£75	£75	£75	N/A
Protext 4.2	£99.95	£99.95	£99.95	N/A
Prodata 1.1	£79.95	£79.95	£79.95	due 1991 Q1

Protext 5.0 requires at least 640K of memory on all machines Protext 4.2 requires at least 512K of memory on all machines Prodata requires 1MB of memory on the Amiga

That was the year that was.
But just what was new and happening in the world of the ST in 1990? What worked, what didn't and who knows? We were there, where were you?

# Tevle Signature of the second of the second

Should auld acquaintance..



For use with the TALESPIN Adventure Creation System.

Deltronics presents 4 megabytes of full colour individual drawings crammed into 400k packed with adventure characters, weapons & armour, backgrounds, objects, artefacts, and much, much, more!

(Now you don't have to be an artist to program with Talespin.)

RECOMMENDED PRICE = £9.99.

SPECIAL MANUFACTURER MAIL

ORDER ONLY PROMOTIONAL

OFFER\* (Offer expires 1st March 1991.)

£6.99

inc. P&P.

Also available- Talespin (by Microdeal) only £7.50!

Send direct from this advert to



(Dept.User), P.O.BOX 175, CARSHALTON, SURREY, SM5 2WA.

### How was it for you?



### **JANUARY**

he hottest news in January was that all those lucky people who had bought an ST bundle for Christmas had received an STE instead. What a bonus! It seems that somewhere, somebody goofed. The enhanced sound and graphics of the upgraded ST made the purchase of an ST at Christmas doubly good value.

Unfortunately, the STE story wasn't all roses and it soon emerged that some games written for the old ST wouldn't run on the new machine. Aaagh! Atari blamed software programmers for using undocumented features of the ST which caused the problem. Help soon arrived however, when software houses released new versions of their games, and problems with programs such as STOS and Populous were sorted. Phew!

Arnor released Prodata, the companion database for their best-selling word processor. Using the same interface, it was welcomed with open arms by all users of Protext as being easy to use, fast and powerful.

In the US, Atari shipped over 70,000 of the Lynx hand-held games consoles to the New York area alone, and demand by far outstripped available supplies. The Lynx was previewed to UK gamers at the British Toy Fair later in the month.

### **FEBRUARY**

Reports circulating in various publications highlighted the danger of radiation emitted from computer monitors. Computer users were advised to take precautions to reduce their exposure. Nobody panicked though, and users of the Atari mono monitors had less to worry about than most, as these screens have very low radiation emissions.

After almost a year of waiting, the new version 1.4 of the Atari Operating System, TOS,

an upgrade of the previous version 1.09, was reported to be shipping. However it still took another six months before TOS 1.4 had arrived at dealers where it was to be fitted to older machines. This is just another example

of what happens when exaggerated reports and rumours are given too much credence.

Titan and Future Wars became the first games to take advantage of the extra hardware and software features offered by the STE, and showed just what marvellous things the new machine was capable of doing.

### MARCH

Two of the most popular ST products, the Spectre GCR Mac emulator and the NeoDesk replacement for the ST Desktop, were upgraded. GCR moved up to version 1.65, while NeoDesk 3 was delayed until the end of the year.

Things really hotted up for the Lynx. The first 4,00 units of the Lynx console shipped in the UK, and were snapped up within a week. Machines were sold before they were even made, and a waiting list developed. Two new game cartridges were released.

March seemed to be the month in which Atari managed to generate rumours. Both a hand-held version of the ST, similar to the PC-compatible Portfolio, and an internal CD ROM drive for the Mega series were supposed to be in development. Neither have yet materialised, but they could still appear in 1991 – who knows?

### APRIL

A good month for MIDI lovers with The MIDI Music Show at Hammersmith's Notovel Exhibition Centre. It was claimed to have been a taste of "tomorrow's music technology today". MIDI lovers were faced with all the latest equipment – hardware, software, keyboards and more. In all there was lots to see and experiment with. Heaven, right?

Another event, the Which Computer? Show was held at Birmingham's NEC. Atari was one of the biggest exhibitors there and

### AND SO IT CAME TO PASS...

The TT was first dreamed of a long, long time ago, way back in the mists of time. It was to be a marvel of modern technology, ST-compatible – the very best that man and beast could put together. And at the vast price of more than £2,000, it would have to be.

The great TT was first previewed at the Atari Messe '88. There was much excitement and frivolity. "It will be out in 1989" said Atari, and all those who heard this took it to mean that it would be available for purchase in 1989. Foolish ones! It was not to be. For although Atari spoke with good intent, it could not be done and the TT was delayed.

But again Atari raised hopes. The TT was launched for the first time – at the Atari Messe 89. The rabble was impressed, awed even. But the TT was still not to be passed down to the masses. And it did not come to pass – again.

And while Atari were seen to be irresolute, the air became thick with rumours. The Desktop, the Control panel, various incorrect specification sheets and the price all became the subject of much controversy. It will cost £5,000, claimed some, less than £1,000 said others (the official release price is £1,995, including VAT). The leaks were many and, in some cases, seemed to be positively inspired.

A year passed, and in the fullness of time the TT was launched a second time, again at the Atari Messe, in September 1990. Between launches, the TT had changed - 16MHz had become 32, and the hard drive went from 30 to 40Mb. The crowds waited patiently. But again they were disappointed. It was not until 31 November 1990 that Atari officially shipped their machine. Signa Publishing Systems is the lucky one, chosen to bring the TT to the public.

There's nothing like a little pre-release publicity, but enough is enough. The long-awaited TT, after two years of anxious expectation, has arrived.



### THIRD COAST TECHNOLOGIES



Unit 8, Bradley Hall Trading Estate, Standish, Wigan, Lancashire, WN6 0XQ

Tel: (0257) 472444 (8 lines) Fax: (0257) 426577

### general and the second of the

Upgrades Available Upto A Realistic 4 Megabytes!

ST Format "The very best ram upgrade boards on the market"

### Easy To Install

Upgrading the memory of your Atari ST has never been easier using Third Coast's range of memory upgrade boards. We have plug in upgrade boards to take your machine upto a realistic 4 Megabytes so you get no more out of memory headaches. Third Coast's range of memory expansion boards take around 1/2 an hour to install and come supplied with full fitting instructions for all revisions of Atari's. If you should get into any difficulty fitting any of our memory upgrade boards are technical staff will give you any assistance you need over the telephone. Third Coast's memory upgrade boards are fitted by plugging a socket over the MMU chip and the Video shifter chip and require no soldering whatsoever.

### Expansion Policy To 4MB

With Third Coast's 1/2 megabyte plug in board for Atari's with and without surface mount MMU chips we offer an expansion policy to 4MB. What this entails is, if you purchase a 1/2 megabyte expansion board from us and you decide you need either 2.5 megabytes or 4 megabytes. Return the board to us and we will discount you the price tou paid for the 1/2 megabyte board off the current price of the 2.5 megabyte or the 4 megabyte board. You are not left with 16 useless chips like the solution offered by offers but merely a cost effective simple way of upgrading your machine to 1 megabyte, 2.5 megabytes and eventually to a full 4 megabytes.

### **Expansion Options**

If you have a 520STM, 520STFM or even a 520STFM with surface mount MMU chip we have the solution to take your machine upto 1 megabyte with the expansion policy to 4 megabytes as described above. Third Coast also offer expansion to 2.5 and 4 megabytes for 520ST owners. For 1040ST and Mega 1 owners we have an expansion board to take your machine upto 2 megabytes, 2.5 megabytes and 4 megabytes. For Mega 2 owners we offer a plug in board to take your machine to 4 megabytes.

### Fully Compatible

Third Coast's range of expansion boards are all auto configuring and compatible with all software for the Atari ST.

### Warranty

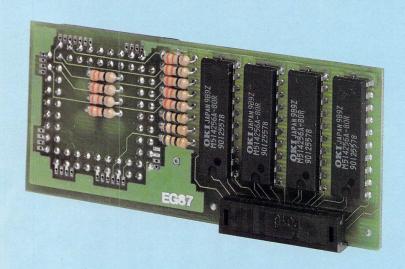
All memory expansion boards carry a full 12 months warranty and free 12 months telephone support.

### Software

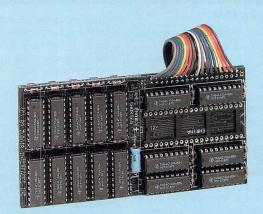
All Third Coast ram upgrades come supplied with a ram checker which checks every chip on the upgrade so you know if you have fitted the upgrade correctley. Also included is a ram disk, print spooler and several other useful public domain utilities.

### 1MB Internal Floppy And Upgrade

For those Atari owners who have a machine with 1/2MB drive and memory we offer a 1MB internal drive and a 1/2MB soldering upgrade kit for the special price of £99.99



1/2 megabyte plug in board Atari ST User September 1990 "Features-Excellent Ease Of Use-Good"



Z-Ram 4MB expansion board Atari ST User July 1990 "Features-Excellent Ease Of Use-Good"

### Pricing

520ST-1040 Ram Upgrade Kit Requires Soldering. . £39.99 520ST-1040 Plug In Board Socketed MMU Chip. . . £79.99 520ST-1040 Plug In Board Surface Mount MMU. . . £94.99 520ST-2.5MB Plug In Board Expandable to 4MB . .£189.99 520ST-4MB Plug In Solderless ExpansionBoard. . .£324.99 1040ST-2MB Board Requires Minor Soldering . . . . £169.99 1040ST-2.5MB Plug In Board Expandable to 4MB. . £189.99 1040ST-4MB Plug In Solderless Expansion Board. .£324.99 Mega 1-4MB Plug In Solderless Expansion Board . . £324.99 Mega 2-4MB Plug In Solderless Expansion Board . . £189.99 520-1040 Plug In Board Unpopulated (takes 4 256\*4 Drams). . . . . . . . . . . . . . . . £49.99 1040-2MB Unpopulated Board (32 256\*1 Drams) . . £69.99 4MB Board Unpopulated (16 or 32 megabit Drams) . .£69.99 520STE-1040STE Plug In Simms . . . . . . . . . . . . £49.99 520STE-2.5MB Plug In Simms . . . . . . . . . . . . . . . . £149.99

520STE-4MB Plug In Simms . . . . . . . . . . . . . . . £299.99

### REI Interferance

All Third Coast's ram upgrade boards fit under the RFI shielding so that you get no interferance on your screen.

For more information on any of Third Coast's products please return the form below to the address listed at the top of the page.

 	 	T	el:												
			Т	Tel:											

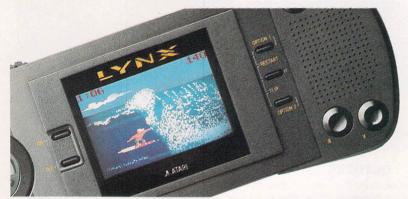
Please Make Cheques/Postal Orders Paybable To Third Coast Technologies Ltd. We Also Accept Access And Visa Over The Telephone.



Atari's Discovery Pack was an attempt to bring more people to the 16-bit machine



The portable Stacy from Atari proved to be something of a disappointment



In January alone, over 70,000 Lynx hand-held games consoles were supplied to the New York area. This amount was well below the demand which existed for the portable games arcade

proved to be the first chance the public had to see the 'revised' and long-awaited TT. This was however, only a taste of what Atari had up its sleeve, everyone had to wait until the Atari '90s Show where they could see the whole Atari range.

In an attempt to pry more users away from their 8-bit computers and towards the 16-bit machine, Atari launched its 'Discovery Pack'. Hitting the market at the end of April, the package included FirST BASIC, NeoChrome, STOS BASIC, ST Tour, four games and a book, 'Discover the Atari ST' – all this for a mere £299. What a bargain!

When there's work to be done call in the tough guys. But 'USER called in Jerry Glenwright. The mag owes much to his skill and daring

### MAY

Michael Colvin's private member's bill, calling for legislation to put an end to hacking, finally reached the House of Lords. The whole process began with a Law Commission report way back in October '89.

The Computer Misuse Bill led to the Computer Misuse Act which came into effect in August '90. It's now illegal for anyone to gain unauthorised entry into anyone else's computer system. Although welcomed by large companies and organisations who had experienced the detrimental effects of this practice, it was extremely bad news for funhackers everywhere.

Rumours that Protext was to be upgraded were confirmed. The new Version 5, when it eventually arrived in the autumn, had many new features, one of the best being drop-down menus.

The price of STE upgrades continued to drop which was welcome news for many users. The upgrade, once restricted to those with huge credit limits on their gold cards, now fell within the reach of the masses – bring more power to the people!

### JUNE

Word went around that the ST version of Deluxe Paint was to be released sometime later in the year. The Amiga version of this excellent graphics package was a best-seller, so great things were expected of the ST version which was finally released in October. No-one was disappointed – it was voted an excellent package by all.

June was the month for computer shows. First was the Atari '90s Show at London's Notovel at the beginning of June. The show was packed with the latest Atari products. Included were the TT, the Lynx and the whole ST range. Attendance wasn't as high as expected with only 8,000 visitors, however the general opinion among exhibitors was that those who did attend were more than eager to part with the readies.

The second 16-bit Computer Fair, was held at the Royal Horticultural Halls, London from 28 June to 1 July. Although not exclusively for the ST, there was still lots of hardware and software to see. The turnout was so good that plans were made for the next show to be held in January.

### JULY

Atari was said to be redesigning its portable computer, the Stacy. Supplies of the machine however, were kept very low. There was a slight problem with its power consumption, or put another way, it couldn't be switched on for more than half an hour without the

### THE LATEST VERSION...

By mid 1990, plans were well underway for the the relaunch of 'USER. The original publisher, Database Publications, had merged with Gollner Publishing to create Interactive Publishing, the company responsible for this journal.

After deciding that July's magazine would be the first of the 'new-look' issues, a man was called in – a hard man for a tough job. Yes, Jerry Dennis Glenwright had arrived to make his mark on the magazine. The new editor was the very picture of sartorial splendour in his green jumper with a hole in the right sleeve – and rarely was he seen without it. Hugh Gollner designed the new issue, working with Jerry around the clock to get it finished.

Back from the printers, the magazine was rushed to the Novotel Hotel in London, ready to be shown to visitors at Atari's '90s show. It was met with favourable comments and sold out.

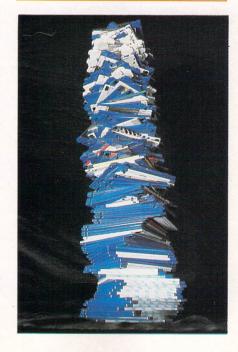
After the success of that first revamped issue, Jerry decided to stay awhile. So he moved in ya, and some months later was followed by his personal attendant Angela, a very talented designer who became Art Editor.

Existing staff were juggled around, ordered to take up their posts and get to work on the revamped mag. Our glorious leader made sure that he was in even as early as 9.30 on some days – to set a fine example to us all. And work? Work? We didn't even know the meaning of the word until Jerry arrived.

Those first few issues were produced to very tight deadlines, and Jerry spent several nights at his desk when the rest of us were asleep to ensure the issue was ready on time - well, that's what he told us, anyway.

Over the last six months all but one of the original team has left 'USER. First went Roland Waddilove, moving on to a sister publication PC Today, Ahmed Alam left and David Stewart started spending more time with his own magazine, ST World.

Then came the shock news that the Jerry the Terrible was packing it in, leaving the troops to 'go freelance'. Claire Walls has taken over as 'boss', and as that's the case, the less said the better! (A very wise move – Ed)



### ON THE DOWN SIDE...

The ST market is no stranger to the odd disaster and, not surprisingly, there were some real corkers in 1990. The year was off to a bad start for Atari when supplies of the new STE machine were shipped early, stock of the old STFM models ran out, and many old games proved to be incompatible with the new hardware. Aaaargh!

Many big name games like Populous were out for the count, although the problems were soon fixed with new releases of the affected software. Annoying and expensive for all concerned.

As more users got hold of the new machine, several more

flaws came to light. One of the most tedious was the bug in TOS 1.6 which stopped the machine booting up in the medum resolution mode. A bug fix was released, but users had a long wait as this bug wasn't exterminated until September, when TOS 1.62 trickled out, installed in new machines.

Hard drive owners have also been having problems with the STE because several batches of the machine were shipped with faulty DMA chips. This means that they are likely to corrupt data after several hours of continuous use. Atari have supplied a new chip which will work with their own hard disks, but owners of non-Atari drives still have no guarantees that their machines will work reliably with the STE.

Continuing delays in the launch of the TT, mainly involving upgrading the CPU from 16MHz to 32MHz have resulted in the twice-launched, long-awaited machine not shipping until late November. Stacy, the ST portable has also had its fair share of problems, with the machine currently undergoing a redesign to increase the life of its battery pack.

Just the usual bunch of howlers, blunders and bungles – nothing too serious.

battery running right out of juice. Not really very handy for a portable, eh?

On the games front we were still unable to see the back of the World Cup. We couldn't escape it. At home whenever we turned the television or radio on it was there. Nip out to the pub and what did you get? Yep. Retire to the bedroom for a look in the disk box and there it was again. For the first time ever, there were probably more football games around than shoot 'em ups.

### **AUGUST**

Protext was unveiled in its latest form, the much-heralded Version 5. The program had been fitted out with drop-down menus, and for this luxury the user paid an extra £50. Even at this price it was a popular addition with many users

520STFMs were beginning to run from version 1.4 of TOS and STEs found themselves with Rainbow TOS, version 1.62 plugged in. Version 1.62 had those pesky earlier STE bugs ironed out and initial worries about incompatibility proved to be unfounded.

Iraq invaded Kuwait at the beginning of the month (but I'm sure you don't need to be reminded of that). Amazingly, by the end of August there was still no sign of a games house releasing a Gulf-based shoot 'em up for the ST. Astute marketing, good taste or just too slow to jump on the bandwagon?

### SEPTEMBER

Atari decided against appearing at the European Computer Entertainment Show, preferring to tour the country on a train during October. By the time of the ECES, those unstoppable amphibians had swum the Atlantic and swarmed all over the country—Turtle Power had arrived. Mirrorsoft was dreaming of the cash which was to be made with its license to reproduce the little nasties on the home computer.

Realising its mistake to wipe its shelves clean of the ST, John Menzies reversed its decision. It restocked with the Atari machine and axed the Amiga for the Christmas period – a wise marketing move not particularly popular with Commodore.

Over in West Germany, as it was then known, STs are used for 'serious' applications more often than they are in the UK, and so West Germany was the logical choice for yet another Atari show at Dusseldorf. Here, the 32MHz version of the TT and the new SLM605 laser printer were on show.

### OCTOBER

The news broke, amidst howls of anguish, that a diseased bunch of STEs had been released. Unlucky users who bought them discovered that they were extremely reluctant to run a hard disk, and would wipe data after a few hours' use. Atari were apparently a little reluctant to admit that they had a problem at first, but justice prevailed in the end.

Atari's Whistle Stop Tour, beginning on the 23rd, was the occasion of the month, as one poor overworked and underpaid journalist from 'USER discovered.

He spent seven harrowing days and nights on train stations at Bristol, Manchester, Leeds, Newcastle, Glasgow and Birmingham – sounds like a train-spotter's delight. Then, of course, there was the carousing in the evenings to contend with. He came back a mere shell of his former self. Interested in the event? You'll find more details in our show report on page 11.

There were the usual rumours, this time about the Jaguar and the Panther reported to be released in the spring of 1991. No confirmation has been given of those yet, but if the release of the TT is anything to go by, expect them in 1993 – possibly.

### **NOVEMBER**

The month began with rumours of the release of a Stacy STE, complete with 20Mb hard disk and 4Mb RAM. A Motorola 698000 running at 8MHz is rumoured to power the machine – as with the original Stacy 4. These were emphatically denied by Atari, of course.

The UK version of PageStream, the American DTP package, was finally released by Silica Systems. The much-awaited Calligrapher was released by Working Title.

Prices for Apple Macintoshes were slashed which gave rise to speculation of a related price fall for Mega STs. At first Atari denied there was any problem, then said rather mysteriously, wait for the Comdex Show in Las Vegas. The Mega STE was their answer to the challenge - and it looks set to be a winner with a TT-style Desktop, 40 megabyte internal hard disk and runs at either 8 or 16MHz.

Also hitting the news was the report that the



It was just like Christmas when the new-look 'USER was unveiled in June

32MHz version of the TT was to make its first public showing in the States at Comdex.

Also in the States, Atari general manager, Ellie Kenan resigned after a short term in the hot seat. He is believed to have returned to the French arm of the company. There was some controversy and confusion, however with the US and UK arms of the company giving different versions of what happened. Did he fall or was he pushed?

### **DECEMBER**

At the time of writing, December hadn't actually happened, so here's a tidy list of predictions – some wild, some very, very reliable and some not so reliable. You decide which is which...

- The Computer Shopper Show (December 6th 9th at Wembley Conference Centre) will be a huge success thousands of people will attend and thrill to the Computer Football Association Challenge Cup Finals, save thousands of pounds on computer bargains and be amazed at the new, and not quite so new releases for sale: Cyber Assault, Defender II, Nine Lives, Gettysburg, Badlands Pete, Play Maths, Kid Paint, That's Write, Write ON, That's Pixel, Supercharger 1.4, Spectre GCR, Raytrace, Draft Plus 3, Adimens 3.0, G Shell, and lots more.
- Atari will release the TT, again.
- HiSoft's BASIC 2 will be released.
- Titan Design's Reflex Graphic card will be out giving 1024 by 1024 pixels on A3 or A4 monitors, with 128K of Fast Video RAM.
- It will be cold and people will celebrate Christmas
- The 'USER team will produce another absolutely brilliant mag.

### mens ST Plus Version 3.0 SIONAL RELATIONAL DATABASE

Probably the best in the world for the Atari ST! If quality matters this is the database to upgrade to! Adimens sets the world standard on Databases:

- \* Relational. \* C programming interface with Adiprog. \* Clipboard.
- \* Programming capacity with Aditalk. \* Sorter (Multi-sorting level).
- \* Tuned by the Psychology Dept of Zurich University for ease of use.
  - Calculations. \* 90,000 Adimens Database users worldwide.
- Import/Export of data to Spreadsheets & Wordprocessors is simple.
- ❖ Upgrades available from K-Data and ST-Base. ❖ Very easy to use.



Tel: **0734 844335** Fax: 0734

COMPUTERS

12, Horseshoe Park, Pangbourne, Berkshire RG8 7JW •

### **FONTKIT PLUS 3**

Edit or create GEM fonts, Signum fonts, screen fonts and downloadable printer fonts. Incorporates a suite of drawing tools, plus block manipulation tools, and will import Calamus, Degas and Macintosh fonts. The package includes Fontswitch 3, which re-configures the keyboard and changes screen and printer fonts; plus Fontprint to give complete control over the printer fonts used with Epson compatible printer. Price: £19.95.

### UNIVERSAL ITEM SELECTOR III

Powerful replacement for the Atari Item Selector. Universal Item Selector III incorporates a host of utility functions: format disks, copy, move and rename files and folders, create folders, find files, set file paths, etc. "You'll wonder how you ever lived without it," ST Format, December 1990. Price: £19.95.

### THE CATALOGUE

Our collection of PD and Shareware disks runs to over 2,000 disks and we guarantee same day dispatch on all orders. Our Free Catalogue - (46 pages A4) details these disks and all of our products and services: PD disks, Books, Budgie UK Licenseware and Laser Printing. We also publish: The Astronomy Lab (£19.95), Key Master (£6.95), Oxford Chess (£9.95), Molgraph (£12.95), Guides to Timeworks DTP (£9.95) and 1st Word (£6.95), Fontpac Plus GEM and Signum fonts (from £6.95). Details of these will be found in our current catalogue. Write or telephone

The ST Club, 49 Stoney Street, Nottingham NG1 1LX (0602) 410241

Please send me:	Name:
☐ Universal Item Selector III	Address:
(£19.95)  ☐ Fontkit Plus 3 (£19.95)	
☐ Free copy of the 46-page ST	
Club catalogue	Postcode: Tel:

Return to: The ST Club, 49 Stoney Street, Nottingham NG1 1LX STU59

# ABSOLUTE BEGINNERS

If pointing, clicking and dragging is old hat now, maybe a trip to the bar is in order – the menu bar that is!

ast month you learned all about the mouse. How to click and double click, drag objects around the Desktop, lasso multiple files and so on. By now, you should be completely at ease with the Desktop and with using the mouse. There are just two more elements to complete the WIMP environment: menus and pointers.

egimers

### PROPPING UP THE BAR...

Take a look at the ST's Desktop. Drive icons are at the left of the screen, windows are in various locations and there is a strip across the top (see Figure 1) bearing these names:

Desk File View Options

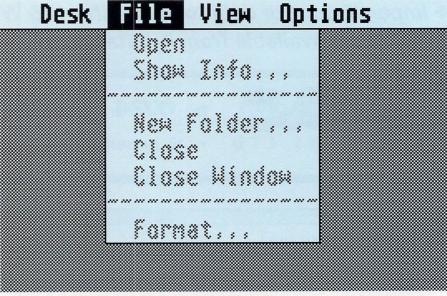
This strip is called the 'menu bar'. It enables you to perform 'housekeeping' functions associated with the operating system that you cannot access from the Desktop. You may, for example, want to rename a file. How do you do it? There's nothing rename-like to point at on the Desktop, and you can't simply highlight, a file with a click then type over its name. But by accessing the correct menu, you can select an option which enables you to rename files and folders with ease.

The Desk menu is where you can get information about the version of GEM your ST is using, and it also provides access to desk accessories (or DAs as they're known). DAs (see Figure 2) are little utilities that you can run while using other programs.

If, for example, you're using a word processor to write a fake note from your Mother to your physical education teacher, and need to calculate some figure (say the amount your 'Mother' will sue your school for if you're forced to play football that afternoon) but can't add figures to save your life, you could access a calculator from the Desk menu, perform the calculation, quit the DA, and be back at your word processing without quitting or returning to the Desktop – clever right?

### **ACCESSORIES AFTER THE FACT**

Desk accessories come in all shapes and forms, ranging from terminal programs, databases and note pads, to complete word



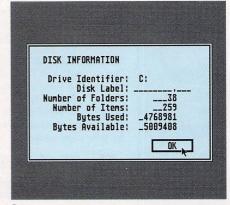
1 The menu bar is where you can find system functions not available elsewhere



2 Information about GEM from the desk menu

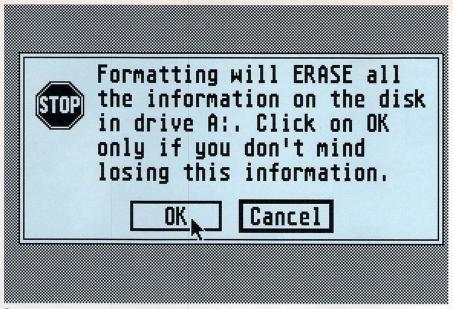
processors, games, calendars, clocks and calculators. Most can be had free from the public domain. You can install a maximum of six DAs on any boot disk (the disk that you use to start the ST).

To install a DA, simply include it on the root directory (that is, not inside any folders) of the disk you're using to start up the ST. Desk accessories always have a name extension of .ACC, so they are picked up automatically by GEM and loaded straight into the memory.



3 Show info presents important disk statistics

Although six DAs at any one time is the maximum, you probably wouldn't want to have any more on any machine without at least 1Mb of RAM. DAs are stored in memory which means they use space needed by applications such as your word processor and spreadsheet. With a lot of large accessories loaded, you may find that your programs won't run. The trick is to experiment. DAs are fun and very useful and they're often included on our CoverDisk and detailed on



Are you really, positively, absolutely certain that you want to format this disk?

the public domain pages. We'll be telling you more about the many ways of using and abusing your DAs in the coming months.

### WHAT ELSE IS ON THE MENU?

The next menu on the menu bar is File. This is what you'll see when it drops down:

> Open Show Info... New Folder... Close Close Window... Format...

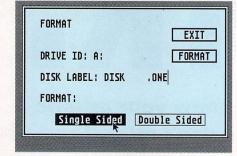
The ellipsis (three dots) after a menu option means that there's a dialog requiring or giving more information which appears following the selection of that option. Options which don'tt have an ellipsis perform their function immediately after being selected.

Open is simply another way to perform the double click. Try this: select a program with one click, drop down the File menu (menus 'drop' down when touched with the mouse pointer) and select Open. The program is launched just as if you'd double clicked it. Similarly, opening a file causes it to be displayed on the Desktop, opening a folder causes its window to be opened and so on.

Show Info... displays a dialog containing important information and statistics about files, applications and folders (see Figure 3). You're presented with sizes, creation and last modification dates, read/write attributes and so on. Show Info... is used to 'lock' a file by clicking the 'read only' button, setting the file to - wait for it - read only. That is, it can't be modified or deleted.

Show Info... is also used to rename objects. Click a document, drop down the File menu and select Show Info... At the position where the file's name is displayed, you'll see a blinking insertion point (that's a cursor, in case you were wondering...). Press the Escape key to wipe away the existing name. You can now type in a new name for the file. Press Return when you've finished, the Desktop will return and within a few seconds, the file appears with its new name.

New Folder... enables you to create a new, empty folder in the currently active window. Drop down the File menu and select



Choose single or double sided format



A graph shows the progress of the format

New Folder... A dialog appears prompting for a name for this new folder. Type in a name then click OK. The dialog disappears and new folder is displayed in the current window.

Close closes the current window on the Desktop. If you have an object selected when you select Close, it is deselected and its window closed. Close Window works in a similar way to Close, with the exception that if you've opened a floppy drive window by double clicking the drive icon, then opened a folder displayed in the drive's window with another double click, both windows are closed after selecting the Close Window option (whereas Close would only close the currently active window - the folder's window - leaving the drive's window open).

### **BLIND AS A BAT**

You could, of course, simply click on the little box in the top, left-hand corner of the window. But fortunately, for those of you with poor eyesight, poor aim or a very shaky hand, the Close alternative is supplied.

Next on the menu is the Format... option. This enables you to initialise new floppy disks for storage of data and so on. Initialise? Well, before a new disk can be used by the ST, it must be broken up into bite-sized chunks (no pun intended...) and the chunks marked onto the surface of the disk using magnetic 'ley lines'. The ST does this by examining each part of the disk, checking to see whether it's usable, then marking it. There's also a portion designated for use by the ST as an area in which it can store information about what's on the disk. That is, when you write a file to the disk, the ST also writes information into a special area describing where your file is stored, how big it is and so on.

Without this information, the ST would not be able to read the file again (this area. known as the 'FAT' or File Allocation Table, can be corrupted, and if it is, the ST cannot read any files from the disk).

The ST is equipped with two types of disk drive, single sided and double sided. In the former, the drive can read and write data on only one side of the disk, in the latter, both sides can be used.

Single sided disks can store 380K of data (theoretically 400K, but formatting and marking for use takes up some of that space). Double sided disks are designated as 1Mb but actually store 720K of data.

To format a disk, insert a new blank disk (or an old used disk that you want to delete everything from) into the ST's drive and select the drive by clicking on its icon. Drop down the File menu and select 'Format...'

### **WARNING! WARNING!**

A warning dialog appears (like that of Figure 4). If you want to proceed with the format, click OK, if you've decided against formatting, clicking Cancel will return you to the Desktop with the disk intact. Let's assume you wish to continue with the format. Another dialog (shown in Figure 5) appears, from which you can elect to format a disk either single or double sided. If your ST has a double sided drive, click the 'Double Sided' button, otherwise click the 'Single Sided' button.

At this stage, you should type a name for the disk into the Disk label area at the centre of the dialog. If you don't name the disk now, you won't be able to at all. The Show Info... renaming method doesn't work for floppy drives. Now click the Format button. Even now, you can still escape from the formatting process by clicking on the Exit button.

After clicking Format, a dialog (like that of Figure 6) appears to show you the progress of the formatting procedure. If all goes well, you'll be returned to the formatting dialog after formatting a disk. You can either elect to format another floppy or return to the Desktop by clicking Exit.

Once a disk is formatted, it can be used to. store programs, documents and other data. You can store as many files as you want to on a disk, subject only to the space limitations mentioned earlier (380K on a single sided floppy, 720K on a double sided floppy).

If you have a disk with a lot of files that you'd like to delete, then a simple method (rather than dragging hundreds of files to the trash) is to reformat it. Insert the disk into your ST's drive and proceed as above. Be aware though, that if you reformat a floppy, all the data it once stored will be gone forever!

Next month, we'll discuss the rest of the menu bar, and talk a little more about getting the most from the Desk accessories.

# 

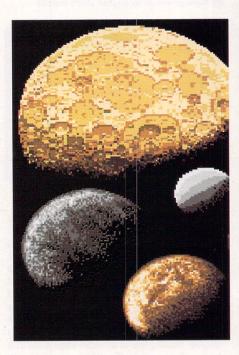
Your only chance to show your artistic talents to the world - don't miss it

### **YOUR WOMAN** WITH THE BRUSH...

This month's entry in our Art-Work! competition is from Jane Northam of Windsor, who sent in this inspired image of the Man in the Moon (I bet you believe in the Tooth-Fairy too!)

First of all I had to think up an idea to illustrate. After some time and a little inspiration I made a doodle on paper, I decided that the Man in the Moon would be an unusual and interesting concept to attempt. I then looked in books and magazines for some picture references - a man's head in profile and some planets.

Tracing from these, I improved my sketch until I was happy with it, and was ready to begin with the software. I used Deluxe Paint to create the Man in the Moon.



### PRIZE WINNERS SIGN HERE...

OK, this is your penultimate warning! Only two more readers will be rewarded with publication (and fame!) in our competition, so start creating. You could win a Gasteiner mouse and a Tracey. All you have to do is send in your image, tell us

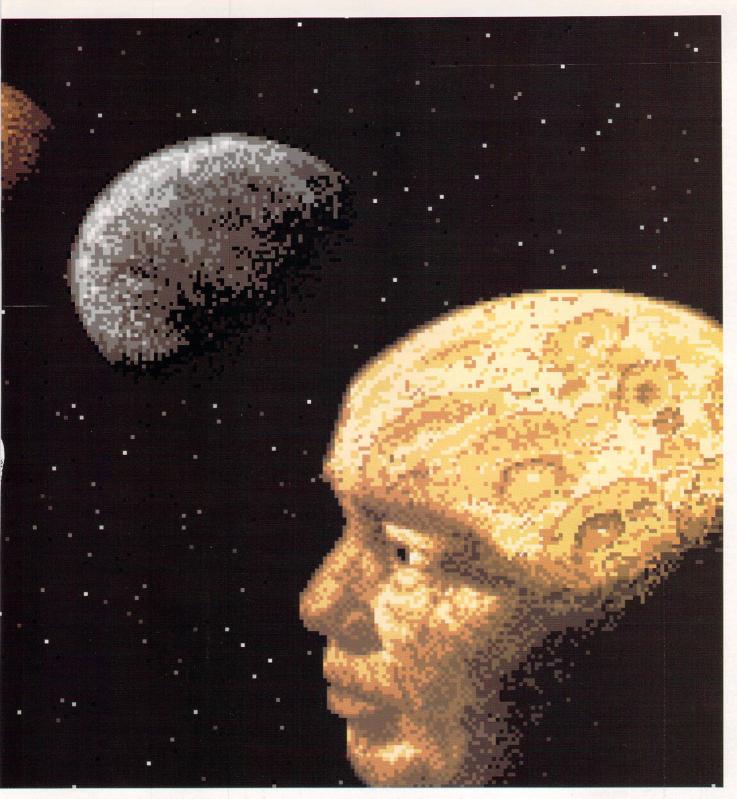
how you created it, then sit back and wait. Each month we choose the best submission and exhibit it on these pages, in your very own public gallery.

The lucky winner will announced in the April issue.





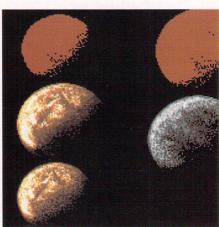
I sketched out the head roughly, put in the right shade areas and then began on the detail in the profile, using the photograph and my drawing for reference. Anti-aliasing the face took quite a while - it's an important feature. I concentrated on the eve and the wrinkles around it in particular as this is what most people look into first.



After reaching a stage with the head I was fairly happy with, I turned to the planets. There's plenty of room for artistic licence here, but I had photos nearby to check on occasionally if I needed them. I used rough textures and the FX tools, smearing until I created the right planet-scapes.

All the planets had to be lit from the same direction as the head, so I used circle drawing with fill/conform to give me a shaded sphere and I rotated it until it was at the right angle. Rotating distorts a circle, so I used the stencil to fix all the planet colours and drew a slightly larger circle behind in an unused colour.

Then I filled in all the gaps by hand, fixing all but this colour with the stencil. A quick wash with a big black brush took it out. Resizing this brush a couple of times gave a rough copy of the planets. Then I finished their textures and anti-aliased by hand.





Next, I placed the head and planets in roughly the right places, drew solid circles behind them (so that the dark sides obliterated thestars), fixed all the colours except the background with the stencil and put in lots of stars with a large-area spray-can.

### Pdom PD Atari ST/STE Public Domain & Shareware Software

Suppliers of Public Domain and Shareware software for nearly 5 years, watch out for imitations! Pdom PD Atari STU, PO Box 801, Bishops Stortford, Hertfordshire, CM23 3TZ. Tel: 0279 757 692

### APPLICATION

- • MP7 Home Business Pack: DSD. Datahandler and First Base 2 databases Personal Database a 10 address book STSheet and Sheet 2 excellent spreadsheets that include graphics and Lotus 123 compatibility, STWriter Elite the word processor and Double Sentry the accounts package. All fully working and full featured. A 3 disk pack for £750!

  • A48 - UNITERM V2.06 full. THE Comms package for the ST.

  • BPRO1 - CSR. The ELECTRONIC BANK STATEMENT fully
- featured personal accounts.

   A96 DSD. SHEET v2.0. powerful all features spreadsheet.
- A108 DSD. 1MB. B/STAT, a sophisticated graphing and
- statistical analysis program.
- A121 POOLS Expert Results Predictor v2.5.
  W2 STWRITER ELITE V3.6 the word processor.
- W5 MICRO-EMACS v3.925 text editor.
  A125 DSD. 1MB. OPUS V2.10 very powerful spreadsheet and
- charting program. Requires GDOS which is on disk A163.

   A138 DOUBLE SENTRY V0.5 the accounting program.

   A166 PERSONAL DATABASE an excellent address database
- system. The PD version only allows 10 records but the Shareware version is unlimited, details on the disks. VANTERM V3.71 excellent all features communications program does every thing except split baud rate. RELATIVE TREE the geneology program.

### **FONT**

- A45 STAR NL10/LC10 FONT DESIGNER v1.1 iwith 21 fonts. A110 - CALAMUS Fonts disk. 9 PD fonts for use with the DTP package Calamus: Facade, Fura, Greeny2, Hebrewy, Manvilly, Math, Peignoy, Silicy and Steely.

  A135 - GEM FONT MASTER by J.Millar the GEM font Editor.

  A137 - Over 40 GEM GDOS fonts.

  A175 - Over 70 GEM GDOS fonts.

### **EDUCATION**

- A47 CSR, KIDSGRAPH, KIDSGRID2, KIDSMUSIC, KIDSPIANO, KIDSNOTES graphics and music/sound programs for children.
   A100 CSR, KIDPOTATOE, KIDABC, KIDSKETCH, KIDSTORY.
- A101 CSR. KIDSONG, NUMERICAL GO ROUND excellent animated maths program, NUMBER MAZE
- A177 CSR. KIDSHAPES PLUS a graphic program for the older child. KIDPUZZLE features 12 pictures.

  • A178 - CSR. NOTSTE. CAN YOU SPELL. Talking spelling trainer.

### UTILITY

- • MP1: STARTER PACK for the new STer. STWRITER the word processor,DATAHANDLER and FIRSTBASE the databases and NEOCHROME the drawing package. Also utilities: RAM disks, spooler, picture converters, desktop accessories, monochrome screen emulator, colour screen emulator, Auto loader GEM, extended disks formatters and loads more. 3 disk pack for £750!
- . A10 KERMIT kit.
- A31 3 dozen 1ST WORD printer drivers
- A41 MONOCHROME monitor emulator v5. NOTSTE CMFONTS converts Macintosh fonts to ST GDOS format.
- DEFORMATTOR this program deformats your disks!

   A88 DCFORMAT v3.03 THE ST disk formatter. DISKMOD writes MSDOS boot sector. MEG A MINUTE Elite v2.1 HD backup.
- A90 SUPERBOOT v6.0 THE ST Boot program.
   A91 FILE SELECTOR v6.0 replacement file selector. VIRUS
- KILLER v2.01 excellent virus detector and killer.

   A97 MMR. STICKER III. THE disk label program
- STW 41 FSELECT v3/1989 replacement file selector. ICONE ACC allows you to design icons and assign them to a file.
- A109 QUICK DISK, QUICKFIND v1.5, QUICKINDEX v1.5, QUICKST v1.2, QUICKVIEW v1.3, QUICKINF V1.3, QUICK LABEL
- V11 QUICKPRINT A111 - HEADSTART v1.1 excellent program that allows you to
- auto-boot ANY type of program from your AUTO folder
   A119 FLYING START v1.04 1200/75 comms Prestel.
- A128 RECOVER is a program that copies any number of specified sectors on a disk to a named file on another disk. A134 - BOOT DRIVE SELECT select a drive to boot from when
- ou reset your ST GOACC select Desktop Acessories.

   A156 DSD. MMR. PLANETARIUM. THE star planets package
- A157 CUSTOM FORMATTOR multi featured disk formattor.
  BOOT SECTOR STORAGE system allows you to store boot. sectors from many disks as a file on 1 disk
- A158 CSR, Complete Amateur Astronomy Guide
- A159 Address Book. Database. First Base. Datahandler.
  A163 GEMINI V1.1 desktop replacement.
- A167 BIG COLOUR EMULATOR for Monochrome monitors

- A168 ARCGSH V2.1 a shell for any program is already setup for ARC, ZOO, SHAR, UUD AND UUE excellent. BYTEFREE v3.3 displays how many bytes are free on all drives. DISKINIT activates a 2nd drive without reset. DISK MECHANIC v1.0 disk analyser, copier, formattor, sector editor etc all in one very powerful.

  • A171 - RECOVERABLE TRASHCAN retreive deleted files
- A173 ARCHIVER DISK. ARC V6.02 archiver, ARC shell V1.98, LHARC V1.13, TURBOARC, ARCIT archive entire disks.
- A174 DCOPY v3.12 excellent disk utility features include: copy move, erase, lock, hide, display, ARC and unARC. BIGSCREEN allows you to use GEM windows larger than the actual screen. FILESPY V1.2 file browser with search.
- A176 STARTERM V1.11 the brilliant comms package, features: VT52, VT100, ViewData, XMODEM.
- A186 DOCDISP the best document displayer on the ST features load picture and a non case sensitive search facility! FCOPY 3 the excellent disk copier, formattor and virus checker

All require a colour screen

- MP2 Games Pack 1: DSD. Monopoly, Fruit Machine, Cribbage, Poker, Solitaire, Tunnel Vision, Reflex, Checkers, Devils Tomb, Death Star, Battle Ships, Zyphur and others. A 3 disk pack for £7.50!
- MP3 Games Pack 2: DSD. Star Trek, Tennis, Patience, Fire Storm, Laser Chess, Mile Stone, Azarian, Barn Yard, Space Invaders, Space War, Lunar Lander, Bridge Itl, Race Cars, Monkeys and Balloons, Spectral Sorcery and Give Us A Break. A 3 disk pack for £750!

  G23 - 1MB. BOLO! Absolutely brilliant game with excellent
- graphics in the Arknoid mould only better G86 DSD. Tennis!
- G95 CHANCE a good shoot 'em up with lots of action.
- G96 MUTANT excellent platform game
- G97 DSD. The Star Trek game by Eric Tronics A full graphics game with sampled sounds!
- G107 PATIENCE by Eric Chapman an excellent card playing game includes Golf, Little Spider, Calculation, Siege, Raglans B5 - PRO DARTS 501 down.
- B7 BALL ZONE an incredible Arkanoid type game, only better.
   B12 ACE INVADERS the DEFINITIVE Space Invader!
- B13 ZENITH a space combat for two players
- B11 MAELSTROM excwellent space shoot\_out
- GOLDRUSH a multi-level platform pursuit. MAKE A BREAK trivia quizz. • B14
- B17
- B18
- PARABELLUM excellent platform game.
   BANDIT slot machine with nudges up and down etc.
- R27
- PSICOTIC a space shoot' em up. SPACE BLOB an immensely enjoyable platform game.
- B30 A QUEST FOR GALAXIA an excellent Galaxians clone!
- MR DIG dig tunnels to collect the cherries.
- B35 HOSTILE RECEPTION a Xenon-type shoot-em up.
   B39 Onyx an excellent shoot 'em up with many varied and excellent sprites! All in 68000 machine code
- B40 Dizzy Lizzy across between Pacman & Boulderdash.
- B41 Exodus awesome shoot 'em up with fantastic graphics!
  B44 Exterminate if it moves KILL IT! A shoot'em up.

### **GRAPHICS**

- MP4 Graphics Pack 1: DSD. CSR. ANI ST the excellent animation package, fully working allows you to create your own animations! Pearle the ray tracing package with full examples, Mini Paint the excellent fully featured painting package, NEOchrome the excellent painting program, and picture convertors. A 3 disk pack for £750!

