

Home

An Argus Specialist Publication

Every week: your best buy for software reviews and listings

Computing WEEKLY

No. 71
July 17-23, 1984

45p



MICRODEAL
WIN
Buzzard Bait
Get your claws
into this

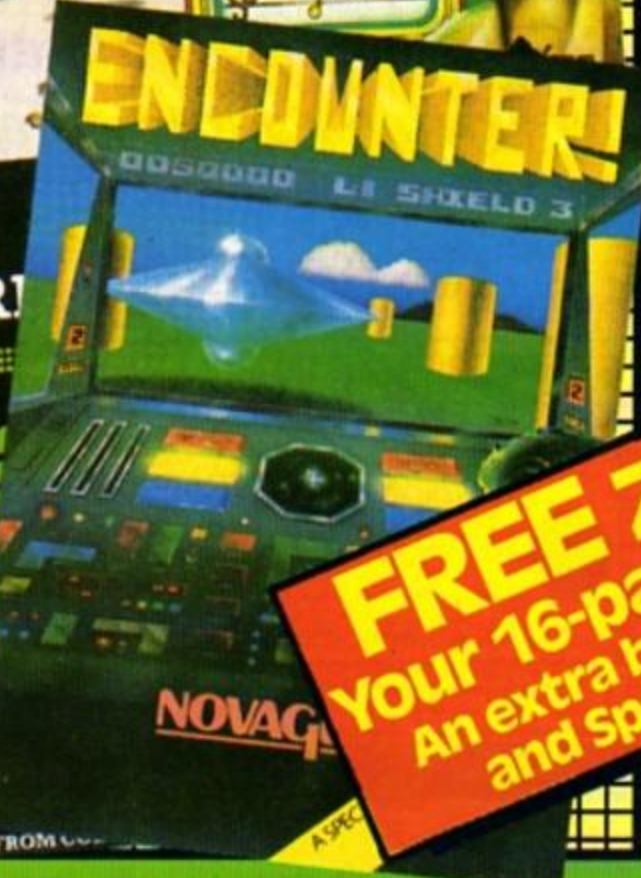
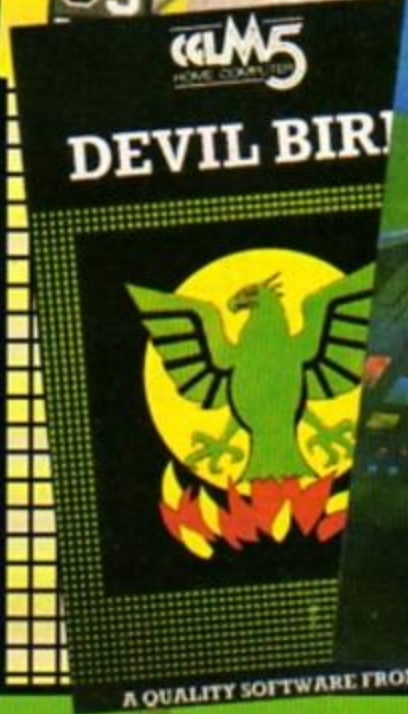
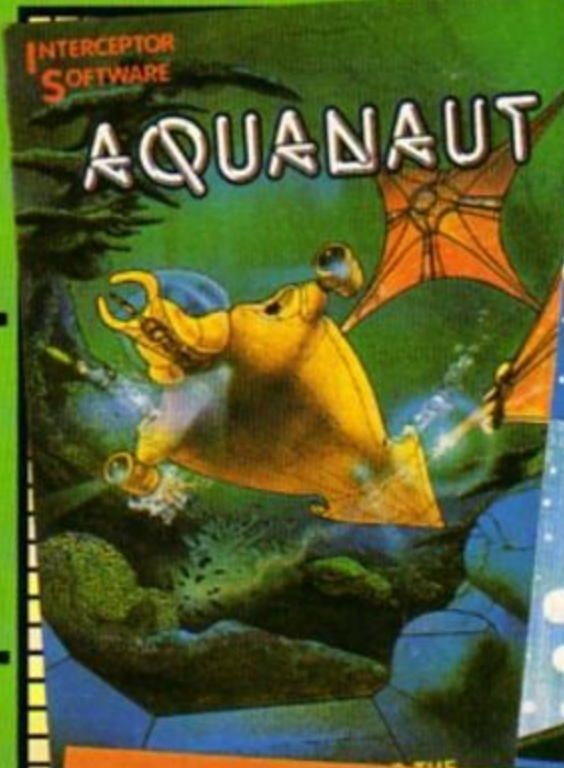
Software
reviews for:
Spectrum,
CBM 64, BBC, Sord,
Memotech,
TI-99/4A

Organize your life
with your CBM 64

Give your brain
a rest
Dragon
teaching aid

Save the
universe!
Oric/Atmos game

Plus:
news, your
letters, latest
software charts



New moves at Imagine

Bitterness surrounds moves by Imagine's bosses to switch some of the company's assets into a new firm called Finchspeer. Operations director Bruce Everiss, along with his secretary wife Kathy, resigned after hearing that founders Dave Lawson and Mark Butler had decided on the transfer. Mr Lawson and Imagine's financial director Ian Hetherington visited Los Angeles, apparently unknown to the staff, reportedly to raise money for Finchspeer. And there are even rumours that Finchspeer — jointly owned by the three — may move to America. Imagine is said to owe
Continued on page 5

Backing for FAST

Software houses have now set up an anti-piracy group — with backing from technology minister Kenneth Baker. The Federation Against Software Theft has two main objectives:

- To lobby MPs for tighter copyright laws, probably through a Private Members' Bill
- To publicise the protection available under current law, as well as making piracy socially unacceptable.