  • MP5 - Graphics Pack 2: DSD. CSR. Master Painter the excellent fully featured paint package that includes multipy
- screens, Colour Burst II the 800/3200 shades on screen at once paint package, Fine Line the drawing program, Fractal Zoom the most comprehensive fractal generator on the ST. the Atari IMage Processor, MegaBlit the paint package, Studio and VanGogo 2 excellent paint packages. A 3 disk pack for £7.50!
- GR6 Degas Support Disk: 155 fills, 10 brushes, 7 fonts & 24 printer drivers GR11 - Disk full of picture utilites: TINY STUFF v3.4 and TINY
- VIEW v4.21, PICSWITCH v0.7 and more.
   GR14 MMR. PUBLIC PAINTER v0.1 Degas & .IMG compatible
- GR17 Picture convertors. To & from Print Master, Degas, NEO, Tiny, IFF, SPEC512, IMG, AIM, Postscript, Spectrum512 & GIF.
- GR20 IMG utilities. Convert Degas, Tiny, NEO, MACPaint, Spectrum to a mono IMG file. Also an IMG viewer & slideshow BPRO3 - CSR. SPRITE MASTER a professional sprite editing package tailored to suit most programming languages
  - To order, simply quote the disk code number.

BPRO5 - CSR. DSD. Sprite Portfolio 600+ top quality sprites

### LANGUAGE

- L1 68000 ASSEMBLER, XLISP, STLOGO, TINY BASIC.
- L3 ADVSYS Adventure writer language
  L7 XLISP v1.7 includes manuals.
- L8 FORTH from Bradley Firmware
- L9 ST ICON v6.3, based on SNOBOL4.
   L10 LITTLE SMALLTALK.
- L13 & L14 MODULA-2 DEVELOPMENT SYSTEM v1.0.
   L15 DSD. SOZOBON C Compiler.
- Lt7 DSD. AGT V1.19. Excellent adventure writer.
  BPRO2 DSD. Budgie UK 68000 Programmers Library V.42.

### MUSIC

- M9 MUSIC WRITER create music on screen
- M15 THE ACCOMPANIST V2.3 a 16 Voice MIDI Sequencer. A fully working MIDI sequencer by Henry Cosh.
- M18 SOUNDTRACKER player and SoundTracker modules.
   M19 SOUNDTRACKER player and SoundTracker modules.
- M20 SOUNDTRACKER player and SoundTracker modules.
   Also documentation and some source code in 68000 and GFA basic on SoundTracker formats and different frequencies
- M21 NoizTracker fully working with Modules

### **DEMOS**

- All require a colour screen and a double sided disk drive.

   D77 Exceptions 4 BIG demo.
- D91 AMIGA DEMO!
- 1MB. Calamus product demo.
- D122 NOTSTE. The Union demo! - The Snowman demo. 1MB.
- D125 NOTSTE. The CareBears Cuddly demos.
- D128 The Wattaheck demo.
- The Swedish demo including SYNC and The CareBears. D129 -
- D138 1MB. Startrek Animation with digitised speech.
- BD1 Mind Bomb.
- D176 The Care Bears 'So What Demo'.D189 Swedish New Year Demo 2.

- D197 NOTSTE. Space Ace.
  D202 NOTSTE. Predator demo by The Islander.
  D207 The SNOWMAN demo the 1/2 MB RAM version.
  D210 IMB. The Star Wars Walker I demo. Excellent Animation and sampled sounds.
- D211 1MB. The BatMan demo by RAM KILLER.
- D213 1MB. The Star Wars Walker II demo. Excellent Animation. and sampled sounds
- D217 The DELERIOUS DEMO II by the Overlanders.
   D221 & D222 NOTSTE. 1MB. DRAGONS LAIR DEMO by IRS.

All require a colour screen and an Atari STE.
- The Official Atari France STE demo!

- D214 Sound OFF.
- D228 AN COOL from The Care Bears STE demo.
- D229 1MB. The Jungle demo!
- D230 MovieSTE
- D231 1MB, BOING STE
- D232 1MB. Fantasia
- D233 1MB 3D Scroller • D234 - 1MB. Psychedelik House II By The Overlander. Aciiiid!!!

### **PDOM CLIPIT**

- VOL1 3MB of clip art images: sports, flags, animals, cartoons, humorous, Jewish, borders, all occassions, horses, eyes, etc. etc. All in Degas format compatible with ALL DTP packages. A 5 disk pack only £12.50
- VOL2 3MB of clip art images: men, woman, illuminated A to Z, arrows, stars, explosions, humorous, cartoons, pointing hands, food and lots of miscellaneous images. All in IMG format scanned at 200 DPI suitable for all quality DTP packages.
- A 5 disk pack for only £12.50!
   • VOL3 6MB of clip art images: boys, girls, babies, illuminated A to Z, arrows, art deco, all occassions, humorous, food, vegetables, fruit, meat, glasses and cups, banners, scrolls, calligraphic ornaments, herbs, kitchen utencils and more. All in IMG format scanned at 200 DPI suitable for all quality DTP packages.

Abbreviations Used:

MMR-Mono Monitor. CSR-Colour Screen.

A 10 disk pack for only £25.00!

DSD-Double Sided Disk. 1MB-Requires 1MB RAM.



### Disk prices:

all disks are priced equally depending on how many you buy: 1 to 5 are £3.00 each,

6 to 10 are £2.75 each 11 or more are £2.50 each. All prices are fully inclusive. Please send a cheque or postal order payable to Pdom PD Atari STU

P O Box 801, Bishop's Stortford, Herts, England, CM23 3TZ.

Foreign Orders: EEC add 10% (minimum £1.00) Non EEC add 30% (minimum £1.00) Non EEC & Spain, Greece, Portugal, Eire & Italy MUST also add £1.75 for registered post.

Full indepth details of all our 800 disks are in our disk based catalogue only **70P** 

Send an SAE & a 22p stamp for a FREE

copy of our printed catalogue. Shows concise details of the top disks.

Visa & Access VISA Credit **Card Hotline** 0279 757 692 Mon-Sat 9am-5pm

₽

# Public

Once again John Butters has been keeping his ear to the ground to find out what's been happening in the world of free software

# Sector



The very best in free software

### TRY TO TYPE

early everybody uses a computer for some part of their job. Office workers are the most likely to encounter them, but even the least likely of careers demand their use at some time. For example, car mechanics can save a huge amount of time using a small computer to store prices of individual parts and so on.

Typing is taught at most secondary schools, but is often not considered by men, who dismiss it as a subject for the girls – this is utter nonsense! Men are just as likely to need to use a keyboard as women, and there are both commercial and free programs which can assist the improvement of keyboard skills.

Typing Tutor is the best of

the free programs and has been written in STOS. It runs in either colour or glorious

black and white.

Although computers and software differ from company to company, one thing which remains constant is the good old QWERTY keyboard, and the first thing Typing Tutor teaches is familiarity with this keyboard layout.

A map of the keyboard is printed in the centre of the screen and three lives are given to the user. Certain keys will be highlighted and it is up to the student to press the corresponding key on their machine. Incorrect entries result in the loss of one life, and points are awarded for speed.

Typing Lessons is the part of the program where a

series of characters are printed on-screen. Mainly testing the keys found in a certain area of the keyboard, the letters should be keyed as they appear in the work area. Once the lesson has finished, the student is informed of their typing speed, in words per minute and the number of mistakes made.

A few other options – although less important – turn Typing Tutor into an idea program if you wish to increase your typing speed. Unfortunately, the program doesn't actually teach students which fingers to use for the individual keys – it just helps with practising.

Sounds interesting? Goodman Enterprises can supply the program on disk GD523.



One of the better typing tutors available for the ST. To begin with just learn the keyboard

### MT SOFTWARE

PUBLIC DOMAIN. LICENCEWARE, SHAREWARE FOR **ATARI ST/STE** 

### SEND SAE FOR OUR FREE CATALOGUE

**5** 0983 - 756056

(24 hour) Greens Ward House, The Broadway, Totland, I.O.W. PO39 OBX





### FOR EVERY 3 DISKS YOU BUY, YOU MAY CHOOSE ANOTHER DISK ABSOLUTELY FREE

### COLOUR GAMES

G106 -Die Alien Blob - Shoot Out (game of the month) G044 -Flight Simulator G101 -League Soccer (DS) G102 -ST-umped - Cricket

G049 -Tennis Simulation

G086 -1st Serve Tennis G103 -Top of the Pops G104 -Bermuda Race 2

G105 -Joke Selection G100 -Slalom, Galactic Ranger, Widow maker

G114 -Skidpan - Racing G116 -Chunnel - French Tutor

G072 -Bumper Jack G056 -Empire Builder, Jumpster, Lost Treasure G045 -England Team Manager G019 ST-Vegas

G011 - Give Us a Break

G039 -Heads and Hammers G043 -Treasure Search G079 -Monkeys + Balloons, Spectral Sorcery,

Racing G070 -Space Baller, System 5 G061 -Stocks and Bonds G071 -Rush

G081 -Money Run, Atari Wars, Wall War, Twisty -Bunny Hunt (not STE)

G018 -Floyd the Droid G019 -Pacman, Laserchess, Windball, Royale G002 -Strip Breakout

G020 -Lunar Lander, Spacewar G031 -Megaroids, Star Battle, Time Bandit

G017 -Cribbage, Minigolf, Pickpocket, Quiz G077 -Motorbike, Blackjack,

Patience G003 -Azarian, Bridge, Baller G007 -Cubemaze G027 -Backgammon, Yahtzee, Stone Age Deluxe G033 -Cube World

G042 -Rebus, Blockade G050 -Cheats Disk

G058 -Dungeon Master Levels G059 -Horoscope

G059 -Horoscope G068 -Ayatolla G069 -Upstart G082 -Yahtzy G083 -Companion G010 -ST Invaders, Barnyard, Happy 4, Star Trek G074 -Tunnel Vision, Patience G109 -Fruit Machine Simulator G110 -Company (not STE) G111 - Masterbreak

G111 -Masterbreak, Battleships, Escape G112 -Slider G099 -Addiction

### **ADVENTURES**

G087 -Tark G085 -Snatch + Crunch

G084 -Elven Crystals G095 -AGT Companion Disk G096 -Dudleys Dilemma G078 -Time Adventure

G054 -Tombs of Death

G054 - Tomos of Death G055 - HERO-Dungeons and Dragons (SH) G057 - DDST-Dungeons and DRagons (SH)

G052 -Invasion G053 -Assassin

G075- Nethack (DS) (1 meg) G038 - Wizards Tower

G038 -Wizards lower G040 -Asylum G037 -Under Berkwood G015 -King Text Adventure G006 -Darkness is Forever G012 -Colossal Cave

Adventure G004 -Doppyworld, Coxleys House, Dark Pearl G034 -HACK - the original

version G035 -Eamon - Fantasy Role playing

### MONO GAMES

G069 - Napoleon G097 -Hi Tec Trivia. Chordmaster (not STE)

-Anduril, Runners Revenge -Pacman, Puzzle

G029 -Space Invaders, Chess, Arkanoid

G062 - Arkanoid Construction G063 - Around the World in 80

Days -El Bozo, Sherlock,

Squixx, Happy 4 G067 -Pentimo

G076 -Shanghai

### EDUCATION

G09 -Spelling Made Easy G016 -Maths Made Easy G080 -Speller (not STE)

G022 - Kidpotato, Kids ABC, Kidsketch, Kidstory G023 - Kidsong, Numeric Go Round, Kidpublisher, No

G041 -Kidmusic, Kidpiano, Kidgraph, Kidgridz G036 -History File (3 disks)

G094 -Colouring Book G098 -Shipwrecked - Maths, Hangman

### EDUCATION PACK 1 5 DISKS ONLY £10.99

Lots of educational programs for the youngster. Includes Kidpotato, KidsABC, Kidsketch Kidstory, Kidsong, Numeric Go Round, Kidpublisher, Number Maze, Kidmusic, Kidpiano, Kidgraph, Kidgrid 2, Colouring Book, Shipwrecked, Hangman

### **EDUCATION PACK 2** 10 DISKS ONLY £19.99

\* NOW STE COMPATIBLE \*

A bumper education pack that includes G9, G16, G22, G23, G41, G36, G94, G98

### MUSIC + MIDI

M007 -16 voice sequencer by

Henry Cosh M013 - Yamaha PSS Voice Editor M009 -TX812 Voice Editor M010 -FB01 Voice Editor

M008 -MT32 Editor (Demo) M003 -Casio CZ Ed/librarian M005 -CZ Voices + Librarian

M029 -Kawai K1 Ed/Librarian M027 -Music Studio Player M028 -50 New Quartet Sounds M014 - Midi Channel Scope

(mono) M017 -DSO Librarian M015 -Synth 50

M016 -Composer M018 -Sampled Sounds + Player

M021 -Music Writer (mono) M022 -Piano

M023 -Stacatto D014 -EZ-Track demo D018 -Steinberg Pro 24 demo

(mono) D029 - Quartet + Replay Prof Demo

D062 -Mastersound Demo

### BUSINESS

U009 -1st Base - Database U012 -DB Master - Database

U013 -Datahandler - Database U036 -Card ST - Database U039 -WG Data - Database

U072 -TCOS-Graphical Database WP01-ST Writer Elite

WP02 -Mailmerge, Spellchecker, Word Counter

U017 -Home Accounts B031 -Electronic Bank Statement

U030 -ST Sheet - Spreadsheet U078 -Sheet V2 - Spreadsheet

(DS) U034 -Double Sentry Accounts (SH)

U041 -Typing Tutor U082 -Typing Tutor

U040 -Inventory Pro U042 -Opus 2000 -Spreadsheet (DS) (SH)

U056 -Word 400 U070 -Adddress Book U090 -FiloFact (SH)

U089 - Zapcard, Typist, Banker

### **EASY TEXT PLUS**

A fully featured desktop publishing package that produces stunning results on 9 pin, 24 pin and laser printers.

### ONLY £19.99

RING FOR DETAILS

U19 -MONO EMULATOR. Run mono programs on colour TV/monitor U79 -COLOUR EMULATOR. Run Colour programs on

### mono monitor ART + GRAPHICS

A001 -Palette Master A002 -Artist (mono) A003 -Master Painter

A003 -Master Painter A005 -Public Painter A009 -Vangogh, Studio 2 A010 -Publishing Partner Fonts A012 -Pearle-3D Raytracing A013 -Printmaster Library Disk A019 -Easytext + Demo A020 -Fractal Zoom

A021 -Simple Draw A022 -Electrical Planning (mono) A023 -Movie Constructor/Face animator (mono)

A094 -ANI-ST A026 -Doodle A029 -Flexidump Demo

A031 -ST CAD A032 -Hyper-Text A033 -Canvas, GFA Raytrace -useable demos

useable demos A034 -Animate A036 -Picture Converters A037 -Calamus fonts WP07 -Script Fonts A008 -Degas Accessories

### UTILITIES

Disk Copiers/Formatters, Virus Detectors/Killers, Desk Accessories Superboot Utilities AND MUCH, MUCH MORE

### CLIP ART

We have many disks of clip art for use with all DTP packages

### CLIP ART PACK 6 DISKS FOR ONLY £16.99

5 Double Sided Disks full of Clip Art + 1 disk full of format converters. Ideal for ALL DTP packages.

● Aimals● Office● Sport● Flags • Maps • Fonts • Food ● Christmas ● Trademarks and lots lots more

PROGRAMMING

P034 -STOS Tutorial P030 -STOS Example Programs P022 -STOS STE Upgrade P008 -C Tutorial (3 disks)

P017 - C Programs P019 - Sozobon C

P020 -C Compiler P015 -68000 Assembler

P013 - Josassembler, Tiny Basic, C Compiler P000 - TOS 2 - Old Op. System P001 - ST Basic Programs P011 - ST Basic Programs

P028 -Fast Basic Programs P014 -Gem Information

P025 -Pascal Programs P026 -Pascal Information P005 -Adventure Writing System

P031 -Small Talk P032 -ST Icon V6.3

P027 -Modulo 2 (2 disks) P004 -Forth 83 P007 -Forth

### C PROGRAMMERS PACK 6 DISKS ONLY £16.99

Complete package for any-body learning C. Comprises Sozobon C (fully configured and ready to use) + 4 disk tutorial. Ideal if you are following the series in ST Format

### SPECIAL INTERESTS

U033 -Football Pools Prediction U074 -Speech Synthesis

(not STE) U068 -Geneology (shareware)

U083 -Neugen-Geneology (shareware) U075 -Film file - lots of info U065 -Planets - guided tour

U045 -Planetarium U084 -Amateur Astronomers

Guide to the Night Sky U053 -Orbit-Satellite Tracking U060 - Welcome to Chemistry (not STE)

U064 -Chemistry (not STE) U081 -Patcard-Knitting Patterns

(not STE) U054 -Assistant Chef U043 -Starnet, Mini BBS U048 -Citadel BBS (DS)

-Vanterm -Communications C003 -Packet/RTTY System

C004 -Morse Tutor C011 -PK232 Fax

### STE DEMONSTRATIONS

D074 -STE Atari France D069 -STE - Sound Off D065 -Movie STE

D066 -Boing STE (1 meg) D067 -Fantasia (1 meg) D068 -3D Scroller (1 meg) D084 -ACID (1 meg)

### PRODUCT DEMOS

D041 -Flair Paint D036 -Calamus (DS) (1 meg)

D015 -Autoroute D077 -Personal Finance Manager D012 -Superbase Personal D058 -Funschool 2 (2 DISKS)

D012 -STOS Demo D024 -K Spread 2 D030 -Space Ace

### GENERAL DEMOS

DB20 -Mindbomb

D056 -Predator D054 -Robocop (2 disks £5)

(1 meg) D038 -Union Demo D071 -Sewer Demo

D075 -Elvira Demo D073 -Star Wars D057 -Snowman Demo D052 -Hard Driving

D016 -Spitting Image + MUCH MUCH MORE

### **BUDGIE UK**

B1 -Damanoid B2 -Football 88

B3 -Blitz III

B4 -Othello B5 -Pro Darts

B6 -Dr Boris B7 -Ballzone

**B8** -Speculator B9 -Tycoon

B10 -Moneyspinner B11 -Maelstrom B12 -Ace Invaders

B13 -Zenith

B14 -Goldrush

B15 -Perils of Penfold B16 -Word Puzzle Generator

B17 -Make A Break

B18 -Parabellum B19 -Tri-Hell + Cosmoss B20 -Operation Angelica

B21 -Impulse

B22 -Bandit

B23 -Space Blob B24 -Slippery Sid

B25 -Scary

B26 -Subhunt + Sea Fisherman

-Death Camp

B28 -Psycotic B29 -Carrier Attack B30 -Quest for Galaxia

-Runaway

B33 -Sprite Master B34 -Safe as Houses (Monopoly)

B35 -Crystal Caverns B36 -Dogfight, Lightcircles B37 -Mr Dig, Tank Battle B38 -Inferno

B39 -Onyx B40 -Crosswords

B41 -Exodus B42 -Dizzy Lizzy B43 -Bounty Hunter B44 -Exterminate

ORDER OUR FREE CATALOGUE FOR FULL DETAILS

### **HEY KIDS + KID ZONE**

2 Great new educational packages written by Paul Smart Designed for 3-7 year olds they teach –

• Basic Colour Identification • Basic Shape Identification

■ Letters on the keyboard ■ Telling the Time ■ Grid reference work ■ Counting ■ Spelling EDUCATION + FUN ROLLED INTO ONE FULL DETAILS IN OUR CATALOGUE

BUY A BOOK AND CLAIM A FREE DISK

### MT Software 2 0983-756056

The above illustrates a small selection from our catalogue. Many of the disks are also available as double sided compilations - please see our catalogue or ring for details. CODES ARE AS FOLLOWS:

DS - Double Sided Disk SH - Shareware 1 MEG - 1 meg of memory required

MONO - High resolution NOT STE - Not STE compatible SINGLE SIDED DISKS 63.00

DOUBLE SIDED COMPILATIONS 63.50

PLUS ONE FREE WITH EVERY THREE (Immediate despatch by 1st Class Post included)

Overseas - Europe - add 10%, Rest of world add 20% Help and Advice always available MAIL ORDER ONLY





9am-6pm Mon-Sat Outside office hours ring 0983 756056 MT SOFTWARE **Greensward House** The Broadway Totland, IOW PO39 0BX

### MT SOFTWARE **BLANK DISKS**

**ONLY THE BEST** FROM MTS

### ALL PRICES INCLUDE POSTAGE, PACKING + VAT

### TO LAUNCH OUR NEW DISKLINE SERVICE WE SHALL, UNTIL FURTHER NOTICE, OFFER BLANK DISKS AND STORAGE BOXES AT AMAZING PRICES

- Highest Quality Disks
- Lowest Possible Prices
- Double Sided/Double Density
- Protective Wallets
- · Lahels
- 100% Error Free

10 Disks			£6.99	£4.99
10 Disks + 50	Cap Locka	ble Storage Box	£11.99	£9.99
10 Disks + 100	Cap Lock	able Storage Box	£13.99	£11.99
25 Disks			£14.99	£11.99
25 Disks + 50	Cap Locka	ble Storage Box	£19.99	£16.99
25 Disks + 100	O Cap Lock	able Storage Box	£21.99	£18.99
50 Disks	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	£26.99	£22.99
50 Disks + 50	Cap Locka	ble Storage Box	£31.99	£27.99
50 Disks + 100	O Cap Lock	cable Storage Box	£33.99	£29.99
100 Disks		• • • • • • • • • • • • • • • • • • • •	£49.99	£42.99
100 Disks + 10	00 Cap Loc	ckable Storage Box	£54.99	£47.99
Digital residence in the control of	SERVICE STATE OF THE SERVICE	THE WATER CONTRACT OF THE PARTY		



### SPECIAL OFFER \* ST Dust Cover.....£4.99 25 Blank Disks + 50 cap. Box .....£19.99 Normally £28.97 ONLY £21

COLOURED LABELS	
50 Disk Labels	£1.50
100 Disk Labels	£2.50
1000 Disk Labels	£13.50
TRACTOR LABELS	
100 Disk Labels	£3.00
200 Disk Labels	£5.00
1000 Disk Labels	£15.00
STORAGE BOXES	
50 Cap. Lockable	£6.49
100 Cap. Lockable	





### Don't take our word for it...

"TC Developments has certainly aimed to give maximum value and flexibility in this neat and tidy package"

New Computer Express, No. 82, June 90

"Anyone with a degree of interest in the stock market should consider taking a serious look at ProShare"

ST World, No. 51, May 90

"ProShare is very slick".

Computer Shopper, No. 27, May 90

### **ProShare ST** lets you move in on the market...

ProShare ST is a powerful and versatile software package which gives you a great advantage in the stock market.

It is capable of storing and managing thousands of share deals, can analyse the information, effectively detect buy and sell indicators, and update prices with the aid of CEEFAX, ORACLE or a newspaper.

Yet despite its sophistication, it is remarkably simple to

use and present data in an easy to understand manner even financial novices will soon become familiar with the workings of the stock market.

ProShare ST is available for a short period only and you can save over £7.00 off the recommended price if you buy it from us.

RRP £49.95

To order, please use the form on page 149

## GWS

A couple of programmers have been hard at work creating new versions of their programs. The first of these is the Little Green Selector which is now up to version number 1.8, and secondly MIDI Music Maker version 1.81 now plays any music file.

Goodman Enterprises has received its Autumn/Winter 1990/91 International Public Domain and Shareware Guide from the printers. The cover price of the catalogue is £1.95, but of course subscribers can expect to get theirs free of charge. As well as a description of the many disks in its library, there are reviews of new programs and some extracts from Martin Russ' MIDI Guide.

If you're looking for a good demo, take a look at French Kiss, which is available exclusively from Goodman Enterprises.

Various digitized bimbos attempt to dance about in the centre of the screen. The hit of the same name as the demo plays throughout and it can be speeded up or slooowwwed down, as well as having its track numbers adjusted.

Described as 'the best yet' is a new demo also from the Stafford-shire-based library. The Inner Circle team has come up with the Decade Demo which contains more than an hour's music and various graphical demonstrations.

PDQ games now has its alphabetical games catalogue of more than 600 games on disk. To get your copy contact the library at the address given at the end of this section.

Seemingly, people are having trouble finding Elmsoft at Canal Market, Camden Lock. OK, listen carefully; to get there by Tube, go to Camden Town Station and a short walk will take you to the Haven Street entrance.

The stall is the first one to sell PD in the market and is open on Saturdays and Sundays 9am to 5pm. The mail order service is available, so don't worry if you can't get there.

### RAM DISKS

Among the most useful of utilities must be RAM disks. Sitting in the machine's memory they appear to act just like a normal disk drive, although they can only be used as a temporary storage area. As you would expect, all their contents are lost when the ST is powered down.

RAM disks are especially useful for those with only one disk drive. Files can be moved in and out of a RAM disk much faster than if it were a floppy or hard disk.

One situation in which such a disk would be a very definite advantage is where a disk is copied several times. By dumping the disk's files into a RAM disk, they can then be copied out of it onto the new floppy and lots of time will be saved.

Scores of such disks haunt the public domain scene, so to save time searching for the best, take a look at the following:

● Rambaby is thought by many in the PD world to be the best of those available at the moment. This RAM disk and printer spooler is a replacement for the older Intersect. Placing the file RAMBABY.ACC into your boot disk will make the program resident as a desk

accessory whenever the computer is turned on.

The disk is set up by selecting INTERSECT Rambaby from the drop-down menu. Its size is defined. along with the proposed drive letter (up to P), through a dialog box, and can be configured to be ready on boot up. The drive is then installed from the relevant drop-down menu selection. Some STE users complain that the program doesn't work too well on that model. but otherwise it's a fine example of this most useful utility. MT Software, among others, has the program.

• Germany is the place to go to see the ST put to serious use. There are hundreds of good German public domain programs, but as a rule they tend to be of little use to British users because most remain untranslated.

One which is of use though is EDISK. The documentation has been fully translated into very readable English. The program is based on Eternal, one of the first reset-proof RAM disks.

Two files are placed onto your boot disk, one of which must be put into its AUTO folder. On boot up the RAM disk is installed manually, by selecting Install Drive from

the normal drop-down menu. Its size and the drive letter can be changed by using the second program ECONF.PRG, with its size being varied between 10 and 3900K.

With the same compilation of programs comes EKILL21.PRG. As its name suggests, it's used to free the machine of RAM disks. By forcing cold restart, the machine's memory is cleared and if no RAM disks are found, the amount of free memory space is flashed quickly onto the screen. Goodman Enterprises supplied my copy of the program.

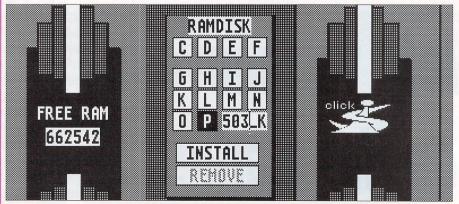
• QwikDisk version 1.1 is another of the desk accessories. Its files are put into your boot disk and will be ready to use whenever you fire up the computer.

Activating the program from the drop-down menu will cause a dialog box to appear in the centre of the screen. The disk will automatically be labelled M and its size is user-defined as 64K, 128K, 256K, 384K or 512K. It is easy to install or remove the drive whenever required.

Once again a documentation file gives clear instructions on how to use the disk.



QwikDisk is resident as a desk accessory



Good, but problems when used on the STE



GFA is pleased to announce that we are now distributing Digigram MIDI based products. Technical specifications of all GFA and Digigram products are available on request.

> **GFA Data Media Box 121** Wokingham Berkshire, RG11 1FA

Tel: (0734) 794941

I wish to pay for the items indicated by Visa/ Mastercard; please chargeto my account. My card number is:
Signature Expiry date/  Order date
Name (on card)
Address
Postcode

### SOFTVILLE **COMPUTER SUPPLIES**

Unit 5, Stratfield Park, Elettra Ave. Waterlooville, Hants. PO7 7XN Tel: 0705 266509 Fax: 0705 251884



Prices (each disc) 1 - 5 disks -£3 6 - 9 disks -£2.75 10 or more -£2.50 Buy ten choose another FREE Choose any 5 disks, get 5 blanks labels and a library case for only £16.50 Ask for starter pack





COMS17-7Flash for use with Flash/Shadow COMS21-FLYINGSTART for Prestel

Send 37p SAE for our FREE catalogue, state ST

**PUBLIC DOMAIN &** 

SHAREWARE

for the ATARI ST range (Amiga, PC also available)

3. Same day service (Mail & phone/fax before 12am)

4. Pay by Access, Visa, Cheque, PO or cash

1. Huge selection - over 2000 disks

2. Over Four years Experience

5. Order by Phone, Mail or Fax 6. Official/Government orders accepted

7. 90 page catalogue FREE

### These are brief descriptions, the disks may contain much more. We are constantly updating our discs and ship the latest versions we have.

### DATABASE PROGRAMS ACC26-DBMAN, easy to use ACC53-FIRSTBase, memory resident ACC72-DATA Handler, GEM based ACC74-FREEBASE, menu driven ACC75-WGDATA, complete system

ACC88-Database Construction, not v1.09 ACC89-ZAPCard, card index style ACC92-SONGFILE, record collectors

### **WORD PROCESSORS**

WP12-STWriter Elite v3.8, the best WP66-MAGNWRITER, 3xhight letters ACC21-WORD400, accessory wp. WP23-EDMAX, the text editor

### **SPREADSHEETS**

ACC23-VCSPREAD, onn GEM but usable ACC31-STSHEET, fully WKS compatible D/S ACC76-OPUS200, the best! - 1 meg

### **FONTS**

WP28-Pub Part fonts-Hudson, Columbia, Devoll, Thames, Spokane, Saturn etc. WP29-Pub Part fonts-Avgard, Caligrify, Courier, Elegance, West Side etc. WP63-CALAMUS fonts-Over 40 on this disk some complete, others upper case only.

### CLIP ART

All are mono, each disc contains a converter program. If you require them in .IMG format you need our disk ACC84 for a good converter WP8-Animals, Militaria, Flags etc. WP24-Trademarks from 1920's WP26-17 screens of Mac clip art WP31-Whimsical animals WP32-Office humour WP37-22 screens of FOODS WP41-15 screens of Christmas designs WP59-Garfield, 20 screens We have over 30 disks full of clip art, see our

### UTILITIES

catalogue for pictures/descriptions

ACC24-MONO EMULATOR (not for art prgs) ACC57-TURTLE hard disk backup (1 meg) ACC63-UNTURTLE for use with the above ACC64-Star colour set-up etc. ACC69-Mouse pointer editor ACC70-STICKER3, disk labeller - high-res ACC79-QUICKDISC collection ACC80-picture converters ACC82-SUPERBOOT v6, all in one setuprg. ACC85-2 D/S disks of desk accessories - £6 ACC86-ZX81 emulator ACC87-GEMINI replacement desktop ACC96-FCOPY3 - Good copy program ACC98-Hack 'n COPY copy program ACC99-VAULT hard disk backup prg (520) Acc100-LHARC, UNLZH, ARC6.02 etc. ACC101-BUSINESS/Personal address book

### **ART and DRAWING**

ART1-NEOCHROME, original and best ART4- MASTER PAINTER, excellent ART7-MANDELBROT/MEGABLIT ART8-LANDSCAPE generator ART10-PALLETTE MASTER ART13-STUDIO/VAN-GOUGH ART15-FRACTAL - ZOOM ART24-PUBLIC PAINTER - High-res ART25-AN-ST, animation package ART27-E-PAINTER for children ART28-COLOUR BOOK for children

### COMMUNICATIONS

COMS3-UNITERM, standard package COMS16-VANTERM fats gaining popularity

### **GAMES - STRATEGY**

8. Professional Service, ring for advice!

GAME58-HACK D&D game (1 meg) GAME6-Colossal Cave, original GAME68-STARTREK (1 meg, not STE) GAME70-SPECTRAL SORCERY, good GAME83-Snatch & Crunch - adult! GAME84-ELVEN CRYSTALS GAME85-TARK, text adventure GAME103-TETRISIDE, TILES, VSQ (GOOD) GAME104-RISKY, version of RISK (hi-res)

### **CARD/BOARD GAMES**

GAME2-CHESS, MONOPOLY (USA) GAME9-CHECKERS, EBW GAME18-LASERCHESS, different GAME88-RACEPLUS, pseudo monopoly GAME89-ADDICTION, Patience (not STE)

### QUIZ/EDUCATIONAL/KIDS

GAME11-KIDgraph, Note, Grid - section of the now famous brumleve games for kids. GAME13-Tunnel Vision, great maze game GAME56-3 disk set - HISTORY FILE (£8) GAME61-KDpotato and others for Kids GAME62-NUMBERMAZE, Number-go-md GAME91-WORLD, test knowledge (hi-res) GAME93-Computer jargon quiz game GAME95-WOLF &KIDS, kids adventure GAME105-NOAHS ARC, spelling game

### **ARCADE GAMES**

GAME43-DURCHER, arkanoid clone GAME45-FLOYD the DROID, shoot 'em up GAME67-HEADS 'N HAMMERS (not STE) GAME73-SOLO, Goldrunner type game GAME94-SUPER Breakout, high-res only

### **MISCELLANEOUS**

MISC1-SKY MAP (hi-res) MISC2-ORBIT, satelite tracker (hi-res) MISC4-VIRUS KILLER DISK - £1.50 MISC21-PLANETARUM, great program MISC26-CONSTELLATIONS (D/S) MISC18-INVENTORY-PRO, stock control MISC22-Double SENTRY, accounts package MISC23-POOLS PREDICTOR, clever program MISC27-FILM FIND Enquiry (D/S) MISC35-PATTERN CARD prg (knitting) MISC36-BSTAT statistical prg. (1 meg hi-res) MISC37-BILOG cycling diary (D/S 1 meg) MISC40-Complete solution Bards Tale 1

### **MUSIC & MIDI**

MUS5-Waddington sequencer, 32 track MUS32-COMPOSER mono & 1 meg needed MUS36-16 voice sequencer, colour MUS47-SCONVERT converts sound samples MUS50-ALCHIME Jr, 200+ tracks MUS51-STSOUND TRACKER (not Chears) (D/S Col) MUS53-SoundTracker module player (D/S ! meg Col) MUS54-Modules for above (D/S colour)

### **DEMONSTRATIONS**

We have hundreds of product and graphic demonstrations - below is just a small selection (all are colour only)

DEM116- The UNION DEMO, now famous! DEM111-The JUNK demo, Care Bears DEM164-WHATAHECK DEMO, Bears (not STE) DEM206-SOWATT DEMO, Care Bears again! DEM223-SWEDISH NEW YEAR demo 2 (D/S) DEM228-ST CONNECTIONS demo (D/S) DEM235-Care Bears SOUNDTRACKER (D/S 1 meg) Below are for the new STE machines only DEM207-Official ST'E' demo DEM214-FANTASIA, very good DEM215-3D SCROLLER DEMO DEM216-THE MOVIEST DEMO

We have HUNDREDS of disks full of Pictures, STOS, Basic Ham Radio, Languages etc. in fact, everything you need

### **BECOME A** GRANDMASTER

There is certainly no shortage of chess programs for budding grandmasters. Cover disks, PD libraries and commercial software houses have them packed into any spare disk sector, and Datachess is an addition welcomed by keen players.

It's based on the past games of professional players between 1984 and 1987, and its aim is to help chess players pick up useful tips from world championship matches.

Each of the six files on the disk holds 25 games, and once loaded any of those games can be played forward or backwards. move by move. The game can be replayed from the start or end, and quite often you find that the game ends in a draw.

Games can be deleted and, when they arrive, new ones can be added. Datachess is run in low resolution colour, so once again monochrome users miss out.

A few annoying bugs spoil this otherwise excellent piece of software, but if you have a colour monitor, get on to Goodman Enterprises, which has Datachess as licensed software for only £2.95.



View championship games to improve your game



Elmsoft, PO Box 17, Loughton, Essex IG10 2EE.

Goodman Enterprises, 16 Conrad Close, Meir Hay Estate, Longton, Stoke-on-Trent, Staffordshire ST3 1SW.

Kingsway Computer Services, 72 Glencoe Road, Sheffield, S2 2SR.

MT Software, Greensward House, The Broadway, Totland, Isle of Wight PO39 0BX.

PDQ games, PO Box 38, Eastleigh, Hampshire SO5 2WR.

Softville, Unit 5, Elettra Avenue, Stratfield Park, Waterlooville, Hampshire PO7 7XN.

South West Software Library, PO Box 562, Wimbourne, Dorset, BH21 2YD.

Wizard PD, 178 Waverley Road, Reading, Berkshire, RG3 2PZ.

### THE BEST ON DISK

Finding a brilliant PD game is pretty difficult, finding seven on the same disk is near impossible. Such a disk exists, in the shape of Compendium. Although not public domain it's cheap enough to warrant coverage on these pages.

There are actually eight games in the compilation, all based on popular games of the past. The disk boots up to give a view of a 520STFM keyboard and an Atari mouse. All input in the menu is done using the mouse on the machine's keys and this is achieved remarkably well, with the keys actually shown being pressed down. And whenever the disk is accessed the little red disk light illuminates as it does on a real ST.

The whole compendium is based on two players gambling away their money (the second player is essential for some of the modules). The first game is the card game Pontoon. Both you and the computer are dealt two cards but you can either ask for more, a redeal or you can stay with the original cards. The aim is to get the total value on your cards higher than the computer's hand, although not more than 21.

Draughts is the second of the favourites. Played against another person, the game has a well-drawn board but is let down by the inability to quit once a game has begun.

Connect Four was a big hit with kids and adults a few years ago and is brought to the computer screen in Compilation. Each player takes turns to stick a red or yellow disc into a grid, and the winner is the first person to complete a line of four in any direction.

Can there be anyone who doesn't enjoy a

game of hangman? Doubtful, and so the game has also been included here. A subject, such as towns, is selected by the computer and the second player enters an appropriate word, such as Stockport.

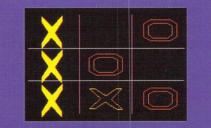
The rest of the game progresses as you would expect. The word must be guessed before you are hanged- quite a spectacular event! Superb graphics convert Hangman into much more than the usual attempts to simulate the paper and pencil game.

Oxo, or Noughts and Crosses as most people know it, is the fifth program in the bunch. Graphically it's good, considering there's not too much that can be done with the game

The next game, Horse Racing, is boring and static, the program doesn't even warrant space on the disk. Things look up again in Battle Ships, which again needs little explanation. As in the classic game, the player's aim is to sink the enemy's fleet by choosing which part of the sea to bomb. The player has a limited number of attempts complete the attack

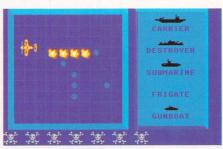
Simon Says is the last program on the disk and is far from the best. It's another twoplayer game with four colours printed around a circle. The computer illuminates the colours at random, and the player has to remember which were lit then reproduce the pattern on the same circle. If successful, the same colours will be illuminated but an extra one will be added at the end. The game is over when the pattern is not re-entered correctly.

This is a collection of favourite games well worth the £2.95 asking price.



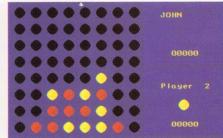


Battleships - action-packed





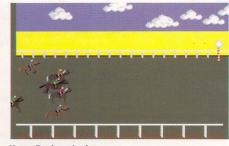
Hangman - suspenseful



Connect Four - mind expanding



Draughts - strategic



Horse Racing - boring

### MACH

### **HARDWARE**

### 520 ST-FM DISCOVERY PACK

Bomb Jack, Space Harrier, Carrier Command, Out Run, STOS, Neochrome, First Basic, ST Tutorial. Discover the Atari ST £269.99

### 520 ST-E TURBO PACK

Indiana Jones Last Crusade, Impossible Mission II, Human Killing Machine, Super Cycle, Outrun, Anarchy, Blood Money, Dragons Breath First Basic, Hyperpaint II, Music Maker II, STOS, Joystick £359.99

MEGA 1 ST	.£514.99	
MEGA 2 ST	RING	
MEGA 4 ST	RING	
TT	RING	
Stacy	RING	
SM124 Mono Monitor	£99.99	
SC1224 Colour		
Monitor	.£224.99	
MEGAFILE 30 Hard		
Drive	£439.99	
MEGAFILE 44 Hard		
Drive	£799.99	
MEGAFILE 60 Hard		
Drive	£599.99	
SLM 605 Laser Printer .	RING	
STM-1 Mouse	£24.99	

### ATARI LYNX

Hand-held colour games system, 16 Colours from a possible 4096, Full colour LCD, 32 bit/4 channel sound, LCD, 32 bit/4 channel sound, Multiple Player Options, Supplied with California Games Card, AC or Battery Powered £159.99

### Lynx Games also available Blue Lightning .....£24.99 Chips Challenge ....£24.99

- · Electra Cop.... · Gates of Xendocon .£24.99
- · Gauntlet-Third .£28.99 Encounter.

### SOFTMACHINE POWER PACK

Chess Player 2150, Live & Let Die, Rick Dangerous, Drivin' Force, Onslaught, Pipemania, Rock 'n' Roll, Skweek, Asterix, Trivial Pursuits Only £25\*

Word Proce	SSING
1st Word Plus	£57.95
<-Word 2	£27.95
Microsoft Write	
Protext V5	£102.50
Textpro	£31.95
Wordflair	
Word Perfect	£169.95
Word Up	£47.50
Word Writer	£37.50

### ATARI PORTFOLIO

Intel 80C88 Processor, MS DOS Compatible Upgrading System, 256k Rom, 128k System, 2004 north, 1268 Ram, Externally Expandable to 640k Ram, 32, 64, 128k Ram Cards, LCD Super Twist Display/MDA Compatible, Size 8x4x1", Weight 495g (with batteries).

Applications:
• Calendar • Diary • Address Book • Phone Book • Lotus 123 Spreadsheet • Text Processor • Comms Software £174.99

### SOFTMACHINE STARTER PACK

Deluxe Mouse Mat Tailored Dust Cover Drive Head Cleaner 10 TDK MF2DD Disks 80 Capacity Lockable Disk Box

ONLY £20\*

\*When purchased with any ST computer...Offer limited to 1 starter pack per ST purchased!

### 1040 ST-E EXTRA PACK

ST Word, ST Base, ST Calc, ST Graph, S.T.A.C., Prince, HyperPaint, First Basic £449 99

### PERIPHERALS

NEW - Philips MkII Mo	nitor	14
Stereo Colour N		
Complete with earphon		
and cable. Please state		
STE when ordering		
8833 MkII	£239	99
8833 MkII Artist	£239	99
Cumana 1Mb 3.5" Drive	£74	99
Cumana 1Mb 5.25" Drive .		
0.5Mb Xtra-RAM		
2Mb Xtra-RAM	£172	50
0.5Mb Xtra-RAM STE		
2Mb Xtra-RAM STE		
4MB Xtra-RAM STE		
Forget-Me-Clock II		
PC Ditto II	£212	.50
PC Ditto IIPC Speed	£242	50
Spectrer GCR	£359	99
A.T. Once	£174	.99
Hitachi Camera & Lens	£219	.99
Vidi ST	£84	.99
Type 10 Handy Scanner		
Datascan Personal		
Datascan Prof	£224	go

Cherry A3 Tablet	£479.99
Designer Modem	£104.99
Pro 4 Modem	£399 99
Linnet Modem	£144.99
Linnet 1200 Modem.	£224.99
Linnet 2400 Modem.	£359.99
WS 4000 Modem	£164.99
Replay V8	£64.99
Replay Professional.	£99.99
Naksha Mouse	£34 99
Contriver Mouse	£22.50
Contriver Trackball	£32.50
Marconi Tracker Ball	£49.99
10 x Sony Bulk 3.5"	
10 x Sony MFD2DD :	
10 x TDK MF2DD 3.5	"£11.99
3.5" 40 Cap. Lockabl	e Box£5.99
3.5" 80 Cap. Lockabl	
3.5" 150 Cap. Posso	
3.5" 70 Cap. Banx Bo	
3.5" Head Cleaner	
Printer Cable	
Scart Cable	
Mouse Mat with ST I	ogo .£5.99

### Воокѕ

Alair of ou diaphics Flug. 210.33
Atari ST Basic to C£18.45
Atari ST Logo Users
Guide£16.95
Atari ST Mach Lang
68000£16.95
Atari ST Prog Gde Weber£22.95
Atari ST Tricks & Tips£16.95
Computes * Machine
Lang£18.95
Game Makers Manual * .£11.95
Graphic Applications *£9.95
Kids and the Atari ST£16.95
Learning C on
Atari ST£18.45
MIDI & Sound Book for *£16.45
Musical Applications *£5.95
Presenting the Atari ST£15.95
* Appl Gde to Prog in C .£19.95
ST Artist£17.45
* Disk Drives Inside
& Out£18.95
Tech Ref Gde * Vol 1
VDI£19.95
Tech Ref Gde * Vol 2
AES£19.95
Tech Ref Gde * Vol
3 TOS£22.95

**SPREADSHEETS** 

Atari ST 3D Graphics Prog. £18.95

Your	First Basi	C		£14	4.95
*	Indicates	Atari	ST	in tit	le

68000 Assembly Lang	£17.95
68000 Hardware &	
Software	£12.95
68000 Assembly Lang	
Prog	£21.95
68000 User Guide	£8.95
40 Great Flight Sims	
40 More Great Flight	
Sims	£14.95
Falcon Air combat	£14.95
F19 Stealth Fighter	
H/book	£13.95
Flight Simulator	
Odyssey	£14.95
Flying Flight Sim	
Gunship Academy	
Jetfighter School	£11.95
Jetfighter School II	£14.95
Learning to Fly	
Programming the	
68000	£23.95
Sub Commander	£12.95
Take Off Flight Sim	
Teach Yourself 68000	

### **DATABASES**

DG Calc£27.95 Base II	.£21.95
K-Spread£18.50 Data Manager Professiona	al£29.95
K-Spread 2£42.50 DG Base	.£34.95
K-Spread 3£62.50 K-Data	£34.95
K-Spread 4£89.95 Prodata	.£56.95
LDW Power£104.95 Superbase Personal	.£42.50
Logistix£69.95 Superbase Personal 2	.£69.95
Mini Office Spreadsheet.£18.50 Superbase Professional	£169.95

### LANGUAGE/COMPILERS/ETC

		PERSONAL PROPERTY OF THE PERSONAL PROPERTY OF
Devpac 2£43.5	50 K-Occam	
Fast Basic (Rom)£73.5	50 K-Seka	£34.95
FTL Editor Toolkit£35.9	95 Lattice C V5	£114.95
FTL Modula 2£49.9	95 Mark Williams C	£92.50
FTL Modula 2 Developer £69.9	95 Mark Williams csd	£42.50
GFA Basic V3 Compiler£22.9	95 Nevada Cobol	£35.95
GFA Basic V3.5 Interpreter £39.9		£62.50
GST C Compiler£15.9		£52.50
GST Macro Assembler£15.9	Prospero C	£71.95
Hisoft Basic£56.9	95 Prospero Fortran	£71.95
Hisoft C£35.9	95 Prospero Pascal	£71.95
Hisoft Forth£28.9	95 Prospero Dev. Toolkit	£52.50
Hisoft Power Basic£35.9	95 STOS	£21.95

### ROBOTICS ON THE ST

Lego technics control kits contain over 400 elements including 4.5v D.C. motors, Lego opto sensors, touch sensors, counting disks, bight bricks and electric cables. Full instructions are supplied for building a number of sophisticated

Robot kit interface	£/9.99
Robot kit power supply	£18.99
Logo technics:	
Control 0	£104.99
Control I	£94.99
Control II	£124.99

### **PRINTERS**

DOT MATRIX		Star LC24-10	£249.99
Epson LX400£	169.99	Star LC200	£209.99
Epson LQ400£2	249.99	Star LC24 200	£249.99
	244.99	Star LC24 200 Colour	£289.99
Seikosha SL-92AI £ Citizen 120D + P £ Citizen 124D £ Citizen Swift 9 £	174.99 284.99 134.99 219.99	Epson SQ2550	£584.99
Swift Colour Kit	£35.00	Gallott BJ 150E	.1349.99
Panasonic KXP1180£		LASER	
Panasonic KXP1124£		Epson EPL7100	
Star LC-10£	169.99	HP Laserjet IIP	
Star LC-10 Colour£	214.99	Canon LBP 4	£934.99

### UTILITIES

And the second second second second	Section 1
C Breeze Editor	.£21.95
Autoroute	
Craft 2	£35.95
Fontz	
G+ Plus	
Hard Drive Turbo Kit	£24.95
Harlekin	£35.95
Knife ST	£22.50
K-Graph 3	£34.95
K-Resource 2	£27.95
K-ExpertK-Ram	£55.95
K-Ram	£14.95
K-Index	£14.95
K-Rhymes	£14.95
K-Roget	£34.95
K-Graph 2	£27.95
K-Spell	£14.95
K-Switch 2	
Mailshot Plus	£34.95
MultiDesk	£25.95
Neodesk 3	
Partner ST	£36.95
PC Ditto	£64.95
Pie	
Quicktran	
Saved!	£21.95
Tempus 2	
Twist	£18.50
Turbo ST	£25.95

WERCS Plus...

	the second second
C-Lab Creator	£274.95
C-Lab Creator/Unitor	£579.95
C-Lab Notator	£457.50
C-Lab Notator/Unitor	£579.95
Cubase	£469.95
Dr. T's K.C.S	£199.95
Dr. T's M.R.S	£54.95
Dr. T's Tiger	£114.95
Dr. T'sX-OR	£219.95
K-Minstrel 2	£21.95
Quartet	£35.95

### COMMUNICATIONS

BBS V3	£41.50
Fastcomm	£38.95
Flash	
K-Comm 2	
Kermit and Remote	
Mini Office Comms	£18.50

### DESKTOP PUBLISHING

Fleet St Publisher V3	£159.95
Pagestream	£127.95
Pagestream Font Sets	£26.95
Timeworks DTP	£71.50
Timeworks DTP Tutor	£24.95

### CAD/GRAPHICS/ANIMATION

£21 95 £35.95

Grib/Grim moo/minimmor					
3D Developers Disk£14.95	Draw Art£35.95				
Architectural Design£14.95	Easy Draw 2£37.50				
Art Library 1£9.95	Easy Draw 2 Supercharged .£57.95				
Art Library 2£9.95	Easy Tools£28.95				
Borders£21.95	Future Design£14.95				
CAD 3D V1.0£18.95	Greetings Cards£9.95				
Calendars & Stationery£9.95	Hyperpaint£17.95				
Campus Draft£57.50	Human Design£14.95				
Canvas£12.95	K-Rikki£14.95				
Cartoon Design£21.95	MasterCAD£25.95				
COLR Object Editor£18.95	Megapaint II£87.50				
Cyber Control£29.95	Microbot Design£21.95				
Cyber Paint£36.95	Mini Off. Pres. Graphics £18.50				
Cyber Sculpt£57.50	Scan Art£28.95				
Cyber Studio£36.95	Signs & Banners£9.95				
Cyber Texture£35.95	Spectrum 512£22.95				
Deluxe Paint£36.95	S.T.A.C£28.95				
Degas Elite£19.95	Video Titling£14.95				

### **EDUCATIONAL**

Better Maths 12-10 years£19.95 Fractal Generator£14.95 Fun School 2 Under 6£14.95 Fun School 2 Cover 8£14.95 Fun School 3 Under 5 yrs£17.95 Fun School 3 Under 5 yrs£17.95 Fun School 3 5-7 yrs£17.95 Fun School 3 Over 7£17.95 Genesis£28.95 Jigspell +2£20.95 Maps & Legends£21.95	Primary Maths 3-12 yrs £19.95 Spell at Home
Jigspell +2£20.95	Things to do with

### ACCOUNTS

WICHTOH Payron	Accountant Plus£ Bookkeeper Cash Trader	221.95 289.95 Pe 289.95 352.95 Se 218.50	ersonal Finance
----------------	---	--	-----------------

### ROLAND MIDI EQUIPMENT

Please ring for prices/availability on any hardware/software/peripherals not listed. (Full price list on request)



Word Becken Wordup SI Writer I hats Write Script Script Signum Evolution Wordup Ist Wordup rd Beckerrext Redactent Callioranhor Write Word

Callioranhor Write Word

Word Park Word

Word Park Word

Word Park Word Word BeckerText Redacteur Callierupher Word WriteOn Final Word BeckerText Redacteur Callierupher Word BeckerText Redacteur Word BeckerText Redacteur Wo LastWord Writer Protext Script Signum Word Word Word Word Becker Text Red word word Writer Protext Script Signum

Word Word Word Becker Text Red word up

Script Signum Last Word WriteOn Final Word Becker Text Redacteur Word WriteOn Final Word Writer Protext Script Signun Rinal Word Beck Wordperfect Word Last Word Write On Wordup ST Write That's Word Word Word Write Ist Word Write Ist Word Word Write Ist Word Word Write Ist Word Word Write Ist Word Write I Wordperfect Ms Write eckerText Redacteur Writer Word Tempus Wordplair Wordperfect Ms Wordplair Wordperfect Ms Write Word Write Word Write Wordperfect Ms Write Write Wordperfect Ms Write Write Write Wordperfect Ms Write Write Write Write Wordperfect Ms Write Write Plution eckerText Wordup ST Writer That's Write Script WordFlair Write Ist Wordup ST Wordup Signum Evolution Wordup ST Write Write eckerText Redacteur WordFlair WordFlair Word BeckerText Redacteur WordFlair V iter Protext Script Signum Evolution Word Word Writer Protext Redacteur Word Word Frotext Script Signum Evolution Evolution writeon
mpus Word Word
e Ist Word Word WeckerText
Word Last Word Writer Protext Redacteur
WriteOn Final Word Flair V

ReckerText Re

BeckerText Re

Redacteur
Word Flair V e 1st Word Last Word Write On Final Word Becker Text Road Write Ist Word Write Prote Tect Ms Write K. Word Tempus Word Word Flair Write Word Ist Word Word Last Word Writer Prote K. Word The Word Tempus Word Write Word Write Word Tempus Word Write Word Write Word Write K. Write Redacteur Writer Thats Write Ist Word Last Word Write Nord Word Word Word Word Word Word Write Word Write K Word Thats Write K Word Thats Write K Word Thats Writer Thats W Redacteur Wordflair Wordperfect Ms Wordflair W Final Word Baum Evolution Word Writer Protest Redacteur Word Flair Word Pats Konning Rioning Road Park rd Word beckerlext kedacteur Wordklair Word WriteOn Final Word Revolution range of the content o

Product: Atari Archive Supplier: Atari UK Telephone: 0753 33344 Price: £29.99 Configuration: All STs, hard disk

odern hard disks are increasing in size, and today few are smaller than 30 megabytes. The loss of this much data is at best, a time-consuming annovance, and at worst a complete disaster.

With so much at stake, backing up your hard disk is a necessary evil, and one which should be performed at least once a week to be on the safe side. Unfortunately, the process is both tedious and time-consuming, so many people delay a backup as long as possible, or skip it altogether. This is fine as long as your hard disk behaves itself, but what happens when one day something occurs and it all goes horribly wrong?

A single careless moment – forgetting to park the drive heads when you turn the machine off, or knocking it while in operation – and whole megabytes of data can disappear, never to be seen again. At times like this, you simply turn to your backup disks, providing you had the foresight to create them, and reload the lost data.

### **EFFORTLESS ARCHIVING**

Simply copying files from hard disk to floppy will work as a backup method, but you need a warehouse full of disks and almost infinite patience. Now Atari have developed Archive, an intelligent program designed to backup your hard disk for you, archiving the programs as they are backed up so they take up less space.

Atari Archive is designed to take the tedium out of backing up a large disk by automating the whole operation. All the user has to do is type in the pathnames of the files to be backed up and keep a ready supply of floppy disks to hand. The program does all the real work and will even take advantage of a twin floppy drive set-up if you have one.

When a file is saved by GEM, a special marker on the file is set to let programs like Archive know that the file has been changed. This flag is called the 'archive bit' and when Archive backs up the file the flag is reset. Archive allows an option to be set so that only files with their archive bits set are backed up, thus backing up the minimum number of files to ensure that your backup remains current.

If the unthinkable does happen and you need to copy information back from floppy to

### THE BOTTOM LINE Features: Everything you expect from a

Features: Everything you expect from a program of this type. Archive however, is not capable of doing an image backup of a hard drive partition. And there is no option to optimise a fragmented disk.

Ease of use: The manual is good and provides all the information needed to safely backup your disk.

Features
Excellent
Good
Average
Bad
Appalling

Ease of use
Excellent
Good
Average
Bad
Appalling

# WHEN DISASTER STRIKES

### Your hard drive has been corrupted by evil forces. What's that? You don't keep backups? Simon Lawson investigates

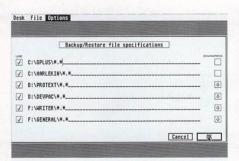
hard drive, Archive reverses the process of backup. The files are decompacted and copied back to the hard drive faster than they are backed up. The program can be set so that it will overwrite any files that have the same name and discard any files that were incompletely backed up.

### **MAKE A BREAK**

Normally files are restored to the partition they were saved from, although it is possible to force files to be restored to a different partition

and pathname. This is especially useful if you re-partitioned your hard disk and want to reorganise the way you keep your files. Unlike many hard disk utilities, Archive offers no way to rearrange the files on your disk to make better use of the available space.

As hard disks are used, and files added and deleted, they become fragmented into small segments all over the disk. The lack of an option to optimise storage means that to reduce fragmentation you must do a complete backup and restore of the drive.



Enter the pathnames to be backed up, and click on the tick box at the left. The arrows on the left indicate that the program will search deeper into the disk directory

			Commentary
ate	Time	Length	Name
1sep1990	12:54	6272	F:\WRITER\WWDICT\T.DIC
1sep1990	12:54	7552	F:\WRITER\WWDICT\U.DIC
1sep1990	12:54	2176	F:\WRITER\WWDICT\V.DIC
1sep1990	12:54	2944	F:\WRITER\WWDICT\W.DIC
1sep1990		256	F:\WRITER\WWDICT\X.DIC
1sep1990		512	F:\WRITER\WWDICT\Y.DIC
1sep1990		512	F:\WRITER\WWDICT\Z.DIC
9oct1990		653	F:\WRITER\WWDICT\ST_USER.PER
	89:28	218	F:\WRITER\WWDICT\ADVENT.PER
		186336	F:\WRITER\WWTHES\THESARUS
1sep1990			F:\GENERAL\REJECT.TXT
5may1990		948	F:\GENERAL\REJECT.DOC
5may1998		6390	F:\GENERAL\BASIC_1.DOC
4may1998		6542	F:\GENERAL\TEMP.DOC

Archive lets you see a list of all the files set to be backed up. Using Atari Archive it is also possible to print this list to give a permanent record of these backups



Archive offers a wide range of options for backup, including automatic formatting of the backup floppies and the ability to backup programs saved since a certain date



Archive allows floppy disks to be formatted to a higher capacity than the Desktop does. More data can be stored per floppy which reduces the number of disks needed

### THIRD COAST **TECHNOLOGIES**

Unit 8, Bradley Hall Trading Estate, Standish, Wigan, Lancashire, WN6 0XO

Tel; (0257) 472444 Fax: (0257) 426577

### Hard Drive Features

\*Faster than any other competitor

"Autoboot & autohead park

\*Battery backed realtime clock and calendar

\*Compatible with Atari ST, PC and also Apple Mackintosh.

\*High speed programmable caching software included

\*DMA in & out and also SCSI in & out

\*Supports a second hard drive or tape backup device

\*Upto 128 user partitions

\*Matched in Atari grey with air brushed logo

\*65 watt cased astec PSU with cooling fan

Internal Mega ST hard drives available call for details & prices

lard Drives & Ta

### Tape Backup Features

\*155M/Byte tape backup

\*Backs up 20 M/Bytes in under 2 Mins

\*Supports internal SCSI drive

\*External SCSI ID selectors

\*Uses industry standard CT600N

Compatible with all hard drives

\*Backs up all non standard **GEM formats** 

Supplied with the very best backup utilities and comprehensive manual

\*DMA in & out also SCSI in & out

\*Battery backed realtime clock

155MB Tape Backup £699.99

50MB Hard Drive & 155MB Tape Backup £1199.99

### **Supra Hard Drives** now available - Call for details

Advantage Plus St

Advantage Micro ST

ICD

All hard drive are available with a Professional pack of software for an extra £39 99 Professioanl Pack includes K-Spread 3, Superbase Personal, 1st Word & ST Basic

Third Coast Hard Drive Pricing

22M/Byte SCSI hard drive 49 milli. . £349.99 22M/Byte SCSI 38 milli auto park. . £399.99 32M/Byte SCSI 25 milli auto park £429.99 50M/Byte SCSI 25 milli auto park. . £449.99 65M/Byte SCSI 25 milli auto park . . £599.99 85M/Byte SCSI 25 milli auto park. . £649.99 106M/Byte SCSI 15 milli auto park . £899.99 150M/Byte SCSI 15 milli auto park . £1250.00 330M/Byte SCSI 11 milli auto park . £1999.00 44M/Byte removable cartridge drive £799.99



### Discovery Pack

High quality, good value package based around the 520STFM computer including 512K RAM, 1MB Drive and built-in TV modulator. Also supplied is:

£279.99

STOS Game Creator Outrun Carrier Command Bomb Jack Space Harrier Neochrome FirST BASIC Atari ST Tour plus 'Discovering your Atari ST' Book

### Hard drive DIY kits for SCSI & ST506 drives

Connect IBM PC type drives to the ST upto two drives off one controller

DIY Kits





ICD DMA/SCSI Adapter (No Clock) £79.99 ICD DMA/SCSI Adapter With Clock £99.99

Complete Kit Ready For SCSI Drive £199.99 Complete Kit Ready For ST506 Drive £299.99 Omti 3527 SCSI/ST506 Controller D

Complete kits include host adapter board, PSU and all features listed in hard drive advert. These kits will allow any ST506 or embedded SCSI drive to be connected to any Atari ST

### £149,89 Happy ST Copier

The Ultimate ST Copying Device It's a lethal copying tool





THE MAIL & EXEMPLE PRILLY DINGS



1M/Byte internal tended track count up to 84 tracks fully software compatible slight case modification required supplied with full fitting

IMB External Drives Have Built Power Supply MB internal 82 track £58.99 1MB internal 84 track £69.99 MB external 80 track £59.99 1MB external 84 track £79.99

1.44MB external floppy drive £129.99

LC10 Printer (Mono)	£169.99
LC200 Printer (Colour)	£239.99
LC24-200 Printer (Mono)	£269.99
LC24-200 Printer (Colour)	£299.99
520STE 2.5MB memory	£499.99
Mega 2 & SM124	£899.99
High Resolution SM124	£114.99
520STE 1 Meg memory	£389.99
Mega 1 & SM124	£615.99
Mega 2 with 4MB	£999.99
Phillips 8833 Monitor	£249.99
520STE 4MB memory	£625.99
Mega 4 & SM124	£1199.99
SC1224 Monitor	£269.99



offers total protection

Backups all Atari software as well as most Amiga and PC. Requires no external floppy drive to run. Software updates available every week. Over 200 copying routines included with the cartridge. Floppy to file against all link virus & boot block virus. Disable transfer allows programs to be modified etc. Comes supplied with switch. Plugs into your disk drive port. Never be analyser software so that you can find the protection on the disk. Uses infected again. Also supplied with virus killer & manual custom hart chip. Buy Happy ST and you will never need another copier.

### Atari Genlocks

\*Composite PAL & RGB out

\*Title & animate any video

\*Plugs straight into any SI

\*Amiga Genlock quality at last on your ST.

\*Allows digitised results to be stored and overlayed onto any VHS recorder

\*Overscan facility available with optional fader control

\*SC1224 & Phillips 8833 compatible





GST 40E Budget Genlock £249.99

GST Gold Genlock £499.99

GST Gold Pro Genlock £649.99

GST Gold with Splitter + Fader £899.99

Broadcast quality genlocks available call for details and pricing.

Demonstrations can be arranged call to make an appointment



### **NEW! 520 STE TURBO PACK**

Includes the latest 520STE with 1MB drive, joystick, mouse, user guide, plus a high quality selection of entertainment and creativity software, including:

Indiana Jones & Lost Crusade Impossible Mission II **Human Killing Machine** Dragons Breath Hyper Paint 2 (STE version) Music Maker 2 (STE version)

**Blood Money** Super Cycle Out Run Anarchy FirST BASIC STOS

£369.99

Please make Cheques/Postal Orders Payable to: Third Coast Technologies Ltd. We also accept Access and Visa over the telephone.

Product: Write ON Supplier: Compo Software Telephone: 0480 891819 Price: £50

Configuration: All STs, colour and mono

ou hadn't wanted to spoil that bestseller's chances by using just any old word processor, right? Well, now you can start writing. Write ON will do everything for you but supply the inspiration. And best of all, it's very affordable – even on a poor, starving author's budget!

Word processing packages are becoming increasingly like simple desktop publishing programs, with software houses adding all manner of new features in an effort to set their products apart from the rest.

This is great news for the heavy business user who wants extreme flexibility but doesn't want to write a large cheque for a DTP package. At the same time however, it adds an unwelcome cost for the typical home user wanting to do little more than type a weekly shopping list or perhaps a nasty letter to 'USER (that's not an invitation – Ed).

At last there's a commercial product which is tailored to the needs of home users. From the newly-formed Compo Software UK comes Write ON. It's a word processor that at £50, provides everything you're likely to need and looks very much like its older brother, That's Write.

The program is supplied on two floppy disks. After making a backup copy of the master disks, the program must be installed on floppy disks or a hard disk drive. With two formatted disks at the ready this is easy to do and only takes a couple of minutes.

Write ON boots up to an Apple Macintosh-like screen, and this is a reliable indication of how the program will continue to behave. The top of the screen carries a series of GEM-based menus from which nearly all operations are carried out. Some functions take advantage of dialog boxes – these are listed in the drop-down menus and their names are extended with an ellipse.

### **EASY ON THE EYE**

The work area looks like any other WP. Whether used on a monochrome or colour monitor, the text is black on a white background. The cursor is shown as a thick vertical line and the whole area is clear and does not produce eye strain when used for long periods of time – unlike some other software packages.

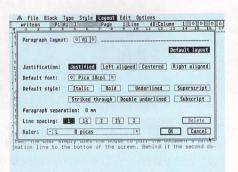
Although the program is written around the GEM environment, keyboard shortcuts accommodate experienced users and make user-commands much nippier –. there's no need for your hands to leave the keyboard. As with most word processors, the Control key combinations are easy to remember after you've used the software for a while

Two text files can be kept open at once, and to swap between the two, simply use the mouse to pull the document's information line to the bottom of the screen. Behind it, the second document is waiting to be taken into action, and the first can be put back into operation by pushing it up the screen.

The menu at the far left is headed File. Files are saved in ASCII or Write ON format and whenever a document is saved with the same filename as another on the disk, the older one will be saved with a .BAK extension. A dialog box makes the operation

### PROCESSING PROSE

Waiting for the latest word processor before writing that novel? No more excuses – John Butters has it here...



duct	lact Horeinn		I manner of new feat est.
This to wr	Save Save as Save ASCII	Ü,	y business user that wants ext TP package. But at the same ti
the ty	Delete File Copy File Rename File	DC	ts to do little more than type a mercial product tailor
home form £50	Printer lune	p	h two screaming chil UK comes Write ON, a hat will be needed in
The	Quit		ed on two floppy dissterdisks, the program

/K File Block Type Style Layout Edit Opti MI New Text N Page 1 Line Open Text... 0 6 7 8 9 10 Topert Text... T

Paragraph layout is user-definable. You decide on alignment, line spacing and so on

Full use is made of drop-down menus. Control key combinations can be used for speed

functions take advantage of dialog b the drop-down menus and are extended

The work area looks like any other monochrome or colour monitor the to background. The cursor is shown in line and the whole area is clear and

Using Write ON, several styles of text are available, such as italic, bold, subscript and superscript. This is all in addition to the paragraph formatting options

ware houses adding all manner of new ducts apart from the rest.

This is great news for the heavy business user that v to write a large cheque for a DTP package. But at the the typical home user who wants to do little more that ters to 'USER.

Individual words, sentences or paragraphs can have various fonts. This allows different emphasis to be given to each section of the document, highlighting certain points

easier, with buttons listed on-screen for the various drives and extensions available.

Whenever a file is reloaded, the cursor is replaced at the position at which it was saved, rather than at the first character in the

document. This is a nice touch which is quite often missing from such packages.

One problem with saving files in ASCII form is that a return is automatically placed at the end of each line. When loaded, it's

FREE HELP!

Keep up to date with the

Keep up to opments, get the

latest Workshop new hints and

latest Workshop new hints regularly. Full of tips,

regularly. it's completely 0753

regularly. it's completely 6753

Simply write or 1

832212

### New from The Atari Workshop

Performance packed special offers to make your ST more efficient, more powerful and easier to use!

### The facts about these new Tower Systems

Our Tower Systems are a simple and convenient method of storing your computer and peripherals. Your ST, hard disk and drives are housed within a strong yet attactive tower. This tucks within a cable's reach of where you work, under your desk for instance. As the Tower measures just 6"x10.2"x15.5", your work space is immediately freed and your desk becomes less cluttered.

The Tower Systems featured in this ad come to you with all hardware already

installed, and ready to go.

You can also buy our Towers separately for installation, either DIY or by our engineers, around your existing system. Prices range from £139.50 -£219.50. Please ring for details.

### **FASTER PROCESSORS**

More speed at your fingertips

An accelerator board fits inside your ST, replacing the old processor (CPU), a 8Mhz 68000 chip. The speed increase varies according to the application being run but it is at least four times faster. Often many times more!

Accelerator boards come in a variety of types (shown on this page). One is sure to meet your speed requirements.

PROCACHE ST+ £170.00 + VAT 16 MHz 68000 CPU, 16kb cache memory, on board clock, Mega ST only.

MACH 16 £208.26 + VAT 16 MHz 68000 CPU, 16kb cache memory, Co-processor socket. Mega ST & STFM

MACH 20 £565.21 + VAT 16MHz 68020 CPU, 32kb cache - 32 bits wide. TOS 1.6 performance index 3.6. Mega ST only

PROCACHE 030 £738.69 + VAT 25MHZ 68030 CPU and 8MHZ 68000 CPU. Speed factor: more than 5. As fast as the new TT? And more compatible.

## Get more from ST!

### TOWER SYSTEMS

3 new ways to clear your desk and e-x-p-a-n-d your system

More power for your business ATARI BUSINESS TOWER £869.00 + VAT Includes: Atari STFM \* Memory upgrade to 2.5 Mb \*720k floppy disk \* 45Mb hard disk (25ms seek rate) List price: £1100.00 + VAT Saving: £181

More power for your desk top publishing
DTP SYSTEM TOWER £2999.50 + VAT
Includes: Mega ST4 \* 45Mb hard disk (25ms) \* 21" EI6500 paperwhite monitor + MGE II graphics card List price: £3700.00 + VAT Saving: £700

More power than ever before

MEGA 4-030 TOWER £4499.50 + VAT

Comprises: Mega ST 4 ★ ProCache-030 ★ 68030 CPU

+ TOS 1.4 enhanced ★ 45meg hard disk (25ms) 500k/

sec ★ SLM 804 laser printer ★ EI6500 21" paperwhite

monitor with MGE II graphics card

List price: £5650.00 + VAT Saving: £1130

### DESKTOP SYSTEMS

Two computers in one machine

MEGA AT2 SYSTEM £1259.50 + VAT Mega ST2 with 68000 CPU 8MHz and 80286 CPU 8MHz processors for IBM AT emulation (Norton Factor 6.7) ★ 45Meg hard disk (25ms) ★ ICD hard disk software ★ SM124 mono monitor

List price: £1500.00 + VAT Saving: £240

More power for the programmer DEVELOPER'S DESKTOP £1399.50 + VAT Comprises: Mega ST4 \* ProCache fitted (16 mhz clock speed) \* 45meg hard disk (25ms) \* ICD hard disk software \* SM124 mono monitor

List price: £1700.00 + VAT Saving: £300



NEW High Density Floppy Drives

More disk space from just £25 Gives 1.44Mb on HD disks \* Works with all ST's \* Works with IBM emulators \* Also reads/writes single or double density disks ★ Auto-recognition feature ★ DIY or workshop\* installation

HD Module + software 3.5" kit for Tower Systems 3.5" FDD cased inc. PSU 5.25" kit for Tower Systems \*Please ring for estimate

£99.95 f.129.95  $\tilde{f}$ ,129.95



### "Auto-Switch OverScan"

Lots more monitor for just £49.50

New OverScan boosts mono

or colour monitor size by between 15%-65% ★ Turns all of monitor border into working screen \* Works with Multi-Sync Monitors and compatible with

almost all known software ★ DIY or workshop\* installation.



More convenience - £25

Two or more devices automatically selected on mouse port ★ No more swapping of mouse and joystick \*Ideal for professional users needing mouse & track ball # Works on all ST's

What is The Atari Workshop?

We are an independent company specialising in boosting, modifying and customising computers. Our products are mostly state-of-the-art solutions to system problems or limitations.

We keep constantly abreast with the latest developments in the USA and Europe in order to offer the newest and

best in Atari technology.

All our products can be DIY fitted, though not by a complete novice. They come with easy step-by-step instructions and are backed up by our helpline during normal working hours.

Alternatively, if you prefer to leave it to professionals, you can send your equipment to us for modification by our

team of engineers.

We offer fast turnaround, full warranties, and a quick collection and delivery service throughout the UK.

So whatever your requirement, contact Atari Workshop for a fast workable solution.

ACTION LINE **©** 071-708 5755

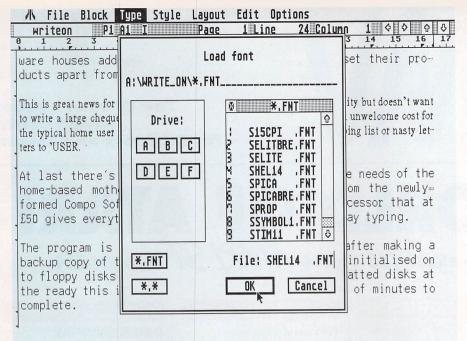
The ATARI ORKSHOP Radio Service Company

Head Office & London Service Centre Units 2/19, Sumner Workshops, Sumner Road, London SE15 6LA

Mail Order & Windsor Service Centre

47/48 Windsor Business Centre, Vansittart Estate, off Duke St., Windsor SL4 ISE Tel: 0753-832212 Fax: 0753-830344

Tel: 071-708 5755 Fax: 071-708 5754



All the available fonts are listed on the drop-down menus, to be used when required. So it is easy to change to any typeface from Pica 10cpi – the loading font

often difficult to format the document correctly, but when a file is saved in this package the user is given the option of saving the file without the additional returns.

Other options found under the heading include Last Version, where the latest copy of the document saved to disk is reloaded into the computer, and Delete, Rename and Copy File all of which do exactly as their names imply.

Under the next heading, Block, chunks of text can be deleted, moved to another part of the document, copied or saved as a separate file. Blocks of text are highlighted using the keyboard or mouse to pull a rubber band around the characters which are to be included. It takes a little getting used to but it's worth the effort.

To assist editing there's a comprehensive search and replace feature. It offers forward and backward searching and gives the option of case sensitivity.

New documents begin with the typeface Pica 10cpi. Extra styles can be loaded by using the drop-down menus and can be changed without much trouble. The memory can hold up to 20 fonts at any one time, and this is more than enough – if too many fonts are put in a document the result is a truly horrible page anyway. If you decide against some they can be removed, freeing the memory for the document or different fonts.

Alternatively, if you use find that you usecertain fonts frequently you can have them loaded into the word processor when you fire it up. Then, after creating a simple document and saving it as an ASCII file, the required fonts will be resident in the memory.

### **DESIGNED WITH STYLE**

The usual typestyles can also be incorporated into your work. As well as the normal face, there's an option for italic, bold, subscript, superscript and various types of underlines. This is in addition to the common paragraph formatting options.

You can define the page and paragraph layouts, and this can be automatically

formatted. The whole document will be reformatted if the keyboard has been left for two seconds. If this irritates you, turn the function off and reformat the document manually using Control key combinations.

The same holds true for pagination. Turning the option on will automatically correct bad page breaks, but the manual advises that to save time it should be de-activated when dealing with large files.

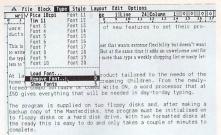
In nearly all cases, a document will eventually be printed. Write ON can be used with the Atari laser printer as well as most other types of printer. One of the selling points of the program is its speed and flexibility when printing – by using a combination of bit-map and printer fonts the power of the operation has been increased dramatically.

The program comes complete with a jargon-free manual and all updates to it are included in a READ.ME file on the master disk. In addition to the clear documentation, Compo Software also have a telephone number specifically set aside for technical help, for which all registered users are eligible.

### AND AGAINST?

Problems? The only feature that's commonly needed which wasn't originally planned for Write ON is a word counter. A quick call to the company to confirm it wasn't going to be included however, resulted in it being added to the program and this paragraph being rewritten. A spelling checker would have been nice, but its omission is by no means a disaster.

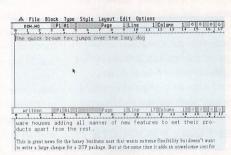
Other than that there are a few bugs – but then, what pre-production software hasn't? None of these is major and Compo has promised to poison them all before they release the product onto the streets. Owners of 520STs may be pushed because of limited memory – I had difficulty using a 520ST with a hard disk attached. If you're looking to buy a word processor but don't know which one to choose, look no further. Write ON is easy to use and has ample functions. Let's hope this is the shape of things to come!



Up to 20 fonts can be in use at the same time. Unwanted ones are easily removed

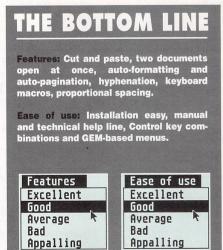


A word counter is to be included on this screen – after a gentle hint from 'USER



Highlighting text takes a little getting used to. Two documents can be put on-screen at once







CMV COMPUTERS LTD 1st floor, 117 Regent Street London W1R 7HA Telephone 071-734 1719 Fax 071-734 1740

The Central London
ATARI Centre
for Business and Leisure

### THE WORLD OF ATARI

everything you need for your ATARI ST computer

### COMPUTERS

We deliver all models of the ST series and all its peripherals, monitors, disk drives, hard disks and printers.

Any product we sell is ready for immediate use. Computers include a special start-up disk, printers include cables as well as printer-drivers, hard disks are configured according to your needs and installed for automatic boot-up on any partition.

### **SPECIAL PRODUCTS**

A series of hard and software combinations of proven usefulness is available for almost any activity or profession (general office use, writers, musicians, graphic designers, printers, automatic control of machinery, clubs, hotels, fire brigades, solicitors, carpenters, car dealers & rentals, film producers, driving schools, editorials, fitness centres and many more).

### **TRAINING**

In case of professional equipment, we can arrange for the necessary training on hard and software so you can be sure to get the best possible results

### **ACCESSORIES**

We continually search for the most useful accessories and directly import them from all over the world.

You will find the necessary hardware for any application you may be interested in - sound and video, digitising, emulation of different computer systems, music, professional equipment (GAL and EPROM burners, spectrum analysers), Robotics, and many more.

In our catalogue, you will also find everything necessary for upgrading or adapting your equipment to any special need (memory extensions, connection of PC keyboard and special monitors etc.).

### **SPECIAL OFFERS**

Whenever possible, our price policy reflects our interest to allow all ATARI ST users to introduce themselves in all fields of computing.

We continually revise our prices to be able to present to you the best possible offer. Therefore, please do not hesitate to ask for todays price.

### SOFTWARE

Our range of programs is unsurpassed. We offer some 800 business programs and utilities, in addition to more than 1500 games.

If you buy your equipment at CMV, you will be entitled to a free demonstration of programs suitable for your professional use.

If you are a private user and do not make use of our professional service, you can again benefit from our

### **SPECIAL OFFERS**

unrivalled in most cases, which allow you to gain access to quality programs without upsetting your budget.

### **BOOKS & MAGAZINES**

Specialised books on almost any subject are available, many with an additional disk so you can practice the learnt material in an easy way. Some include extremely useful programs which are not sold separately.

### **NEW PRODUCTS**

Every day, new products are coming in, many of which you will find exclusively at CMV

### SERVICE

### PROFESSIONAL ASSISTANCE

at any time from 9 to 6 Monday to Saturday.

### **MAIL ORDER**

If you cannot visit us.

**OFFICIAL WARRANTY** 

### **八ATAR**

Twelve months for computers and three months for peripherals

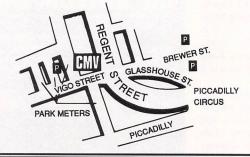
### MONEY-BACK GUARANTEE

if we did not advise you correctly.

### FREE with every ST STARTUP DISK with several

utilities for everyday use:

- \* RAMDISK
- ★ Calculator
- \* Alarm Clock
- ★ Multifile Copy Accessory
- **★ Disk Copier**
- \* Printer Utilities
- \* And more



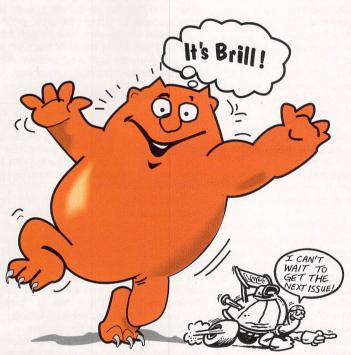
Ask for our
FREE CATALOGUE CMV-ATARI
with more than 2,000 products



# Do YOU know a youngster who is mad keen on computing?



### Then here's the ideal helping hand – 12 months supply of the world's FIRST computer comic!



All over the country parents are discovering the benefits of getting Let's Compute! for their children. Here are just a few of their comments:

- I was very fortunate recently to pick up a copy of Let's Compute! It is a publication which really allows youngsters to appreciate the fun they can get out of writing programs – Mr D Dave, Fareham, Hants
- I was so pleased to find a magazine my nine year old son could use and understand – Mrs Lever, Harwich, Essex

But these are other peoples' opinions! We'd like you to judge it for yourself. With this note is a complimentary copy of *Let's Compute!* Please give it to your children, grandchildren or friends. We're sure they'll find it a great introduction to the world of computing.

Even if they haven't got a computer themselves yet, *Let's Compute!* can help them at school. Our features are designed by a dedicated team of teachers and educationalists with the aim of giving children of ALL ages a head start in Information Technology.

Subscribe now – and guarantee a lucky youngster a whole year's computing fun!

Yes!	Please send me the next 12 issues of Let's Compute! for £12  I wish to pay by:  Cheque payable to Database Publications Credit card No:  Exp. date	q
I'd like to get	NameSigned	
COMPUTE!	Address	
hot off the press each month!	Post code	

# Official Miles Community Community Fielding Mellish calls in with

Fielding Mellish calls in with the official story on Uniterm

ne of the largest 'try-out' areas for new programmers is communications. You know the stuff, first time out with a new compiler and another terminal program rolls off the electronic presses. Fine, if you're a seasoned communicator it's easy to sort through the trash for programs that really are innovative and useful. But beginners often find that they buy an awful lot of limited terminal emulators and the like before discovering a communications program that they can use productively for many tasks.

Even the most experienced of modem enthusiasts find that they use a favourite communications program to traverse the 'phone network but another, quite different program to do file transfers, provide a telephone book, auto dialler and so on.

There is however, one program available that will handle practically any communications task you can throw at it and still come back for more. You don't even have to pay for it (and I'm not talking swap-meets...). Uniterm is one of the most popular communications mediums of all time and what's more, it's entirely free. Any public domain library will supply you with the latest version of Uniterm for the price of a floppy disk.

But is it really that good? Surely any program generally regarded as 'definitive' among its users can't be given away free? Well, it's like this, see. The PD/shareware concept emanates from the other side of that great dividing strip known to psueds everywhere as 'The Pond'.

Yanks, despite adversely interfering in every banana republic between here and well, there, are a remarkably generous and friendly lot when you get down to it. If your great grandfather had had a predilection for black clothes, large-brimmed hats and certain exotic religious practices, you might be chewing gum, smoking Luckies from a pack rolled under your T-Shirt cuff and talking about 'elevators', 'trunks', Hershey bars and Genuine Live Sea Monkeys right now.

Simon Poole, Uniterm's author, was smitten by the clever notion of giving away his breathtakingly useful software for nothing, and the happy result is that Uniterm is now yours for the asking (what a nice guy).

Back to the action. I'd be deceiving my public were I to say that there aren't better programs than Uniterm. It's particularly unfriendly and although supplied with a comprehensive electronic manual, beginners make hard going of it.

Commercial offerings however, cost good money better employed elsewhere, and with a little instruction, Uniterm will do everything you want and more. Here's how...

### **GET IT UP (...AND RUNNING)**

Uniterm comes to you as a folder positively bulging with obscurely-named files. Somewhere in all that mess is Uniterm (you'll know when you discover it) and before you can proceed, it needs to be found and double clicked

Found? Double clicked? Good. The latest version of the program is V2.0c. Version 'b' was, not surprisingly, the previous version and it's still doing the rounds, so make sure you have the latest (and if you don't, turn to the PD pages for a suitable supplier).

You're presented with what appears to be a blank screen with a strip across the bottom bearing the legend "Uniterm V2.0x Online" at the left, and some other, meaningless guff at the right (see Figure 1).

Stay with me, all will be revealed. Now what you must remember about Uniterm is that it won't do anything until told – simple, huh? So let's tell it by hitting the Help key on your ST. The blank screen is removed and replaced by a help screen showing many of the options available along with the keys assigned to them, and a menu bar from which you can configure the program (see Figure 2).

Drop down the settings menu and click 'RS232...'. Click the buttons corresponding to the options required by your modem. A typical configuration might be baud:1200, flow: Xon/Xoff, parity: none, databits: 8, stopbits: 1, mode: full (see Figure 3). That will probably get you up and running. If your modem can handle speeds greater than V22,

then increase the baud rate – after all, there's no point in giving away money to BT!

Right, now we're really buzzin'. At this stage, you can call up bulletin boards and other modems for straight transfers, perform null-modem file transfers directly with other machines and so on, but all of that's just the ordinary, everyday stuff – no problem. Now, let's get down to some really nifty doings.

### TORN OFF A STRIP

Something simple to get started. Every time you want to use any functions such as file transfer, file replay, disk statistics and so on, you have to press the ST's help key. Wait for the Online screen to be replaced with the help screen, then select the function you want, right? Wrong!

On the Online screen, press the right mouse button. A 'tear-off' menu appears at the place previously occupied by the mouse pointer (for 'tear-off' read 'torn-off'. This baby was never attached to the menu bar). Take a look at the torn-off menu in Figure 4. By moving the mouse pointer around, each option can be highlighted and therefore selected. Try it. Now highlight and click on Transfer. The file transfer dialog appears without you having to go through the help screen.

Click on Disk. Another dialog appears from which you can get valuable information about the current or any other floppy or hard drive attached to the system. Try out the other options too.

The torn-off menu really is very useful. In the middle of a connexion, you don't want to be rummaging through various screens to get some info on a disk or set up a file transfer. With this handy little menu, you'll be up and running in just a couple of clicks.

### RUNTIME...

16-bits is sophistication pure and simple. 16-bits is what your ST is equipped with and what Uniterm makes full use of to enable you to perform power functions, such as running another program while still running itself. How many times have you had to quit a favourite comms program in order to use an

extra utility to do a ZMODEM transfer or some other application? Well not any more.

After launching Uniterm, drop down the File menu and select 'Run Program...'. A file selector appears, from which you can select any program to launch. Try it. Unfortunately, it didn't work. Looked like Uniterm was going to bomb for a moment in fact, right? TOS error #39? Here's how to get programs to run while working under Uniterm.

Move to the help/menu bar screen, drop down the Settings menu and select 'Buffers...' A dialog appears (see Figure 5), showing buffer sizes for the System, file transfers, RS232 and so on. Before an application can run, you need to force Uniterm to assign a memory block large enough for it.

When loaded, Uniterm initialises its buffer sizes to use the space remaining after Uniterm itself is loaded. You cannot therefore simply assign memory to a particular application, but must retrieve some of the memory used by the buffers, then give it over to the system buffer.

To the right of the buffer names, there are figures denoting the current space occupied. Click the + and - buttons to increase or reduce the amount of space occupied by each buffer until enough remains for the application you want to run.

Remember the space needed by an application may not be directly related to the size of the program. Many applications need their own buffers and so on before running successfully, so always be generous when assigning memory.

#### **REPEATS! REPEATS! REPEATS!**

Here's a quicky. If you've just dialled a new board, or discovered a system hanging at the end of a telephone number you didn't know existed, you're gonna get pages and pages of interesting information just scrolling off the top of your screen – how many times have you sat frantically trying to read, search for the right keypresses, decide what to do next without wasting lots of time running up huge 'phone bills and so on, and all at the same time? It's hell, right?

After a while, when familiarity with your comms software develops, you might discover a text capture facility that enables you to save what's coming across the PSTN, and read it later on a suitable word processor.

Trouble is, it's just not the same. There's no atmosphere. That breathtakingly exciting sesh you just had with MI5's Curzon Street silicon behemoth evaporated into the ether once again, to be replaced with a large dull file of text. You have to plough through it for hours to find anything useful and the only real solution is to log on again and have another go – or is it?

Uniterm has a little-known peachy feature known as Playback. Think about the last time you bought Kylie's latest 45. You didn't hand over the ackers, hear it once, then pay for it again did you? Once bought, you played the single again and ahem, again.

Similarly with Playback – just type Alternate-R. Uniterm then replays everything that came dribbling into the ST's serial port using the previously selected terminal emulation mode, just as if it was coming at you for the first time. Instant excitement again, as you interact with the information you've just had, but this time, without having to pay a penny for telephone connexions.

You can quit the repeat easily just by pressing A, or pause the screen at any time

by pressing any other key (another keypress will set things in motion again). Try the Playback function, it's fun!

#### **DIAL TONES...**

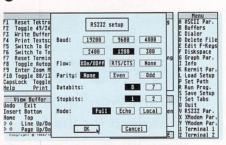
Computers are all about automation. No longer do you have to worry about counting words, ordering paragraphs, headers and footers, or calculating weather patterns and missile trajectories – the machine does it all for you. That's why every time you want to dial your favourite bulletin board, you have to find your list of telephone numbers, patiently hack a long number into the computer, wait for it to be dialled, try again when it's engaged and so on, right?