FAST believes that software theft is costing the industry at least £150m a year, which could
Continued on page 5

FREE ZX USER
Your 16-page magazine
An extra bonus for all ZX81
and spectrum owners

INTERCEPTOR MICRO'S LTD

Can you write high quality original machine code games with excellent graphics, if so we are offering outright payment or the best Royalty deal. Also authors are required to convert our latest CBM 64 games for other popular home computers. If you feel you fit the bill you could join Interceptor along with world acclaimed games authors, Ian Gray Andrew Challis and Lee (Valentino) Braine.

INTERCEPTOR MICROS

Lindon House, The Green, Tadley, Hants.

TEL: (07356) 71145 / 3711.

All enquiries are in the strictest confidence.

**BUY THIS SPACE
TO ADVERTISE YOUR
LATEST PRODUCTS!**
Ring John or Stuart
on
01-437 0626. NOW!

Home Computing WEEKLY

**BUY THIS SPACE
TO ADVERTISE YOUR
LATEST PRODUCTS!**
Ring John or Stuart
on
01-437 0626. NOW!

REGULARS

News	5
Microdeal competition	15
100 copies of Buzzard Bait to be won in this week's spot the difference	
Letters	39
Your chance to air your views. Get on your soapbox and start spouting	
Software charts	42
Find out what's top of the pops in both arcade and non-arcade software. We give you a break-down by computer, too	
Classified ads start on	43

PROGRAMS

Dragon 32 program	12
Stop slaving over a hot text book — use your micro to help you learn	
Commodore 64 programs	33
Part 1 shows you how to print labels for everything — get organized!	
Oric/Atmos program	40
Deter alien attack on planet Earth — and save the universe!	

HOME COMPUTING WEEKLY
BRITAIN'S BRIGHTEST

SOFTWARE REVIEWS

Great or grotty?	10
A broad mixture of games and machines. Read before you buy	
Texas: the state of the stars	16
A treat's in store for all TI-99/4A owners	
Games for hard-line addicts	38
Commodore 64 games which will keep you glued to your set	



ZX USER

Another FREE magazine for all Spectrum and ZX81 users. Here's what's in store for you:

- Spectrum software reviews — the hot news
- Don't get in a tangle in our fun game
- Play bowls on the village green
- Gamble on the luck of the draw
- Save injured passengers after a train crash

For further details look at the contents on page three of your 16-page ZX User

Editor:
Paul Liprot
Assistant Editor:
Liz Graham
Designer:
Bryan Pitchford

Managing Editor:
Ron Harris
Group Editor
Elspeth Joiner

Advertisement Manager:
John Quinn
Assistant Advertisement Manager:
Stuart Shield

Divisional Advertisement Manager:
Coleen Pimm
Classified Advertising:
Debra Stuppel
Chief Executive
Jim Connell

Argus Specialist Publications Ltd.
No.1 Golden Square, London W1R 3AB. 01-437 0626

Home Computing Weekly is published on Tuesdays. Subscriptions and back issues: Infonet Ltd, 10-13 Times House, 179 Marlowes, Hemel Hempstead, Herts HP1 1BB. Trade distribution: Argus Press Sales and Distribution Ltd, 12-14 Paul Street, London EC2A 4JS. 01-247 8233. Printed by Alabaster Passmore & Sons, Ltd, of London and Maidstone, Kent. Design and origination: MM Design, Circus House, 26 Little Portland Street, London W1N 5AF

PREPARE FOR A TEST
OF ENDURANCE...

GAMES
GAMES

...an Olympiad spectacular from
Software STUDIOS

FAST*From front page*

be ploughed back into improved products.

Members of FAST include some of the biggest names in both business and home computer software, plus several trade associations.

The chairman is Donald Maclean, deputy chairman of Thorn EMI Video. He said: "Software theft is a major threat to the whole computer using community. It is in everyone's interest that this problem is tackled now."

FAST's management group includes Nick Alexander, managing director of Virgin Games, and chairman of the Guild of Software Houses.

Welcoming FAST's formation, Mr Baker said: "The software industry is a very important and quickly-growing sector of the British economy."

"It is already a major contributor to national wealth and employment in this country, and it is essential that it should be in a position to protect itself against unlawful copying."

He went on to offer support and encouragement to FAST. *Federation Against Software Theft, Chancery House, Chancery Lane, London WC2A 1QU*



Donald MacLean,
chairman of FAST

Imagine*From front page*

£400,000, including £100,000 to a bank and £250,000 to Marshall Cavendish, due to be repaid after an abortive programing deal where software was to be given away with a partwork.

Staff at Imagine say that Finchspeed is taking over the company's 'megagames', boxed sets called Bandersnatch and Psyclapse. Imagine would get 50 per cent of the profits.

Finchspeed is also said to be buying £43,000-worth of equipment from Imagine, with a 10 per cent deposit.