Why not hand over the storing and dialling of numbers to the ST? It's there to smooth the way. And so thought Ma Poole's little boy when he created Uniterm. The program's equipped with its own automatic dialler/number store, that's a cinch to use.

Move to the help/menu bar screen, drop down the Other menu and select 'Dialer...'.

T ROLLOW WORK COLOR

1 Uniterm's opening screen. Bare, right?



⊙ Communications speeds up to 19200

You're presented with a dialog similar to that shown in Figure 6.

Those ten slots are available for your tele-

Those ten slots are available for your telephone numbers. Move to the first, hack in the name of a system, say, WimpleWare, insert the telephone number 0225 12348765, move to the next slot, number two, and continue with another service and number.

When you've filled all the slots or finished entering numbers, click OK. Back on the Help screen, click the left mouse button, you'll be transported to the Online screen. Now click the right mouse button to bring up the torn-off menu. See a difference? This time, instead of a menu containing Uniterm functions on the left side and blank slots on the right, the latter is occupied by the services/modems you just typed in (see Figure 7).

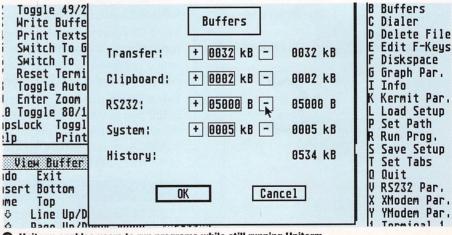
To dial, all you have to do is select one of the services with the mouse pointer and click. The message area at the bottom of the screen changes to show that the number is being dialled and the service is contacted.



2 More help than you can shake a modem at!



Click the right mouse button for this menu



6 Uniterm enables users to run programs while still running Uniterm

F1 Reset F2 Toggle F3 Write F4 Print F5 Switch F6 Switch F7 Reset F8 Toggle	Dialer setup	Menu SCII Par. uffers ialer elete File dit F-Keys iskspace raph Par. nfo
F9 Enter 7:	7: 8: 19: 10: 8ccess code: Prefix: ATD. Suffix: S. Hangou; X4(18) ATH Retries:	ermit Par. oad Setup et Path un Prog. ave Setup et Tabs uit SZ32 Par. Hoden Par. erminal 1

(3) There's a built-in dialler in Uniterm



Your numbers appear on the help menu

## ST... the future is here

To buy a COMPO product please call one of our Authorised Dealers today:-

Birmingham	Evesham Micros	021 458 4564
	Software Express	021 643 9100
Cambridge	Evesham Micros	0223 323898
Coventry	Software Express	0203 632192
Edinburgh	Silicon Centre	031 556 9514
Evesham	Evesham Micros	0386 765180
London	Atari Workshop (Radio Service Co)	071 708 5755
	CMV Computers	071 734 1719
	Silica Shop, Selfridges	071 629 1234
	Silica Shop, Tottenham Court Rd	071 580 4000
Nottingham	Atari Business Centre	0602 810009
Plymouth	Software Express	0752 265276
Preston	Ladbroke Computing International	0772 203166
Royston	Cambridge Business Software	0763 262582
Sidcup	Silica Shop	081 302 8811
Windsor	Atari Workshop (Radio Service Co)	0753 832212



## That's Pixe (TM) Makes images happen

Whether creating or editing images using That's Pixel you will appreciate its unique three window editing system.

See an overall preview of your complete image, a pixel level view and a regular normal size view on screen at the same time. Because changes can be made in any window and automatically updated in the other two That's Pixel allows anyone, no matter what their artistic skills, to work quickly and accurately on an image.

That's Pixel supports the ST's high resolution mode and is ideal for users of DTP software, scanners and word processors that import images.

#### Write ON (TM)

#### A new word processing standard for the ST

normally found only in DTP programs.

Write ON is Compo's new word processor.

Affordable, easy to use and extremely powerful, it fulfils the needs of all but the most sophisticated user.

Write ON uses paragraph styles which make formatting a document faster and more flexible than with a conventional word processor; a feature

Exceptionally powerful printing capabilities are a major plus for Write ON. Now you can access all the fonts built into your printer for fast, high quality output. And, for ultimate flexibility, you can use one of the many additional fonts included in Write ON.

That's Write, Write ON and That's Pixel are trademarks of COMPO Software Ltd
PC Speed and AT-SPEED are trademarks of Sack Electronics GmbH
All other trademarks are acknowledged
All new products subject to availability. E&OE.
Dealers please note:
All COMPO products are available either from SDL or directly from COMPO.

#### That's Write The perfect ST word processor

When your word processing needs include powerful functions like footnotes, endnotes, automatic generation of index and table of contents, a powerful dictionary with at least 110,000 words and more, you need That's Write.

But with all it's power, That's Write is still extremely easy to use. On screen you have the familiar GEM user interface and a WYSIWYG display, even with proportionally spaced fonts.

The latest release of That's Write, V1.51, includes an English dictionary. Additional dictionaries are available in a number of languages including French, German, Dutch, Swedish, Spanish, Italian and American English.

#### AT-SPEED (TM) The power of two

AT-SPEED is the latest PC emulator board from Sack Electronics, the originators of the ST's best selling emulator, PC-Speed. Based on the 80286 micro processor and with a Norton factor of 6.7 AT-SPEED runs PC programs including Autocad, Microsoft Windows V3 and Microsoft Flight Simulator. The new UK version of AT-SPEED includes support for EGA and VGA graphics emulation on the Atari monochrome monitor - the ultimate in screen resolution and compatibility - with no need to scroll in E00.



COMPO Software is one of the leading software houses for the Atari ST in Germany where the number one selling word processor is COMPO's That's Write.

COMPO is committed to the ST market with a continuous program of enhancements for its existing programs and a number of new products due for release over the next twelve months. An example of this development activity can be seen in That's Write where the latest version is already optimised for the forthcoming Atari TT.

Now with its new office, COMPO can offer full support for ST users in the UK. If you are currently using a COMPO product then you can officially register it either by writing to, or calling, COMPO Software Limited.

For further information on any COMPO product please complete the coupon below.

Setting New Standards

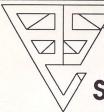
7 Vinegar Hill, Alconbury Weston, Huntingdon, PE17 5JA

Tel: 0480 891819 — Sales 0480 891271 — Hotline 0480 890787 - Fax

I am interested in horinische Dender.

and the address of the heaves

The month of St do you don? Which happy do you he?



#### Cambridge **Business** Software

#### ATARI ST SOFTWARE

ACCOUNTS	
Small Business Accounts Cash	£69.95
Small Business Accounts Extra	
Small Business Accounts Plus	PHONE
Cashbook Controller	£39.95
Final Accounts	£24.95
Cashbook Combo Pack	£59.95
System 3 (Inv/Stock)	
System 3 Extended	£59.95
Cash Trader	
Wages ST	£89.00
Personal Accounts Plus	£26.90

DATABASES	
Base Two	£49.95
Data Manager Professional	£29.95
Superbase Personal 2 (v3.02)	£69.95
Super Base Professional (v3.02).	
Digita DGBase	£39.95
Prodata	£59.95

DESKTOP PUBLISHING	
Timeworks DTP	£69.95
DTP Clip Art Pack	£19.95
Pagestream	
Fleet Street Publisher v3	

COMPUTED AIRED DEGICAL

DECKTOD DUDI ICHINIC

COMPUTER AIDED L	DESIGN
DynaCADD	£747.50
PC Board Designer	£135.00
BeckerCAD	299.00
Megapaint II	£79.95
GFA Draft Plus v1.5	£79.95
GFA Draft Plus v3.13	£109.00
CAD 3D v1.0	£18.95
CAD 3D v2 (Cyber Studio)	£39.95
Cyber Control	£32.95
Cyber Paint V2	£39.95
Cyber Sculpt	£59.95
Cyber Texture	£39.95
Architectural Design Disc	
Easy Draw 2	£39.95
Supercharged Easy Draw 2	
Easy Draw Tech Art Pack	£29.95
Easy Draw Scan Art Pack	£29.95
Fasy Tools	£29.95

MasterCAD 3D	
MUSIC	
C-LAB Creator v3	£275.00
C-LAB Notator v3	£459.00
CUBEAT	PHONE
CUBASE	£459.00
FM Melody Maker	£57.95

Canvas

#### LANGUAGES & COMPILERS

Mark Williams C v3	£89.00
Mark Williams C Source Debug	
Prospero C	
Prospero Fortran	
Prospero Pascal	
Prospero Toolkit	
Hisoft Lattice C v5	
Hisoft C. Interpreter	
Hisoft Devpac v2.22	
Hisoft Power Basic	
Hisoft Basic	
Hisoft Nevada Cobol (With CP/M)	
FTL Modula 2	
FTL Modula 2 Developer	
FTL Toolkit	
WERCS plus GDOS	
GFA Basic Interpreter v3	
GFA Basic Compiler v3	
Nevada Cobol (with C/PM)	
MPE Forth 83 (GEM)	
Minix	£99.00

SPREADSHEETS		
K-Spread 3	£67.95	
K-Spread 4	£89.00	
K-Spread 4T	£129.00	
Logistix v1.2	£79.95	
Hyperchart by Atari	£99.00	
LDW Power Spreadsheet	£99.00	
Digicalc	£29.95	

WORD PROCESSORS	
GST First Word Plus v3.15	£57.95
Protext v5	£109.00
Protext v4.2	£69.95
Wordperfect v4.1	£179.95
Timeworks Wordwriter	£39.95
Thats Write	£85.00
Write On	£45.00

MISCELLANEOUS	
Neodesk v3 (UK)	£34.95
G + Plus	
Multidesk	£29.95
Deluxe Paint III	£44.95
Hyperpaint v2	£29.95
Hyperdraw	
Degas Elite	£19.95
Spectrum 512	£24.90
Knife ST	£24.90
Harlekin	£39.95
Turbo ST v1.8	£29.95
Mailshot	£19.95
Mailshot Plus	£34.95
GFA Gem Utilities	£24.90
SLM 804 Epson Emulator	£24.90

No surcharges on European orders! Many other titles in stock.

#### Phone 0763 262582 NOW!

£13.00

#### NEW RELEAS

Neodesk v3 (UK)	£34.95
Protext v5	
C-Lab Creator v3	£275.00
C-Lab Notator v3	£459.00
C-Lab Notator v3	£459.00

#### SPECIAL OFFERS

Megapaint II	£79.95	
BeckerCAD		
Small Business Accounts	£59.95	
Timeworks DTP + DTP Clip Art Pack	£85.00	

All prices include VAT & delivery. Make cheques payable to Cambridge Business Software

Melbourn Science Park, Moat Lane, Melbourn, Royston, Herts. SG8 6EJ



IMMEDIATE DESPATCH (subject to availability) ORDERS WELCOME FROM EDUCATION, GOVT. & TVEI

**HOW TO ORDER:** 

VISA

TEL 0763 262582 • FAX 0763 262425 • TELEX 817932

## COMPUTER

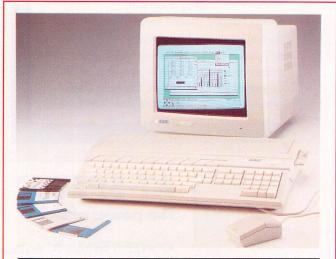
#### Happy Christmas to all our customers Atari Packs too numerous to list

#### DISCOVERY PACK

- 520STFM COMPUTER
- **BOXED ST BASIC DESKTOP ACCESSORIES**
- \* ST TOUR TUTORIAL
- \* CREATIVE SOFTWARE
- **4 ARCADE GAMES**
- \* DISCOVER THE ATARI ST

£299.99

PHONE PAUL FOR THE LATEST PRICE AND MORE INFORMATION ABOUT OUR HUGE RANGE OF ACCESSORIES



SM124 high resolution mono monitor SC1224 medium resolution colour monitor Cumana Imb double sided disk drive Philips 8833 colour monitor 30mb ST hard disk drive Atari SLM804 laser printer

FirstWordPlus WordPerfect for the Atari Flight Simulator Timeworks DTP Virus killer Steinberg Pro 24

#### ACCESSORIE

Full range of Atari accessories available

24 HOUR SALES LINE REBEIN MESSED ABOUT BY
AND HAVE A FRENDLY CHAT

O582 475577

All prices correct a

THEN TOWN HIS THEN KISSED BOTH OF THE SET OF THE WASTED BOTH OF THE SET OF THE WASTED BOTH OF THE SET OF THE WASTED BOTH OF THE SET OF THE SET

#### Product: Golden Image Hand Scanner Supplier: Golden Image (UK) Ltd Telephone: 081 518 7373 Price: £199.95

Configuration: All STs, 1Mb recommended, colour and mono

olden Image UK is new to the ST scene. Its optical mouse is one of the best mice for the ST. Now it's released a 400 dots per inch (dpi) scanner onto the market. In the face of some stiff competition from both the Kempston DAATAScan range and the Hawk scanners from Signa Publishing, the Golden Image scanner must be pretty special to compete.

The package contains the scanner, an interface cartridge, power supply and Migraph TouchUp software. The interface cartridge is solic and well made in moulded cream plastic. It fits solidly into the cartridge port and shows no sign of coming adrift.

The scanner is plugged into the back of this cartridge, together with the lead from the power supply. The power supply is the kind with a 12 volt transformer integrated into the plug, and getting this working proved to be a problem because it's the Continental, two-pin variety and needed an adaptor plug.

The scanner itself follows closely the established design for this type of unit. The handle fits comfortably into the hand with all the controls readily available.

On the left-hand side, the 'start scan' button is positioned under the thumb, with a four position switch for selecting the scanning mode located further back. The right-hand side holds a contrast control and the resolution switch. During scanning there was an unfortunate tendency to knock the contrast control with a stray finger, which ruined the scan – so be careful when scanning.

#### **VIEWING WINDOW**

The top of the scanner is empty except for the large viewing window at the front and a small light. This light indicates the progress of the scan. A steady light means that all is well, and a blinking light indicates that the scanner head is moving too fast over the image. If the light goes out altogether then you must re-scan the image because you have lost data.

The Golden Image scanner can scan at any resolution from 100 to 400dpi. The 400dpi mode eats memory at a phenomenal rate, and on the minimum configuration 1MB machine, the maximum length of the scan is just four inches.

The 1MB machine used for this review ran out of memory at inconvenient times, so the more memory you have the better. An output of 200dpi is sufficient –most dot matrix printers only manage about 180dpi, so unless you have a laser, the 300dpi and higher modes will seldom be usefully employed.

The scanner provides a scan width of four inches, and the area of the page being scanned is clearly visible through the window at the front of the scanner.

The Golden Image scanner uses an array of green Light Emitting Diodes (LEDs) to illuminate the image being scanned. This is said to give a much better reproduction from colour pictures than the normal red LEDs which are used in most scanners. When scanning a colour picture, the scanner converts the colours to 64 shades of grey, or grey scales, as they are commonly known

## GOING FOR GOLD

Simon Lawson is quick off the mark to judge the latest hot contender in the desktop publishing stakes



When scanning a colour picture, it's best to take a photocopy of the picture first and scan that, because reproduction from a black and white image is far superior to a colour one.

The switch on the side of the scanner changes the type of dithering used by the scanner, although the manual provides neither an explanation of the switch positions, nor recommendations on which setting to use to obtain the correct result.

#### **MIGRAPH TOUCHUP**

For Golden Image, the inclusion of the Migraph TouchUp software with this scanner represents something of a triumph. Since it was released earlier this year in conjunction with Migraph's own scanner, TouchUp has been hailed as the best scanning and image manipulation software available for the ST.

TouchUp can run in all three screen resolutions, although it can only process black and white images. Driven almost entirely from the friendly and intuitive icon-based interface, the powerful features are easily accessible to the novice user. A standard GEM menu bar runs along the top of the screen, and there's a large toolbox of icons down the left-hand side.

The main functions of the program are located in this toolbox. The first bank of six icons controls the program, and the icons below change depending on which function is selected. Clicking on some of the icons activates a pop-up menu under the cursor so that further options can be selected.

Scanning an image with TouchUp is extremely simple. Simply select the Scanning Control icon, set the resolution and length of the scan and click on the Scan icon.

TouchUp controls the scanner directly and will only power up the hand unit when these settings have been selected. It is important that the resolution setting on the scanner and the resolution set in the software are the same or the scan will be useless.

When an image has been scanned, TouchUp provides a host of post-processing tools. One of the most useful is the ability to clean up a scanned image, automatically removing any stray pixels that make the image look untidy.

The whole image or a selected area can be flipped from black to white and back again. Areas of the image can be clipped out and saved to disk for later use or even to be included in other pictures. Picture elements can be sheared, stretched and deformed in a variety of ways to create new images.

Another useful aspect of the software is the fully-featured paint package for making manual alterations to the image. It includes tools like Bezier and B-Spline curves, and all operations are buffered so mistakes can always be undone, saving time spent on redoing a piece of work. Although intended merely to touch up scanned images, the painting facilities of TouchUp rival many commercial painting packages.

Perhaps one of the most important features of TouchUp is the variety of picture files it can load and save. As well as the IMG format native to GEM and used for scanned images, TouchUp can read and write Degas, Degas compressed and NeoChrome files, Macintosh MacPaint and TIF files, as well as IBM pictures in PCX format and Amiga IFF-ILBM. No matter which machine you intend to use the scanned images on, TouchUp supports the right file type.

TouchUp can output picture files directly to the Atari SLM804 laser printer, provided your machine has at least 2Mb of memory. A separate utility called Outprint is provided for printing to other devices. Outprint can be called from within TouchUp by a process called 'shelling' or run as a separate program from the Desktop.

Outprint needs the supplied copy of Atari GDOS installed so it can use the fonts and printer drivers. This means that it is quite flexible, although it tends to be slow. It will print to cameras and film recorders if you have the correct drivers.

Migraph supply their own GDOS drivers with TouchUp which seem to be better than many of the standard Atari drivers. Outprint allows several files to be queued for printing one after the other, and printing can be aborted at any time.

#### **DOCUMENTATION**

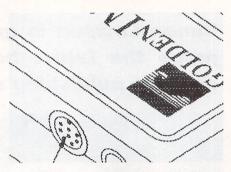
The booklet provides the minimum of information, merely allowing users to set up the scanner correctly. There's no explanation of the three photographic scanning modes or the contrast controls.

Fortunately, the Migraph manual almost makes up for the deficiencies in the rest of the documentation. It's clear and well laid out, and provides an excellent tutorial and guided tour of the package. The lack of an index makes reference difficult, although the table of contents is helpful.

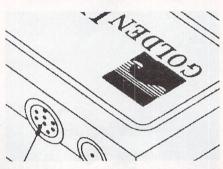
A 400dpi hand scanner and Migraph TouchUp for under £200? Buy it!



This image was scanned at 200dpi - lines appear to be broken and jagged



The same image from the manual at 300dpi - an improvement but still far from perfect



400dpi gives excellent quality. Ideal for DTP work - lines are clear and solid



Line art scans best at 400dpi, although it does take up quite a lot of memory



Migraph TouchUp is powerful and flexible and makes the package excellent value

#### START DITHERING...

The Golden Image system, like all hand scanners, is happier when scanning either black and white line art, or grey scale pictures. Scanning in colour is still in the realm of the multi-thousand pound professional scanners.

If a colour photograph needs to be scanned, a technique called dithering is used to convert the colour to grey tones. Dithering involves using a pattern of black and white dots to create the illusion of different shades of grey.

The Golden Image scanner offers three different types of dithering, with progressively smaller patterns of dots. The finer the dot pattern the better the grey scales look, but at the cost of a decrease in the apparent resolution of the image. The fine dots can blur the contrast between light and dark areas of the image, so the overall image is not as share.

Dithered images also take up more memory and disk space because the image is made up of more dots and is more complex than a simple black and white image.

If the scanned image is to be printed out on a dot matrix printer, then the size of dots the printer uses must be taken into account. Fine dots will not print well on a low resolution 9-pin printer because the pins on the printer are too large. Fine dithering is really only worthwhile on a laser printer which will give a much sharper printout.



#### THE BOTTOM LINE

Features: Everything you could ever want from a scanner in a single package, and £50 cheaper than anyone else. Don't be without it.

Ease of use: TouchUp makes scanning simple for the beginner yet is powerful enough for the professional. A hard drive and extra memory is recommended.

Features
Excellent
Good
Average
Bad
Appalling

Ease of use
Excellent
Good
Average
Bad
Appalling

## GASTEINER

Unit 4, Fairways Business Park, Lammas Road, Leyton, London E10 7QT

Sales 081-518 7676 Fax 081-518 7585

## **JATARI** 24 hr ans phone Fax 081-884 2415

#### Computer Packs

Atari 520 STE Power Pack	£349
Atari 520 STFM Discovery	£269
520 STE Turbo Pack	£349
Atari 1040 STE Extra Pack	£429

#### Computers

Atari 520 STFM	£269
Atari 520 STE	£POA
Atari 520 STE (1 Meg)	£POA
Atari 520 STE (2 Meg)	£POA
Atari 520 STE (4 Meg)	£POA
Atari 1040 STE	£429
Mega 1	£519
Mega 2	£799
Mega 4	£1099

#### Monitors

Atari SM124	£109
Atari SC1224	£269
Philips CM8833	£229
Quadram Multisync	£369
NEC 3D	£499
NEC 5D	РОА

#### All our drives incorporate Drives high quality mechanisms GAS 30 Mb 28MS .....£379 GAS 40 Mb 11MS .....£549 GAS 50 Mb 28MS .....£439 GAS 60 Mb 28MS .....£549

GAS 85 Mb 28MS .....£599

GAS 180 Mb 28MS .....£1299 Any other capacities made to

order

#### Make your own Hard Drive

GAS SCSI Host Controller£6	9
(with software)	
GAS Hard Disk Kit£172.5	0
(Includes case, controller & PSU)	

#### Printors

11	1111113	
Eps	on LX400	£179
Eps	on LQ400	£229
Eps	on LQ550	£399
Citi	zen 120D	£159
	zen Swift 24	
Pan	asonic KXP 1124	£249
Pan	asonic KXP 1081	£159
Star	LC-10	£179
Star	LC-10 col	£209
Star	LC 200	£POA
Star	LC 24 200	£POA

#### Laser Printers

Atari SLM 804	£1049
NEC Postscript	£1723
HP Laser Jet 2P	£799
HP Laser Jet 3	£1435
Epson GQ1000	£875
Panasonic 4420	£1915

#### GOLDEN IMAGE

Atari 3.5" 1Mb Drive	£69.95
Atari 5.25" 1Mb Drive	£109.00
GI Mouse 290dpi	£19.95

#### NEW • NEW • NEW

Optical Mouse 800dpi	£34.95
Scanner with touch up	
S/W 400dpi	£169.95

#### Accessories

Sony disks per 10	£10
Joysticks from	
Clocks	£24.95
Mouse Mats	£4.95

Toners (SLM804)	£39
Ribbons	.POA
RAM Upgrades (Gasteiner 2x2)	
2 meg	.POA
Printer Cables	£5.00
Diskboxes (80)	£5.95
Diskbarres (40)	C4 05

Monitor Switch Box .....£19.95

Monitor Scart Lead .....£10 Twin Joystick ext. Cable.....£5.95 Rainbow TOS (fitted) .....£99

#### Internal 3.5" DS Drives .....£69 Original Atari Replacement Drives....£129

#### **Emulators** PC-SPEED

The premier hardware PC emulator for the Atari ST, STE and Mega series of computers.

PC-SPEED	for	STFM	£129
PC-SPEED	for	STE	£149

#### AT-SPEED

Worlds first 286 Hardware PC
Emulator for the Atari ST and Mega
series of computers
AT-SPEED£17

NEW!! Speed bridge for easy
connection to any Mega£29.95

AT ONCE (	286 processor	)£189.95
Supercharge	r	POA

#### SPECTRE GCR

Apple Macintosh emulator. The
award winning product for the ST.
Enables ST to read and write
Macintosh disks.
Supports Hard Drives£3

#### Coftanaro Bucinoce

Software Dustriess		
That's Write	£69	
First Word Plus	£59	
Protext	£69	
K-Spread 4	£99	
Logistix	£69	
Prodata	£59	
Data Manager Pro	£29.95	
Superbase Personal 2	£49	
Sage Accountant	£99	

#### Programming

I rogi wiitinting	
Prospero Pascal	£74.95
Prospero C	£99
Prospero Fortran	£99
Hisoft Basic	
GST C	£14
Mark Williams C	£99
CSD Debugger	
Borland C	

#### Granhice

girpiroco	
Timeworks DTP	£6
Fleet St Publisher v3	£159
Pagestream	POA
Easy Draw 2	£29
Cyber Studio	£39
Cyber Paint	£39
Cyber Control	
Autoroute	£89
NEO DESK V3	£34.95
ALL CYBER ACCESSORI	ES IN
STOCK DI EASE DUON	

#### Music and Samplers

C-Lab Creator	POA
C-Lab Notator	
Steinburg Pro 24	
Cubase	
C-LAB Alpha£	

MERRY CHRISTMAS & A HAPPY NEW YEAR TO **ALL OUR CUSTOMERS** 



GASTEINER

Unit 4, Fairways Business Park,



Lammas Road, Leyton, London E10 7QT

## - And the choice is yours...

#### **GASTEINER MOUSE**

For the unbelievably low price of £9.95 (normally £19.95) you'll receive this fantastic high resolution mouse from Gasteiner. (Offer available to subscribers only).

or

#### **VOODOO NIGHTMARE**

The brilliant new release from Palace Software, Voodoo Nightmare is yours, free with a subscription. Wild animals, natives, gods and the Witch Doctor - brilliant graphics and great effects. What more could you want? All this plus twelve issues of the very best ST read on the market today!

#### SUBSCRIPTION ORDER FORM

Valid to January 31, 1991

Please tick the appropriate boxes

Please register my subscription to Atari ST User

including my fantastic FREE monthly disk!



#### 12 MONTH SUBSCRIPTION (UK only)

**UK** Subscription including my free copy Voodoo Nightmare

Subscription including disk, and absolutely fantastic Gasteiner mouse

£29.95

9382

RENEWAL

£39.90

3 9380

#### **EUROPE & EIRE**

Subscription including monthly disk RENEWAL 9356 9357

**OVERSEAS AIRMAIL** 

Subscription including monthly disk NEW 9358 RENEWAL £49.95

Orders received by Dec 20 will commence with February issue

Payment: please indicate method ()

Cheque/Eurocheque made payable to Interactive Publishing Expiry

Access/Mastercard/Eurocard/Barclaycard/Visa/Connect

Name

Address

Post Code

Daytime telephone number in case of queries

Send to: Database Direct, FREEPOST, Ellesmere Port, South Wirral L65 3EB (No stamp needed if posted in UK)

Order at any time of

address and credit card number

the day or night Don't forget to give your name Orders by phone: 051-357 1275

Orders by fax: 051-357 2813

Orders by MicroLink: MAG001

General Enquiries: 051-357 2961

## ATERACT VE RESCUE

#### A ROUND ON THE LINKS?

I am writing to ask your advice on two things. Firstly, I own an Atari 520STFM and Atari 520STE. How can I link these two machines together so I can play games such as Falcon and Stunt Car Racer? And can I play link-up games so long as they are STE compatible?

Secondly, I have a VHS video cassette recorder. How can I connect this to either of the above computers, so I can save frames from my videos onto disk, preferably in Degas or Neochrome format? If I can do this, what software and hardware is needed? Steven Parker, Bretton, Peterborough.

You cannot connect directly a VHS, Betamax or any other type of video cassette recorder. What's needed is a device known as a 'video digitiser'. These connect to the cartridge port of the ST and to your domestic video recorder. Then, with the aid of accompanying software, you can grab frames from videos. The quality is not outstanding, but the results can usually be manipulated, as you suggest with one of the popular paint packages such as Degas. Video digitisers will connect to any ST including the half meg machines, but the more memory your ST is equipped with, the more you'll be able to do in the way of grabbing complete sequences for your own animations.

So. What to buy? Several manufacturers are currently vying for your hard-earned in the video digitising arena at the moment, but one of the most popular – certainly the cheapest – is the VIDI-ST from Scots silicon

suppliers, Rombo (0506 414631). At £99.95, the VIDI-ST produces a startlingly fast 12 frames per second of grabs, is accompanied by some excellent software and represents incredible value for money.

Both the STE and the standard, everyday ST are equipped with RS232 serial ports. Games that offer a serial link-up so that two players can indulge in the fun make use of the ports in order to transfer information between each machine and game. There is no reason why an STE version of a link-up game and an ST version should not work together.

Obviously the extra effects supplied in the former version will not appear in the latter, but then the link is usually for transferring positional information and not details of colour and sound. My advice is to try it!

If you're handy with a soldering iron, and have access to two 25-way D-type connectors and a length of serial cable, run up a serial lead with the following connexions: pin 2 to pin 3, pin 3 to pin 2, pins 5 together and pins 20 together. Plug in and go! If it doesn't work (it will certainly work with some games) all you've lost is the price of the cable.

#### **GIVE A LITTLE WRIGGLE!**

I bought my 520STFM approximately three years ago and only during the three months have I experienced trouble with it.

When the computer is turned on, the disk drive loads normally for a few seconds and then the computer suddenly shuts down,

exactly as if the plug had been pulled out. Static appears on the TV screen and the power light at the left-hand corner of the keyboard turns off. On most occasions, the computer re-starts almost immediately without being touched, although it sometimes takes 15 to 30 seconds while I wiggle the power cable, flick the power switch at the back of the machine and hit the keyboard with a lump hammer! And then, the whole thing happens again. This can occur some nine or ten times before the computer finally operates properly.

So far, the computer only behaves in this way when it is first started up. Any subsequent use is usually trouble free (although it has suddenly shut down twice after being used for over two hours). I have had the power cable checked and all the software – mostly games – is on disks bought from reputable dealers.

Could you please tell me what you think might be the cause of the problem, the approximate cost of repair and the address of a suitable computer repairer?

A Ormond, Dyfed, Wales.

The problem is not with your software, it's with your hardware – specifically, the power supply (at least, that's what it sounds like...). All this wiggling of the power cable may have resulted in a broken solder connexion, or perhaps one of the power supply's discreet components has gone awry. In order to find out, you'll have to have the machine examined by a competent repair centre.

Don't try to fix the power supply yourself. As well as invalidating the machine's guarantee, you could do yourself what's known in the trade as

Computer cracking up? Disks doing back flips? Printer out of puff? 'USER's very own Silicon Service Supremo is at your disposal.

...anything can happen in the next half hour ...

#### UNIVERSAL OVERNIGHT DISTRIBUTION LTD

TEL: 0228 42373 (ext. 53)

Callers most welcome

Fax: 514484

Unit 26, Enterprise Centre, James Street, Carlisle, Cumbria, CA2 5BB

#### DISKS DISKS DISKS

50+: 37.5p 10+: 48p 250+: 36p 100+: 37p 1000+: 33p 500+: 35p Individually wrapped 100% certified and guaranteed 3.5" DSDD 135tpi disks with labels Add 1p for Access & Visa orders on above prices



#### **DISK BOXES**

Lockable high quality disk boxes at unbeatable prices:

Qty: 1+ 40 cap £4.99 £4.25 £3.99 80 cap £5.99 £5.25 £4.99

12 capacity library cases £1.65 £1.40 £1.00

#### 3.5" DISKS WITH BOXES

25	Disks with 40 cap box:	£14.95
35	Disks with 80 cap box:	£19.95
45	Disks with 80 cap box:	£23.95
55	Disks with 80 cap box:	£26.55
80	Disks with 80 cap box:	£38.95
160	Disks with 2x80 cap boxes:	£68.95
240	Disks with 3x80 cap boxes:	£122.95

Our claim: We are probably the cheapest disk and accessory supplier in this magazine!

Individually wrapped 100% guaranteed DSDD disks Remember - Prices INCLUDE VAT AND POSTAGE



#### **DUST COVERS**

Amiga and Atari Dust covers. High quality covers protect your Amiga or Atari keyboard 1+ 3+ £3.50 £3.25 £2.99

QUALITY COMES FIRST AT UNIVERSAL!

#### **ACCESSORIES**

Charles and the same of the sa	Mouse Mat:	£2.99
	Mouse House:	£1.99
	3.5" Cleaning Kit:	£2.95
	5.25" Cleaning Kit:	£2.95
IBM or AMIGA par	allel printer cable:	£6.95
	rinter stands	

DON'T RISK STORING DATA ON OTHER TYPES OF DISKS -**OURS ARE INDIVIDUALLY** WRAPPED, 100% CERTIFIED AND **GUARANTEED ERROR FREE** 



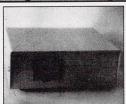
#### MONITOR STAND

The monitor stand enables you to swivel your monitor in nearly any direction.

1+£11.95 - unbeatable High quality 14" Universal

monitor stand takes any monitor from 12" to 16"

Extra disk labels (3.5") per 100.....£0.85



#### DATA SWITCH BOXES

Our quality switch boxes use only the BEST connections: 1:2 parallel type.....£15.95 1:2 serial type .....£14.95

High tech. rotary controls

#### CARPHONE OFFER...

Spend over £30 and we'll send you a FREE carphone voucher for a £299 RRP carphone! Cheap billing etc. While stocks last!

#### ALL PRICES INCLUDE VAT AND POSTAGE!!

To order via telephone simply quote credit card number and expiry date To order via mail make cheque or PO payable to: UNIVERSAL OVERNIGHT DISTRIBUTION LTD



Trade customers, call for spot prices. Bulk buyers - we have great prices. Overnight courier (get your goods tomorrow!) £7.99. Min order value: £5



a 'mischief' (as in "Lor lumme, I done myself a mischief, didn' I?") – power supplies have a lot of amperage passing through them which is potentially lethal. Don't risk your life. I suggest you call Silica Shop. The company is experienced in all manner of ST repairs, but be warned – if the problem is in the power supply, a repair will relieve you of megabucks!

#### **HOTLY TIPPED**

Try this incredibly simple tip (gosh! A refreshingly clear start to a letter – SSS). When de-archiving cover disk programs, first transfer these files including the Arc program to a RAM disk which can be quickly installed on boot up. Open the RAM disk and proceed as normal to de-archive your program gems! This is much faster than using the disk drive for the operation. Plus, if you don't like the program you can drag the RAM disk contents to the trash can and just watch those files disappear faster than a double click.

It doesn't always work however. Your November disk didn't seem to work with this method, although I only tried it with one kind of RAM disk.

Finally, I have yet to see a totally authentic version of Space Invaders for the ST. No compromise in sound effects and graphics can compete with the original, even though the ST has superior capabilities in these areas. Also, I hate using the joystick for simple left, right and fire functions – the keyboard is far better for this. I find little things like this make all the difference.

Simon Jackson, Mansfield, Notts.

Thanks for the tip, Simes. There isn't a completely authentic version of Space Invaders around, but there are one or two sexy adaptations in the public domain – check them all out.

#### ALL AT C

I am working for a programming company in Sweden, and we have started to develop our programs and systems in C++, the object-orientated language, with Unix as an operating system on Sun SPARC stations.

I've been looking around in your magazine for an article or an advertisement for a C++ implementation on the Atari ST, but never seen any, so my question is then, does it actually exist? Public domain or commercial, it doesn't matter. Any other object-orientated language can also be interesting, but I've never seen anything about others either. I found it rather strange, due to the fact that you always say that the Atari machines are so popular in wide circles and object orientation is really hot nowadays! There are several benefits with C++ and it's much better than programing in standard C. I also think it would be a good idea for the magazine to have an article about C++ and object-orientated programming, because in the PC and Unix worlds, these things are quite common. Anders Askerup, Sweden.

As far as I'm aware, there isn't a version of C++ available for the ST or indeed, any other object-orientated programming language (write and tell me if I'm

wrong, OK?). There may be something from that last bastion of the incredibly serious, the German public domain scene, but I'm not aware of it. A lack of features about C++ and object-orientated programming? Now you know why...

#### ILLITERATE PRINTER!

I have an Amstrad LQ3500di 24-pin dot matrix printer. The thing is, it misspells! It does this between three and eight times per A4 page of text. When I persevere, I do sometimes get a completely correct printout. The same problem is true when printing graphics (Degas Elite mostly). But in graphics printing, the problem manifests itself in the printing of errant dots, which are almost acceptable.

I have put the printer back from whence it was bought, but shortly after it had returned with a clean bill of health. I then went begging and managed to borrow an Amstrad DMP3000 9-pin dot matrix printer and a Juki 6100 daisywheel. Both of these worked perfectly straight off, no setting of DIP switches or fiddling about with printer drivers. In fact, both worked fine with a fair selection of drivers. I then took my printer walkabout and tried it on an Amstrad PC and it worked perfectly (sic). I have disks full of printer drivers for many varied machines both 9-pin and 24-pin drivers but my printer behaves exactly the same with each. Can you please help?

I am a computer user, not an all round user/programmer/hacker, so I am unable to tailor an existing printer driver to suit my needs (even with the help of the 'design your own printer driver' article which was printed in ATARI ST USER from April 1987 onwards. Can you tell me where I can get a specific printer driver for my Amstrad, if, in fact, it is the printer driver that is the problem? I am currently using a 1040STE.

I would appreciate your help in another matter. Is it possible to fit a maths co-processor into my 1040STE and if so, which models ought I to consider? How much would it cost, could I fit it myself and where would I get one from? If I can fit one, what types of software (other than CAD packages which I believe benefit vastly from such an addition) will speed up even moderately?

Ian Lyall, Turriff, Aberdeenshire.

Hmm, curiouser and curiouser as a certain small girl once said. In order for a printer to work correctly, you need to have a cable to connect it to your computer and a suitable printer driver to send the correct data format from the computer to the printer.

Lose any part of the equation, and the whole shebang stops working. In your case however, the situation is indeed a strange one. I've examined your letter and noted the intermittent typos, but find it difficult to understand why the rest of the letter was in perfect fettle. Usually if a printer doesn't work, then it doesn't work with a vengeance!

Are you actually using the correct printer driver for your computer/ printer combination – and I mean exact? Is the printer cable very long or sited next to some electro-magnetic radiating device, ie a monitor, TV or such like? Are the DIP switches set absolutely correctly (bearing in mind your driver software may be behaving eccentrically)? Unless the STE is sending out some occasional extra blip (much the same as a certain computer from Sinclair did a few years ago) and as no-one else has noticed the problem, I doubt that it lies in this direction. Perhaps the short and honest answer is, dunno!

As for your second question, there is no inherent space in the ST to fit a maths co-pro as such (in the same way that you can with an IBM PC...), but there are processor upgrades which significantly increase the speed and general performance of the ST.

Unfortunately, the upgrades cost a lot of money, sometimes more than the cost of the computer itself. For many users, a faster processor is simply a very expensive toy that they can manage perfectly well without. The processor upgrade however, as opposed to the PC's maths co-pro, will speed up every operation rather than just the number crunching-intensive functions.

If you do decide that your machine cannot live and function without a large increase in speed, contact Third Coast Technologies (0257 472444). The company will sell you, for a sum near the fat end of a cool thou, a processor accelerator.

#### THE LESSER-SPOTTED GOBLIN

The disk which accompanied the December edition of ST USER is corrupted by a virus in the boot sector.

This virus is known as No19 in the ST Club virus killer (version 3.9) and is called Goblins. One would think in an organisation such as yours that no mistake should occur. I would have thought it would be part of your Organisation's system to check each program to ensure that you would not corrupt the ST buying public. I have had several disks corrupted before I realised what the problem was and then there was the problem of tracing the source.

I have no doubt that you will receive many letters like this one, but I think that you are obligated to make a statement in your next issue to ensure that all the people concerned are aware of the virus.

The Goblin is mainly interested in copying itself to other disks and will occasionally put a silly message on the screen. Fortunately, the virus will not deliberately damage files on an ordinary floppy or hard disk, although it could be a hazard to auto-booting game disks IF you don't take the standard virus protection precautions.

Always keep your disks write-protected, and switch off your ST for at least one minute before booting a game. If you haven't already killed the Goblin with one of the many virus killers freely available, then you can use the custom-written Goblin killer we've put on this month's CoverDisk. Follow the instructions and the Goblins will be banished for good.

## COLLOIF E

## The page that points the finger at the companies in the know

#### PRICE CHECK

All prices were correct at the time of going to press and as usual, include VAT. A comprehensive buyer's guide can be found in the pages of our sister publication, ST World.

#### COMPUTERS

Atari 520STE Power Pack	£399.99
Atari 520STFM Discovery Pack	£299.99
Atari 1040STE Super Pack	£499.99
Atari 1040STE Professional Pack.	£499.99
Atari Mega ST1	£589.99
Atari Mega ST2	
Atari Mega ST4	
Stacy 2Mb	
Stacy 4Mb	
A STATE OF THE PERSON NAMED IN COLUMN TO SERVICE OF THE PERSON NAMED IN COLUMN	

#### MONITORS

Atari SC1224 monitor	£299.99
Atari SM124 monitor	£149.99
Philips CM8833	£310.49

#### FLOPPY DRIVES

Actionsoft 1Mb 5.25in	£134.95
Atari SF354 single sided	
Atari SF314 double sided	
Cumana 1Mb 3.5in	

#### HARD DRIVES

Atari Megafile 30Mb hard disk drive £499.99 Atari Megafile 60Mb hard disk drive £689.99 Supra 30Mb hard disk....£499.95

#### OTHER HARDWARE

Atari SLM804 laser printer & ii	nterface £1,379
Atari Mouse	
Casio MT240 MIDI keyboard.	£89.95
Epson LX850 printer	
EuroLink Modem	
Linnet Modem	
Linnet 1200 Modem	
Star LC10 mono printer	£263.35
Star LC10 colour printer	£297.85

#### BEST BUYS

Each month the editorial team selects the best five buys in one type of software package. This month, MIDI packages:

C-Lab Creator, C-Lab£299 64 track sequencer with edit
C-Lab Notator, C-Lab£499
64 track MIDI sequencer
Cubase, Evenlode£550
For the professional
Cubeat, Evenlode£285
Cut-down version of Cubase
Pro 24, Steinberg£199
24 track MIDI rec/sequencer

#### DIARY DATES

#### **UK EVENTS**

#### 6 to 9 December 1990

Computer Shopper Show Organiser: Blenheim Database (0625 879970) Venue: Wembley Exhibition Centre, London

#### 22 to 23 December 1990

4th All Formats Computer Fair Organiser: John Riding (0225 447453) Venue: Wembley Exhibition Centre, London

#### 4 to 6 January 1991

16 Bit Computer Fair Organiser: Westminster Exhibitions (081 549 3444) Venue: Hammersmith Novotel, London

#### 14 to 16 April 1991

European Computer Trade Show Organiser: Blenheim Database (0625 879970) Venue: Business Design Centre, London

 If your company is organising a show relevant to the Atari ST and is not listed, let us know so that it can be included in the diary.

#### ADDRESS BOOK

Arnor 611 Lincoln Road, Peterborough PE1 3HA. Tel: 0733 68909 Fax: 0772 561071

Atari UK Atari House, Railway Terrace, Slough, Berkshire SL2 5B2. Tel: 0753 33344 Fax: 0753 822914

CIX Suite 2, The Sanctuary, Oakhill Grove, Surbition, Surrey KT6 6DU. Tel: 081-390 8446

Digita International Black Horse House, Exmouth, Devon EX8 1JL. Tel: 0395 2700273 Fax: 0395 268893

Gremlin Graphics Software Alpha House, 10 Carver Street, Sheffield S1 4FS. Tel: 0742 753423 Frontier Software PO Box 113, Harrogate, N Yorks, HG2 0BE. Tel: 0423 567140

Interactive Publishing Europa House, Adlington Park, Adlington, Macclesfield, Cheshire SK104NP. Tel: 0625 878888 Fax: 0625 879966

Ladbroke Computing 33 Ormskirk Road, Preston, Lancashire PR1 2QP. Tel: 0772 203166

MicroLink 4 Moons Park, Burnt Meadow Road, Redditch,Worcestershire B98 9PA. Tel: 0527 67585, 0527 69459 (sales and marketing)

Millennium Chancery House, 107 St Pauls Road, London N1 2NA. Tel: 071 548 9897 Power Computing Power House, 44A Stanley Street, Bedford MK41 7RW. Tel: 023 427 3000

Prestel
Dialcom UK, Dialcom House,
Brindley Way, Hemel
Hempstead, Hertfordshire
HP3 9RR.
Service Tel: 0442 237777
Sales Tel: 0800 200700

Silica Systems 1-4 The Mews Hatherley Road, Sidcup, Kent DA14 4DX. Tel: 081 309 1111

Third Coast Technologies Unit 8 Bradley Hall Ind Est, Standish, WN6 OXQ. Tel: 0257 472444

US Gold Units 2-3 Holford Way, Holford, Birmingham B6 7AX. Tel: 021 625 3388

#### REPAIRS

Ampower Computer Repairs 15a Alcester Road, Studley, Warwickshire B80 7AG. Tel: 0527 85 3374

Avon Micro Centre Unit 4, Western Road Industrial Estate, Stratford-upon-Avon, Warwickshire CV37 OAH. Tel: 0789 292269

Ladbroke Computing 33 Ormskirk Road, Preston, Lancs, PR1 2QP. Tel: 0772 203166

Evesham Micros Unit 9, St Richard's Road, Evesham, Worcestershire WR11 6XJ. Tel: 0386 446441

Silica Systems Unit 10, Ruxley Corner Industrial Estate, Sidcup Bypass, Sidcup, Kent DA14 5SS. Tel: 081-300 3399

WTS. Electronics Chaul End Lane, Luton, Bedfordshire LU4 8EZ. Tel: 0582 491949

Analogic Computers (UK) 152 Latchmere Road Kigston Upon Thames, Surrey KT2 5TU

## Your Second Manual Row includes disks! Manual Row includes disks!

by Andreas Ramos

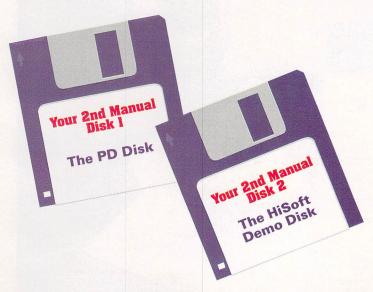
Would you like to get more from your ST? Like to learn about its innermost secrets: the mouse, the keyboard, floppies and hard disks, RAM disks, the screen, the desktop and how to change it etc? Do you want to find out which word processor to use, how to make a printer driver, which cable you need, how to log-on to bulletin boards, where to find public-domain software and much, much more?