Rights in Imagine's other games, including two unreleased titles, have already been sold.

Finchspeed is also believed to be offering jobs to 20 of Imagine's 71 staff.

Mr Lawson and Mr Butler both own 45 per cent of Imagine and the remaining 10 per cent is held by Steve Blower, boss of the now-defunct Studio Sting, said Mr Blower. Until its collapse, Studio Sting did much of Imagine's artwork.

The three met to discuss the transfer and, said Mr Blower,

he was the only one of the three to vote against the plan.

Two days later Imagine staff were given a memo telling them not to worry — as employees they were preferential creditors and would get their money.

Meanwhile, Mr Blower said he was taking legal action to be freed as one of the guarantors of Imagine's overdraft.

Mr Blower blames lack of business acumen for the situation and said he doubted if Imagine's creditors would support the Finchspeed plans.

Mr Everiss spoke more strongly, saying he only found out about the plan by chance and claiming that he was deliberately excluded.

But Imagine's technical manager, Andrew Sinclair, said: "As far as I was told, and I've known Bruce for a long time, there were professional and operational differences, as a result of which he resigned."

Mike Crofton, who was Imagine's media manager, said: "I think it's a very sad thing. I'm personally grieved because I think the company had a good future."

He said he believed some management decisions had been wrong and that piracy had also taken its toll.

**It's
Kidd's play**

Eddie Kidd holds the world record for his daring bike jumps — he's cleared 14 double-decker buses, a distance of 190 feet. Now he's endorsing a computer game which challenges you to match his exploits.

Martech is the company working on this project, and details of the Eddie Kidd game, Jump Challenge, are being kept a secret. You'll have to equal Eddie's skill, timing and control as you leap over increasingly difficult obstacles. However, there's one reassurance — at least your life isn't at stake, unlike Eddie's astounding jumps, so even the yellowest of cowards among you can be successes.

Jump Challenge is due for release in August, for the Commodore 64 and 48K Spectrum to begin with. A national competition will serve as an extra challenge. Eddie Kidd will be helping promote the game and making personal appearances on the Martech stand at several computer fairs.

Martech, Martech Hse, Bay Terrace, Pevensy Bay, E Sussex BN24 6EE

**Help with
bank balance**

Keep a record of all your expenditure, with Money Manager, from Creative Sparks. A budgeting routine helps you plan your finances and there are seven different methods for cash analysis and interest calculation.

The program runs on the 48K Spectrum and costs £6.95. Creative Sparks is Thorn EMI's range of home entertainment software.

Creative Sparks, Thomson Hse, 296 Farnborough Rd, Farnborough, Hants

**Software
houses
merger**

Mastertronic has joined forces with Galactic to form a new company which will be known as AI Products. Mastertronic is the games company which has hit the headlines through selling its games at the slashed price of £1.99.

The reasons Mastertronic give for this joint venture are to secure a continuing source of software and to broaden the

base of the operation beyond games.

AI Products intends to widen its horizons by including business and educational software. Games will be in the minority. Said Martin Alper, director: "You can expect to see budget ranges of business and educational software on the market by early autumn."

"We want to prove that top quality programming can be achieved at a fraction of the current market prices," he continued.

Mastertronic claims to have sold over a third of a million games since its launch on 2nd April.

Mastertronic, 48 George St, London W1 HSRF

**Ocean's
away with
new games**

Ocean is due to release High Noon in August. This is a 3D wild-west drama. Shades of old Clint Eastwood movies linger on in this game; one of the characters is Rigor Mortis, the creepy undertaker, who loiters around waiting for business. A Commodore 64 version is scheduled for release in August, followed by a Spectrum version in September.

Also from Ocean in July: Stuntbike and Jonny and the Jimmys, for CBM 64. Jonny and the Jimmys (£6.90) is a two-game package, with the hero of the game being our Jonny. Side one is a battle with witches and side two involves Jonny feeding his dog and running through a maze.

Ocean, 6 Central St, Manchester M2 5NS

**Thieves nab
tapes**

PSS has been having trouble with burglars recently. PSS premises in Coventry were broken into and three unreleased computer games tapes and six master discs were stolen, as well as a computer.

Managing director Gary Mays said: "It smells very much of a black market operation. They knew what they were looking for. I find it very suspicious."

Mr Mays blamed the thefts on software pirates who copy tapes and sell them on the black market at reduced rates. "It could be crippling for a firm such as ours," he said. "It takes us at least three months to develop new games and our loss could be as high as £10,000."

SUPER SAVERS

	OUR R.R.P.	PRICE	COMMODORE 64	OUR R.R.P.	PRICE
SPECTRUM			FLIGHT SIMULATOR	£9.95	£8.70
OMEGA RUN	£7.95	£6.95	OMEGA RUN	£7.95	£6.95
GLUG GLUG	£5.95	£5.20	BUMPING BUGGIES	£6.99	£6.15
OLYMPICS	£5.95	£5.20	FLYING FEATHERS	£6.99	£6.15
JUNGLE FEVER	£6.90	£6.10	WHEELIN WALLY	£7.00	£6.15
SKULL	£6.95	£6.15	CHINA MINER	£7.00	£6.15
BARRELDROP	£5.95	£5.20	GET OFF MY GARDEN	£7.00	£6.15
CHUCKIE EGG	£7.90	£6.95	BURGER TIME	£7.00	£6.15
KAMAKAZI	£6.90	£6.10	FABULOUS WANDA	£7.95	£6.95
BLADE ALLEY	£5.95	£5.20	CHUCKIE EGG	£7.90	£6.95
LIGHT CYCLE	£5.95	£5.20	SPACE PILOT	£7.95	£6.95
KONG	£5.95	£5.20	FLIGHT PATH 737	£7.95	£6.95
SLAP DAB	£5.95	£5.20	CYBOTHRON	£7.95	£6.95
MOON BUGGY	£5.95	£5.20			

VIC 20					
SLAP DAB	£5.95	£5.20	BONGO	£7.95	£6.95
DOTHAN	£5.95	£5.20	SKRAMBLE	£7.95	£6.95
FALCON FIGHTERS	£5.95	£5.20	THE PITZ	£6.00	£5.25
FROG RUN	£5.95	£5.20	THE DUNGEONS	£5.95	£5.20

POST & PACKING FREE
SEND CHEQUES/P.O. TO:

FOR COMPREHENSIVE CATALOGUE
SEND S.A.E. TO:

ACCESS WELCOME

**LAWTON
LIMITED**

16 COATES CLOSE
BRIGHTON HILL
BASINGSTOKE RG22 4FE
TEL: 0256-51444

PiKaDee Software FOR THE UNEXPANDED TI-99/4A

PKD1: GRAPHICS CREATOR & SCREEN EDITOR £5.95

This highly praised utility program makes the creation of graphics and large screen layouts quick and simple. Commands include MIRROR, ROTATE, INVERT and many more. HCW No. 54 said "A Must For all TI Owners"... Instructions 100% Ease of Use 95% Display 95% Value for money 95%. Price includes full instructions and 3 sets of demographics.

PKD2: MUSIC MAKER by David Martin ★ ★ ★ ★ ★
TI-LUDO by Roy Hollingworth
CHARSET ONE (BOLD) £5.95

Three high-quality programs on one tape. MUSIC MAKER is a novel way to play with TI's sound. Notes are entered onto 2 musical staves and can then be edited in different ways. They can be played back with 1, 2 or 3 voices or with an echo. Many commands. Full instructions and demonstration tune included. TI-LUDO is a classic version of the classic board game. You can play your friends and/or the computer. 1 to 4 players can take part. CHARSET ONE (BOLD) is a complete ready-to-use character set which will enhance your own programs 100%.

PKD3: RIVETS! by John Haworth
CHARSET TWO (PICA) £4.95

Arcade action with Rivets! You have to pick up all of the rivets left lying around by your workmates. The boss is timing you so you had better be quick. Beware the banana skins and don't run too quick as it's a long way down to the ground. 5 skill levels. 21 floors. Timer. "This is a must for all game players." CHARSET TWO (PICA) is the second off-the-shelf character set for your own games. Instructions included.

PKD4: ESCAPE FROM MICA! by B Dhooper £4.95

This has to be the most addictive arcade game yet for your unex-TI-99/4A! You've been captured by the Count of Mica. To secure your release you have to collect valuable items from 3 fields. These fields are guarded by a terrifying monster who eats people like you for dinner!!! The Count has given you 4 Hyperspace pills — use them wisely. This is a very entertaining game with 4 skill levels, animated running, good graphics, sound and a High-Score table. Not to be missed!

All cheques, PO's etc... to **PiKaDee Software**
35 Parker St PRESTON
Lancs PR22AH

KFT MARKETING
REGENT WORKS
REGENT STREET
KIMBERLEY
NOTTINGHAM

TEL 0602 383931



MILES BETTER SOFTWARE

221 Cannock Road, Chadsmoor Cannock, Staffs WS11 2DD
TEL 05435 3577

U.S. GOLD SOFTWARE

	CASS	DISC
Beach Head	£ 9.00	12.00
Solo Flight	£14.00	14.00
Dallas Quest	£	12.00
Bruce Lee	£ 9.00	12.00
Aztec Challenge	£ 8.00	12.00
Forbidden Forest	£ 8.00	12.00
Pooyan	£ 9.00	12.00
O'Riley's Mine	£ 9.00	12.00
Slinky	£ 8.00	12.00
Caven of Khafka	£ 8.00	12.00