Then look no further - Your 2nd Manual has all the answers. Written by Andreas Ramos, the man voted ST Man of the Year 1989 by ST World readers, Your 2nd Manual is a pleasure to read, with an informal, friendly style that makes it easy to learn about the true power of your ST computer.

But Your 2nd Manual has more than just the factsit has concrete examples of how to mend a broken keyboard, how to recover lost disks, how to keep your mouse squeaking perfectly, even how to make your screen larger!

All this plus hints and tips on what to look for in a word processor, or a DTP package, or a paint package ... where to find Atari throughout the world, how to publish your own software and, as if all this wasn't enough ...

#### 2 Free Disks!



High Quality Software

The Old School, Greenfield Bedford MK45 5DE UK

Tel: 0525 718181, Fax: 0525 713716

#### **Public Domain Disk**

#### A disk full of goodies including:

- icon editor, key editor, mouse accelerator
- calendar, clock, snapshot program
- disk cache, RAM disk, new file selector
- keyboard shortcuts for menus etc.
  - utility to organise your start-up (AUTO-SEL)
- file copier, mono emulator for colour screens
- + a complete 'breakout' game BALLZONE

#### **HiSoft Demo Disk**

#### Full demonstration versions of:

- Power BASIC Compiler
- Tempus 2 Editor
- Turbo ST Software Blitter
- Devpac 2 Assembler
- The new HiSoft multi-window editor

#### Plus a slide show of:

- Harlekin
- HiSoft C Interpreter

Both disks are double-sided

#### **Priority Order Form**

Yes, please rush mecopy(ies) of Your 2nd Manual, with 2 free disks.
Name:
Address:
Post Code:
I enclose a Cheque/Postal Orders
I would like to pay by:
Access/MasterCard/EuroCard etc. Visa/TrustCard etc.
Card No:
Expiry Date: Signature
Your 2nd Manual costs £14.95 inclusive within the UK. Within Europe you should add

within the UK. Within Europe you should add £1.50 P&P whilst outside Europe the shipping charge is £3.

Please post this coupon to HiSoft at the address opposite. We will despatch your order within 2 working days of receiving it,

if we fail, you don't pay!

## NEODESK3 YOURS FOR THE ASKING!

An astonishing ten copies of the latest version of NeoDesk are here, just waiting to be snapped up...

ast month, 'USER reviewed the latest version of NeoDesk, the replacement Desktop from Electric Distribution. Included on our CoverDisk was a working demo of an earlier version of this excellent program. If the demo whetted your appetite, then keep reading 'cause 'USER has ten, yes ten, copies of version 3, worth almost £400, to give away to lucky readers.

Version 3 builds on the huge success of the previous releases, and adds a host of brilliant new features, including macros, a recoverable trashcan (phew!), and superb new window functions.

NeoDesk 3 is now available in your local dealer for the paltry sum of £39.95, which makes it probably the best software bargain

of the year. But wait! Before you dash off to part with the cash, have a bash at our really easy-peasy competition!

#### **QUESTION TIME**

To win a copy of NeoDesk, all you have to do is look at the NeoDesk review in last month's 'USER carefully, (whaddya mean, you didn't buy a copy?) and then look at the list of features presented below. Using your skill, judgement and blind luck (stick a pin in the page) you have to rate these features in what you consider to be their order of importance.

So, if you consider the recoverable trashcan to be the most important feature, put the letter K next to the 1 on the form. List the rest of the features in descending order, so the most important goes next to the 1 and the least important goes next to the number 10. When you've listed the ten features in what you think is the right order, fill in this tiebreaker question: "The feature I would most like to see added to NeoDesk is .....because ......" and then give the reason why, in thirty words or less.

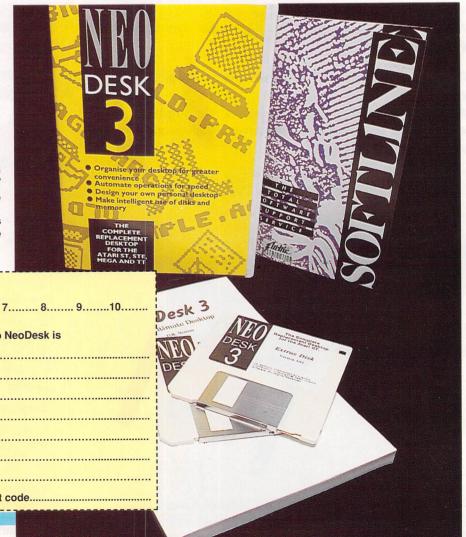
The most original, useful and well thought out answers will win one of the ten copies of NeoDesk 3 we have to give away, so get thinking. All your ideas and suggestions will be passed on to Electric Distribution and Gribnif Software, so you might just see your idea appear in a future version of the program. Fame will be yours at last (well, among your friends, anyway).

#### THE LIST OF FEATURES:

- A. CUSTOM ICONS
- **B. ICONS ON DESKTOP**
- **C. SPLIT WINDOWS**
- D. MOVEABLE DIALOG BOXES
- E. RUNS IN ALL RESOLUTIONS
- F. TEXT ON DESKTOP
- G. DEGAS PICTURE VIEWER
- H. IMPROVED DISK COPY
- I. CUSTOMISED DESK ACCESSORIES
- K. RECOVERABLE TRASHCAN

Send your entry to: AMAZING NEODESK COMPETITION, Atari ST User, Europa House, Adlington Park, Macclesfield, SK10 4NP.

The closing date for entries is 31 January 1991. Winners will be announced in the April issue.



ENTRY FORM:
1 2 3 4 5 6 7 8 910
The feature I would most like to see added to NeoDesk is
because
because
Name
Address
Address
Post code

Media Direct Dept STU Unit 19 The Business Park Bedford Street, Shelton Stoke-on-Trent, ST1 4PZ

Please add £2.95 P&P per Order Next Day delivery £10.00 U.K. ORDERS ONLY





**TELESALES HOTLINES** 

0782 208228

#### QUALITY

#### **GUARANTEE**

All our products carry our full replacement no quibble guarantee

REMEMBER !!!

We only supply Quality Beware of cheap imitations

#### RAINBOW PACK DISKS

(Red, Green, Blue, Yellow, Orange & White)

3.5" DSDD (100% error free)

15.45
29.45
42.95
55.95

5.25 DSDD (100% error free)

25 DSDD	£10.45
50 DSDD	£18.95
75 DSDD	£27.95
100 DSDD	£34.95

COLOURS AND QUANTITIES OF YOUR CHOICE

#### **AMAZING OFFERS ON** 3.5" DSDD DISKS

25 DSDD 135 tpi	£10.95
50 DSDD 135 tpi	£20.95
75 DSDD 135 tpi	£30.95
100 DSDD 135 tpi	£39.95

#### SPECIAL OFFER

200 DSDD DISKS & 2 x 100 CAP. BOXES

£81.95

#### STACKABLE STORAGE **BOXES**

#### **BANX BOX**

holds 90 3.5"disks can be stacked horizontally and vertically

1 off.....£9.00 each 3+.....£8.50 each 5+.....£8.00 each

THE AMAZING POSSO BOX

holds 150 3.5" disks & can be stacked horizontally or vertically only £15.95

#### 3.5" HIGH DENSITY DISKS

All disks 100% cert. & error free 10....£9.95 25....£24.45 50....£47.50 75.....£69.75 100.....£89.95

inc. Labels

### FOR BULK BUYERS 3.5" DSDD 135tpi DISKS

....£269.95

#### **SWITCHES AND CABLES**

2 WAY DATA SWITCHES:-SERIAL....£12.95 PARALLEL.....£12.95 PAR. PRN CABLES...£7.95

#### **SONY BULK** 3.5"DSDD

25.....£13.25 50....£24.45 75.....£36.95 100.....£46.95 200.....£89.95 500.....£199.95 1000.....£369.95

#### 5.25" DSDD DISKS

All disks 100% co	ert. & error free
50	£12.95
100	£23.95
150	£35.25
200	£45.95
Labels &Envelo	opes supplied

#### 5.25" DSHD DISKS

All disks 100% cert. & error free 50.....£22.45 100.....£43.95 150....£62.95 200.....£79.95 Labels &Envelopes supplied

**MEDIA** 

DIRECT

#### LIMITED OFFER ONLY

**BRANDED DISKS** SONY or VERBATIM

> 100 3.5" DSDD only £69.95

100 5.25" DSDD only £59.95

£1:00 off

Standard 50 or 100 capacity boxes when purchased with disks

\*\*\*

#### **SYNCRO**

\*\*\*

**EXPRESS II** 

#### **DISK DRIVES**

AMIIGA 3.5" EXTERNAL DRIVE Slimline and very quiet only £59.95

ATARI 3.5" EXTERNAL DRIVE Slimline and very quiet (Requires no external power supply) only £59.95

£34.95

THE COMPANY THAT PUTS THE CUSTOMER FIRST

#### **GENERAL ACCESSORIES**

CHALEN/MOUGE MATO	
QUALITY MOUSE MATS	£2.50
MOUSE POCKETS	£1.50
3.5" CLEANING KIT	£1.80
5.25" CLEANING KIT	£1.80
AMIGA DUST COVER	£3.95
ATARI DUST COVER	£3.95
2 PIECE PRINTER STAND	£6.95
LABELS per 1000	£9.95
<b>TILT AND TURN MONITOR</b>	STAND
£12.95	

#### **DISK STORAGE BOXES**

3.5" 100 CAPACITY	£5.50
3.5" 50 CAPACITY	£5.00
5.25" 100 CAPACITY	£5.50
All the above have lock &	dividers

3.5" 10 CAPACITY£0.95
or 10 for£7.50

#### **JOYSTICKS**

PRO 5000	£12.95
NAVIGATOR	£12.95
KONIX SPEEDSTICK	£9.95
RIBBONS	

STAR LC10 MONO	D£3.50
STAR LC10 COLC	UR£6.95

Supplier: School Software Ltd Telephone: 010 353 6145399 Price: £22.95 (Junior Typist £16.95) Configuration: All STs, colour only

ast year's political debate centred on the environment, and at conference time all of the parties claimed to be 'greener' than the rest. This year, the politicians packed their buckets and spades and went off to seaside resorts, trying to convince the electorate that their party would put the country's education system back on the right path.

But a child's education shouldn't depend on the six or seven hours a day spent in the classroom. With hoards of software around learning can actually be fun – honestly, it is possible. Finding a good program however, can be a daunting task for parents. The pile of software from which to choose has been increased recently with several programs making their way onto the ST's screen. Others have been relaunched by the same company.

These packages come from a small Irish company with the rather apt but uninspired name of School Software. They cover a whole range of subjects as well as being aimed at various age groups. All require a colour monitor and many are very cunningly disguised as games to keep the child's attention. None of the packages is overpriced – all cost £22.95, except for Junior Typist which is a little cheaper at £16.95.

#### THE THREE BEARS

An adventure game which is loosely based on the fairy tale of the same name, with the child taking on the task of rescuing the baby bear from the wicked witch. It's aimed at children in the five to ten-year-old age bracket. The publisher markets The Three Bears with the claim that it improves reading skills and develops imaginative thought.

The program progresses as the user answers questions in the usual adventure game manner, although the majority require little more than a simple Y or N reply. Others demand a word to be punched into the software and a couple ask for a word's missing letters to be entered.

The graphics are reasonably pretty and there's limited sound, but unfortunately the program falls down on typographical mistakes and poor grammar – just what you don't want in an educational program.

Screens holding incorrect text such as "Are you the 'witch's servant?" followed by "The Wizard casts a spell. He sents you to the witches castle" don't really do much to convince you to pass the program on to a young child.

A brilliant idea and graphically sound, but before being given to a child as an education program the errors need to be ironed out – surely it can't be a big job? As an adventure game, however, it works well.

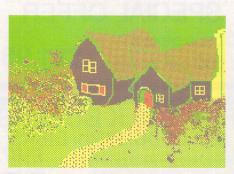
#### **MAGIC MATHS**

This is for primary school children aged between four and eight. Simple arithmetic is contained in five programs on the single disk and the compilation is based on both addition and subtraction.

Fast Maths is the first of the bunch and is presented like a game. A train waits and when a sum is correctly answered it will move on - its speed is increased by 10

## TEACHERS' PETS

James Nicholson examines the latest educational software packages and gives them a gold star



The Three Bears: simple but pretty graphics are used throughout. A great way for children to improve their reading skills while having fun

miles per hour every time a question is answered correctly. (Now we know what BR's problem is – they can't get the questions right!) As it moves along, more and more passengers enter the carriages, and when the speed reaches 100 miles per hour the student has completed the game.

Number Strip is very similar but takes place in a different scenario. A robot stands in the left-hand part of the screen and simple sums are presented inside a speech box. Bars near the bottom of the screen are coloured in to correspond with each number in the question, so the total number of bars highlighted is the answer to the sum.

The third choice from the main menu is Sums. Questions involving addition and subtraction appear on the screen only to fade away fairly rapidly, leaving the child with no choice but to supply the answer. It's not immediately apparent what the point of fading them out is – perhaps it's just to speed up the game a bit. Overall, it's well written, and suitable for children in the specified age group.

#### **MATHS MANIA**

One of the company's older products, but nevertheless remaining one of the best. Intended for kids aged between eight and twelve-years-old, it progresses from addition and subtraction to the more difficult multiplication and division.

There are several programs in the compilation: Mind Power, Blast Off, Memory Maths, Driver and Brain Boxes. Mind Power arranges five or six shapes in an order which is kept secret by the computer. It's rather like a game of mastermind. The player then tries to guess



Rescue the baby bear from the wicked witch by answering questions in this adventure type game for five to ten-year-olds

the order in which they appear, and is told which ones in their sequence are in the correct position. The child is given four more attempts to get the sequence spot on.

The second program, Blast Off, is a test of memory. Shapes are plotted onto a grid and the child has a limited time in which to memorize their positions before they are wiped from the grid. They must then be replotted by the player. After the initial playing, the game can be made more difficult, so that the colour and shape of each item has to be entered as well.

Memory Maths tests multiplication and division skills to the full. Questions shown onscreen soon fade away and the right answer has to be punched into the computer – well, hopefully it will be the correct one. There are three levels of play – easy, medium or hard.

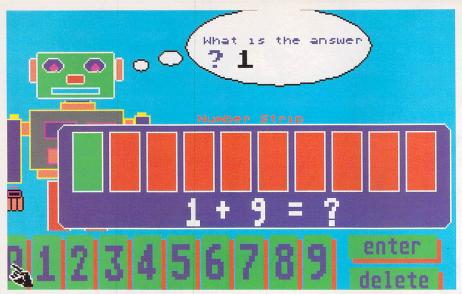
Driver is the same as the Fast Maths element of the Magic Maths compilation, although based on multiplication and division questions.

The aim in Brain Boxes is to balance scales by correctly answering mathematical questions. This is a well written program, and one which should be very beneficial to a child in the targeted age group.

#### **BETTER MATHS**

For older students, Better Maths provides tuition and testing on most sections of the GCSE syllabus. The program is divided into two sections, in which students can expect to find anything from general interest to algebra

Each subject has a few screens of tuition and examples before the student is thrown in



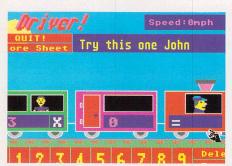
Magic Maths. Number Strip is just one element. The number of strips lit up corresponds to the figures which appear on the screen. The total number of strips is the answer to the sum



Junior Typist. A tutor teach the keyboard layout and shows which fingers to use



Junior Typist. The falling words must be typed before they reach the bottom of the screen



Maths Mania. Answer the questions correctly to get the train's speed up to 100mph



Better Spelling. Words are flashed on-screen and must be retyped correctly



Better Maths. Older children can be helped to brush up on the GCSE maths syllabus

at the deep end with questions. Usually four questions appear on each screen and Better Maths gives clues by putting the four answers to the questions at the bottom of the screen, it's up to the student to match the correct question with its solution.

The subjects covered include algebra, ratios/gradient, factors, quadratic equations, statistics, simple interest, mensuration, percentages, simple calculations, tables, geo



Better Spelling. Use the mouse to select programs. Are you a beginner or advanced?

metry, trigonometry, sequences and series, and fractions. Any program which can make these subjects interesting is most definitely worth a look.

Again, minor errors crop up here and there, such as Pi being correctly referred to initially as 22/7. But the program then goes on to say "or 3.14259" (it should be 3.14159 by our calculation). A small but significant mistake. The graphics can't be compared to the best shoot

'em ups, but that doesn't prevent Better Maths from being an ideal learning tool for teenagers. This one is well worth a look.

#### BETTER SPELLING

Leading us from maths to English is Better Spelling, a program for anyone who needs help with spelling and is over the age of eight. There are four groups of words to be quizzed on, and a beginners and advanced level.

Words are flashed onto the monitor for between one and twelve seconds and the student has to retype them – hopefully as they appeared. The score is increased for a correct spelling and there's no award for a mistake.

Twenty words are flashed on-screen, with an anagram to be rearranged appearing after every five spelling questions. Once the exercise has been completed, the student is tested on a new set of words but they will be on-screen for a second less than previously.

The words in the beginner's test are far too simple, even for an eight-year-old, but the advanced test is suitable for older children, although many of the words tested wouldn't generally be regarded as those likely to cause problems. It isn't long before some of the words are repeated, and this is an indication of the program's limits.

At the end of the session the student will be given a score and, if it's high enough, will be placed in the high score table. The use of graphics and sound is limited, but in a program such as this, they should not be judged as a reason to buy or avoid the product.

Overall, it's another very good idea. The important thing is the text which has been let down by a poor choice of words, and the inability to go back to any words which the user misspells – surely this would help users?

#### **JUNIOR TYPIST**

One of the new releases, Junior Typist attempts to improve children's typing speeds. It boots up to give the student a choice of six options. (Now you can have a six-year-old secretary at home!) There are four programs to be tried: Tutor, Typing Game, Typewriter and Spelling Game.

Tutor attempts to teach the keyboard layout to newcomers. A series of explanations and exercises take the child through the various finger positions, which are used by professional typists.

For a bit of fun, try the Typing Game, in which words scroll down the screen and should be typed into the machine as they appear. As each word is entered correctly, it will be shot down and your score increased. Failure to type the word before it reaches the bottom of the play area will lose you one of your three lives.

Typewriter converts the ST's keyboard into a typewriter. As the child types, the characters are printed onto an attached printer – pretty basic and not really worthy of being included on the disk.

Testing a child's memory for words is the aim of the Spelling Game. Available in various levels, words appear on the screen and have to be remembered within a user-defined time. At the end of the session, a bonus question gives the typist an anagram to be rearranged into a word.

Overall, Junior Typist is a very usable program which tries very hard to hold the child's attention with a series of games.

### SOFTWARE EXPRESS









#### **BIRMINGHAM**

#### **COVENTRY**

#### **PLYMOUTH**

For the best in Service & Support, visit our Regional Branches

HARDWARE
SOFTWARE
PRINTERS
DISKS, RIBBONS ETC

#### **MIDLANDS**

212-213 Broad Street, BIRMINGHAM, B15 2JP Tel: (021) 643 9100 71 Far Gosford Street COVENTRY CV1 5DZ Tel: (0203) 632192

#### SOUTH

9 Exeter Street, (The Viaduct), PLYMOUTH, Devon, PL4 9AQ Tel: (0752) 265276



## STITCH UP YOUR BOOKIE . . . . for only £24.95!

Pro-Punter is a remarkable piece of software that gives you a much higher than average chance of winning on the horses.

Officially proven to the racing press and other magazines by sending time and date franked letters by Post Office mail, Pro-Punter has shown that it can predict winners with remarkable accuracy.

And it is also cautious with your money. If it thinks there is any doubt about the outcome of a race it will advise you not to bet.

For a short period, the best news of all is that you can save over  $\pounds 32$  off the recommended price if you buy it from us.

But remember, this is a limited offer, so avoid disappointment by placing your order soon.

RRP £57.50

Our Price £24.95

**SAVE £32.55** 



#### Excerpts from a review in the Racing Post:

"Pro-Punter is the best available

... Using it over the course of a year, all the various types of races were analysed. The results were impressive: 102 selections produced 52 top-rated winners, providing an after-tax profit of £888.24 to a £10 level stake, with prices ranging from odds-on to 12-1. (Giving a return on capital of 79%)

"The computer advised a bet in 20 races, finding 18 winners.

"With results like that, Pro-Punter deserves the praise lavished upon it by other press reviews and satisfied customers. . ."

PLACE YOUR ORDER USING THE FORM ON PAGE 149

## ALL ABOUT VONITORS

ome, perhaps most, ST users will never even contemplated buying a monitor. For most people, the family TV provides a screen good enough for playing the latest arcade megablaster. So why spend more than two hundred and fifty pounds on a glorified TV?

When ST owners first consider buying a monitor, they're faced with a problem caused by the ST having two distinct modes of operation. The low resolution mode will give 16 colours on the screen and is ideal for playing games, but it's no good for anything serious like word processing. In low resolution, letters appear fuzzy and indistinct, and there are only 40 columns of letters on every page.

The high resolution mode gives a crisp black and white picture, with an 80 column display which is ideal for serious work, but who wants to play black and white games?

The four-colour medium resolution mode is a compromise between the two extremes. Medium resolution usually runs on a colour monitor and can sometimes be used instead of a mono screen. There is, however, still some software which can only be run on a true high resolution screen - a mono monitor.

#### WHAT IS A MONITOR?

Basically a monitor is a television which has been specially designed to work with a computer. Monitors have a higher resolution than a normal television. This means that there are more phosphor dots per inch of screen, so the picture is much sharper and less inclined to flicker.

Monitors lack the special circuitry that allows a television to pick up normal TV signals. Instead they are preset to channel 35, which is reserved for computer equipment. Monitors take their input from special connectors that provide a much better signal than the signal received by a TV. These signals are divided into individual red, green and blue parts, with stereo sound included for good measure

Computer monitors and domestic televisions work on a similar principle. A sealed glass tube has the screen at one end and a device called an 'electron gun' at the other. All the air is removed from the tube to create a vacuum. The gun generates a stream of electrically charged particles called electrons. which are then fired down the tube. Powerful magnets in the tube bend the beam from side to side, so the electrons strike the back of the screen in different places.

The back of the screen is coated with thousands of coloured dots of phosphor, which glow for a fraction of a second when the beam of electrons strikes them. These dots make up the picture that appears on the screen. The beam of electrons is scanned from the top left of the screen to the bottom right, so all the phosphor dots are



made to glow, thus producing a good image.

Pictures on a colour screen are made up of individual dots of red, green and yellow colour monitors are sometimes referred to as RGB because of this. The three colours of dots are combined at different brightnesses to form any colour or shade produced by the computer.

Because the dots fade very quickly, the electron gun scans across the screen up to 60 times every second, or 60 Hertz, to keep the picture bright and sharp. Some monitors are capable of scanning faster than this.

These dots are often referred to as PICture ELements, or PIXELS. The number of pixels displayed per square inch of screen determines the Dot Pitch of the monitor. The lower the pitch of a monitor, the less space there is between each pixel and so the better the quality of the picture the monitor displays.

A monochrome monitor works in much the same way, but it only has white dots on a black screen. The white dots are made to

glow and this produces a black and white image. The electron gun on a monochrome monitor scans across the screen faster than a colour unit, because the higher resolution means that there are more pixels to be refreshed every second.

#### CONNECTIVITY

Connecting pieces of electrical equipment together has always been a problem, because different manufacturers design equipment in various ways. Several years ago, European manufacturers decided on a standard way to connect equipment - the SCART Euroconnector. Most monitors now come with a SCART socket

The ST's video out signal is SCART compatible, and any monitor sold for the ST should come with a suitable ST to SCART lead. SCART sockets can also be found on video recorders, stereo systems and satellite television receivers.

The other way to connect an ST to a monitor is by using an RGB signal. Here the individual components of red, blue and green

# PUBLIC DOMAIN - ONLY

Characters between asterixes show special requirements: \* M \* = M ono Res, \* C \* = C olour Res, \* D \* D ouble sided disk, \* X \* = 1 Meg Ram.

& copy disks. Doc in German but the progs are Ramdisk & setup utils for Mega's. Taskcopy work 378 - Fastdisk speeds up reading & writing COPY 2.0, disk copier. FORMAT prg & acc

838 - SUPERBOOT V5. - ST boot prog, choose to floppies, Auto folders on hard drives, & to boot from drive C 337 - Selection of Hard Drives utils. Inc. a prog dir checking, back up utils

.ACCs, Auto progs to run DESKTOP.INF

384 - LABEL EXPERT a great label maker, has for disks, video, & tapes.

ARC.TPP user-friendly. DISKTOOLBOX v2.03 check Boot Sector etc. HYPERFORMAT v2.56 upto 929K bytes. V/KILLER 2.2 detect & disable **884 - AMC GDOS**, Atari's replacement for GDOS, used the same. ARC SHELL v1.98 make fully docs + MORE

322 - NEOCHROME ART PACKAGE Great colou pics. + some progs for converting Degas to Nec 321 - Great selection of 6 high quality Degar

disassembler & Meta util giving access to downloaded fonts. Fonts Inc., font data 375 - FONTEDIT v3.0, Editor & loaders for Ram&

package with Star 10 & C Itoh prtr drivers. \* M package from Germany, Schaltpl, Electronics 390 - E-PLAN CAD, stock list facility. A great CAD

Ram), menu driven drawing package. Both progs 391 - COLUMBIA, Drawing prog with some 3D elements & co-ord display. Studio (1 meg

397 - DOODLE, Original Mono & Col Also NEOCHROME v0.6 + moreF12P10 - DOODLE, Original Mono & Col versions

376 - FONTS2, 7 screen & desktop fonts bia, Devoll, Hudson, Saturn,

537 538 539 593 **DOUBLE SENTRY** accounts TYPING TUTOR (1)

TYPING TUTOR (2) normal options. ' M '

- THE ARTIST, Great drawing package with

394 - PICWORKS, Utility to enlarge, reformat & manipulate pics up to 3 times normal size. \* M \* 820 - SNOOPY, 25 carloons + display prog. \* C \*

manipulate pics up to 3 times normal size. \* M \* 820 - SN00PY, 25 carboons + display prog. \* C \* 540 - PUBLIC PAINTER
310 - 3 versions of ST Writer wordprocessor. Ful docs & a printer installation program. + template & quick ef files.

American trademarks from the 1920's &

**526** - 1930 Logic Logic USA.
541 - INVENTORY PRO
339 - Disk utils - a formatter that plays music to Some very atmospheric images from

compatible disk labeller, a fix prog for baddisks & MORE.

BICLOCK to set time/date without using 336 - Mono Emulator, ARC file compiler

> Hi-Res & outputs to printer. FONTRIX loads an 8 ACC slot. Coder enables to set up your printer from desktop. Degascon converts Degas pics to 881 - 100% IBM compatible formatter tha bit font & make it GEM difficult.+ MORE

Megamatic, Mono emu v3.0. STARTGEM for GEM progs to be run from the Auto folder. SWITCHER Splits ST in two. VIRUS formats 3.5" or 5.25" disks for DOS or TOS comes with source code. ARC SHELL v1.91 DESTRUCTION UTILITY V2.1.+MORE

other things. MEGAMINUTE v2.1 Hard drive do things like bypass HD Autoboot, run prog that you write & call COMMAND.PRG & loads of 834 - DOUBLE CLICK format v3.03 9/10 sectors Write an executable bootsector to

Gulam (included). Has network drivers. \* D \* 382 - Archive utils, including ARC, EXSQUZ compiling, printing, etc. Designed for use with enviroment. Up to / concurrent tasks such as SQUEEZE, STPACK, STSQ, UENCODE & TAU a 883 - MX-2 v2.3 a multi-tasking & multi-user

of docs. From the Delft University, Holland. & process colour images. Demo macros & plenty graphic formats such as NEO & DEGAS different facitlities to read & write different 809 - AIM v3.21, Image processing package. Has

text file archiver

text & print it with a large choice of different & original fonts on an Epson, IBM or NEC 876 - DELUXE FONTMASTER v2.0, Lay out

879 - PALETTE MASTER, Art package that offers the user up to 512 colours. Features such compatible printer. Plenty of fonts inc. or create

as airbrush, spraycan, fills etc. Docs in 1ST Word format. Demo pics. \* C \* palettes per screen. There's a choice of 3375 880 - COLOURBURST 3000 v0.3, Add different

packages & then modify. \* CX \*
520 - CLIP ART, Various Fonts, pics of famous colours. PICSWITCH Import screens from most colours to pics from other packages. Up to 50

old & new, Seasonal logos, images &

Manager with format, copy file, disk free and 328 - Formatter, -calender, clock, dir printer, Disk elaborate font & Christmas card images 523 - CLIP ART, Children's whimsical fon

829 - This disk is packed with various programs folder options. + MORE.

archiver/editor, edit bytes, edit tracks and analyse disks etc. With full docs. CPANEL is an improved control panel. F12P10 857 - DISKMECH a powerfull disk analyser. all kinds of labels

FORMAT 10 is a 10 sect/80 track formatter. VKILLER. PCOMMAND, file utility command driven like MSDOS. + MORE 886 - DIY DEMO, Make demos featuring a title 561 - GENESIS, Fractal landscape generator

programming skills. **842 - DEC** edit clone, Disk engineer v3.01 Do screen and scrolling message, without an ming skills

almost anything to a disk via GEM, such as providing a complete report on any disk, format, listings & FAT info.

limited address book & label printer, an auto disk catalogger that prints labels & a label prog for - ADDRESS LOG, On this disk there's a

printing all types of labels + MORE XFORMAT2, extended formatter. VC dsheet a non-GEM spreadsheet. **AUTOGEM** autoboots any Gem progon

style. Range of special effects. QUICK ST speeds up output to screen. BIGSCREEN simulates a 584 - MOUSE TRICKS, a .ACC that gives virtual screen in any res but has limitations. extensive control over mouse movement & menu

versions. + Fractal landscape prog and 'loads a 808 - FRACKTAL, A fractal drawing program from Germany - comes with Mono & colour

& has examples that you can examine & modify.

396 - MASTERPAINT, Drawing package with system. Loads of features, comes with full docs A HIGHLY PROFESSIONAL quality animation AEGIS ANIMATOR ANI-ST, Formerly the commercial package which retailed at £79.95!!

PAINTER is a drawing prog. superb features. Works in Mon & Col. LITTLE - CLIP ART, Various human figures, different

522 - CLIP ART, Sports figures of high quality

CLIP ART, Food images, Atari ST & Fuji etc. Disks, Computers, Robots & other Sci-

upon expressions, Horses, Building plan symbols & some different Christmas images. 525 - CLIP ART, Faces & Eyes, concentrating

527 - CLIP ART Various borders, fints etc. High

arty & cartoons - Picasso to small fluffy animals. 580 - LEAGUE SOCCER, Play the full league 581 - TOP OF THE POPS, Climb up the Top 50 programme. Watch your selected game with

coming at you thick & TastLHST HSBLACK DRAGON an almost complete text adventure. Most of the hard work is done You need STAC to 583 - CENTAURIAN, shoot'em up attacking craft ng at you thick & fast.FS1 FSBLACK or experienced groups.

you want to write your own games. Comes with system. Implemented in GFA Basic, is needed 352 - EAMON is an Adventure game writing

Docs. SPOOKS is a great PACMAN clone.
BELLUM INTERNECINUM is a fast action 856 - CHESSNUT, is a 3D chess game with full games that can be run without GFA.

progs in FORTH-83, ST Logo, ST Basic and 361 - A 68000 Assembler and a selection of

OSS Pascal.

305 - CPM EMULATOR, This is a CPM-8 version 2.0. Runs at 2 megahertz.

306 - CPM UTILITIES, Use with disk 305. This disk is necessary as it has all the DOS

813 - PROGRAMMING EDITORS, 3 editors is processor, parse & code generator all in one 334 - C COMPILER, Comprises boot up utility, ram disk, & command line interpreter. Compiler CONTEXT v2, PRO-ED &

316 - XMODEM, file transfer util. MODEM 7, a

VT200, 102, 100, 52, Tektronix 4010 & DCM term emulation, Docs included + MORE 536 - CASIO CZ SOUNDS & EDITOR, 2 Casio CZ

storage of sounds to disk SAMPLE FILE About 200 sounds on disk, progs also allow random patch generator. Also patch librarian program for Yamaha DX100/27 series synths series synthesizer editors/librarian progs, with

Examples Included. F12P10
341 - BARNYARD Game requiring the pairing of pictures & symbols are used to represent words Very easy for children to use & lots of fun

Firsy Byte educational programs from memory. Smoothtalk, demo of

INVASION, adventure

562 563 564 565 566 835 CHUNNEL, French tutor game \*C \*
 SKIDPAN, racing game \* C \* DARKNESS is forever, adventure

 1ST WORD Wordprocessor. Comes with a DIE ALIEN BLOB, shoot'em up game \* C\*

for writing text adventures. Includes Columbus, a

351 - Hack I is a Dungeon & Dragons text adventure with graphic maps.

invading Thraxx.

349 - SOLITAIR with 3D graphics. Macpan is like AMMOTRACK Superb blast'em game. Galaxy and Sprengmeister re strategy

multiple file transfer utility that - transfer the whole contents of a disk in one go. Full help docs... VT100 terminal emulator & STERN a comms package.

366 - UNITERM v2.0a with auto-dialler & phone

CONVERSION PROGRAM v1.00 by C. Flint. 859 - REBUS WRITER, Superb program to design & print Rebuses - a 'code' in which

synthesised speech. \* C \*
556 - VANGOUGH, Studio 2 - Art package.
557 - SPELLING made easy.
559 - KIDSONG, Numeric Go ro
Kidpublisher, No Maze. Go round

309 - ADVENTURE WRITING SYSTEM, Full docs ration utility & Docs.

347 - SPACEWAR, arcade game. FIRESTORM, you're on a mission of mercy, uses mouse. AZARIAN addictive shoot-em up. Beat the

508 - ATOMS, for 2-4 players. Take turns to place atoms & to dominate the screen. KILLERCHESS is a fast & turious game which is down to speed.

529 - STOCKMARKET, Wheel & deal on the Stock Exchange. GALACTIC WARRIORS, a good

826 - DATABASE 1, GEM driven database.

& upto 100 entries per statement. \* C \* different statements in memory at once

written by Neil Smith. Can be used as a Desk 827 - ST SHEET, A good quality spreadsheet

drum kit & many features the ST's soundchip or via midi interface, with

recorded, internall /external metronome signal sequencer program that run on all STs. 16 voice 96bpm resolution. Visual display of notes 535 - ACCOMPANIST 3.2, 'Full featured midi

Some song files, included. \* C \*
802 - THE PLANETS, A slide show around the

833 - YOUR SECOND ATARI MANUAL - 250 kbyte

text file of version 4 of the book. A must for all ST users.

545 - UPSTART, game \* C \*
546 - SLIDER, game \* C \*
547 - ADDICTION, game \* C \*
548 - ENGLAND team manager \* C \*
549 - FOOTBAL, pools predictor
551 - ROBOCOP playable demo (2 o
552 - BERMUDA race 2 . \* C \*
553 - ST VERTUE tennis \* C \*
553 - MAPOLEON \* M \* F5
555 - WAEDLEON \* M \* F5
555 - WAEDLEON \* M \* F5
555 - WAEDLEON \* M \* F5
554 - WAPOLEON \* M \* F5
555 - WAEDLEON \* M \* F5
556 - WAEDLEON \* M \* F5
557 - WAEDLEON \* M \* F5
558 - WAEDLEON \* M \* F5
559 - WAEDLEON \* M \* F5
550 - WAEDLEON \* M \* F5
551 - WAEDLEON \* M \* F5
552 - WAEDLEON \* M \* F5
553 - WAEDLEON \* M \* F5
554 - WAEDLEON \* M \* F5
555 - WAEDLEON \* M \* F5
555 - WAEDLEON \* M \* F5
556 - WAEDLEON \* M \* F5
557 - WAEDLEON \* M \* F5
557 - WAEDLEON \* M \* F5
558 - WAEDLEON \* M \* F5
559 - WAEDLEON \* M \* F5
550 - WAEDLE ROBOCOP playable demo (2 disks) ENGLAND team manager \*C\*

of ST WRITER now GEM orientated. It's a superb PD Wordprocessor with text files, & docs ST WRITER ELITE v3.8, the latest release

double sided disk users. The commercial version is available from us at a discounted price of presentation. 21 page manual on disk. The only difference between this & the commwercial time. 831 is for single sided and 841 is Top Publishing demo prog. Usea the WYSIWYG 831/841 EASY TEXT PLUS Fully working Desk version is that this only prints 1/4 of a page at a

## SPECIAL OFFER

and you can buy at the Buy any 8 PD or more same time.

135TPI disks for £23.99 135TPI disks for £12.99 50 bulk DS/DD 3.5" 25 bulk DS/DD 3.5"

887 - SOZOBON C, Probably the best PD C compiler with full K & R compiler support. Bit fields, structure assignment, etc. Includes utilities, Make and a shell. Only a text editor is

£18.50.

338 - Breakanoid is a great cross between

size is 3000 characters. Max file size is 320k bytes. learn. Online help screens. Max field

830 - HOME ACCOUNTS v1.0 by David Pullin

531 - COMPUTER PINBALL, as it sounds. DEVASTATOR, a 3D strategy game, & a DARTS

312, 313 & 314, C LANGUAGE DISKS 1, 2 & 3 of

illustrate the use of 'C'Each prog has C source Elementary C, a set of 3 disks of progs to of warplanes, accurate details, options to battle over modems or fly 'solo'. Full documentation on

530 - AIR WARRIOR, a Flight Simulator, Choice 528 - FLOYD THE DROID, an ultra fast shoot'em 847 - FRUIT MACHINE is a great fruit machine Breakout & Arkanoid. DGDB is a German game

the disk

875 - COMPOSER, music creation prog utilising

C' by Berry & Meekings. (This is 3 disks !!!) 839 - Nigel Smith's ST 68000 Ref. guide v2.0 Subjects are prog structure, functions, code, the assembler version & the runable progression. I/O decisions, loops, & more. Based on 'A Book On

planets with plenty of pictures, facts and figures.

pop up guide to Assembly language of the 68000

. Runs as a Desk .Acc

charting prog - It's fast, powerful & easy to use. GDOS support. Full docs. Plenty of examples. \* 874 - OPUS v2.2, GEM based spreadsheet 580 - FLYING START, a standard RS232 comms

pack, 7 option menu for various formats of data transfer. VANTERM 3.71 a great PD Comms

standard cofiguration files for TAPR, TNC1 TNC2, PAC-COM, TNC20-0 & TNC22-0, AE, 365 - WORLI mailbox program PK87 & PK232, MFJ1270 & 1274. Docs v3.3 with

**873 - B/STAT v2.01,** Sophisticated graphing & stats analysis prog. Various types of graph & analysis available. Input your own data or load it from various spreadsheet progs. Printer

832 - ST TOUR, Guided tour of the ST showing

use of Desk Accessories, menus, windows etc. tutorial form.

542 - TREASURE HUNTF5, platform game with

543 544 WGDATA, complete database system.
 AYATOLLA, game. \* C \*

PD disks exchange on accepted it from someone else have already accepted details, as we may send it in, send us the we don't list do not If you have any PD that We operate a 3 for 1 3 FOR 1 PD Exchange.

## \* PRICING \* \*

\*

\*

up to £5 with stamps (Values of 41p and 49p are extremely useful) & save the cost of Postal Orders. International orders add 10%. Air mail is 50p per disk up to 10 disks, then plus 20p for each disk 11 & over. the cost is £4.95 plus £1 P&P. You would obviously be better off ordering 6 PD at £5.94. You can pay for orders All orders under £5 must be accompanied by an additional payment of £1 for post & packing. If you order 5 PD

## ACCEPTED. Orders can be telephoned to 03548 ACCESS/EUROCARD/MASTERCARD/VISA ARE Send your order to: **Computer Connections**

Ashlaw House, Euximoor Drove, Christchurch, Wisbech, CAMBS. PE14 9LS

to: COMPUTER CONNECTIONS

International Money Orders must be payable 590. 24 hours a day, 7 days a week. Cheques &

#### **ATARI'S OWN MONITOR**

When the ST was launched, Atari realised that the special high-resolution mode built into the ST needed its own monitor.

The initial thrust of the sales pitch for the ST was as a cheap business alternative to the Macintosh, and the screen was a major selling point. Atari could not rely on a third-party manufacturer taking up this unique screen mode, so their only real

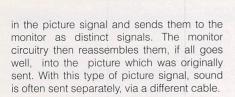
option was to produce their own monitor, which they then did.

The SM124 and its later successor, the SM125 were Atari's answer to the call for a special monitor. The mono monitor was praised because it offered an excellent display and clear, sharp pictures at a very competitive price – £149. The 12 inch screen was compact and matched the design on the com-

puter. It looked even better on the new Mega series machines when they were introduced.

Atari still sell the SM124, bundled with new Mega's or separately for the other STs. The SC1224 is the colour version of its older monochrome sibling. Both monitors have become firm favourites because of their attractive combination of low price and good performance.





#### **MULTI-SCAN**

Multi-scan monitors were originally developed on the PC to take advantage of the new graphics modes offered by the VGA displays which were introduced with the new generation of PCs, the PS/2 range. Slowly the technology has begun to filter down to home computers like the ST.

As the name suggests, multi-scan monitors have the ability to change the rate at which they refresh their screens to match the incoming video signal. Normal monitors scan the screen at a rate of 50Hz, while some of the better ones can manage 60Hz.

Special screens like the SM124 scan faster than this to provide higher resolution displays. A multi-scan monitor can vary its scan rate between 50 and 70Hz. For the ST this means that a single monitor is capable of displaying any of the three screen resolutions.

Multi-scan monitors always come with a special cable which includes a switch box. When the switch is changed from the low/medium to the high setting the ST will

automatically reboot. This allows the computer to reset its video hardware so that it can match the new resolution of the monitor and provide a clear, crisp image.

#### **MEGA-SCREENS**

OK, so a 12 inch mono monitor is all very well, but what about the really serious work? Desktop Publishing and specialist applications like Computer Aided Design often require monitors outside the normal range.

Imagine being able to see two whole pages at a time from a DTP package, or an entire musical score in your sequencer. This is possible using a special type of monitor.

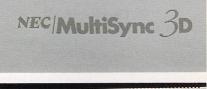
The 12 or 14 inch screen size of the normal monitor has been adopted as the ideal compromise between screen size and the cost of actually producing the monitor. For power users who are prepared to pay a premium for the privilege, screens as large as 19 or even 22 inches are available.

Because the ST is not designed to use any screen larger than the normal 640 by 400 pixels, these screens need a special printed circuit board to increase the resolution of the ST. The way these boards work mean they need the internal expansion bus on a Mega ST.

These monitors are popular among professional users who need large monitors for very specialist applications. At over £1500,









including the video board, they are far beyond the reach of the ordinary user.

With the exception of the very expensive multi-scan monitor, it is not reasonable to expect to be able to purchase a monitor which will run in all three modes. So before buying a monitor, consider its use carefully.

For the user who plays games most of the time, or wants to write an occasional letter to friends on the word processor, then the colour option is best.

For the more serious and exacting applications, however, such as desktop publishing and MIDI, a mono monitor is definitely the one to buy. It will be money well spent.

Product: Cubeat
Supplier: Evenlode Soundworks
Telephone: 0993 898484
Price: £285.00
Configuration: 1 Mb RAM, mono only

teinberg's Pro-24 set the musical world on fire over four years ago and music on the ST hasn't looked back since. But times change and as new programs arrived, Pro-24 began to look decidedly long in the tooth. Even a couple of updates couldn't hide its wrinkles. And then came Cubase – Steinberg's great new sequencer at a mega price of £550!

Cubeat is essentially a pared-down version of Cubase and comes in at the original price of the old Pro-24. As well as all of that lolly you'll need at least 1 Meg of RAM and also a mono monitor to use Cubeat effectively. Like most up-market music programs, Cubeat's protection comes in the form of a dongle.

#### **SWAP SHOP**

In keeping with Steinberg's new crop of programs, Cubeat runs under MROS, which is a switcher program allowing up to ten programs to share and swap data. You could, for example, play back your sequenced material while an automation program was controlling your mixer. It also enables you to run non-MROS programs.