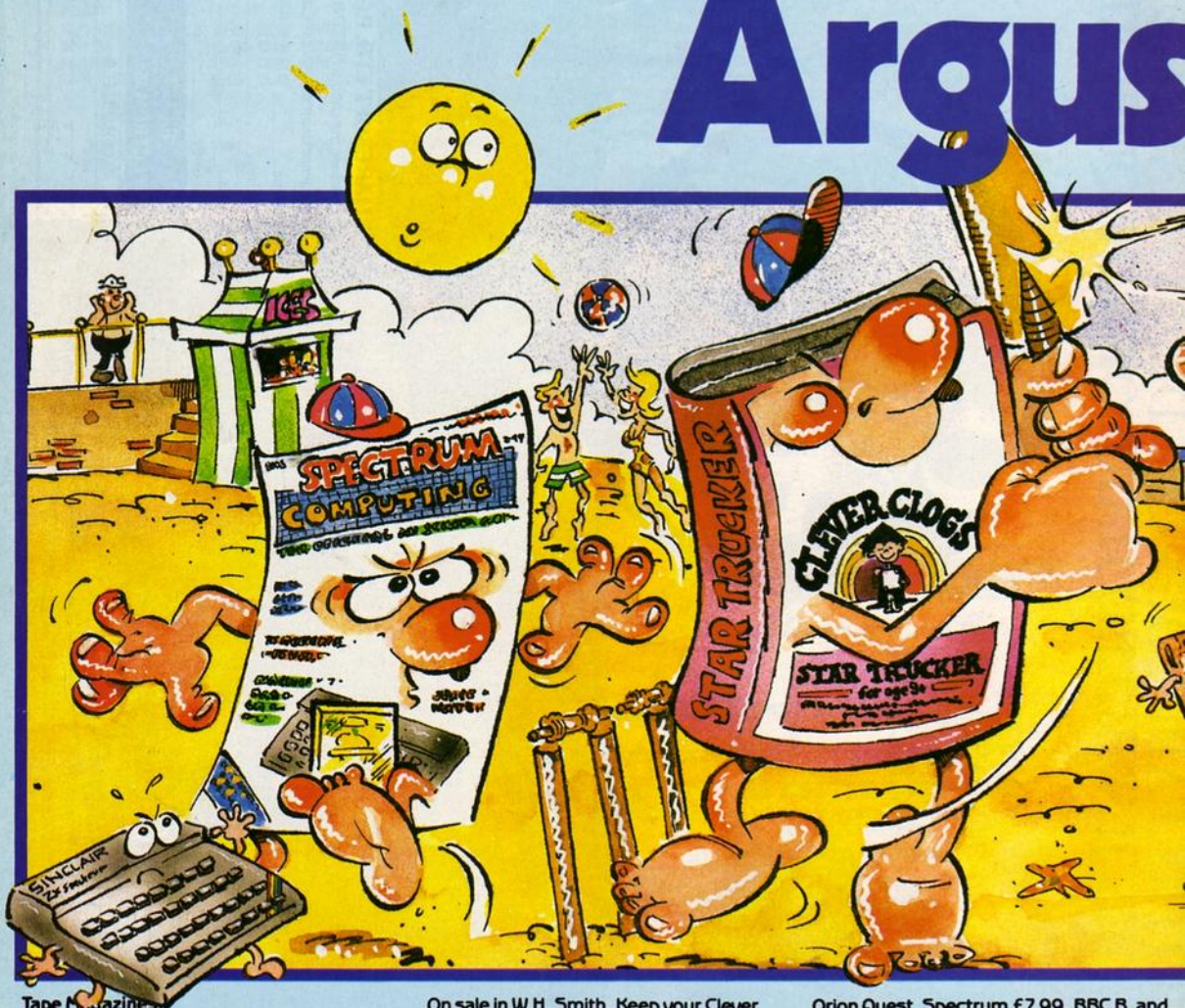
64 HARDWARE

1541 DISC DRIVES	£199.00
1520 PRINTER-PLOTTER	£ 99.00

64 Accelerator Load and Save
10 times normal cassette speed only £6.95

Phone for software list for the 64
Coming soon: **Firefox** — a 3D Scramble for the 64

9 Out of 10 said they Argus



Tape Magazines
Great games, great utilities all for only £3.99. Available for Spectrum, Atari, Vic 20, BBC B, and CBM 64 through W.H. Smith, Menzies and computer stores.
Really use your computer this summer.

Clever Clogs
8 great fun games for whizzkids. Change the difficulty with data packs on Science, The Arts & General Knowledge.

On sale in W.H. Smith. Keep your Clever Clogs busy all summer long! Available for Spectrum at £6.95.

Mind Games:
Recently launched, the new name in quality strategy and adventure games. Top writers and programmers open the door to the world of imagination and fantasy.
Have an adventure this summer with Star Force Seven, Quest for Eternity, and

Orion Quest. Spectrum £7.99, BBC B, and CBM 64 £9.99.

Fall of Rome
Five million barbarians, an army of two of Persians, several thousand upset Armenians, fifty legions of itinerant Italians. . . . and you!
Have a holiday at home and save civilisation. Available for Atari, BBC B, Spectrum & Commodore 64.

Computers* preferred Software



The House for Heroes!

The Game Lords join the Argus Press team. Consistently in the top ten with great games like Ant Attack, Boogaboo, Fred, Mined Out and Snowman. Prices from £4.95 to £7.95. Available from W.H. Smith, Boots and Menzies and leading Computer Stores worldwide.

Devil Bird Unexpanded Sord M5 £5.95

CGL, CGL Hse, Goldings Hill,
Loughton, Essex IG10 2RR

According to the inlay card, you are attacked by the Devil Bird. You can fight back by firing your laser gun at it.

In fact, in this 100 per cent BASIC game, the Devil Bird is a randomly moving sprite and your ship is the traditional laterally moving base. Since there is only one Devil Bird on the screen at once, it moves swiftly, although very jerkily. The base responds very slowly and so you feel frustrated as you desperately try to dodge the deadly ray. When you blast five Devil Birds, you go on to the next screen to meet another

bunch. The best I managed was three, due to the slow control responses.

Screen layout is good and sprites are well defined. However, the incredibly powerful graphics and sound capabilities of the Sord cannot be fully exploited by the rather simple BASIC-I and this fact becomes painfully obvious in this game, which attempts to emulate an arcade game. As it is totally unprotected, you might like to study how it's written, but at £5.95, I can't recommend it very highly. S.S.

instructions	50%
playability	60%
graphics	60%
value for money	50%



Brainstorm 32K BBC £7.95

Virgin Games, 61/63 Portobello
Rd, London W11 3DD

Brainstorm is a unique game designed to test the skill, logic, memory and nerve of the two opponents. The idea is to fire a laser beam directly into your opponent's brain. This may not sound too taxing but the laser beam is directed by altering the deflection factors of your prisms. Complicated, eh? Once you've mastered the maths the game itself is very interesting.

Players take it in turn to position their prisms, to which they give a deflection factor. The direction in which the laser is travelling before it hits the prism

will decide which direction it leaves.

Once you have positioned your prism and set the deflection factor the laser is fired. It will hit 25 prisms before running out of power, although it is more likely to leave the screen or hit a brain first.

Brainstorm can be put on a parallel with chess and must be just as, if not more, complicated. I wouldn't recommend it for children but it's great for a game which needs thought. D.B.

instructions	85%
playability	60%
graphics	90%
value for money	80%



Tales of the Arabian Knights CBM 64 £7

Interceptor Micros, Lindon Hse,
The Green, Tadley, Hants

At one time computer games were limited to text displays. Then came graphics and later music. Interceptor is going one step further by including speech in its programs.

The game is based upon getting your man through a series of screens and surviving the obstacles blocking your way such as genies, crocodiles and barrels. Players of Krazy Kong should find it exciting. Excellent graphics although your playing man lacks detail.

Music plays continually through the game. The tune has been implemented well and complements the game. I hope more companies will try to attain the standards of sound achieved in this game.

Before you start one of the screens a small description of your task is displayed. The computer also tells you this out of the TV speaker. No extra hardware is required; it is all created through good software. Although the voice sounds rather like grandad with a sore throat, it's quite understandable.

The program comes with its own fast loading system which I didn't find very reliable and sometimes took two or three goes to load the game.)K.I.

instructions	30%
playability	90%
graphics	90%
value for money	85%



Great or grotty? Read our reviews

You'll find software reviews
for all popular micros in HCW.
Here's a selection for the Sord
M5, Memotech, BBC and Com-
modore 64

Reversi Memotech MTX £7.95

Continental Software, Station
Lane, Witney, Oxon

Reversi is a computerised version of the board game Othello, in which two players take turns to place coloured counters on a checker board. The aim is to bracket the other player's counters with your own, isolating a line of captured counters which change colour and join your side. The winner has the most counters of his or her colour when the board becomes full.

Simple though the idea is, Reversi is an addictive strategy game and a popular subject for computerisation. This excellent program offers four levels of play against a human opponent,

giving a range of response times between one second and 10 minutes. At the third level the Memotech plays a good game, responding in about 25 seconds. A beep sounds when the computer has finished thinking. Invalid moves are not allowed.

Reversi uses a clear and attractive typeface. At any point in a game you may quit or call up detailed instructions, change the colour scheme, or use a 'hint' facility which suggests your next move. Reversi is well-written, beautifully presented, but the price is perhaps a little excessive. S.N.G.

instructions	95%
playability	95%
graphics	95%
value for money	80%



Where's my bones? CBM 64 £7

Interceptor Micros, Lindon Hse,
The Green, Tadley, Hants

The title sounds interesting and no doubt will persuade a few people to buy copies. Admittedly the screen displays look quite good. However there is a complete lack of lasting interest and skill. I used to think computer games were fun — not an endurance test.

The object is to move your ghost around a maze which scrolls up the screen as you move down. Precision is required because one or two pixels make all the difference. There is no fast action, you simply tap the joystick to get to the correct position and then time your movement with a couple of missiles or blocks.

The graphics come in two different styles; rocky and brick walls. Each level contains a maze made out of one type of background and either missiles or moving blocks bar your way.