You do need at least 2 Meg of RAM to be able to use two programs, but a switcher program is also supplied which lets you switch between programs on a 1040, although you may still find memory constraints are a problem if you only have 1 Meg.

There is also Satellite, a desk accessory, which works with Steinberg's Synthworks editors to allow you to send banks of MIDI data to a synth. A range of Macro Editor functions for controlling parameters on some popular synths is yet another feature.

#### **POWER PROGRAM**

The first thing you'll notice upon booting Cubeat is the Mac-like font – very fetching. Even though Cubeat is the baby, it's an incredibly powerful program. There simply isn't room in a review to list all the useful features, so the best thing to do is offer a flavour of the program, and highlight the main functions and methods of operation which are included in Cubeat.

The program is based on windows. The main window, Arrange, lists the tracks on the left, and the arrangement on the right. There are two main edit windows, Key and Grid, which display the music in different formats for different types of editing. Also present is a third editor called Logical Edit which lets you apply mathematical functions to the music.

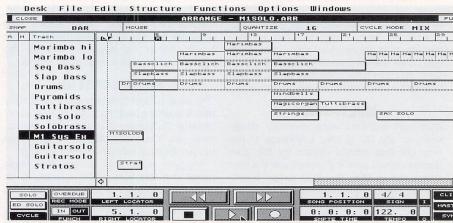
Cubeat's musical hierarchy works like this: music is recorded in much the same way as with any other sequencer, you select a track, press Record and start playing. The result, now known as a Part, appears as a rectangle in the right of the Arrange window (known as the Part Display) with a name which defaults to the track number.

The nice thing about Parts is that they have an identity of their own. They can be dragged around the Part Display window, lengthened, shortened, copied. They can be split, joined and so on and they can also be put into Groups and treated as a single entity. You can have up to 64 tracks in an Arrange window and up to 16 Arrange windows in the

## POWER BEAT

## Cubeat, son of Cubase, captivates lan Waugh with a powerful performance





The main screen, the Arrange window, showing how music Parts can be arranged into a song

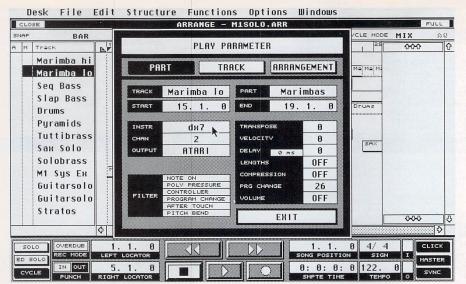
program – up to seven of these windows can be open at the same time.

#### SING ALONG

A Song is a collection of all the Arrangements – save a Song and you save everything. The traditional method of constructing songs in a sequencer is linear recording – based on the method used with analogue tape multi-track recorders. The process involves recording each music part on a separate track, from beginning to end. They could be recorded a section at a time.

Many modern sequencers adopt a pattern-based approach which lets you record sections of music, or patterns, and then link them together in a song list. You can't do that with an analogue recorder. Although the linear method is probably easiest to start with, many musicians now prefer the greater flexibility of pattern-based sequencing.

Cubeat offers the best of both worlds. Parts can be recorded and left in their own tracks (the linear method) or you can play Dr Frankenstein and assemble your latest creation from a multitude of Parts scattered



The Play Parameter menu of a Part showing the data which can be altered including transpose, velocity, delay and compression. You don't have to worry about losing your data though

Book File Edit Structure Functions Ontions Wind

Desk File	Edit Structure	e Functions	Options	Windows		
KEEP CANCEL	Grid - Mar	imbas, 15.	1. 0,	19. 1. 0	UNITED STREET	FULL
⊡ Goto □ All	■Function ■Mask SN			NO PP CT A O	NA TON	In
:	Ins. Note Qu	IANT 16 15.	1. 8 0	PC AT PB	111111	*
START-POS	LENGTH VAL1 VAL2 V	ALS STATUS 5	ż	3 4	16 2	
15. 1. 0	40 F5 116	8 Note				<u> </u>
15. 1. 0	40 A5 114	0 Note				Maria de la companya della companya
15. 1. 8	56 F4 112	8 Note				
15. 1. 0	64 84 188	8 Note				
15. 1.152	56 A5 115	8 Note				
15. 1.152		0 Note				
15. 1.152	56 R4 184	0 Note				
15. 1.152	40 F5 117	0 Note				- 3
			+			
15. 2. 96	48 D5 111	0 Note				
15. 2. 96	48 F5 116	8 Note				
15. 2. 96	56 D4 115	0 Note				
15. 2. 96	56 F4 115	0 Note				
15. 4. 96	32 F5 112	0 Note				
15. 4. 96	32 D4 106	0 Note				1
		4		***************************************		♦
SOLO OVERDUE	1. 1. 8		7771	1. 1. 8	4/4	CLICK 1
REC MOD	1. 1. 0			SONG POSITION	SIGN I	
ED SOLO	5. 1. 8			0: 0: 0: 0	122. B	MASTER
CYCLE PUNCH	RIGHT LOCATOR			SMPTE TIME	TEMPO O	SYNC
- CNCH	MIGHT COCHTOR SEL		In January Inch	SHELL TIME	TENIEO SO ST	R

The Grid Edit window in which notes are shown as bars on the right, with their parameters listed on the left. Only one Track or Part can be handled at a time

right around the whole screen – it's brilliant!

Because the Parts are named and the process is so visual, it's easy to see how everything fits together. To give an example, you could record a bass riff, drag-copy the Part, transpose it a few times and stick the results end to end to create a bass line.

A single accompanying chord riff could be treated the same way. Record a melody to fit over the bass line. Copy it, transpose it down a fifth and play it on a different instrument for instant harmony. To include more punch, add negative delay to the middle section of the bass line so it plays just before the beat.

You can overlap Parts on the same track, creating instant rounds. Overlaps can also be used to create upbeats – or anacruses if you're classically-minded!

You may think that dragging Parts around will cause time offsets, hanging notes and so on. A Snap value lets you position Parts with Bar, 1/4, 1/8 and 1/16 note accuracy. You can turn this off and insert delays manually to create MIDI echoes.

Cubeat also tries to handle MIDI data within Parts to prevent hanging notes or other unwanted events from occurring in your composition. Let's take a tour around the various sections of the program. The Track List in the Arrange window doesn't clutter the

screen and it's very simple to use. If you want a new track you just click in the Track List and a new one appears. Unwanted tracks can be deleted just as easily.

You can start recording at any point by dragging the Left Locator in the Part Display to the required position. The Right Locator marks the end of the recording. Although most sequencers have Locators or Counters, the highly visual Part Display makes it very easy to see where sections start and finish.

#### ON THE MENU

The MIDI Definition menu offers a range of functions including the ability to filter out unwanted data during recording and from the MIDI Thru function. You can also map one controller onto another. For example, you could use a modulation wheel to create volume changes.

Cubeat can record System Exclusive data so it can store voice data along with the music. This is far more convenient than storing voices on separate editor disks – you've much less chance of separating the two! It's easy to move Parts from one Arrange window to another. Parts can be lengthened and cut. A cut Part can also be restored to its original size. The Part Parameter box contains settings such as transpose, velocity,

compression and volume all of which can be altered. The original data however, is never lost. It's all incredibly flexible.

Groups are another powerful editing feature. Individual Parts can be selected and tagged as a Group. The same Part can even be a member of several different Groups. Groups can be arranged in the Part Display on special Group Tracks, just like Parts. It may sound intricate but it's easy in practice. You can use Groups to create separate arrangements of verses, choruses and so on, all from the same collection of Parts. I suspect many users won't bother with Groups at all – the flexibility of the Part Display will be enough.

#### **MASTER OF THE TRACKS**

The Master Track is a 65th track which holds tempo and time signature changes in a list. It doesn't support a time base of 2 (such as 2/2) which is odd, although unlikely to cause any sleepless nights. You can record tempo changes into a Track in real time by altering the tempo in the Transport area. This automatically inserts the changes in the Master Track.

The Synchronisation menu is for interfacing Cubeat to an external timing source using MIDI clock or SMPTE (you need the necessary hardware for this). There's also an interesting function called HumanSync, which takes the tempo from the speed at which you play the keyboard. I managed to lock up the program a couple of times when using this. It probably has its uses but I prefer good old computer reliability and programmed tempo changes!

The Editors are probably the most complex of Cubeat's various functions. They have many features, yet they are still relatively easy to use, thanks to informative graphic displays. The Key Editor is like a piano roll display with a keyboard on the left. Notes are shown as bars on a grid on the right. Events other than notes (controller data and so on) are shown below the grid. It will show as many Parts as you want to select.

#### TAKE NOTE

Notes can be edited by clicking and dragging, and groups of notes can be selected for editing by rubberbanding. Edit facilities include cut, copy and paste. You can 'kick' notes backwards or forwards onto a Snap value and you can draw new notes onto the grid. You can reverse the order of events which will, effectively, play the piece backwards – it's fascinating.

The keyboard shows which notes are being played during playback, and reflects any notes which are pressed on your MIDI keyboard. A display at the top of the screen shows the chord name of a group of notes which is very useful.

You can enter notes in step-time here too, from a MIDI keyboard. Notes take their duration from the current Quantise value and are spaced according to the Snap setting. You can also alter the pitch and velocity of existing notes via MIDI. It's such an effort messing about with the Snap and Quantise values, I think it would be better to have a list of note durations, which you could click on before inputting a note.

The Controller Display area displays controller information graphically – any controller can be selected from a pop-up menu. You can for example, edit note velocity here, and

Cı

#### **DISCOVERY PACK**

Atari 520 STFM with 1Mb Drive, Mouse,
Owners Manual, First Basic, Neochrome,
ST Tour, STOS, Carrier Command, Space Harrier,
Bomb Jack, Outrun
ONLY 2279-95
Plus FREE! Our new brilliant software starter
pack as follows: Wordprocessor, Word Count,
Mail Merge, Spellchecker, Database, Mono
Monitor Emulator, Spreadsheel, Virus Killer, Your
2nd Atari ST Manual, Eleven Great Games,
Disk full of useful desk accessories, plus five
great programs for small children

#### **DISCOVERY PLUS PACK**

Contains all the items in the Discovery Pack above PLUS!! Vinyl Computer Cover, Mouse Mat, Twin Joystick Extension Lead, 10 Blank Disks, Joystick ONIY £299.95
Includes our FREE starter pack as listed above

#### ATARI 520STE **NEW!! TURBO PACK**

#### PACK A

Atari 520 STE with 1Mb Disk Drive, Mouse, First Basic, Hyper Paint 2, Music Maker 2, STOS Game Creator, Anarchy, Blood Money, Impossible Mis-sion 2, Dragons Breath, Human Killing Machine, Indiana Jones, Outrun, Super Cycle, Joystick ONLY 2369.95 Includes our free Software Starter Pack as listed above

Contains all items in Pack A
PLUS!!
Vinyl Computer Cover, Disk Cleaner, Lockable Disk
Box, 10 Blank Disks, Twin Joystick Extension Lead,
Mouse Mat, Mouse Bracket, Second Joystick
0NLY
2399.5
Includes our free Software Starter Pack as listed above

FREE WITH ALL COMPUTER PACKS UP TO 14 NIGHTS FREE HOTEL ACCOMMODATION FOR 2 PEOPLE

#### ATARI 1040 STE

ATARI 1040STE BUSINESS PACK INCLUDES
ATARI 1040STE, MOUSE, MANUALS
ST WORD – WORDPROCESSOR
ST CALC – SPREADSHEET
ST BASE – DATABASE
ST GRAPH – BUSINESS GRAPHS
FIRST BASIC, S.T.A.C.
HYPER PAINT, PRINCE
MOUSE MAT, 10 BLANK DISKS
VINYL COMPUTER COVER
ONLY £449.95

VINYL	DUST	COV	ERS

	7 M 70 W
Atari 520ST/1040ST	£5.95
Philips CM8833	£6.95
Panasonic KXP1081	£4.95
Panasonic KXP1180	£4.95
Panasonic KXP1124	£4.95
Star LC10	£4.95
Star LC24/10	£4.95
Cltizen 120D	£4.95
Atari SM125/SM124 Monitor	£6.95

FLI	GHT SIMULATORS	
lator 2		£2.

Flight Simulator 2	£24.95
Jet	£24.95
European Scenery Disk	£10.95
Japan Scenery Disk	£10.95
Hawaiian Scenery Disk	£11.95
F19 Stealth Fighter	£20.95

#### LATEST RELEASES

Supremacy	£22.95
Murder	£17.95
Rick Dangerous 2	£17.95
Team Yankee	£22.95
Captive	£17.95
Magic Fly	£17.95
Turrican	£17.95
Immortal	£17 9F
Nightbreed	£17.98

#### **SPECIAL OFFERS**

	Carrier Command .£6.95
Baal£6.95	Never Mind£6.95
Milenium 2.2£6.95	Fusion£6.95

PRINTERS	
anasonic KXP1081	
anasonic KXP1180	
anasonic KXP1124	
tar LC10 (UK)	£159.95
tar LC200 Colour (UK)	£209.95
tar LC24–200 (UK)	£249.95
itizen HQP45	£329.95
itizen 120D	£138.00
All Printer prices include conn	ecting lead

#### MONITORS

PHILIPS CM8833 Colour Monitor
ONLY £249.95 including lead

Atari SM 124	£139.95
DISK DRIVES	
Cumana CSA354 1Mb	£79.95

#### New Mail Centa 1Mb External 3.5" Disk Drive ONLY £69.95

ACCESSORIES	
Mouse Mat	£4.95
Twin Joystick Ext	£5.95
Mouse Bracket	£2.95
Printer Stand (2 piece)	£9.95
Monitor Stand	
Disk Head Cleaner	£2.95
Atari Mouse	
Contriver Mouse	
Forget Me Clock 2	£22.95

Х	-RAM MEMORY	EXPANSIONS	7	
Extra .5MI	STFM		£74.95	
	STE			
Extra 1.5N	1b STE	£	149.95	
Sonv 3.5" D	isks Box 10		£9.95	
3M 3 5" Dis	ks Roy 10		£8 95	

PRE CHRISTMAS SPECIAL 3.5" DS/DD Disks + Labels 50 for only £24.95 100 for only £39.95 FULLY GUARANTEED

#### £11.45 £12.95 ...£6.95 ...£9.95 .£11.95 .£20.95 .£10.95 .£10.95 Professional Professional Plus. Cheetah 125+...... Cheetah Mach 1... Quickjoy Jetfighter... Quickjoy Megaboard Crystal Red or Green Crystal Turbo Red/Green. Cruiser Clear Autofire ..... Cruiser Multicoloured £9.95

SERIOUS SOFTWAR	E
First Word Plus V3	
Wordwriter	£36.95
Degas Elite	£17.95
STÖS	£20.95
STOS Compiler	£13.95
STOS Maestro	£16.95
STOS Maestro Flus	£10.95
Mavis Beacon Typing Tutor	£22.95
Replay Professional	£99.95
Quartet Deluxe Paint	£39.95
Neo Desk 3	£29.95
Data Manager Professional	£32.95
TImeworks DTP	
Lets Make Series: Greetings Cards	s£8.95 ners£8.95
Calendars and	Stationery £8.95
Art Library 1 or 2 (State)	£8.95

EDUCATIONAL SOFTWARE	
Fun School 3 under 5 Years	
Fun School 3 5-7 Years	
Fun School 3 over 7 Years	
Magic Maths 4-8 Years	£17.95
Maths Mania 8-12 Years	£17.95
Three Bears 5-10 Years	£17.95
Better Spelling (8-14)	£17.95
Better Maths (12-16)	£17.95
Learn to Read with Professor 4-9 Years	£20.95
Professor Looks at Words (4-9)	£13.95
Lets Spell at Home (4-12)	
Lets Spell at Shops (4-12)	



#### **MAIL-CENTA**

17 Campbell Street, Belper, Derby DE5 1AP. Tel: 0773 826830

All prices include VAT and Delivery unless stated otherwise. However, for orders under £10 please add a 50p handling charge. Personal callers welcome at our retail shop but please bring this advert as prices may vary. Closed Wednesdays.

All items despatched same day whenever possible. Cheques may require a seven days clearance.

Proprietor: Martin Bridges



## present

The MULTIFACE ST - the true MULTIpurpose interFACE comprising of 3 major parts: **BACK-UP Facilities DISK ORGANIZER (all in ROM) MULTI - TOOLKIT** 

- 1) FREEZE action by MAGIC buttor 2) SAVE to drives A/B or to RAM 3) Save PROGRAM or SCREEN 4) Saving is FULLY AUTOMATIC 5) MULTIPLE SAVING possible

- 6) FORMAT disks up to 410/820K 7) Powerful, fast COMPRESSING

1) INSPECT/ALTER memory (POKE infinite lives, etc.)
2) INSPECT/ALTER registers 3) HEX / DEC / ASCII display 4) FIND / REPLACE a string

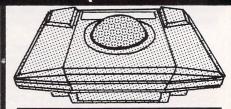
5) FILL or SAVE / LOAD or PRINT a block of memory

- Non-GEM, fast, easy, user-friendly file/folder copying/deleting/renaming all using RAM
   Far LESS (if any) DISK SWAPPING on single drives during copying all copied via RAM
   TAGGING of files/folders (incl. wild cards)

for mass copying or mass deleting
4) COMPACTING of disks for faster loading

All this and much more! at a KRAZY mail order HALF-PRICE: 159.95 \$29.95 for a LIMITED PERIOD only!

MULTIFACE has ALL its tricks in a 64K ROM - no need to load any other software: MULTIFACE is always there and ready MULTIFACE is menu-driven with one-touch commands and on-screen instructions, fully AUTOMATIC - so EASY to USE Pressing the MAGIC BUTTON will FREEZE a program enabling you to SAVE or to use the MULTI-TOOLKIT to study/modify it The frozen (or saved & re-loaded) program continues from where stopped - save as you progress to avoid playing from the start. MULTIFACE a) compresses b) formats more effectively c) can save onto several disks to back-up programs of ANY length MULTI-TOOLKIT lets you inspect and change (in hex/dec/ASCII) simply everything - POKE infinite lives, customize programs, etc. All in all, the MULTIFACE ST can be used - and is SO USEFUL - in so many ways, that it is the ESSENTIAL ST COMPANION.
MULTIFACE must not be used to copy, reproduce or infringe in any way any copyright material without the clear permission of the copyright owner
ROMANTIC ROBOT neither condones nor authorises the use of the MULTIFACE ST for the reproduction of copyright material - to do so is ILLEGAL However, to prevent any piracy, the MULTIFACE ST MUST be attached to the cartridge port to run the programs it saved



#### ST/Amiga TRACKBALL

INSTANTLY USABLE - plugs into mouse port - 100% compatible.

NO EXTRA software/hardware. Takes just 1/3 of mouse space.

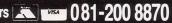
FAR more ACCURATE & SPEEDY Far FINER CONTROL makes it a lot EASIER & FASTER to point.

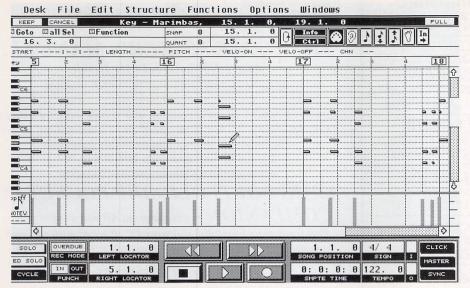
*	A	N	ID	EA	LP	RE	SEN	T -	AN	IDEA	IL D	ISCO	UNT	
								A STATE OF THE PARTY OF THE PAR	BALAS		1 -	IOVV	WILL I	

Multiface is NOT yet compatible with STE

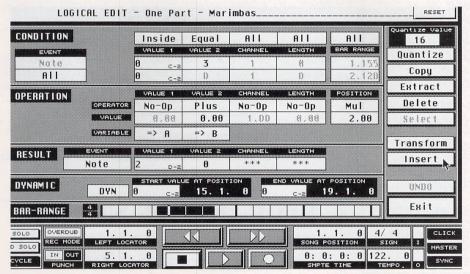
l order a MULTIFACE 1259.95 229.95 Trakball ST Trakball Amiga	29.95 £27.95	plus P&P per item: UK £1	Europe £2 Overseas £3
I enclose a cheque/PO/cash for £ or debit my Access/Visa No.			Card Exp
Name/address			

The above reduced prices apply strictly only to MAIL ORDERS received by 15.1.1991





The Key Edit window from Cubeat which shows notes as bars. Velocity information is shown as vertical bars underneath the notes. Other information is shown below the grid



The Logical Edit menu which allows you to perform complex mathematical and logical edit processes on music data. It's possible to scale data values, create fade-ins or duplicate note events

create velocity changes by drawing fade-ins and outs onto the display. The Grid Editor is similar in some ways to the Key Editor. It shows events as bars on a grid on the right, and events in a list on the left. It can however, only handle one Track or Part at a time. There is a display filter to hide events you don't want to edit, and events can be created, notes inserted and so on.

Logical Edit is heavy. It lets you make changes to your data, based on mathematical functions. Esoteric, certainly, but well worth exploring. For example, it lets you change one type of event into another. You can scale data values, create fade-ins and outs and duplicate note events (for example, to create a bass drum line which follows a bass guitar pattern).

If you have extra MIDI sockets attached (such as Steinberg's MIDEX) you can direct output to these, effectively increasing the number of individual MIDI channels you can access. You can also direct output to MROS to share it with another program.

Lots of little things help make the program nice to work with. Just about everything which can have a name can be named. You can assign an instrument name to each MIDI channel so that each time that channel is

selected the name will appear. You can even select the instrument for a new Part by name click and hold on the Instrument column and up pops a list of the instruments that you have defined.

The windows have Toolbox menus which pop up when you hold down the right mouse button. The tools are then used with the left one. It's all easy, quick and simple. In fact most of the pop-up menus work in this way – you hold to get the menu, then make your selection and release.

#### MULTI-TASKING

Cubeat is multi-tasking, too. You can Edit, Quantise and juggle your Parts around (not as painful as it sounds!) while the music is playing – you can even save the music! Sometimes the current notes may stop playing, but the timing is never affected.

Cubeat has extensive Undo functions. Particularly useful is the ability to Undo a Quantise all the way back to the recorded resolution. There are several Quantise options.

Over Quantise detects if you constantly play behind or ahead of the beat, and retains the 'human feel'. Iterative Quantise can produce a swing feel and has strength and

note exclusion options. Other goodies include a command to make the notes legato, adjust the length and delete double notes.

Cubeat supports several file types including Songs, Arrangements and Parts. It can load Pro-24 files and it handles MIDI format files. In the Preferences menu, Autosave can be set to save your music automatically every few minutes. You can also decide whether the left or right mouse button will increase values. Different programs use different buttons and few let the user decide.

There's also a Mouse Speeder function which should be compulsory on all ST programs. Although you can use the mouse for most functions, some operations also require use of the keyboard. I feel that if you have a mouse you shouldn't need to touch the keyboard (except for entering names), but then most top-range sequencers have so many functions, they have to drag in the keyboard for extra control. Of course, most functions have alternate keyboard controls too.

#### IN PRINT

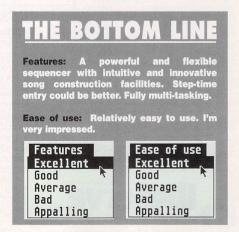
The manual begins well by taking you through your first recording (although it neglects to mention that you must first set the length of the Part you wish to record, using the Locators). It also refers to functions which don't exist, for example, Analytic and Match Quantise, escapees from Cubase. It is however, an excellent manual and explains all the program's functions very well.

Evenlode continue their policy of charging users a registration fee for additional support. If you want telephone and fax support, replacement programs, updated software and a subscription to Newsbase – the Steinberg newsletter – it'll cost you another £23. It's worthwhile registering, although I think technical support for programs of this complexity and price should be free. In fact, not all music software houses charge for this service.

#### AND FINALLY...

Cubase, the sire, has many more bells and whistles than Cubeat. However, the major difference between the two is Cubase's scorewriting facilities and an Interactive Phrase Generator (a composition facility). The lack of a score edit facility in Cubeat is a disappointment, although not a surprise. This now seems to be the reserve of £500 plus programs such as Cubase and Notator.

Cubeat fares extremely well in a comparison with its father, especially on a price-perfeature basis. You'll be impressed by its power, flexibility and ease of use. If you can't afford a Notator or a Cubase it must rank as a most desirable piece of music software.



## **Weserve** of Hampshire Best for service

#### Star

LC10 ribbon £4.60 inc. Black ribbon £6.32 inc. Colour ribbon £12.65 inc.



LC10 Mono £149.00 (£129.56 + VAT) LC200 Colour

£209.00 (£181.74 + VAT) (with Cable & Paper)

#### Panasonic KXP1081

with cable & paper £142.00 (£123.48 + VAT)

#### Star LC2410

(24 pin) with cable & paper £225.00 (£195.65 + VAT)

#### Panasonic KXP1180

with cable & paper £152.00 (£132.17+ VAT)

#### Star LC24 200

with cable and paper £249.00 (£216.52 + VAT)

#### Panasonic KXP1124

(24 Pin) with cable & paper £245.00 (£213.04 + VAT)

#### Star XB2410

with cable and paper £429.00 (£373.04 + VAT)

#### 520 STFM + Power

(20 games pack) £298.00 inc VAT

#### Citizen 120D+

with cable and paper £125.00 (£108.70 + VAT)

#### 520 STFM + Turbo

(8 games pack) £295.00 inc VAT

#### Swift 24

with cable and paper £279.00 (£242.61 + VAT)

#### LOW ST PRICES

	Inc. VAT
520 STFM Super Pack	.£288.00
520 STFM Discovery Pack.	
520 STE 512k Ram	.£345.00
520 STE + 1M Ram	.£365.00
520 STE + 2M Ram	.£415.00
520 STE + 4M Ram	.£525.00
1040 STF	£429 00

#### Epson LX400

with cable and paper £149.00 (£129.57 + VAT)

#### Atari SM1224

£239.00 (£207.83 + VAT)

#### ST SIMMS

OI OIIVIIVIO	
	Inc. VAT
0.5 Simm upgrade Ram	£35.00
1-2M Simm upgrade Ram	£69.00
0.5-2M Simm upgrade Ram	39.00
0.5.4M Simm ungrado Dam	2105 00

#### Philips CM8833

£229.00 (£199.31 + VAT)

#### Atari SM124 with ST cable

£99.00 (£86.07 + VAT) Cumana CSA.354

**External 1M Drive** £69.00 (£60.00 + VAT)

#### Accessories

	Inc. VAT
Joystick/Mouse extension	£4.60
4 Player Adaptor	£5.75
ST Dust Covers	£4.60
ST to ST Serial lead	£10.95
ST Mono Monitor lead	£7.80
ST RGB Monitor lead	£9.95
STE Stereo RGB Monitor lead	£10.95
ST Monitor plug to free end	£9.50
ST Printer lead	£6.90
Mouse Pocket	£2.95
Mouse Mat (thick soft type)	£4.95
Atari Mouse	£25.00
Full range of Joysticks£4.9	9 to £13.95

#### 1M Drive

Internal 1m drive £57.50 (£50.00 + VAT)

Source Book & Tutorial	£4.60
Flight Simulator II	£29.95
1st Word Plus	
Xenon 2	£19.50
P.C. Ditto	£62.00
Superbase Personal	£45.00
Personal Finance Manager	£24.95
Timeworks DTP by GST	£69.00
Fun School 2 (all versions).	£15.50
Hard Driving	£15.95
Chase HQ	£14.50
Flaviduses I C10 Calaus	000 00

#### Software etc.

Xenon 2	£19.50
P.C. Ditto	£62.00
Superbase Personal	
Personal Finance Manager	
Timeworks DTP by GST	£69.00
Fun School 2 (all versions).	£15.50
Hard Driving	£15.95
Chase HQ	£14.50
Flexidump LC10 Colour	£28.00

#### Phone for ST Software catalogue. Many titles inc. Educational.

#### Printer/Monitor Ass.

	IIIC. VAI
Tilt/Swivel Monitor Stand	£15.95
Star LC10 Sheet Feeder	£59.00
Star LC2410 Sheet Feeder	£59.00
Citizen 120D Sheet Feeder	£69.00
SLM804 Drum Unit	.£169.00
SLM804 Toner Pack	£39.00
Copy Holder Angle Poise	£17.95
Mono/Colour Switch box	£22.00

Phone for full range 100+ original & compatible ribbons – Bulk discounts

#### DISKETTES

(lifetime warranty)

(100% certified error free

Inc. VAT
10 3.5" 135tpi DS/DD£6.44
50 3.5" 135tpi DS/DD£30.25
100 3.5" 135tpi DS/DD£59.70
50 Disk box hinge and lock£5.95
100 Disk box hinge and lock £6.95

#### Phone for our 36 page catalogue

EDUCATIONAL AND GOVERNMENT ORDERS WELCOME

All products have a 30 day money back & 12 month warranty. Prices subject to variation without prior notification. We are closed Saturday afternoons. Postage 92p (80p + VAT) Securicor £6.90 (£6.00 + VAT)



#### Larger items delivered

by Securicor

VISA

ST/U Dept 40-42 West Street, Portchester, Hants. PO16 9UW Tel: 0705 325354



#### TWO TOP ATARI COMPUTER **BOOKS BY POST!**

#### THE GAME MAKER'S MANUAL: Atari ST and STOS Basic

by Stephen Hill, author of the STOS manual. "A book no STOS user should be without" - Atari ST User. Covers all aspects of game creation with tested, working listings. Includes shoot-'em-ups, high-speed sprites, animation, sound, 3D, adventure games and assembly language. It's got the lot! and costs ONLY £12.95!

#### ATARI PORTFOLIO/DIP POCKET PC

COMPANION - Peter Baron. All you need to get the best from your Portfolio and your PC. Packed with tips and includes FREE software offer from DIP, for just £12.95.

#### EASY TO ORDER!

Please add £1.50 p+p. For two or more books p+p is free. Orders & cheques (payable to John Wiley & Sons Ltd) to: Susan Barry, John Wiley & Sons Ltd, Baffins Lane, Chichester PO19 1UD. CREDIT CARD ORDERS: Phone 0243 829121 or Fax 0243 820250

#### **NEW AUTHORS READ ON!**

Sigma Press is the largest independent UK computer book publisher. We publish at ALL LEVELS and for ALL TYPES OF COMPUTER. If you have a flair for writing and you know your subject, we want to hear from you. Contact: Graham Beech - Commissioning Editor,

Sigma Press, 1 South Oak Lane, Wilmslow, Cheshire SK9 6AR Phone: 0625 531035. Fax: 0625 536800

#### LIVE IN THE NORTH?

#### Why not visit Leeds' no.1 **Atari ST Dealer?**

We specialise in DTP, MIDI, GRAPHICS, and BUSINESS applications and always have in stock a great choice of serious software plus, of course, the full range of Atari ST computers and related hardware. All on demo too so you can TRY BEFORE YOU BUY. And if you want competitive prices, we've got them too ... eg

520 Explorer pack	£279
520 Power pack	£359
1040 STE	
Mega 2	£799
Mega 4	
Stacy portables	call
Stacy portables Portfolio	£235
SM124 (when bought with 1040)	
Spectre GCR	£399

All prices subject to change without notice MOST SOFTWARE TITLES AT 20% OFF RRP

Call for advice or for prices on any item not listed above. If it exists, we can probably get it. If we can't, we'll put you in touch with a company which can!

Mail order? Buy with confidence. We test before despatch so no

more DOA's!

PLEASE NOTE: We will soon be moving to bigger and better premises, so please phone before coming to visit

MIDITECH, THE COLOSSEUM, COOKRIDGE STREET, LEEDS LS2 3AW 0532 446520



Access & Visa Welcome

VISA

#### ONE OF THE FEW ST PD LIBRARIES RUNNING TOTALLY ON THE STE

KS 38 - DRAGONS LAIR 1 meg demo - brilliant KS 39 - CALIFORNIA RAISINS 1 meg demo brilliant

WAR OF THE WORLDS DEMO - Sound Demo

KS 43 - ROBOT COP DEMO - Brilliant KS 44 - WORD 400 V.3 Desk Accessory word processor KS 45 - GHETTO BLASTER Load Degas Pic and a

Sound sample to create your own demos
MICROEMAGS - Great program
THE COPY DISK, full of copiers
MICROGNVEMAGS, Great PD text editor

RESOURCE FILE EDITOR, examine boot

DATA HANDLER II, very good Gem database WG DATE, Really good and simple database GEMINI, Incredible version of Neodesk a must

for any collection. English Docs
BOING STE, Brilliant new STE demo stereo

FANTASIA, as above stereo sound STE only 3D SCROLLER, demo stereo sound STE only.
THE MOVIE ST demo stereo sound + graphics

ACID HOUSE DEMO, a great graphics demo STE FIX, Medium res fix etc STE JUNGLE DEMO, a great graphics demo ELVIRA DEMO, Demo of the game

AMADEUS DEMO, 2 disks , brilliant Falco KS 64 - EMPIRE BUILDER, Brilliant PD game all about

KADSOFT MEGA ACCESSORIES 1

A second collection of utilities ELECTRONIC JIGSAW PUZZLER

KS 69 - BERMUDA II, Great sailing PD game
KS 70 - GALACTIC RANGER, Really good Shoot 'em

KS 71 - ALLMEMY Jnr, Brilliant 16 voice sequencer

ALL DISKS £2.30 INC

2 FREE WITH EVERY 10

KS 68 - HOME ACCOUNTS, Personal accounts

A huge collection of utilities

KS 66 - KADSOFT MEGA ACCESSORIES 2

KS 40 - UNITERM One of the best contains programmed Public Domain KS 41 - KYLIE DEMO - Really great disc

MOUSE POINTER designer

KS 50 -

- THE STE DEMO
- THE UNION DEMO!!! Not STE

- HACK Superb Graphic Adventure CHESS & American Football HANOI S Sensori Triple Yahtzee
- COLOSSAL CAVE Classic Text Adventure
  WIZARDS TOWER Text & Graphic Adventure
  MONOPOLY Backgammon, Laser Chess
  FLOYD THE DROID Very Good Shoot 'em up
- KS8-
- UNDER BERKWOOD Massive Graphics
- NEOCHROME + Slides Brilliant Art Package

- NEOCHROME + Slides Smilliant Art Package
   ANI ST Brilliant Animation Package with Aegis
   Animator worth £80. Very easy to use.
   QUICKDRAW Pictionary by another name
   PALLETTE MASTER One of the Best Art
- KS 15 16 VOICE SEQUENCER Brill Full Midi Prog. As
- good as Any commercial Prog BAT DANCE Sample Demo WADDINGTON 32 Track Sequencer. Brilliant 32
- KS 18 ST WRITER ELITE The word processor for the
- KS 19 D-B MASTER Very simple and very good
- KS 20 VIRUS KILLER 'Doctoring The House' Brilliant KS 21 MAIL MERGE for ST Writer. Loads of features. KS 22 DESK PACK Clock, Diary, Phone Book, Back

- KS 23 AUTOROUTE Demo
  KS 24 TINY ART UTILITIES
  KS 25 SHEET 2 Spreadsheet Best on ST
- YOUR SECOND MANUAL FOR THE ST. A
- book on a Disk
  KS 27 QUICK DISK UTILITIES, Q find, Q info etc
- KS 28 EASY TEXT DTP prog. very easy with Docs KS 29 STOS UPDATE to 2.5 STE compatible KS 30 KID Graph, Grid. Music. Notes & piano KS 31 KID Sketch Potato. ABC Story

- KS 32 KID Song KS 33 KID Publisher KS 34 KID Rebus, Writer

- KS 35 'C' COMPILER by M Johnson very
- KS 36 SHEET ONE original spreadsheet but single
- KS 37 STOCKS stocks and shares trading game KS 37 UTILITIES DISK Rat Trap, new word etc

#### PD DISK COLLECTIONS

5 DISK STARTER SET - Inc Word Processor, D.Base, Virus Killer WAS £11.50 NOW £10.00

7 DISK EQUINOX SOUNDTRACKER SET - Loads of modules for the Equinox S/Tracker includes Sound Tracker

WAS £16.10 NOW £14.00

4 DISK ART PACKAGE – Includes Neochrome, Master Painter, Palette Master and Palart

WAS £9.20 NOW £7.00

10 DISK CLIP ART SET - Loads of Clip Art for your DTP WAS £23.00 NOW £18.00

5 DISK KIDS PACK - All the famous "Kids" programs from the USA WAS £11.50 NOW £9.00

#### **ACCESSORIES**

#### DISK INC LABELS

10	25	50	100	200
£6.80	£13.80	£26.00	£50.00	£91.00

#### **DISKS AND BOXES**

	10	25	50	100	200
80 CAP	£12.25	£18.00	£32.50	£53.50	£95.00
100 CAP	£13.80	£18.75	£33.92	£54.80	£97.00

ВС	XES
80 CAP	100 CAP
£7.00	£8.25

DUST COVERS - ST	£4.50	
MOUSE MATS	£3.50	
MOUSE/JSTICK EXT	£4.50	
ALL PRICES INC P&P VAT		
ALL PRICES INC PAP VAI		

Please send cheques - Postal Orders to:-

AD-SOFT

2 EBOR PADDOCK, CALNE, WILTS, SN11 0JY EL: 0249 817174



OPEN 7 DAYS 9.30am - 8pm Phone or write for free catalogue VISA

COMPUTER SEQUENCE ARRANGERS

GET YOUR COMPUTER & MUSIC **EQUIPMENT ALL UNDER ONE ROOF!** 

#### **COMPUTER SEQUENCE SONG FILES:**

- ★ Mind blowing Music & Sequences
- ★ Standard Midi File & Pro24
- ★ Easily modified by you
- ★ Used by top Pro-Musicians
- ★ Rock & Classics such as:

BAD THRILLER RIDE ON TIME **NIGHT BIRDS** 

**TOCCATA & FUGUE** 

**NEW WORLD SYMPHONY** 

Michael Jackson Michael Jackson Black Box Shakatak J. S. Bach

Dvorak

"Very high standard" ... Sound on Sound £19.95 per disk of 4

#### **COMPUTERS - KEYBOARDS & INSTRUMENTS:**

Atari - Acorn - Amstrad - Yamaha - Casio - Roland - Korg - Also Saxophones & all other wind instruments

COMPUTERS & KEYBOARDS
T TO YOU ANYWHERE IN THE UK!

0705 - 736820

**ORDER BY 'PHONE WITH VISA & ACCESS** 

## 60% OFF!

MIDI EXPANDER SPECIAL OFFER 100 SOUNDS THROUGH MIDI FOR YOUR ST!

BECAUSE OF A SPECIAL BULK PURCHASE WE CAN OFFER THE AMAZING CASIO CSM-1 AT THE

INCREDIBLY LOW PRICE OF JUST

(WAS £149) 📥 📞 An ideal companion to any Midi software or keyboard, the Casio

CSM-1 features:

- ★ 100 preset sampled sounds including sound effects and percussion
- ★ Up to four sounds at once
- ★ 20 automatic rhythms
- ★ Stereo output
- ★ Midi in, out, thru
- ★ Battery or mains operated optional ADSE mains adaptor at £8.95

RING OUR MAIL ORDER HOTLINE ON 081-598 9506 OR FILL OUT THE COUPON BELOW AND SEND TODAY!!



PLEASE SEND ME\_ CSM-1 SOUND MODULE(S) @ £59 + £6 P&P. (IF MAINS ADAPTOR REQUIRED PLEASE ADD £8.95)

PLEASE DEBIT MY ACCESS/VISA ACCOUNT

MUSIC VILLAGE 10 High Rd, Chadwell Heath, ADDRESS Nr. Romford Essex RM6 6PR

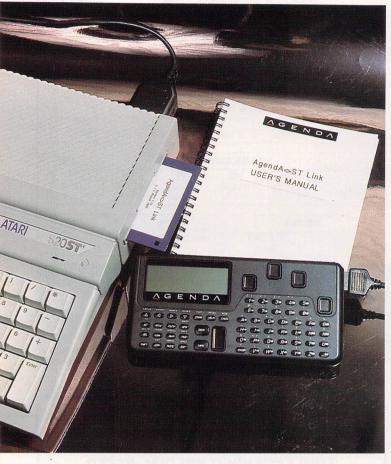
081-598 9506

NAME

SIGNED







#### Just take a look at these features:

- Built-in rechargeable batteries with charger/mail adaptor (economical)
- Free-form database (flexible)
- Auto-save of all information (safe and simple)
- Real-time search (fast)
- Comprehensive a z keyboard and the innovative Microwriting keypad for rapid text entry. (Amazing!)

#### AgendA Atari ST Comms Pack

Convinced? You will be when you discover what our special reader offer comprises:

Buy an AgendA for only £195.50 inc VAT plus £3.50 for postage) and get the Atari ST CommsPack worth £40 and executive leather case worth £25 free of charge. That means that you save an incredible £65!

RRP £260.50 **SAVE** Our Price £195.50 **£65** 

#### AGENDA

## - it's the smartest way to organise your life.

Winner of the 1990 Design Award, AgendA is the pocket computer by which all others are judged, It's easy to use, stylish and powerful – but don't take our word for it:

"... unrivalled by anything else on the market, now or for the foreseeable future, as a pocket word processor."

**COMPUTER SHOPPER** 

"...a practical and well designed machine. Its built-in software is excellent"

**NEW SCIENTIST** 

It's a phone and address book, daily action list, note pad, information filing system, calculator, alarm clock and pocket word processor – and small enough to fit into an inside pocket or handbag.

But best of all, it can be connected to your ST. With the Atari ST Communications Pack you can easily pass files between your ST and AgendA. You can back up into your ST and restore into your AgendA, and search and review the AgendA files held on disk. Security, convenience and versatility. What are you waiting for?

ORDER	<b>FORM</b>	Please send the following to n
	Qty £	Qty £
2k AgendA		Spreadsheet card£35
4k AgendA		Atari ST Comms Pack and cable£40 FRE
2k battery-backed Plug-in RAM		PC Comms Pack and cable£79
'arallel printer cable		AgendA Basic Compiler£25
English/German traveller card		Executive Hide Leather Wallet/Case£25 FRE
Inglish/French traveller card Inglish/Spanish traveller card		Plus £3.50 For postage and package
Finance & Maths card		TOTAL £
Access/Mas	rocheque made payab	le to Interactive PublicationsLtd Expiry Date  Claycard/Visa/Connect
Name		Signed
Address		
		Post Code
Daytime telephone no	umber in case of que	ries

Send to: Interactive Publications Ltd, Europa House, Adlington Park, Adlington, Macclesfield SK10 4NP And now, prepare yourself for a publishing first,

## ASPECTS

as Atari ST User brings you five special pages

## OFTE

devoted to your very own favourite ST subjects.

## ATARIST

There's something for everyone - every month.

#### MIDI AND MUSIC

**PAGE 139** 

Crash courses at music school for MIDI lovers. Ian Waugh also receives a lead from Hitched Pitch Fix

#### COMMUNICATIONS

**PAGE 141** 

Fielding Mellish investigates Wizops and Sysops. He also provides some second-hand news about modems past

#### **EMULATION**

**PAGE 143** 

Günter Minnerup forgets about talking to the animals and talks to the Apple Macs instead

#### **ADVENTURES**

**PAGE 145** 

The Cyclops, in his first outing, wanders through Wonderland and finds himself a Captive of The Immortal

#### **DESKTOP PUBLISHING**

**PAGE 147** 

Charles Michael makes life much smoother for your DTP by using outline fonts, throwing aside the bit-maps

## Ear shattering offers for ST USER readers

Make the most of your ST's superb sound capabilities by connecting Soundblaster's high quality stereo amplifier and speakers.

Using the latest microchip technology, the specially designed amplifier can deliver an ear-shattering five watts of music power, with twin controls provide complete control over volume and balance.

The fifty watt speakers consist of a woofer, a mid-range and a tweeter for the highest possible sound quality. Thumping bass, crisp trebles: You'll hear them all with incredible clarity.

ST Soundblaster comes complete with mains adaptor and full instructions. No alterations to your computer are required – just plug in and switch on to re-discover sound on your ST.

## SOUNDBLASTER

Boost your computer's sound with an ST SQUNDBLASTER



for £99.95

QUARTEI



## Make beautiful music on your ST

Quartet is a stunning sequencing package that will allow you to compose anything from a jingle to a symphony.

Choose your instrument froma range of over 100 musical instruments can be selected for playback in any piece of music. Quartet is equally at home playing Depeche Mode or Debussy. Quartet comes complete with complete instructions, a disk of full of sound samples and full source code to allow you to intergrate your tunes into your own programs.

What's more, Quartet is MIDI compatible, so you can connect a suitable keyboard or synthesiser to enter notes directly.

Quartet comes with full instructions and two disks for £44.95 (RRP £49.95)



## **Master Sound 2**

## Capture any sound you hear and replay it in seconds

It's so easy to use: Simply connect the sampler to your ST or STE, load the software and immediately you have the ability to capture sounds with amazing accuracy.

Connect your compact disc player or personal stereo and digitise sounds to incorporate into your own games and tunes.

The supplied software provides complete control over the sampled sounds: Cut and paste them, flip and fade them and you're still only using a tiny fraction of the sound processing tools available.

Best of all, the comprehensive instructions will soon have you creating your own public domain demo disks complete with IFF picture files.

The perfect sound sampling package for beginners and experts alike.

Master Sound 2 is a complete hardware and software sampling system for only £34.95 (RRP £39.95).

"Is it real or is it Master Sound?"

- Amiga Computing, May 1990

See order form on page 149

#### Go back to school with MIDI, or get your books out and just make notes

If your MIDI system suddenly stops working, what do you do? That is, after the cold wash of panic has crept up your back! Check that MIDI transmission and reception channels on both sides of the computer match, make sure MIDI Thru is still working and no flags or toggles have been switched over inadvertently. If it still doesn't work my first reaction would be to switch everything off, switch it on and try again.

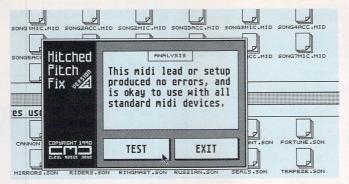
My second would be to check the MIDI leads. Any singer, band or roadie will tell you that nine times out of ten it's the leads which are faulty – that goes for MIDI leads too, especially if you regularly unplug and reconnect them to re-organise your set up.

The situation is further confused by the ST's non-standard MIDI sockets. The essential pins which must be connected in a MIDI cable are the three central pins – 2, 4 and 5 – although pins 1 and 3 may also be connected.

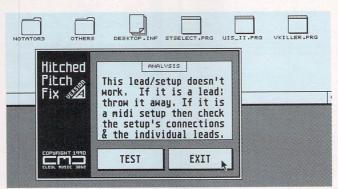
In the ST's MIDI Out socket the two outer pins – 1 and 5 – are wired together. Certain 5-pin DIN cables have pins 1 and 4 and 3 and 5 wired together and although this shouldn't cause any problems with 'normal' MIDI gear, your ST won't like them!

Assuming you've got the right cables but suspect you have a fault, how can you check them? Most cables now have moulded plugs so you can't physically examine the connections, although you could check using a multimeter. But help is at hand:

The software option is **Hitched Pitch Fix** which costs £6.00 from Cleal Music Code. You simply plug each end of a MIDI cable into the ST's MIDI In and Out sockets, click on the Test button and the pro-



Hitched Pitch Fix giving the good news - the screen you want to see



The screen which you see when Hitched Pltch Fix reports a problem

gram tells you if it works. It will for example, report a percentage failure if there is electromagnetic interference.

The instructions say it will also test a MIDI system, but this requires that the Out has a direct connection – somewhere – to the In, which it won't if it's plugged into an instrument.

Hitched Pitch Fix can run as a desk accessory, which makes it immediately accessible should you suspect a fault during a session. Be aware that looping a MIDI cable through the ST while a program is resident may cause HPF to report a faulty cable or lock up the computer.

The hardware tester comes in the shape of **MIDITEST 5** (£14.50 inc VAT plus £1 p & p from MIDITech), a small black box with MIDI sockets on the back. On the top are two sets of six LEDS and a six position rotary dial. You need a PP3 battery to power it.

Five of the LEDs correspond to the five pins, and the sixth is for the casing. When you turn the dial, the LEDs show which pins on the two ends of the cable are connected. If a pin is touching the casing, throw the cable away as it could cause earth loops.

MIDITEST 5 has the advantage that it is portable, and you can flex the cable while it is connected, to check it for intermittent faults.

Most good music shops will stock quality MIDI cables. If you want the best however, check out the new range from DACS. They come in a variety of colours and the connectors feature big arrows to indicate the direction of the MIDI data flow. Light duty cables begin at £9.49 for half a metre, heavy duty cost from £10.99 for two metres.

The whole range of cables comes with a lifetime guarantee. DACS report that Prefab Sprout recently bought 30 for their current UK tour. Can't be bad.

#### CONTACTS

Music Code, 5 Freshfield Close, Furnace Green, Crawley, West Sussex RH10 6SG.

#### ON COURSE WITH MIDI

Learning the ins and outs of MIDI can be even more difficult than learning to play an instrument in the first place. Perhaps a crash course is the answer. Micromagic Ltd (0924 410880) host weekend, week and parttime courses in MIDI, synthesis, sequencing, recording techniques and digital audio.

Right Track Studios (0432 72442) offer MIDI arranging courses, from beginners to advanced levels, tailored to the individual's needs.

Mike Collins (081 888 5318), is both a session musician and programmer. He also offers courses in MIDI at all levels.

### BRINGING MIDI TO BOOK

The alternative to taking a course in MIDI is to do what the pioneers did – learn as you go! Books are very helpful and one of the latest publications is MIDI Systems and Control by Francis Rumsey (£14.95), published by Focal Press (Tel: 0483 300966).

It addresses the subject in a fairly technical fashion – more so than other books on the subject – yet is eminently readable.

Topics include MIDI specifications and protocol, MIDI messages, timing, synthesisers and samplers. Also included are sequencers and synchronisers, effects and drum machines, plus hints on building up a MIDI system.

MIDITech, 176 Burges Road, London E6 2BS. Tel: 081 470 9012.

DACS, Stonehills Complex, Shields Road, Pelaw, Tyne & Wear NE10 0HW. Tel: 091 4385585.

#### MIDI AND MUSIC ON THE TRAIN

SDL, part of Silica Shop, was showing an impressive MIDI setup to those ST users who attended the Atari Whistle Stop Tour. The system was based on a £2,000 MIDI keyboard and Stacy Portable, running Sound Technology's C-Lab music software.

Also on display and proving popular, was the add on Unitor hardware that plugs into the ST's cartridge port. It's also compatible with the whole range of C-Lab products. The cartridge provides any ST with two extra MIDI INs and another MIDI OUT port, enabling more complex MIDI set-ups.

There was a great deal of interest in MIDI applications, ranging from music professionals to those who just wanted to explore

the potential of the ST in their spare time.

Although the SDL set-up was beyond the reach of most people, it was interesting to see just what could be done, and many expressed interest in some of the cheaper MIDI hardware available. All in all, the Atari Whistle Stop Tour was a interesting event for MIDI and music enthusiasts.





Microtext Adaptor + Market Breaker

stock market analysis software for just £190.00 inc.

J, 7 Birdlip Close, Horndean, Hants PO8 9PW Tel: 0705 595694 Fax: 0705 593988

**MICROTEXT** 

Dept SU,



## fedder effers

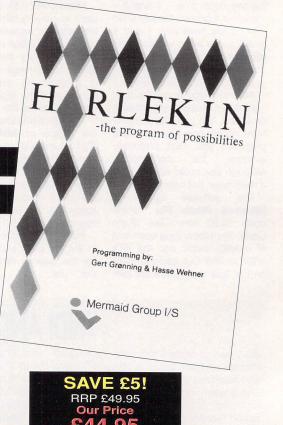
#### EIGHTEEN INSTANTLY ACCESSIBLE UTILITIES

#### IN ONE POWERFUL PACKAGE

Harlekin is a new concept in desk accessories for the ST. Eighteen different programs, including a Wordprocessor, Scrapbook, Disk editor, Terminal program, Calendar, ASCII tables and much, much more, are instantly available from the accessory menu.

This integrated system is RAM resident, meaning that all of the Harlekin programs can be accessed without exiting from the program currently in use, ensuring processing time is kept to a minimum.

A complete Desktop management system so fast and flexible you'll wonder how you ever computed without it. Harlekin is a powerful addition to any user's catalogue of essential software packages



To order, please use the form on page 149

## **MICHTRON'S**

Brief mention of the StarNet bulletin board system a few months ago has led to an enormous response from enthusiasts keen to get in on the bulletin board act but not quite sure which software to use.

Certainly, StarNet is a great introduction to setting up your own bulletin board, but it isn't the best piece of software in the comms world, and there are some others that allow far more room for manoeuvres. So what else is out there?

Probably the most revered commercial BB is Michtron's Michtron BBS, a dinky little board stuffed with the kind of extras that raise the hairs on the necks of prospective Sysops everywhere!

Michtron is an American company renowned for its communications software - both terbulletin board and Although of late, several other pretenders to the comms throne have usurped the popularity of Michtron products. All of which is completely by the by, for the Michtron BBS is a corking program the features of which, have me on the edge of my seat as I write about it.

Easy to set up, and with a versatile message base, multi-

user capabilities, 16 SIGs, four transfer modes and touted as being "practically self-maintaining!" - that's the self-congratulatory pat on the back, but how does it measure up on your machine?

Getting it up and running is no problem. Bung the backup copy of the program disk in a drive, double click BBS.TOS and the program's on your screen in a trice. Now hit F1 you'll be asked to offer a user name and password and then you'll be admitted to the board.

Fine, you've now created an identity on the system but you're still just an ordinary user - how do you get real power?

The overall controller of a Michtron BBS is known as the Wizop (typically American and truly awful, right?). Below the Wizop there are Sysops specified by the Wizop, Jnr Sysops, Registered users and Non-registered users. To elevate users to the upper echelons, a separate program, 'Maint', creates a file CONFIG.BBS containing Wizop/Sysop etc, status, SIG information and much more.

Wizops (and there should be one only on any system...) can do absolutely anything. Delete information and users, alter user status and so on - heady stuff! Sysops can be assigned to tend specific SIGs, leaving the Wizop free for other tasks.

The Sysop, although powerful, does not have the same kind of power as the Wizop. At the 'common denominator' end of the scale, Non-registered users can merely look at the system. They can't leave or answer mail and have severely restricted access to the majority of messages. This ensures the absolute security of the board, by limiting the amount of access of



To start the whole process the Michtron BBS load up configuration file



such as setting up sites for certain parties to make the whole system much more efficient...



Then before you know it, you're into an Aladdin's cave of sexy BB configuration options...



...and deciding where to store the thousands (hopefully) of messages left on your board

Console [0] Waiting for carrier Modem 1 [0] Waiting for carrier Chat enabled

0:00/

MichTron's Multi-User BBS, Version 2.10 Copyright (c) 1985,1986,1987 MichTron Inc. Program By Timothy Purves

Checking files and directories

Checking Download folder A:\DWN1\ Checking A:\BBS\USERLOG.BBS, User Log file Checking A:\BBS\MAIL.BBS, Mail Data file Creating Mail file 100
Checking A:\BBS\LASTCALL.BBS, Last Caller file
Checking A:\BBS\DOWNLOAD.BBS, Download file

Waiting for a call on Console

After completing the set-up process, all that's left for you to do is to sit back and wait for the punters to come a-rollin' in...

transitory users. But whatever your status in the Michtron system might be, this is still very interesting stuff and well worth being involved.

So, is your appetite whetted? Tune in next month, when we'll take a look at some of the better features of the program - and, of course, the worst...

A few years ago, when comms from home was still in its infancy, the best you could hope to do in the modem stakes was a second-hand example of what the Post Office (yes, pre-Telecom) laughingly described as the "ultimate in high-tech communications", that is, one of their shoe-box sized, mushroom coloured monstrosities, able to attain a maximum speed of around 300 baud if you were lucky, and the connection of which was ahem, frowned upon by the authorities.

Today of course, the comms world is inundated with dozens of sophisticated modems offering just about every known speed and error checking facility. But unfortunately, they are offered at a price to match their sophistication. What's the alternative?

Well, there are still many fine modems

from yesteryear on offer in the second-hand market, some of which offer a surprisingly good introduction to transmitting across the ether, and don't require you to sell your firstborn to foot the bill.

One of the most popular, when computers came with 8-bits and cassette backing storage was the WS2000 from Miracle Technology. Although manual (that is, users had to turn a knob on the front panel to select a transmission speed...), it provided many with their first introduction to comms.

I don't advise you to rush out and buy one, but if you're still at the thinking stage as far as comms is concerned, and you come across a WS2000, then buy it. Expect to pay around £25 to £30. If you get really hooked, you'll want to upgrade to something a little

more capable pretty quickly, but if you don't, then at least you haven't wasted much cash.

Other names to look for are Tandata (particularly the TM500 and 510), Pace Nightingale and Linnet and the WS4000. The latter was always somewhat over-priced by the standards of the day, but offered full Hayes compatibility, auto-answer and auto-dial and quality construction. Pay no more than £50 to £60 for the privilege.

If you can find an owner willing to part with it, the Amstrad MC2400 is one of the best modems around. Slightly more sophisticated than some mentioned here, Amstrad's device offers a range of transmission speeds including V22bis (2400/2400 baud), and £100 to £125 ought to be sufficient to liberate the modem from a former owner.

Atari ST User -



#### ST UPGRADES AND REPAIRS!

★ STE MEMORY MODULES (Simm and Sip) 512K - £40 2 Meg - £175

★ CHIPS TO UPGRADE ST MEMORY 512K - £40

2 Meg - £175 ★ REPAIRS – Phone for details

TERMS: Please specify exact requirements when ordering memory. Strictly payment with order. All products fitted by us guaranteed for 3 months against defective parts or workmanship

#### PENGE TV AND VIDEO SERVICES

49 PARISH LANE, PENGE, LONDON SE20 7LJ **7** 081-659 2851

ATonce for the ST & Amiga

The 80286 AT Emulator that is a smash hit with ST Users is now available for the Amiga. Available at the low price of £189. Ring now for full details

Can I corrupt my files? How do I make a CONFIG.SYS file? What is a BAT file? Can I alter the search path?

Triatio a Brit mor Garri and the Coardi patit.	
Can you answer ALL these questions?	JOIN THE CLUB
Problems getting the right answers?	JOIN THE CLUB
Can retailers use the helpline? YES!	JOIN THE CLUB
Thinking of buying an emulator?	JOIN THE CLUB
What is the cost for advice? NOTHING	JOIN THE CLUB

YOUR FREE ADVICE HOTLINE 0622 677173

Wed 9am to 6pm - Sat 9am to 1pm XT Advice Saturday mornings only

#### THE INTERNATIONAL Public Domain & Shareware Guide

With thousands of ST customers, worldwide, as far afield as Japan, Italy, Iceland, Australia, France, Saudi Arabia, Holland, Belgium, Singapore, Sweden, Denmark, Germany, Norway etc. etc.

Clip art collections Eight D/S disk set Only £19.95

Education & Games sets Five disks from Only £10.00

The country's leading supporter of ST Shareware authors

The country's leading distributor of the Budgie **UK** collection

Exclusive Paid-Up **Shareware Titles** Available NOW

Exclusive adventure helpline service Available NOW

Send £1.95 for the new 60 page edition of The International PD & Shareware catalogue, with Shareware reviews, articles etc., or send only £2.50 for catalogue AND disk cat' database

Goodman Enterprises 16 Conrad Close, Meir Hay Estate, Longton, Stoke-on-Trent ST3 1SW Tel: (0782) 335650 Fax: (0782) 316132



Modem owners - you can now order through Bath BBS on (0225) 835841

## FLEXIDUMP PLU

Vary dump size from 1mm square up to 10 metres in length, choose from a variety of densities and passes (up to triple pass quad density). Other features include text insertion, upright or sideways dump, invert, frame, spool, auto calculates on 1:1 aspect ratio or deselect this and stretch the dump. Any part of a screen can be selected, graphics/editing, auto greyscaling for colour, on screen help. All this plus Labelmaking. From computer art to production labels Flexidump is an unrivalled software package.

FLEXIDUMP PLUS 24 pin and 9 pin mono or colour .....£33.00 £37.95c FLEXIDUMP MONO 9 pin..... ....£17.35 £19.95c 50 of the best colour pictures - comes on 5 disks ......£13.00 £14.95c

PRINT YOUR OWN T-SHIRTS! Print onto normal paper then iron on to T-shirt LC10 4-colour heat transfer ribbon ...£15.00 £17.25c Epson FX80, LX80, LX800, Star NL10, NX10,
Okiodata ML10, Citizen 120D (Black) Epson FX100
(Black) Star LC10 (Black) Panasonic 1080-81 .....£10.00 £11.50c Heat transfer colour pens - set of 5 large.....£15.00
Heat transfer colour pens - set of 5 small £12.00 £13.80c Heat transfer ribbons for other makes of printer available soon - phone for details.

ATARI ROM CARTRIDGE takes two 27256 (32k) or two 27512 (64k) Eproms & case ..... £10.35c READY MADE LEADS Atari to Scart (not Sony, ITT or Toshiba).....£12.00 £13.80c Atari to printer centronics....£12.00 £13.80c

Also in stock: TV/Monitors + Disc Drives
For your convenience first price EX VAT second price INC VAT.
HOW TO ORDER: Enclose your cheques/PO made payable to Care
Electronics or use ACCESS, VISA. Please add carriage. a=£10.35 b=£3.45
c=£1.38 d=£2.30. We are now open Saturdays

CARE ELECTRONICS, 800 ST ALBANS RD, GARSTON, WATFORD, Shop Open: Mon-Thurs 9.00-5.00 Fri-Sat 9.00-4.00 HERTS, WD2 6NL

TEL 0923 672102. FAX 0923 662304



## Fool your ST into thinking it can talk to the trees — well, the apples anyway

Atari have always marketed the ST as being a sort of "poor man's Mac" – something nearly as user-friendly as the revolutionary pioneer of the point-and-click method of computing, but much cheaper.

This was a fairly easy thing to do as long as Apple maintained its extortionate pricing policies: rumour has it that margins on the Macintosh exceed 50 per cent, and you only have to visit your nearest AppleCentre to get a reasonable idea of where at least some of that money goes.

Most of the serious ST users I know would rather like a Mac, but cannot afford to bite into that tempting fruit in case their bank manager banishes them from the Garden of Eden. Hence the phenomenal success of Mac emulators such as Aladin and, above all, Spectre GCR.

It's hardly surprising therefore, that the announcement of the new, low-cost Mac Classic has created a stir among ST users. The basic single-floppy model at £575 plus VAT and, in particular, the 2Mb hard disk version at just over £1000 (inclusive of VAT), appear destined to make deep inroads into Atari territory.

Just compare this to the price of a 2Mb Mega or STE, plus hard disk and Spectre – and isn't the real thing always better than even the best emulator? Already the pundits are talking about the death of the ST as a serious machine, or at the very least, the end of Mac emulators such as Spectre GCR.

I personally am not convinced. Five years ago, an affordable Mac would without any doubt have strangled the ST at birth. Even three or four years ago, the ST was still vulnerable to an attack by the Mac. Today however, there is an established user base of hundreds of thousinds of ST owners and a softwale catalogue second only to MSDOS and the Mac.

Programs such as Signum, Protext, Calligrapher, Calamus, Notator, Fleet Street Publisher, CyberStudio and Cubase (to name but a few) are good reasons for buying an ST, with much more in the pipeline. But what about the emulators? In fact, contrary to what some believe, cheaper Macs – as well

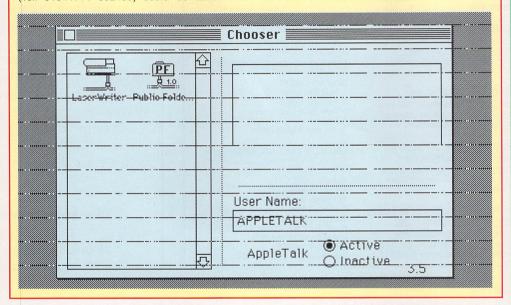
#### APPLETALK FOR THE ST

One of the most attractive features of all Macs is the built-in networking card AppleTalk, which allows a number of Macs to share resources such as hard disks and laser printers. On a recent visit to Germany, I saw something called STalk which plugs into the internal expansion bus of Mega STs and allows Spectre GCR to fully emulate AppleTalk in tandem with both similarly-equipped STs and real Macs.

No details on availability in the UK are available as yet, but for something around £170, it's German distributors, Fearn & Music, (Tel: 01044711 602489) could be talked into

putting one in the post for you. This quaintly-named firm specialises in Spectre-related products and also offers a neat HP LaserJet emulator for the Atari SLM804 laser printer as an INIT. This gives full 300dpi resolution from within Mac applications.

Also on offer is the Crossover program which converts Aladin disks to Spectre format and vice versa. I have seen this program circulating in the UK with the copyright message removed. But be warned, Crossover is most certainly not PD and Fearn & Music would no doubt be most upset to find it on British bulletin boards.



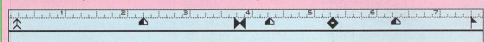
#### **GRAPHICWORKS**

One of the best justifications for PC emulators is the staggering wealth of public domain and shareware programs available for it, which quite simply dwarfs the combined list for Macs and STs. Admittedly, some of it is of dubious quality, but the best of it is very good indeed.

With SuperCharger's hotkey multitasking between TOS and DOS, AT Speed installed as a desk accessory, or ATonce in its new task-

switching mode, such DOS gems can plug the gaps in the ST's software armoury.

My current favourite is Graphicworks, to be found in most PD libraries and on many bulletin boards as GRAFWK46.ZIP – this one is sheer magic. The interface may be somewhat primitive by Mac or ST standards, but in terms of power it has no equal when it comes to converting graphics between different formats.



#### CALLLIGRAPHER PROFESSIONAL

BETTER THAN A MAC ..?

as cheaper PCs – could actually make the ST's versatility a more important asset than ever.

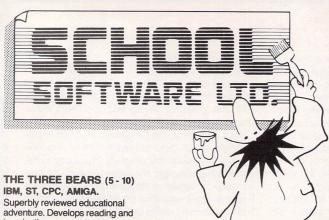
If the Macintosh becomes more widespread and its software more easily available and affordable, the operating systems chaos will increase. More people are going to be faced with the sort of situation where

two or more different standards are used by their friends and colleagues, with the different departments at work each preferring either MSDOS or the Mac depending on the nature of their particular tasks.

An ST equipped with Spectre GCR and one of the new AT emulators however, will provide

you with easy and quite efficient access to both worlds, plus the ever-increasing wealth of ST software, for around £1,000, or even less.

On top of that, the ST can double up as a games machine which will keep the kids happy (as they say). It's not a bad deal at all, methinks.



imagination.

MAGIC MATHS (4-8) IBM, PCW, ST, AMIGA.

Highly rated primary maths programs. Selection of games. Add and Subtract.

MATHS MANIA (8 - 12) IBM, PCW, ST, AMIGA. "The best

primary programs I have yet seen.' Multiply, Divide, Maths Skills.

**BETTER SPELLING (8 - 18)** IBM, ST, PCW, AMIGA, CPC, BBC, CBM (D). Highly acclaimed tutor. Received excellent reviews. Challenging.

**BETTER MATHS (12 - 16 GCSE)** IBM, PCW, ST, AMIGA, CPC, CBM (D). Very comprehensive coverage of all the major aspects of maths for this age group. Excellent.

**JUNIOR TYPIST (4-10)** IBM, ST, AMIGA. Keyboard trainer which helps spelling.

#### THE BEST IN EDUCATION

HOW TO ORDER

- Post your order
- Fax your order.
   Ring credit card number.
- 4. Ring for advice
- Ask your dealer to order.

FREE CATALOGUE

FREE CATALOGUE

FREE CATALOGUE

FREE CATALOGUE

ORDER DIRECT TO School Software Ltd., Tait Business Centre, Dominic Street, Limerick, Ireland. Tel: (U.K.) 010 353-61-45399. Fax Orders: 010 353-61-44315. Credit Card Hotline (U.K.): 010 353-61-45399. Others Tel: 010 353-61-45399.

#### The South West Soliweire-Librery

#### Available 6th December:

#### **Public Domain Software** Catalogue 6.0

We've scoured the Universe for the latest, greatest PD software and shareware for your Atari ST.

It's all in our new catalogue divided into sections, described in detail, with pictures, version numbers, compatibility info, shareware registration fees, and a unique Index to help you find what you're looking for.

Get your free copy at the Shopper Show, or just write in to:

The South West Software Library

PO Box 562 Wimborne, Dorset BH21 2YD, U.K.

#### ANALOGIC ANALOGIC

#### ANALOGIC COMMODORE and ATARI

#### SALES Amiga 500 Flight of Fantasy Pack .....£379.95 ....£379.95 Amiga 500 Batman Pack..... Amiga 500 External Disc Drive Amiga 500 External Disc Drive Amiga 500 Half Meg Board Atari 520STFM Discovery Pack Atari 520STE Power Pack Atari 1040STE Fytra Pack /....£369.95 Atari 1040STE Extra Pack .....£459.95 Atari External Disc Drive with PSU .....£59.95

ST UPGRADES	
ST and STE to 1Mb	£59.95
STE to 2MbBERICE	£129.95
	£259.95

REPAIRS	ED.S	
CBM64	FIXEGES	£29.95
Atari ST/STE	CHA	£49.95

- \* All prices include VAT and Delivery
- ★ Special discount to Educational Institutions
- ★ Please call for price quotes on other Atari and Commodore packages.

Telephone 24hrs (081) 546 9575 Fax (081) 569 8886

#### Analogic Computers (UK) Ltd

152 Latchmere Road. Kingston-upon-Thames, Surrey KT2 5TU



Hazlehead, Aberdeen, AB1 8HB ☎ (0224) 312756

#### ST User Group

Britain's No 1 ST User Group offer YOU more. Annual membership costs £10 (UK), £15 (Europe) or £20 (Rest of World). This includes a FREE DISK and six issues Floppyshop News, our regular bi-monthly newsletter. It covers hardware and software reviews, hints & tips, programming tutorials and articles of general interest. Floppyshop News is written by ST users for ST users. Our newsletter has been featured in Which? Magazine, Computer Shopper, ST World and Your Second Manual to The Atari ST. The Current Issue is produced with Calamus and available to non-members for only £1.50.

#### Public Domain Library

We also have one of the largest collections of Public Domain software available. At the last count we had almost 1800 disks in the collection and this is growing daily. Many PD programs are particularly close to commercial quality. PD disks cost £2.75 each and you can choose 2 free with every ten you order. We also stock the entire range of Budgie UK Licenceware and the latest Charity compilation from Micro Care. Please see catalogue for prices of these. Next day despatch on all orders GUARANTEED. Due to the fact that our catalogue is 263 pages, it has become necessary to put it on disk. Send a blank disk for a free copy. We'll even pay the return postage! If you're out of blanks just send us a cheque/PO for 80p and we'll supply the disk. Once you've finished with the catalogue you can re-use the disk. Where else can you get a quality blank disks for 80p?

Floppyshop is currently the largest source of new Public Domain software in Britain. We get almost half of our Public Domain direct from the authors. If you've written a top quality program and would like to place Public Domain please contact us for details of our generous offers to authors. Please note that we only accept the best programs. No Master Sound demos please!



Issue 8 of STUFFED is out now. This issue sees a special feature where two new Algebra and French programs, aimed at the GCSE student, come under the microscope. In addition, we look at Vidi ST and publish full colour pictures created using this package. STUFFED is the leading magazine on disk for the Atari ST and features both serious and games reviews along with a number of regular features and specialist articles too numerous to

STUFFED is fully compatible with ALL colour STs (even the STE!). STUFFED features a unique disk format which allows it to be read on single or double sided drives. There are extras on the second side of the disk for those with double sided drives. Don't get left behind, Get STUFFED Regularly! Send for your copy now, enclosing a Cheque/PO for £3.50 (or £12 for four issue subscription) to the above address







All Major Credit Cards accepted Telephone Orders Welcome



Dick Disk Shoots Them Up! A game featuring the Intrepid Floppyshop Hero. Only £2.75. Order code GAM.151C

# From the dark North came the one-eyed man, a teller of tales and stealer of souls

The new year brings with it a new writer to our Adventures page. A tattered scroll bearing the name Cyclops appeared at the 'USER office and, upon reading it, we thought that he sounded crazy enough to know what he's talking about...

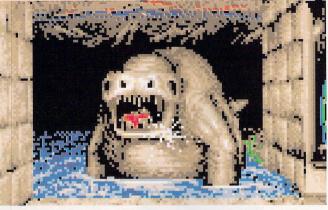
Well here I am. It took me longer to get here than I thought it would, but now you're all mine. At last, 'umpteen' adventure fans scattered across the world lie in the palm of my hand – and to think that my old mum said I would never make good! Well, now that I've got hold of you, things are going to be very different around here.

I've come here to chew bubblegum and kick ass – and I'm all out of bubblegum! I'm not interested in maze-mapping exercises, lists of Charisma Points or tables of Armour-Class statistics. If I wanted to be bored I'd be a train-spotter not an adventurer.

What we want around here are adventures that lift the imagination to the stars then drag it down to the deepest dungeon. I want games with thrills around every corner and laughs behind every creaking door. Those games are there if you look for them, you just need someone to help you dig for them amidst the month's dragon dung. Let's face it, with my brain and your good looks we can't go wrong. Okay, we've got one page to start changing the face of this Adventure Column, so let's not waste it.

If you're a fan of Dungeon Master-style games then I have great news for you. After what seems like forever, someone has finally done what I have been screaming for, they've written a game which deserves to be placed on an equal footing with the original. **Captive** by Mindscape is the disk you've been looking for – I trust you're taking this down?

Now I know you have been through all of this hype before and only ended up being disappointed. Bloodwych, Gadregons Domain, Xenomorph, Jane Seymour, Corporation, they've all been paraded before you in the



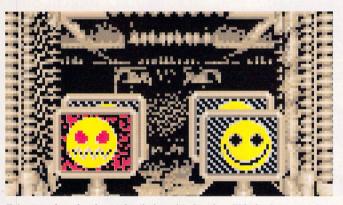
In the world of the Captive this is one of the creatures which will be a real hindrance. Around every corner and hiding in every shadow are other such monstrosities, so don't say you haven't been warned



The briefcase computer tossed nonchalantly in the corner of your cell in The Immortal



In The Immortal you can't 'save game', so you must start from the beginning each time you play



Take your imagination to its limits with Captive. This is the game that the others promised but were unable to deliver



The start of Wonderland - can anyone guess what's coming?

last year and they all claimed to be the true heir to the crown. Did you buy them? Did you agree? Or perhaps you would like to have a few words with the reviewer. Worthy those games may have been; fun, tricky and well crafted, but I still think they lacked something.

Captive is different. This is one of those games which picks up your imagination and runs off with it down a dark tunnel. One hour later, you're still in the game, your mum's on your back and your supper is in the dog!



You can't miss the March Hare's house, it's very unusual...

Banging your head on the walls of a star base while you scream 'runaway, runaway' is all very well, but what of those who prefer more cerebral action?

Virgin Mastertronic have bought the rights to some old Infocom text adventures and are now repackaging them in their own jolly colours at a (budget?) price of £9.99. It's interesting to note that they originally planned to charge £7.99 but complaints from shopkeepers that they would starve to death have made Virgin bump up the price.

Of course, those of you who can spare the time to make it to the many computer shows in London will know that you can always pick up Infocom games for around six pounds, and such bargains are also found in many of the discount mail order prices. I'm sure you already know that **Wonderland** is the game upon which Magnetic Scrolls hopes to soar phoenix-like from the ashes of its previous existence.

I've been given the grand tour around the game by the Scroll's team leader and the whole feel of the game is like something from a very expensive Apple Mac computer. I always felt that the Scroll's previous games were a mite too hard to be fun, but as their biggest customers - the Americans - liked them that way. that's what we got. I can't say yet whether they've altered that aspect in Wonderland, but the user interface couldn't be simpler. Let's just say, 'To see it, is to want it'. Time will tell if the contents match the wrapping paper.

The Bit Map Brothers have come up with a great idea. Instead of spending a lot of money on a movie licence tie-in with some Teenage Mutant Tosher, they have instead spent a lot of time producing **Cadaver** – a brilliant game which deserves to sell like hotcakes.

The graphics are top quality, it all flows like silk and I defy you not to enjoy it. Remember how we gasped at Knightlore on the Spectrum a million years ago? This game should have been titled Knightlore 2001 it's got so many bells and whistles in it. Months after you buy this one you'll still think it was worth it. How many other games can you say that about?

The Immortal from Electronic Arts sounds good, looks good and to be fair has a lot going for it. It does, however, suffer from the fact that there is no 'save game' facility. Passwords allow you to skip previously completed levels, but as death comes as swift as the flick of a dragon's tail, this will not save you from endlessly repeating your current level as you very painfully inch your way past the many deadly puzzles.

This is a game which will impress your friends and drive you mad. Can't fault its beauty, but it will extract a heavy price from your patience before the final curtain falls, you could be crawling up the walls.

Well, how was it for you? I'll be back next month. In fact, I'll keep an eye out for you. (Sorry, I just couldn't resist it.)



Twin Joystick/Mouse lead 13 Pin Open Ended lead

Dust Cover 520/1040

SOFTWARE	Bookkeeper v3.2-Sag	je82.95
- SOFT WAKE	Canvas	
THE STATE OF STREET	Cashbook Combo Dig	ita49.95
TARI ST BOOKLIST	Cyber Control	28.95
Things to do with	Cyber Dev/Design Dis	ks15.95
r ST11.97	Cyber Paint	36.95
aphics Programming17.95	Cyber Sculpt	55.95
Assembly Lang. Prog 19.95	Cyber Studio	38.95
ations Guide in C18.45	Cyber Texture	34.45
ST Explored (tech. guide)8.50 Sourcebook & Tutorial9.50	Data Manager Prof	28.95
Drives Inside and Out17.95	Degas Elite	19.95
ST Basic to C13.95	Deluxe Paint	39.95
Makers Manual11.45	Devpac v2 Hisoft	43.95
Basic v3 Devel.+disk17.95 Basic Quick Ref.Guide13.45	Dgbase-Digita	34.46
nic Applications9.75	Digicalc-Digita	29.16
Sound Book16.25	Easy Draw 2	36.75
the ST (education)15.95	Easy Draw Superchar	ged58.95
ing C; Prog. Graphics 15.95	Easy Tools	28.95
nting the ST rev. ed15.45 am in GFA Basic9.75	Easy Tools First Word + New v3.	55.45
amming the 680021.95	Fonts Designer	
tist	Fun School 2 all ages	
achine Language16.10	Fun School 3 all ages	
achine Language Guide18.00 Programming Language 23.45	GFA Basic v3.5 Interp	
Reference Guide vol 1 18.95	GFA Compiler v3.5	
Rererence Guide vol 2 18.95	GFA Draft Plus v3.13.	
Reference Guide vol 321.95	GFA G-Shell	NEW 15.95
& Tips on the ST16.10	GFA Gem Utility	
FirST BASIC14.45	GFA Mission Control	
MISC. ITEMS	GFA Raytrace	
THE RESIDENCE OF THE PARTY OF T	GST C Compiler	
scan Pro 400 dpi224.95	Halekin Hisoft NEW	
T video frame grabber78.95	Hisoft Rasin	

Hisoft For

Hisoft Pov

RAMARA HOUSE SOFTWARE

22 Grange Road, Staincliffe, Nr. Batley West Yorkshire WF17 7AT

Telephone Sales: 0924 473556 9AM-9PM M

.33.95

### TRANS ### TR	ATARI ST PROGRAMS K-Data Kuma 34.5 K-Resource 2 Kuma 27.45 K-Reget Tresaurus 35.95 K-Spread 1 Kuma 18.49 K-Spread 2 Kuma 41.95 K-Spread 3 Kuma 41.95 K-Spread 3 Kuma 61.95 K-Spread 4 Kuma 28.95 K-Word 2 Kuma 28.95 Mark Willams C 39.95 Mark Willa
ner v3.2–Sage 82.95 11.75 x Combo Digita 49.95 nfrol 28.95 vi Design Disks 15.95 int 36.95 int 36.95 int 36.95 int 37.95 int 38.95 int 38.95 int 38.95 int 39.95 int 3	K-Resource 2 Kuma
11.75 Combo Digita 49.95 VDesign Disks 15.95 int 38.95 vdlesign Disks 15.95 int 38.95 int 38.95 int 38.95 int 38.95 int 38.95 int 39.95 Hisoft 39.95 Hisoft 34.46 lighta 34.46 lighta 34.46 lighta 34.46 lighta 35.95 is 58.95	K-Roget Thesaurus
Combo Digita. 49,95 Introl. 28,95 Introl. 38,95 Int. 36,95 Int. 36,95 Int. 36,95 Int. 38,95 Int. 34,45 Int. 39,95 Int. 39,95 Int. 39,95 Int. 39,95 Int. 39,95 Int. 39,95 Int. 34,46 Int. 34,45 Int. 39,95 Int. 34,95 Int. 34	K. Spread 1 Kuma 18.49 K. Spread 2 Kuma 41.55 K. Spread 3 Kuma 61.95 K. Spread 3 Kuma 61.95 K. Word 2 Kuma 28.95 Masterplan 66.56 Mini Office Pro. SS 18.95 NeoDesk 3 New 28.55 Personal Pascal Hisoft 57.69 Prodata – Armor ***75.49 Protext v4.2 ***64.45
28,95	K. Spread 2 Kuma
nt 38.95 lpt 55.95 lpt 55.95 lture 34.45 ager Prof 28.95 lint 39.95 lint 39.95 lint 39.95 lpt 41.95 lint 39.95 lpt 34.45 light 34.45 light 34.45 light 34.45 light 35.95 light 35.95 light 36.75 light	K. Spread 3 Kuma 61 95 K. Spread 4 Kuma 84 95 K. Spread 4 Kuma 84 95 K. Spread 4 Kuma 28 95 Knille ST Hison 22 95 Knille ST Hison 29 79 95 Mark Willams C 99 95 Mark Willams C 98 95 Mark Willams C 86 26 Mini Office Pro. SS 18 95 NeoDesk 3 New 28 55 Personal Pascal Hisont 75 79 69 Prodata – Arnor "75 499 Prodat 4 2 "74 4 45
Julpi 55.95 dio 38.95 thure 34.45 agape Prof 28.95 te 19.95 init 39.95 init 3	K. Spread 4 Kuma 84 95 K. Word 2 Kuma 28 95 K. Word 2 Kuma 28 95 Knile ST Hisolt 22 45 Lattice C v S Hisolt 109 95 Logistix v 2 79 95 Mark Willams C 89 95 Masterplan 66 56 Mini Office Pro. SS 18 95 NeoDesk 3 New 28 55 Personal Pascal Hisolt 57 96 Prodata – Amor ***75 99 Protext v 4 2 ****64 45
dio 38.95 ture 34.45 ture 34.45 te 19.95 te 19.95 thin 39.95 Hisolt "43.95 tigita 34.46 tigita 29.16 w 2 36.75 Supercharged 58.95 1 New V3 "55.45	K.Word 2 Kuma 28.95 Knile ST Hisoft 22.45 Lattice C V5 Hisoft 109.95 Logistx v2 79.95 Mark Williams C 88.95 Masterplan 66.56 Mini Office Pro. SS 18.95 NeoDesk 3 Nev 28.55 Personal Pascal Hisoft 57.96 Prodata – Armor "175.499 Protext v4.2 "164.45
ture 34.45 ager Prof 28.95 ager Prof 28.95 int 39.95 Hisolt "43.95 ligita 34.46 ligita 34.46 v 2 36.75 Supercharged 58.95 + New V3 "55.45	Knite ST Hisoft 22.45 Lattice C V5 Hisoft 109.95 Logistix V2 79.95 Mark Williams C 89.95 Masterplan 66.56 Mini Office Pro. SS 18.95 NeoDesk 3 New 28.55 Personal Pascal Hisoft 77.96 Prodata – Armor "175.499 Protest V4.2 "164.45
ager Prof. 28.95 te. 19.95 te. 19.95 2 Hisolt 39.95 2 Hisolt 43.95 ligita 34.46 ligita 29.16 w 2 36.75 5 Supercharged 58.95 s. 28.95 1 New V3 ""55.45	Lattice C v5 Hsoft 109 95 Logistix v2 79 95 Mark Williams C 89 95 Masterplan 66.56 Mini Office Pro. SS 18 95 NeoDesk 3 New 28.55 Personal Pascal Hisoft 75 96 Prodata ~ Arnor *********************************
te	Logistix v2. 79.95 Mark Willams C. 89.95 Masterplan 66.56 Mini Office Pro. SS. 18.95 Never 28.55 Personal Pascal Hisoth 57.96 Prodata – Arnor "54.99 Protext v4.2 "64.45
aint	Mark Willams C         89.95           Masterplan         66.56           Mini Office Pro. SS         18.95           NeoDesk 3         New 28.55           Personal Pascal Hisoft         57.96           Prodata – Arnor         ""54.99           Protext v4.2         "64.45
2 Hisoft	Masterplan         .66.56           Mini Office Pro. SS         .18.95           NeoDesk 3         New 28.55           Personal Pascal Hisoft         .57.96           Prodata – Arnor         .***54.99           Protext v4.2         ***64.45
igita 34.46 bigita 29.16 w 2 36.75 w Supercharged 58.95 s 28.95 d + New v3 ****55.45	Mini Office Pro. SS
9.16 y 2	NeoDesk 3         New 28.55           Personal Pascal Hisoft
w 2	Personal Pascal Hisoft
w Supercharged58.95 s28.95 d + New v3***55.45	Prodata – Arnor54.99 Protext v4.2
s	Protext v4.264.45
t + New v355.45	
signer19.95	Protext Office+Filer***15.95
ol 2 all ages14.95	Spectrum 512
ol 3 all ages18.95	Superbase Personal 268.95
v3.5 Interpreter***37.75	Superbase Personal34.95
piler v3.521.95	
Plus v3.13108.95	System 3 – Digita36.46 System 3 Extra – Digita58.95
nellNEW 15.95	
Utility23.95	Tempus 2 Hisoft29.95 Timeworks DTP
ion Control23.95	
race29.95	Timeworks Tutor24.95
ompiler15.95	Timeworks+Easy Draw 288.95
isoft NEW34.45	Turbo ST Hisoft28.45
ic55.95	Twist Switcher Hisoft20.21
nterpreter36.95	Virus Killer CRL9.95
th29.95	Werks Hisoft21.45
ver Basic34.95	Wordfair HisoftNEW Phone
counts Digita18.95	Word Perfect175.95

ATARI ST PRO	GRAMS	ATARI S
K-Data Kuma	27.45 35.95 18.49	520 STE Turb 520 STFM Dis 1040 STE Ext Atari Lynx Har Portfolio Pock
K-Spread 2 Kuma  K-Spread 4 Kuma  K-Word 2 Kuma  Knife ST Hisoft  Lattice C v5 Hisoft	61.95 84.95 28.95 22.45	Atari SC1224 Atari SM 124 I Philips CM883 Monitor Cable
Logistix v2	79.95 89.95 66.56 18.95	PRINT Citizen 120D F Citizen Swift 9
NeoDesk 3 Personal Pascal Hisoft Prodata – Arnor Protext v4.2	57.96 ***54.99 ***64.45	Citizen Swift 2 Colour Upgrad Star LC10 Col Star LC10 Moi Printer Ribbon Ribbon 120D/3
Protext v5	15.95 22.95 68.95	DIS Cumana 3.5 1 Zydec 3.5 Ext.
System 3 – Digita	36.46 58.95 29.95 ***67.50	Sony Branded MMS Branded Sony/Memore
Timeworks Tutor Timeworks+Easy Draw 2 Turbo ST Hisoft	88.95	RECREATIO

ATARI ST MACHI	MLS
520 STE Turbo Pack	368.00
520 STFM Discovery Pack	274.99
1040 STE Extra Pack	429.99
Atari Lynx Handheld	163.99
Portfolio Pocket PC	179.95

MONITORS	
Atari SC1224 Colour	268.95
Atari SM 124 Mono	119.00
Philips CM8833 Colour	244.95
Monitor Cable ST to Scart.	9.95

PRINTERS & AC	CC.
Citizen 120D Plus	154.95
Citizen Swift 9 Pin	219.95
Citizen Swift 24 Pin	316.95
Colour Upgrade Swift 9/24	38.95
Star LC10 Colour	214.95
Star LC10 Mono	165.95
Printer Ribbon LC10 (min 2)	2.95
Ribbon 120D/Swift 9 (min 2)	2.95

Cumana 3	.5 1 Meg CSA3	5479.95
ydec 3.5	Ext. RSY	69.95

Sony Branded 2DD Box (10) MMS Branded & Boxed (10)	7.25
Sony/Memorex unbranded (10)	

RECREATIONAL SO	FTWARE
Drakken	22.45
Ultima V	22.95
Chase HQ	14.95
Hard Drivin	14.95
Stunt Car	18.45
Future Wars	18.45
Iron Lord	18.45
Chaos Strikes Back	
F29 Retaliator	18.45
F19 Stealth Fighter	23.95
Back to the Future 2	18.45
Falcon Mission Disk 2	15.45

PRICES SUBJECT TO CHANGE SAME DAY DESPATCH FOR CREDIT CARDS, P.O.s AND BANK DRAFTS

A MERRY CHRISTMAS & PROSPEROUS NEW YEAR TO ALL



Would you like to be **Assistant Manager** 

in a young, friendly, fast growing international company, enjoy good economic conditions and the possibility of quick promotion to manager?