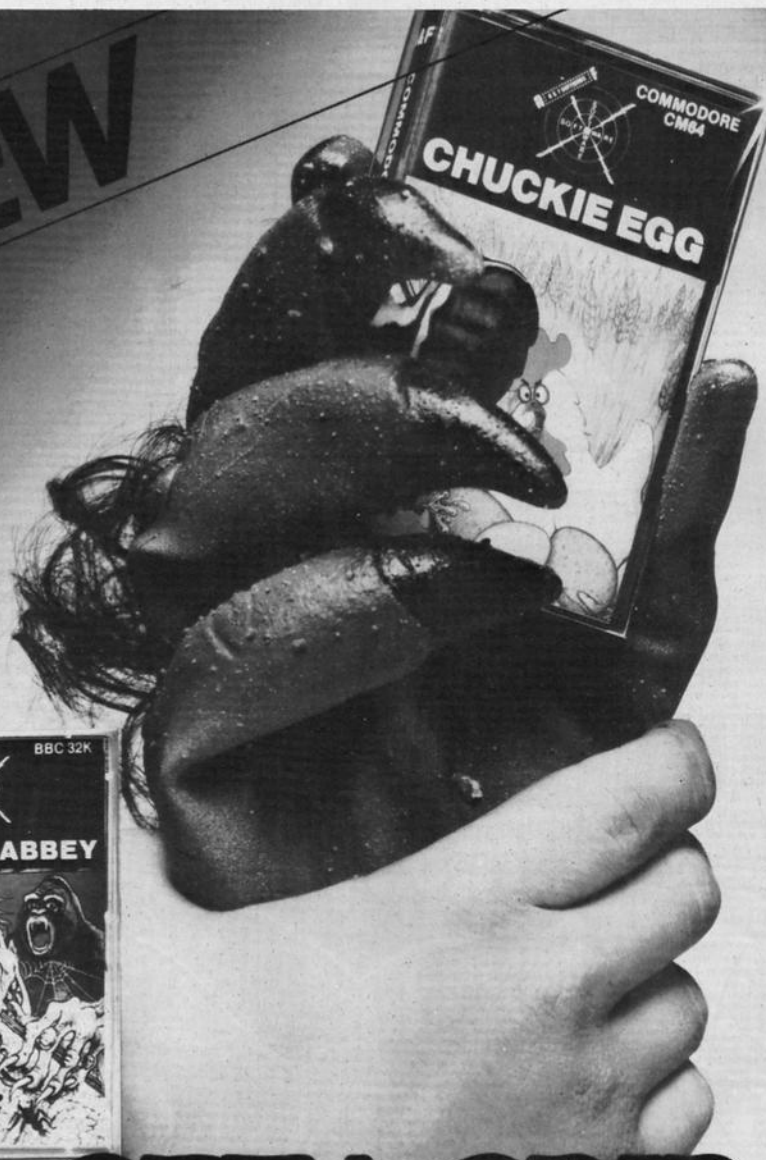
As you move, various demons appear. You can shoot them or smash into them, but you lose a shield each time you touch a demon.

Loading problems were encountered from time to time. I blame the fast loading system for this.)K.I.

instructions	10%
playability	25%
graphics	75%
value for money	50%



NEW



GET A GRIP OF A&F SOFTWARE

*Commodore CM64
Chuckie Egg
BBC 32K Haunted Abbey*

AVAILABLE FROM ALL GOOD
COMPUTER SHOPS

John Menzies



Selected
Stores

	CM64	BBC	ELECTRON	DRAGON	SPECTRUM
CHUCKIE EGG	£7.90	£7.90	£7.90	£7.90	£6.90
CYLON ATTACK		£7.90	£7.90		
HAUNTED ABBEY		£6.90			
PHARAOH'S TOMB		£7.90	£7.90		



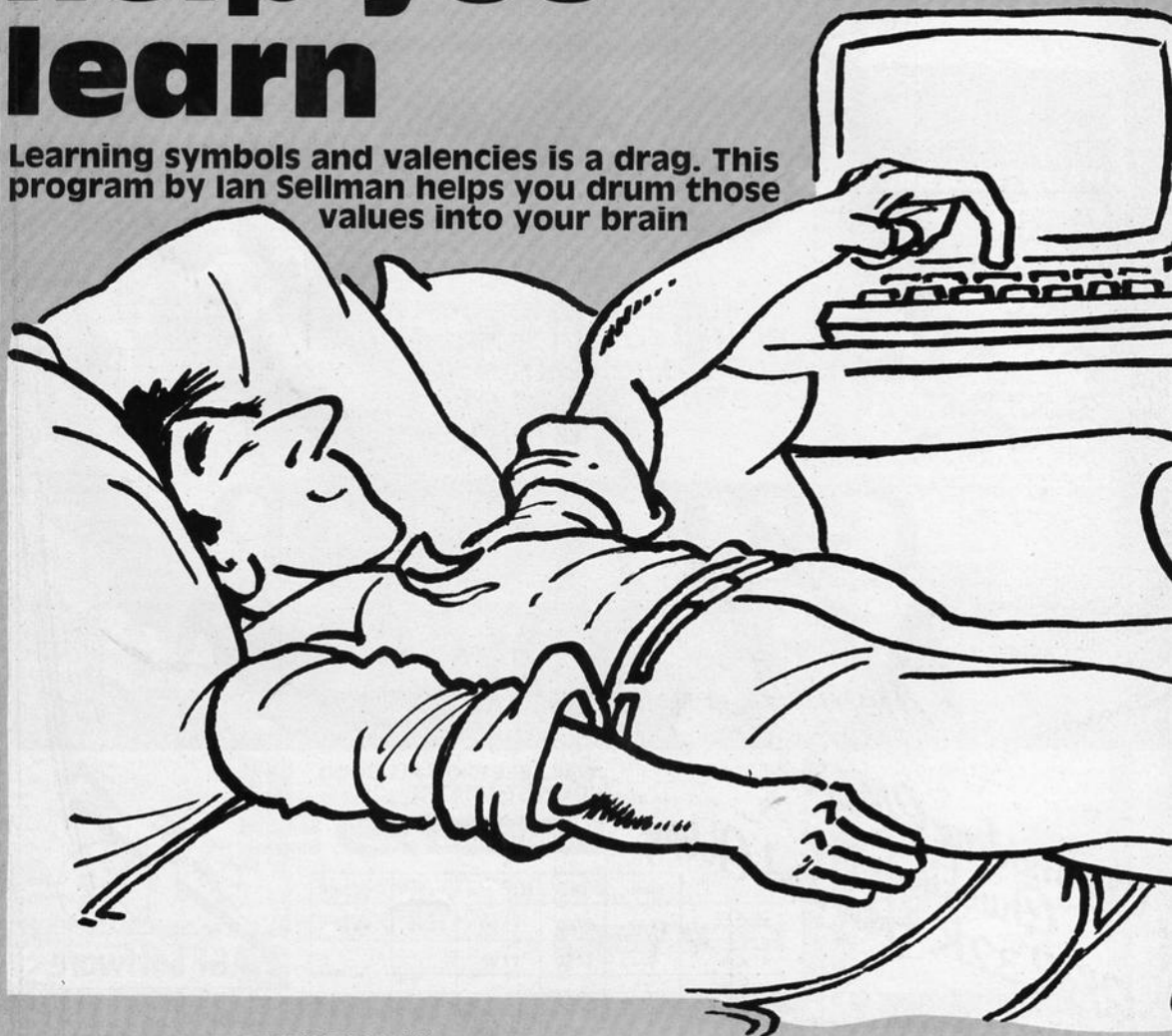
Unit 8, Canalside Industrial Estate,
Woodbine Street East, Rochdale, Lancs.
OL16 5LB. Tel: 0706 341111