If you have a good knowledge of ATARI ST hard and software, a nice personality and some experience in sales then write or call us at:

CMV COMPUTERS LTD 117 Regent Street, London W1R 7HA Telephone (071) 734 1719 and 734 1740

## THE MEGA MIGHT

The UK's Original ST Demo Specialist

The Lost Boys: Lifes a Bitch — The Latest and Best D/S
The Inner Circle: The Decade Demo — 17 Screen Mega Demo D/S
Transbeaunce Demo: Multi Screens by Equinox etc D/S
Flexible Front: The Reflex Demo — Stalin is Back II S/S
The Empire: The Tec Demo — European & Screen Mega Demo D/S
Axxon\Accept: Spectrum Analyser — Stunning 1 Meg STE only Demo
Axxon\Accept: MK Hammer — You can't touch this! 1 Meg D/S
Eric Plankton: Ivor Biggun — XXX rated No Under 18's!!! 1 Meg D/S
Eric Plankton: Ivor Biggun — XXX rated No Under 18's!!! 1 Meg D/S
I.R.S: Dragons Lair II — Two D/S Disks Mega Demo not STE £4.00
The STE Jungle Demo — Brilliant Digi Sound and Graphics. STE Only!
STE Presentation — From France another brilliant STE only Demo
The World Beat Demo — Yes more stunning STE only Coding!
STE Intros — 4 Brilliant STE only Demos on One Disk, 1 Meg of Ram
ClA: Galtan 6 — Brilliant Mega Demo, Don't miss this one! D/S
3615': Gen 4 Demo — Great 5 Screen Multi Demo, D/S not STE
3615\Gen 4: Alf Mega Demo — Wicked 8 Screen Mega Demo D/S
3615\Gen 4: The Zuul Demo — More Cool Coding! 5 Screens D/S
The Lostboys: Cebit '90 — A Conversion of the Amiga Demo D/S
An Cool: Mickey Mouse — Superb First STE Demo, The Best! 1 Meg D/S
Teenage Mutant Hero Turtles — 1 Meg Demo., Cowabungal D/S
Teenage Mutant Hero Turtles — 1 Meg Demo., Any 520 ST! D/S
P.O.V. Compact Demo Disks — 33 D/S Disks in Stock, More Soon!
The Demo Club Soundtracker — 30 D/S Disks of Ripped Amiga Music!
The Lostboys: Mindbomb Demo — Real Bear Battering! D/S
The Carebears: Swedish New Year II — Yep the Sequal!! D/S
The Carebears: Swedish New Year II — Yep the Sequal!! D/S
The Carebears: Swedish New Year II — Yep the Sequal!! D/S
The Union Demo — The All Time Classic Mega Demo Not STE
The Exceptions: The Amiga Demo — The Classic Sound Demo S/S The Lost Boys: Lifes a Bitch - The Latest and Best D/S The Inner Circle: The Decade Demo - 17 Screen Mega Demo D/S The Carebears: Swedish New Year II – Yep the Sequal!! D/S
The Union Demo – The All Time Classic Mega Demo Not STE
The Exceptions: The Amiga Demo – The Classic Sound Demo S/S
The Exceptions: The Big Demo! – World Record Breaking Demo S/S
Starwars The Movie – Digitised Pics and Sound from the Movie D/S
Robomits II – Digit Pics and Soundtrack from the Movie D/S

Predator - Brilliant Digi Pics and Sound, Sorry Not STE! D/S **DISK PRICES:** 

1 to 9 disks £2.50 each - 10 disks or more just £2.00 each

Our disk catalogue costs just £1.00!!! or send a blank disk and a first class stamp 23 ALMA PLACE, SPILSBY, LINCS, PE23 5LB. TEL (0790) 53741



#### **Your Atari ST is** the only teacher which YOU CONTROL

Whatever your age, whatever your subject let your computer help you learn.

Subjects include ...

French, German, Spanish, Italian, English History, Geography, Science, General Knowledge, Football, First Aid, Sport, England, Scotland, Natural History, Junior Spelling and Arithmetic

> Reviewed in ST Format (August '90)



Kosmos are specialist producers of Educational Software designed to help you enjoy learning from your computer. Our programs even allow you to add your own lesson material.

Write or telephone for a FREE 20-page BROCHURE of our Educational & Leisure software Please state your computer type

Kosmos Software Ltd, FREEPOST (no stamp needed) DUNSTABLE, Beds. LU5 6BR Telephone 05255 3942 or 5406







## Outline your DTP needs, smooth out the bumps and think creatively

"Why do fonts look rubbish on ST DTPs?", asks Brian Stanley of Godalming. The answer comes in two parts.

Firstly, not all of them do. Fonts on Calamus are a pretty good representation of what you'll get on your printer. The difference in appearance in Calamus is down to the relative resolutions of both the screen and the printer.

The Atari SM124 mono monitor has a resolution of around 72 dots per inch, while a typical laser printer will print 300dpi, and dot-matrix machines will go up to 360dpi. The screen representation of fonts, and graphics for that matter, will consequently be that much cruder than the printed copy.

The second part of the answer is that only Calamus uses outline screen fonts. An outline, or vector font, is one in which each character is described as a series of lines and curves.

A 'P' for instance would be made up from the straight line of its downstroke and the curve of its loop. In fact each character is a little more complex than this, as it's formed from an inner and outer outline, and separate, smaller curves are used for the serifs and other ornaments to the character.

The essential factor though, is that once the outline of a character is defined mathematically, it can be scaled up or down simply by applying scaling factors. As a result, just about any size of font can be quickly produced for printing or display. The outlines themselves take up little room on your disk.

Contrast this with the bitmapped fonts supplied with other DTPs, such as Timeworks DTP. A bit-mapped character uses an arrangement of dots, representing each character. If you want a different size of font, or a different weight, you must have a separate series of bitmaps for it.

Each font has to be stored on disk in a version suitable for a pre-defined printer. Different sets are normally provided for lasers and for the dot matrix printers. You'll also need a set of bit-maps for your screen display. Using bitmapped fonts

#### **PAGESTREAM UPDATE**

PageStream version 2 is on the cards for January next year. This new edition of the versatile DTP, which started life as Publishing Partner will fea-

n 2 is ture outline screen fonts.

anuary The fonts are to come from Agfa Compugraphic, the source of the high quality fonts used in Cala-

version 1.8 are fixed, as they're said to be in version 1.82, version 2.0 will be a worthy contender for the ST DTP crown. Watch this space for more info.

restricts the number of sizes and weights that you can have available, since each font takes up more space on your disk and memory.

In Timeworks, you're offered 7, 8, 10, 14, 16 and 20 point sizes in the Swiss and Dutch fonts, and only 10 and 20 point in Rockface and Drury Lane. Screen fonts in these sizes should be as presentable as outline fonts, when viewed at real size.

To enlarge the page however, all the program can do is to scale the bitmaps up. Scaling up a large font will give a rather ugly, jagged appearance to the characters, which is probably what Brian is noticing.

Outline fonts are the way things are going, with more and more packages offering display outlines which can be scaled as they're required (that's 'on the fly' for those in the know).

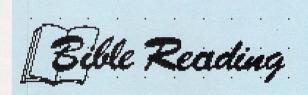
They take up less room and give a much better impression on-screen of what will appear in the printed version.

## Outline fonts look better than this.

Although PageStream scales its printer fonts, screen fonts are still produced from bit-maps. As a result, large sizes look ugly

# Vector fonts look a lot smoother.

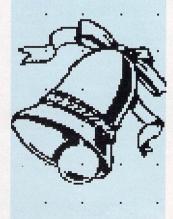
Calamus uses outline fonts for both the screen and the printer, which makes the page a lot closer to true  $\mbox{WYSIWYG}$ 







A small selection of the clips available in KemCom's Christian Clip-Art set. They are ideal for use in parish magazines and other religious publications





#### CHRISTIAN CLIP-ART

It has to be said that response to my request for clip-art has not been overwhelming. There is still time though, if you want to get coverage for your product, be it PD or commercial.

I did receive a sample and printout from KemCom designs. Peter Kempley has been compiling a set of clip-art covering all aspects of Christian life, which is ideal for use in parish magazines and other church publications. So far he has over 350 images in .IMG format on a five disk set, with binder.

They are available to anyone, for the very reasonable sum of £15. Write to Peter Kempley at 21 Chart House Road, Ash Vale, Aldershot GU12 5LS.



# redder offers stos game MAKER MANUAL

The essential companion to maximising the power of your creative talents. Written by the author of the original STOS manual

**ONLY £11.95** 

## HiSoft - Your 2nd Manual

Want to know more about the secret, and not-so-secret workings of your ST? Your 2nd Manual, written by Andreas Ramos, contains all you'll ever need to know – how to do repairs and recover lost information, hints and tips, short-cuts, and much more. Also included are two free double-sided disks – a Public Domain Disk containing lots of goodies, and a HiSoft Demo Disk with full demo versions of five great programs. So what are you waiting for? We have limited stock – buy today for only £12.95

It's Amazing!
It's Radical!
It's the Rolling Rulers

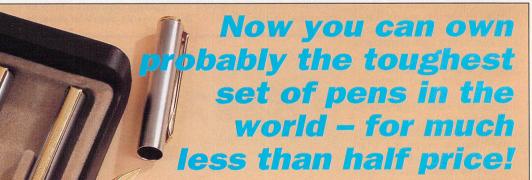
A complete drawing board in one simple unit. With a rolling ruler you can draw:

- ★ Horizontal parallel lines
- ★ Vertical parallel lines
- ★ Perfect right angles with ease
- ★ Any other angles from 1° to 359°
- ★ Clever circles

Available in two sizes 22cm (8in) and 30cm (12in) this great offer gets you both rolling rulers for just £5.95 (RRP £9.99)

It's innovative design gives the new rolling ruler the ability to draw vertical and horizontal lines without lifting it off the paper, parallel lines, angles, circles, musical staves and graphs with ease, making it ideal for the home, the office, schools, workshops and 3D design work.

To order, please use the form on Page 149



(Or buy two – and get them both for almost a quarter of the normal price)

The three pens that make up the Pentech 200 pen set can stand up to the roughest treatment you can inflict on them – and still give you best possible writing quality. The pens, made to the highest standards of workmanship, are not only robust but are of classic appearance suitable for all occassions from the home to the Board Room, from the school essay to the best selling novel We have made a special purchase of a limited number of

We have made a special purchase of a limited number of Pentech sets and can now offer you this unique, high-quality writing technology at a price never before possible.

The normal retail price is £37.85. But with this special offer you can buy one set for just £14.95. Buy a second to offer a colleague as a present and we'll send you the two sets for £20!

You can buy with confidence. Each set comes with a lifetime guarantee.

The three pull-top pens in their presentation case consist of

One cartridge pen

One ballpoint pen

One fine liner

Choose from smart matt black or satin chrome metal finish

To order, please use the form on page 149

Using a system of strengthened steel rods these handsome binders will hold 12 issues of your favourite magazine securely in place. Why rummage through cupboards and book cases for dog-eared back issues when you can keep them safely together in one place?

#### **DUST COVERS**

Keep your ST free from dirt and dust with these smart dust covers. Made from rugged PVC, bound with strong cotton and sporting the distinctive Atari ST logo, these are the perfect way to protect your micro.

These sturdy closeable boxes will protect your disks from damaging dust particles

Each one also features the Atari ST User logo and can hold up to 50 disks.

#### ONLY £4.95!

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### **NEED SOME** EXTRA DISKS?

There's always a demand for spa ST disks – and at Atari ST User whave lots we will be happy to sell ve lots we will be nappy to s a really exceptional price, e all disks that have been pre monthly cover disks, but th and new and have never ed, so you can safely refe em and use them for any pu u like. Look at these prices

TO ORDER FILL IN THE FORM

All prices include postage, packing and VAT for UK orders. Europe and Overseas orders incur additional postage charges as shown. Please allow up to 28 days for delivery

Valid to November 30,1990

#### **BACK ISSUES**

July 1990	£3.500	9239	
August 1990	£3.500	9240	
September 1990	£3.500	9241	
October 1990	£3.500	9242	
November 1990	£3.500	9243	
December 1990	£3.500	9244	
nagazines July 90-Dec 90	£18.00₽	9112	
issues include cover disk	Add £3	Europe &	Eire / £7 Overseas

#### PRO PUNTER

All six n All back

£24.95 9484 \_\_\_\_

#### **DISC BARGAINS**

Breach	£9.95	9458	30
American Dreams	£17.95	9107	
Future Dreams	£17.95	9108	N I
K Spread 2	£34.95	9479	
Things to do with Numbers	£9.95	9404	
Chess Simulator NEW	£19.95	9115	

#### **PEN TECH 2000**

Black	£14.95	9485	
Silver	£14.95	9486	
Both	£20.00	9487	
	the state of the s		

ST COMPENDIUM 9471

£5 95 9478

£4.95 9119

£4.95 9135 \_\_\_\_

#### **MUSIC PRODUCTS**

Soundblaster	£44.99	9482
Mastersound 2	£34.95	9104
Quartet	£44.95	9105
Bundle of Three	£99.95	9106

#### STOS GAMEMAKER

£11.95 9476

#### DI-ST

9420

#### PLAY AND READ

Prof plays a new game £24.99 9474

#### HARLEKIN

New

#### £44.95 9102

PATERING PARTY OF THE PARTY			
ATARI ST US			
COVER DISK	15		
5 assorted disks	£7.50	9442	
25 assorted disks	£20.00	9443	
<b>ROLLING RU</b>	LER	New	
	£5.95	9109	region.
••••••	•••••	••••••	articles
PRO SHARE		New	
	£42.95	9110	
MAVIS BEAC	ON	••••••	
TEACHES TY			
TEAGIIEG I	F24 99	9477	
•••••••	124.99	94//	
<b>BATTERY CH</b>	IARG	ER	
	£19.95	9433	
••••••	•••••	••••••	
YOUR SECO	ND	New	
MANUAL			
	£12.95	9111	
Plus post and packing £1.	.50		
		TOTAL	
For Europe and Eire add £ for Overseas add £5 towa		10	
(unless otherwise specifie		je	
Send to: Da	taba	se Dire	ect,
FRE	EPOS	ST.	
Ellesn			
South Wi		The state of the s	R
(No stamp need			
Products are no	-		
within 48 hours of	of recei	pt but de	livery

of certain items could take up to 28 days

Order at	any	time	of the	day	or	night
----------	-----	------	--------	-----	----	-------

Orders by phone: 051-357 1275 Orders by Fax: 051-357 2813 Orders by MicroLink: MAG001 General Enquiries: 051-357 2961

Payment:	please	indicate	method	(1)
----------	--------	----------	--------	-----

Access/Mastercard	I/Barclaycard/Visa	/Connect
No.	Expiry date	1
Name		
Signed		
Address		

☐ Cheque/Eurocheque made to Database Direct

.....Post code.....

Daytime telephone number in case of queries:



#### **BUY YOUR XMAS DISCS FROM THE PD MARKET**

(Ideal stocking fillers)

THE PD COLLECTIVE CANAL MARKET CAMDEN LOCK HAVEN ST **LONDON NW1** 

DISCS FROM £1.75 EACH

**ELMSOFT PDS PO BOX 17** LOUGHTON **ESSEX IG10 2EE** 

Send us a blank disc or cheque or P/O for £1 to get our disc list

**INCLUDES THE FULL BUDGIE RANGE** 

12 DISCS FOR THE PRICE OF 10

BLANK D/S DISCS - 50p EACH

### PUBLIC DOM

Full range of Demos - Games - Utilities - Art Word Processors - Clip Art - Communications Astronomy - Music - Languages - Picture Disks Databases - Virus Killers - Educational etc.

Reliable Service - Return Post First Class Full Disks - Single Sided Average Over 300K All Disks are Verify Copied and Immunised

\* Doubled-up Disks at no extra charge \*

Send Large SAE for Free Catalogue to:-**SOLENT SOFTWARE** 

53 Rufus Gardens, Totton, Hants. SO43TA

#### It's official! READING and SPELLING will both feature in NATIONAL CURRICULUM ASSESSMENT for all 7 year olds.

Give your child a head start with our best selling "Read-Right-Away" series. Specially designed by a team of Teachers, Psychologists and Professional

Programmers, these games are used daily in thousands of schools, and are now available for the ATARI ST, featuring:

- ☆ Full colour graphics
- ☆ Sampled sounds.
- ☆ 2 exciting games in each pack

READING PACK 1 Age 5-8 Price £11.95

Special Offer! Reading Packs 1+2< for only £19.95!

READING PACK 2 Age 6-9 Price £11.95



Software, Freepost, Swansea, SA2 9ZZ Tel.:(0792) 204519 Fax:(0792) 298283



#### **ASTROLOGY**

TEACH YOURSELF with our STARTER PACK

A simple program to calculate a horoscope, an introductory booklet & 2 self-teaching programs (how to interpret the horoscope).

Only £12.50 – No previous knowledge required

Payment by Access/Visa, Cheque, etc.

Or send for free catalogue of our wide range of programs for PROFESSIONAL ASTROLOGERS (sae 33p - about 9"x7").

Progression, transits, harmonics, midpoints, etc. Superb graphics, 5000 year ephemeris, etc (from £25). Also TAROT, GRAPHOLOGY, NUMEROLOGY, etc.

#### **ASTROCALC**

(Dept STU) 67 Peascroft Road, Hemel Hempstead Herts HP3 8ER England. Tel/Fax: 0442 251809

#### Reach the top with... LCL **Self-Tuition Services**

World leaders – Hons graduate/teacher authors – At all major shows – £5 off total for 2, £10 off for 3

MICRO MATHS

Complete course taking beginners to GCSE in 24 programs on 59 topics + 2 books. £24 ( ST, STE, AMG, PC, PCW, CPC, BBC)



PRIMARY MATHS COLIRSE

Complete course taking age 3 years to secondary school entrance, using moving colour pictures. NATIONAL CURRICULUM levels 1-4, 24 programs + 2 books. £24 (ST, STE, AMG, PC, CPC, BBC)

HOME COLLEGE

Micro maths with VHS video £49.99 (ST, PC, PCW, CPC, BBC).

...LCL are producers of some of the best educational software for the ST..." NEW COMPUTER EXPRESS

Send cheques/PO's or phone orders or requests for free colour poster/catalogue to: LCL (DEPT STU) Thames House, 73 Blandy Road, Henley-on-Thames, Oxon RG9 1QB

OR RING 0491 579345 (24 hours)



### WAS IT I.R.

Local opinion here in Lynton has it that it was J.R. (Jan Ridd) who told Lorna Doone of the proposed Public Domain library for the ST. – the library that is different, where it's not the disks that are listed but the programs. You choose what you want and we make up disks accordingly.

> S.A.E. for full details to:-Exmoor Software, Queen Street, Lynton, Devon. EX35 6AQ

Full range of Budgie Licenceware also available.

#### **PEN PALS?**

I buy your Atari ST User magazines, but by the time I get them they are two months late. The last one available was issue 53, dated July 1990, which I couldn't get till we were well into September. In it, on the Mail Pages, was a letter from a Rodney Kirk of Floreat Park, Australia. Would I be expecting too much by asking for Rodney's address or asking you to send him my address?

The subscription order form in that same magazine is, or was "Valid until July 31, 1990". How could I subscribe if the order form is not valid; would I get the magazine any faster if I did subscribe and what would it cost me per year in Australian dollars? Robert Huggins, Toowoomba, Qld, Australia.

Well Robert, we've printed your letter, so that when Rodney's browsing through his favourite ST mag he'll spot your letter. He's bound to be so curious that he'll get in touch with us to get your address. Is there any chance of giving us a hint of why you want to contact him? (Not that we're nosey or anything, but...)

Secondly, it's a good idea to become a subscriber because it means that you'll get your mag much earlier. Just think, extra days to immerse yourself in 'USER - sheer bliss!

All you have to do is convert the English pounds sterling price to Australian dollars to find out how much you have to pay. Then ask your friendly local bank branch to give you a draft in English pounds. Easy peasy (especially if you're a foreign exchange dealer in your spare time.

#### WHAT A CORKER!

We read so often in magazines about poor service from mail order firms, and it can be no bad thing to pass on names of firms that give a poor service. However firms that offer good service should also get mentioned. One such firm is "WeServe" of Porchester, Hants. I recently ordered some printer ribbons and printer cable from them. When my order arrived I found that the cable was missing so I sent a fax informing them of this, the cable arrived the very next day!

Now that is what I call excellent service. Some would say they should have got it right first time, but mistakes do happen every so often. Surely the mark of a good mail order firm is how quickly they respond when a mistake does happen.

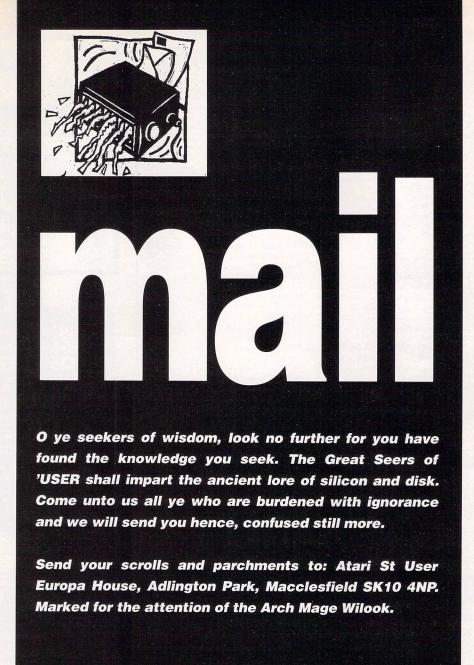
P Boulter, Twickenham, Middlesex.

Well, we can all rest easier in our beds now we know that there are some friendly companies out there in that nasty, mean and hostile world. It fair gladdens the old heart to hear such tales.

#### A LITTLE HELP

I am writing to you with reference to the letter by G C Rowley, (Exeter, Devon) published in Issue 57. In this letter he speaks of the lurid games that appear in ST USER and asks: "Do they need to be so large?"

Quite frankly I find the magazine has



found a good balancing medium between serious applications and fun software, eg games. If I was an utter games maniac there would be plenty of other magazines I could buy that were filled with games reviews.

I think 'ST USER has to bear in mind the large variety of people the magazine is purchased by, it should not therefore sway too much to serious software or games software.

G C Rowley also mentioned problems experienced with the de-archiving of the August issue disk – I found a cure. If you are a regular purchaser of ST USER, and you experience de-archiving problems, you should copy the Arcx.TTP file from the previous month's cover disk onto a blank disk. Now copy the Archived program that you wish to de-archive onto the blank disk.

For example, Issue 54 contained the program 'Nitro.Arc'. By using Arcx.TTP from Issue 53 you will find that the program can be de-archived in the normal way. Not being a great micro-chip mechanic myself, I did come to the conclusion there was something amiss with 'Arcx.TTP' on Issue 54 cover disk. *Warren Quick, Basildon, Essex.* 

Thanks for the tip, and of course, we have to agree with you. From our mail, we've concluded that we have the balance just about right. Anyway, you're obviously a man who knows what he likes and doesn't stop until he's found it – here!

At 'USER we're faced with the age old problem of pleasing all of the people all of the time (who are we kidding?) or some of the people most of the time (sounds more like it). But our mailbag would be much lighter and our mail page just about non-existent if all our readers were as easy to please as you.

#### **CHEATS INDEED!**

As a regular subscriber to your magazine, I wish to make two comments for your consideration

Firstly, it would be appreciated if the results of your MEGA competitions could be published for all to see. Those of us who are thick can then see just exactly how thick.

#### ADVERTISERS' INDEX

THE VERTIC	
Ampower	
Analogic Computers	
Arnor 80	
Astrocalc	
BCS	
Best Prices	
Byteback	
Cambridge Business Software112	
Care Electronics	
Castle Computers52	
CMV Computers106, 146	
Compo Software	
Computer Connections	
Computer Express	
Computerlab	
Computerwise	
Condor	
Contriver50	
Cumana	
Database Publications	
Datel Electronics22, 23	
Digicom	
Digita Int	
Deltronics82	
Eclectron100	
Entertainment	
International41, 49, 55, 69, 73, 156	
Electronic Arts	
Elmsoft	
Evesham Micros	
Exmoor Software150	
Floppyshop144	
Frontier Software14	
GFA97	
Gabriels135	
Gasteiner Technologies115	
Golden Image18	
Goodman PDL142	
HCS152	
Hi-Soft121, 155	
Homebase Business152	
HS Software150	
Kadsoft135	
1/46	

MS INDEA
Kuma
Ladbroke Computers42, 43
LCL150
Mail Centa132
MD Office Supplies75
Media Direct123
Merlin Express38
Microdeal
Microtext140
Miditech134
MJC Supplies30
MT Software94, 95
Music Matrix152
Music Village135
Next Base79
Overseas Media9
PC Emulators Support Club142
PDOM PD Atari92
Penge142
Radio Service Company104
Ramara House Software146
Romantic Robot
School Software
Sigma Press
Silica Shop53, 57, 63
SK Marketing24
Softmachine
Softsellers
Softville PD
Software City
Solent Software
ST Club
South West Software Library144
Switchsoft
The Demo Club146
Third Coast Technologies84, 102
Turbosoft 56
Turbosoft
US Gold
Virgin Electronics
We Serve
Wizard
WTS Electronics

#### COMPUTERWISE BRIGHTON

#### ATARI SPECIALISTS

WE HAVE 100s OF SOFTWARE TITLES (MANY ARE NOW DISCOUNTED), BOOKS

AND PERIPHERALS IN STOCK AT ALL TIMES. **CALL IN TODAY FOR YOURS** 

**UP TO £1000 INSTANT CREDIT AVAILABLE** AVAILABLE WITH LOMBARD TRICITY FINANCE



#### PHONE 0273 674626

OPEN 10 AM TO 5.30 PM MONDAY TO SATURDAY 44 GEORGES STREET, KEMPTOWN, BRIGHTON GEORGE ST IS OPPOSITE THE AMERICAN EXPRESS BUILDING



## **FULLY QUALIFIED ENGINEERS ON**

SITE TO UNDERTAKE REPAIRS OF COMPUTERS, DISC-DRIVES PRINTERS AND MONITOR

ALL WORK GUARANTEED FOR 3 MONTHS. FREE ESTIMATES.

#### Tel: MARK OR MARTIN (0527 85) 3374 **BUSINESS HOURS Mon-Sat 9am to 8pm** MPUTER REPAIRS 15a ALCESTER ROAD, STUDLEY, WARKS B80 7AG

#### FEED YOUR ST!

MEMORY UPGRADES	
512K TO 1024K STFM UPGRADE(INC. FITTING)	£55.00
16 256K X 1 STFM DRAM CHIPS	
512k to 1024k ste upgrade	£30.00
2 MEGABYTE STE UPGRADE KIT	£75*
4 MEGABYTE STE UPGRADE KIT	£140*
STE DMA FK TO STOP CORRUPTION PROBLEMS	£25.00
ST MOUSE SWITCHES	30p

\*Including trade-in of £15 for 512K existing memory Each kit comes c/w illustrated instructions + FREE multi-tasking software Trade enquiries/enquiries for Mac/PC/Sun/Arc upgrades welcome

#### **HOW TO ORDER**

Prices exclude VAT. Add £1.30 P&P to orders under £5. Please call before sending your computers

Telephone enquiries: 081-777 0751 Please make cheques/postal orders payable to: HCS

35 HARTLAND WAY, SHIRLEY, CROYDON, CR0 8RJ Goods normally despatched willing a Trade-in paid as a refund despatched within 2 days of receipt

PRODUCT DESCRIPTION PURPOSE

**PHILOSOPHY** 

ST MUSIC MATRIX

MIDI DISK MAGAZINE FOR ATARI ST.
TO AID THE ST MUSICIAN TO UNDERSTAND
AND WORK WITH MIDI. AIM TOWARD NEW HORIZONS FOR MIDI MUSICIANS

Educational by design. Covering every aspect of the MIDI and MUSIC data available for the ST computer. Each issue has files with Synth Editors, New Voices, News, Reviews, MIDI & MUSIC totorials, Complete WORKING sequencers. (187). Along with these extensive files each issue includes MFS SEQUENCES. YOU become the ARRANGER/PRODUCER of the music. E.g. Eroica Passage (Issue 5). ALGORITHMIC MUSIC GENERATORS – MIDI Demos, MIDI Software written in Basic. Series starting from scratch WITH EXAMPLE MIDI PROGRAMS in ST, FAST, GFA, POWER, HISOFT and STOS Basics also TEACHING MIDI IN 68000 Assembler. (Issue 5) Issue 7 NEW 16-TRAK SEQUENCER which supports MIDI THRU and EDITING, a KAWAI K1 Editor with new voice banks and KORG M1 DEFAULT VOICES. ISSUE 8 now has full working K1 Editor, 50 New Korg M1 Voices, and 32 New Kawai K1 Voices. ISSUE 9 has NEW ROLAND D10 EDITOR With all functions enabled and Voice Databank software. Also 2 Banks of 64 Voices for the ROLAND D5. ISSUE 10 has a KAWAI K4 EDITOR Demo and Samples for Replay 4 with editing software. New MIDI DATABASE DISK RELEASE – Our P/D MIDI isting has been updated. – Send just £2 for our latest list plus Matrix extracts on disk.



500 + VOICES FOR KAWAI K1/r/m ONLY £30 KORG M1/R SPECIAL - 500 VOICES FOR £30

The MUSIC MATRIX costs £10 per issue OR any 4 issues for £35
ALL PRICES ARE INCLUSIVE OF VAT, P&P AND 1st CLASS MAIL DELIVERY
Available only from The Music Matrix, 14 Main St, East Wemyss, Fife KY14RU
Phone 0592 714887 – 24 hrs – OR PRESTEL mbx 21-9999-427



#### MAKE YOUR ATARI ST EARN!

Yes making money with your ST becomes incidental when you know how. Your micro is, if only you knew it, a gold mine. The size and make is irrelevant. Make the initial effort. **NOW** by starting your own HOME BASED BUSINESS.

This may be the most important move you will ever make!

REMEMBER: You'll never get rich by digging someone else's "ditch". Anyone in the country, including YOU, can become very rich in a relatively short period of time just by doing a few basic things! It's more rewarding than playing games. The benefits are many and varied, Full or part time. For FREE details send S.A.E. to:



#### HOME BUSINESS

31 PILTON PLACE (ASTU20) KING AND QUEEN STREET WALWORTH, LONDON SE17 1DR



#### WIZARD P.D.

178, Waverley Rd, Reading, Berks, RG3 2PZ



WIZARD P.D. WOULD LIKE TO WISH ALL THEIR CUSTOMERS A HAPPY CHRISTMAS AND A PROSPEROUS NEW YEAR

SPECIAL CHRISTMAS PACK Includes: Brand new games - Space Chase III and Trooper 2000. Music – Christmas Carols and Superb new utilities



FEATURES

JUST A FEW \* High quality \* Low prices \* Club packs

3 Disks £5.00 - Ring for more details

- \*Fast service \*Full range \*Virus Free \*Helpline \*STE incompatible disks all listed \*Tos 1.09 all compatible
- WE OFFER:
- \* Tos 1.09 all compatible

For free catalogue call us on 0734 574685 or send SAE to: 178 Waverley Road, Reading, Berks RG3 2PZ

Secondly, as I am over 21 (and over 40) and a woman, mere or otherwise, I too would like some 'cheats' to be published. I am neither whizz or kid on a joystick but enjoy playing some games. For instance, what satisfaction, dare I ask, lies beyond Level 3 of Pin-Ball Magic? Infinite lives would give me more time to enjoy the programmer's handy-work(!) and reach far higher levels than ever dreamed of. Leisure Suit Larry's earth-moving abilities are strictly limited.

J Attwood, Beccles, Suffolk.

What's all this "mere woman" stuff? For shame! This apart, and as if by magic, the tips pages appeared. The answer to your prayers, right? So get that joystick of yours waggling – you never know, the games you've mentioned here might even appear in the future. To keep you going in the meantime, have a look at the tips on page 77. Now you can go further than ever before...

The results for the stonking competitions which enthusiastic readers out there have eagerly entered, are gradually being announced. The 'USER team have been living like moles under huge piles of entries for the last few months, but we're finally getting through them, so watch this space...

#### PD PROBLEMS

I am writing to you to see if you can give me some assistance. I have been an ST user for some five years now but due to the high price of commercial software I use a lot of PD programs.

I carry out a lot of word processing with my ST using the program ST Writer but as I suffer from dyslexia I have a lot of trouble with my spelling. In your research for your new feature on PD programs, which I think is the best feature you have started for a while, have you seen or heard of any programs that will spell check ST Writer files or a program that will work with ST Writer to carry out this function? I have a lot of files saved in ST Writer format which means that I would not like to have to change my word processor.

P Turner, Bordon, Hants.

Shhh, you'll have John boasting, and he's already impossible to work with! Unfortunately, there isn't a program which will work from within ST Writer. The best we can find for you is a PD program called Spell, which you can find at most PD libraries. Goodman Enterprises has the program on it's ST Writer v3.8 disk.

#### FROM EDITOR TO EDITOR

Let me first congratulate you on having a superb magazine. ST User has a more technical balance to its articles. Something which is sadly lacking in the other major publications. I am fairly new to the ST scene (being the proud owner of a brand spanking new 520 STE) and so yours was my first choice as a magazine to buy on a regular basis.

I am the editor, and cut and paste artist, of a small bi-monthly magazine catering for Roleplayers, for which I use my ST to produce copy. An invaluable tool is of course a word processor, and I have only you to thank for delivering PRO EDIT to my doorstep. This was a fully featured text editor with all the functions of a word processor, appearing on the June 1990 Cover Disk, it is, in my view, comparable to PROTEXT 5 in its user friendliness. The great thing about this program was that it was PD.

Recently your magazine has undergone some drastic changes, most good I hasten to add, however the quality of the programs and utilities included on the Cover Disk has become very poor indeed. One suggestion is that you should include more PD. In the feature 'Public Sector' John Butters reviews the best in new PD, so why not include one of the programs he reviews. I am sure that other ST users would appreciate excellent PD in preference to awful commercial demos and such.

Anyway, the sections on DTP and Adventures were most welcome and I hope you can continue your sterling work.

A Brotherton, Orpington, Kent.

Glad you like the mag – take a look at our cunning new Adventure column in Aspects. We're trying our hardest to improve the CoverDisk. In fact Simon, the Disk writer, has moved his bed into the office so he can work right round the clock.

#### IT'S JUST NOT CRICKET!

Just a little note of complaint. Firstly the Cover Disk on your October edition featured what I thought was a great cricket game... Can you buy this game in the shops at a later date (the finished game that is)?

Secondly could you please tell me about some books I could buy, that contain some good programs I can write in ST Basic, revised edition (the Basic in the pink and white box). I bought this form of Basic a couple of months ago and haven't used it yet. Paul Randall, Andover, Hants.

Sorry. This is, hopefully, the very last word on 'that' game. STumped, is available from most PD libraries. Also, take a look at Cricket Captain reviewed in the games pages. The book you're looking for is 'The Beginners Guide To Basic' from Abacus.

#### **COMPLAINAHOLIC?**

Before you discard this letter as being from another 'complainaholic', I would be grateful if you would at least read it all the way through, if not in respect of the trouble I've taken to write it, then for the many £2.95s I have put in the coffers of Interactive Publishing.

I write to inform you of my disappointment with October's USER. The feature on repair of an ST was nothing more than a space filler with a few ads tagged on the end – I mean, a whole column on how to solder, then no advice on what you can solder in an ST... (cut here in the interests of editorial job security – Ed).

K D Winch, Uplands, Swansea.

This repair feature was written with the intention of convincing all those non-technical users out there that it's not always necessary to send your ST away to be repaired – usually taking up valuable time which could be spent computing. Believe it or not, many readers are new to soldering. So we thought it would be nice to give a helping hand to allay any of the unnecessary fears that they may have. Sorry the feature was of no help to you (and probably others like you), but we do think that it proved useful to other readers.

#### FROM THE OTHER SIDE...

I wonder how many others have been duped into expecting good service from a compan? My ST's internal drive malfunctioned and was duly returned for repair as it was still under warranty, just days before Atari ST User 56 hit the newsstands (containing the extremely useful article 'Fix Facts').

After a week I received a letter telling me to 'make arrangements' to pay £15, as the only faulf was that of a dirty drive, which is not covered by the warranty.

In the meantime I had read in your article that for a paltry few pounds I could have done the job myself, so I phoned the company to ask for my computer ....

J Dobell, Broadstairs, Kent.

We knew that some readers would find that repair article useful, so thanks for letting us know. Hope you've got your ST back and that it's in working order.

No matter how good a company is, occasionally they do make mistakes. After all, no-one's perfect. It looks like you were the unlucky one.

#### **RED FACES**

Well, then, red faces all round at ST USER I bet. We know it was all the fault of the duplicators but you must admit that it's a bit of a laugh (maybe for you... Ed). I refer, of course, to the virus on the CoverDisk of the December issue. Luckily it seems to be fairly innocuous, so nobody is going to contact Messrs Sue, Grabbit and Runne to get compensation for their lost data. As they say, every cloud has a silver lining, and with a bit of luck everybody who was caught this time will be a lot more careful in the future.

For those who can't be bothered with checking each disk, I recommend a perfect solution. The ST Club supply a program (on disk DMG.19) called Virdog. This neat little program (when installed it takes up just under 1K of RAM) runs from the autofolder and sits there waiting for you to insert a floppy. When you do, it checks the boot sector and gives you a warning of a potential virus. So you have automatic checking of each disk with zero effort on your part.

The CoverDIsk virus just goes to show that you should check all floppies from ANY source. If you can't trust ST USER, who can you trust?

Frank Hollis, Harlow, Essex

Well, er, yes. Thanks for your letter, (and I might mention here that we have received plenty of letters informing us of our little problem). Of course we're shocked that these gremlins sneaked onto the Disk, but now they're there, we're doing our best to help anyone suffering from them to make a complete recovery. See Runtime this month for more.

## Z-CLOSE BOX—X

Write to: Close Box, Atari ST User, Europa House, Adlington Park, Macclesfield, SK10 4NP

## THE KENNEL CLUB

Back in the beginning when the ST was young and the programmers foolish, many products of, ahem, less than superior quality appeared on the market, then quickly disappeared amongst a flurry of denigration. Every dog has its day however, and here in the Kennel, we feel it's time these dogs of the software world returned to see the light of day...

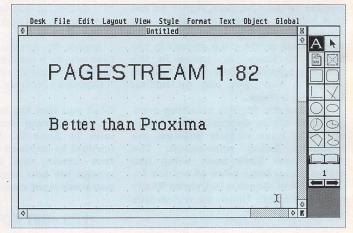
The Proxima Desktop Publishing program, published by Network News Services, was one of those programs that never really deserved to exist.

Billed as a program to rival the mighty Calamus from Signa Publishing, but at a much lower price, Proxima completely failed to live up to its own press. Despite some frankly syco-

phantic reviews from certain sections of the press and heavy advertising, Proxima eventually ended up with more enemies than friends. Suspiciously similar to the American-sourced Page-Stream program from Soft Logik, Proxima did not measure up.

The program was created from an older version of PageStream, a version that didn't support the vector (or outline) font technology that gives PageStream so much of its power and flexibility. Users of Proxima reported numerous nasty bugs, including some which resulted in hours of work being lost in a single moment when the program crashed irretrievably.

Some versions of the program were even supplied with a badly photocopied manual, and the



master disks were only bundled together with an elastic band.

Beyond any doubt, Proxima is a program we're much better off

without. It's very slow, ludicrously bugged, unprofessionally presented and generally not worth the disk it's formatted on.

## DICKY DESKTOPS

This month's impossible set-up is from Mike Chappell, in Essex:

Dear Mr Box (or may I call you Close), Please find enclosed a photograph of my desktop. Please notice the careful positioning of the printer. This allows me to knock it off the table by using only a small movement of the mouse. Notice also the poster of the lady robot which due to its raunchy nature has this minute steamed itself off the wall. Actually it is to hide the fact that the monitor is in fact a modified BBC monitor!

I also enclose a picture of the patented "SO-SAFE INVISIPLUG" wiring system. As you can see, it is hardly noticeable.

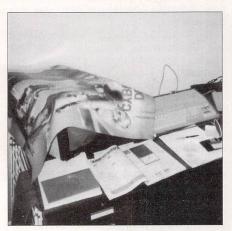
The only problem I do encounter with this

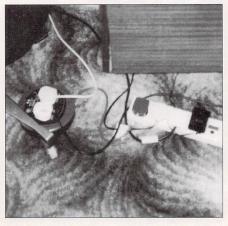
wiring system is that after a heavy sesh of Rainbow Island I move back my chair to examine the incredible score I usually amass and everything on the table moves about six inches to the right.

This usually means the printer proving that old Izzy Newton was right about the laws of gravity. What he didn't state was that the more expensive the object, the harder it hits the ground.

I hope the pictures are a comfort to those people who think that their desktop is bad. Remember, no matter how bad your set-up there is always another idiot who has no ergonomic sense!

Yours sincerely (and I really do mean that folks), Mr Mike "well 'ard" Chappell





#### **COME ON DOWN...**

Yes folks, these are the ten lucky winners in our Shopper Show Competition. Remember you saw it here with your own eyes:

N J Carter, Enfield, Middlesex

G L Baird, Ashington, Northumberland

A H Greenaway, Canvey Island, Essex Richard Kerr, North Shields, Tyne & Wear

Stephen Worton, Middlesborough, Cleveland

Nick Tyrrell, Deptford, London

Robert Rudman, West Croydon, Surrey

P McManus, Middleton, Manchester

Chris Earnshaw, Chesterton, Cambridge

James Tilett, London

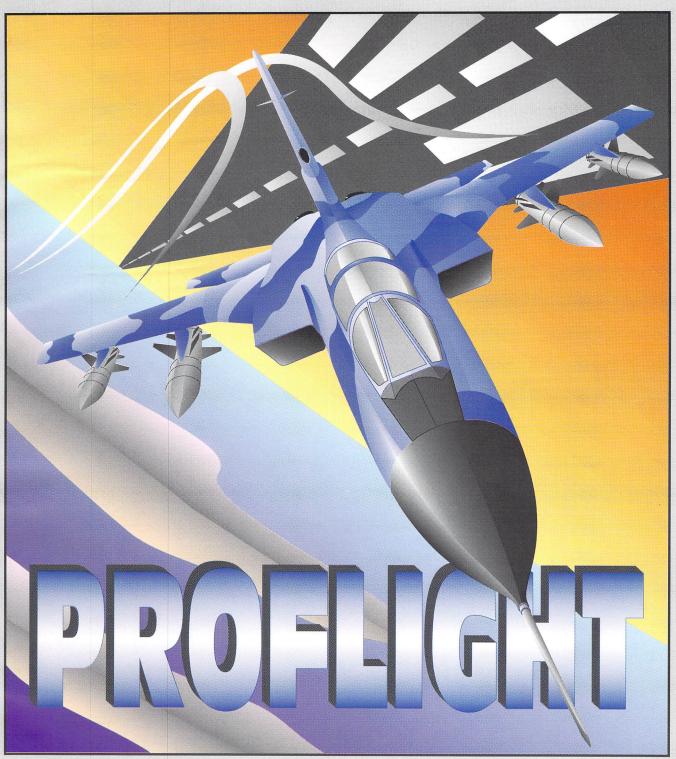
#### COMING RIGHT AT YOU NEXT MONTH

Given the go-ahead by flight control and first off the runway for next month's mag is our feature on flight simulators. All the latest flight sims have been tested, and you'll have the chance to win a copy of Proflight.

Then, if that's not enough, there's a feature on desktop publishing, 19 pages of games reviews, games news and tips, the latest news on the ST scene, and reviews: Calligrapher, That's Pixel, Ram Upgrades, and more. There are two pages of MIDI and music, a new section in Aspects on education, a Masterclass on – no, if we tell you everything now, there'll be no surprises left.

The CoverDisk won't have any surprises on it though - well, no nasty little green goblinish ones.

## The Tornado Flight Simulator for your Atari ST



HiSoft is delighted to announce, at last!, the immediate availability of ProFlight.

ProFlight; a supremely accurate simulation of the Panavia Tornado military aircraft, a plane that is the fastest aircraft in the world at ground level (Mach 1.2) and one of the fastest at any level (Mach 2.2) with advanced swing-wing technology that gives it a truly multi-role capability. ProFlight uses complex and exact flight equations that allow you to fly this powerful fighter just like its pilots.

Everything is there ... you can fly peaceful reconaissance missions or roar into full attack with cannons, bombs, heat-seeking Sidewinder and radar-guided Sky Flash missiles.

ProFlight comes complete with a professional 170-page, ring-bound flight manual which details every aspect of flying this exciting aircraft together with a pull-out specification sheet of the Tornado.

ProFlight is available from all good computer stores and costs only £39.95 inclusive (UK only); if you have difficulty locating your copy, please call HiSoft on 0525 718181 and ask to speak to Julie.



The Old School, Greenfield Bedford MK45 5DE UK

Tel: +44 525 718181 Fax: +44 525 713716



THIS TIME THEY'RE OUT TO GET HIM!

RETRACE THE STEPS OF DICK TRACY, THE WORLD

> FAMOUS COMIC STRIP DETECTIVE. IN THIS SUPERB COMPUTER CONVERSION OF THE BLOCK BUSTER MOVIE.

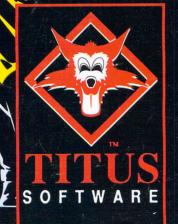
It's time to take on the mob which has sworn to get you! Grab that famous hat and coat and hit the streets in search of Big Boy Caprice and his gang. But watch out for their traps hidden around every corner. Choose your weapon track down the ugly mobsters and brace yourself for the fight

of your life.

THE COMPUTER GAME

- 60 LEVELS OF RED HOT ACTION. STUNNING MOVIE STYLE
- SPECIAL EFFECTS.
- SUPERSMOOTH ANIMATION.
  SUPERB MUSIC INSPIRED BY THE FILM
- REALISTIC FILM AND COMIC STRIP COLOURING.

Developed by:





For more information please call 0268 541212