Sold subject to A&F Software Ltd.
Full terms and conditions available on request

Give your brain a rest — use your micro to help you learn

How it works
10-180 DIM arrays, read DATA into a string
190-350 menu to choose to learn or be tested
360-500 print out a list of symbols and valencies to be learned
510-620 print a list of the symbols to a printer
630-790 set up screen for S & V test. Screen is divided into sections by block graphics.
800-970 ask symbol and valency of a substance
980-1050 clear the previous question and answer, jump back for next question
1060-1310 list wrong answers to screen
1320-1500 list wrong answers to printer
1510-1630 input answers. The BASIC command INPUT tends to destroy graphics on screen if used, as it has a carriage return at the end.
1640-2060 data statements which hold the substances

Learning symbols and valencies is a drag. This program by Ian Sellman helps you drum those values into your brain



PROGRAM

As you no doubt know, learning symbols and valencies of certain substances is a fundamental part of most science courses.

It can be quite a difficult task to learn these values off by heart, but don't give up in despair. Here's a Dragon 32 program which will help you overcome this problem.

The program gives a list of substances to screen or printer. You settle down to committing these values to memory, then when you are confident, the program tests you. At the end of the test you are provided

Variables

AS(60,3) holds all data on substances
BS(31) used to record which questions have been asked, if they were answered correctly
A used in FOR... NEXT loops
C holds number of correct answers
R holds random question number
X holds x co-ordinate when setting up screen
Y holds y co-ordinate when setting up screen
AS used with INPUT and INKEY\$ statements.

Hints on conversion

This program should RUN as it stands on the Tandy 32K colour computer. If you wish to convert it to any other computer here are some of the Dragon's commands:

CLEAR clears string space
ON GOSUB multiple branch statement
PRINT # -2 prints out to a printer
SET(X,Y,C) sets a point on the text screen to colour C. The resolution is 64*32.
PRINT @X prints at the point X on the text screen. The screen has 512 letters and is made up of 16 rows of 32 characters.

The rest of the commands are fairly standard to most BASICS.

with a list of the questions you answered wrongly. You can also see a running total of your score, to see what improvements you have made.

The 31 substances included in this program are the common ones. If you wish to amend the program, add more data and change lines 140, 150, 160, 390, 560, 800, 830, 1170 and 1380.

Good luck with your revision!

```

10 REM *****
20 REM *
30 REM *
40 REM * SYMBOLS AND VALENCY *
50 REM *
60 REM * TEST *
70 REM *
80 REM * BY IAN SELLMAN *
90 REM *
100 REM*
110 REM*****
120 CLS
130 CLEAR 500
140 DIM A$(60,3)
150 DIM B(31)
160 FOR A=1 TO 31
170 READ A$(A,1),A$(A,2),A$(A,3)
180 NEXT A
190 PRINTTAB(3);"SYMBOLS AND VALENCY TEST"
200 PRINTTAB(3);"*****"
210 PRINT:PRINT
220 T=6
    
```

```

230 PRINTTAB(T);"1] LIST S & V'S"
240 PRINT
250 PRINTTAB(T);"2] PRINT S & V'S"
260 PRINT
270 PRINTTAB(T);"3] TEST S & V"
280 PRINT
290 PRINTTAB(T);"4] END"
300 PRINT@422,"ENTER CHOICE> ";
310 A$=INKEY$
320 IF A$="4" THEN CLS:END
330 IF A$=" " OR A$<"1" OR A$>"3" THEN 310
340 ON VAL(A$) GOSUB 360,510,630
350 GOTO 120
360 REM *****
370 REM * LIST S&V *
380 REM *****
390 FOR A=0 TO 2
400 CLS
410 PRINT" SUBSTANCE";TAB(18);"SYMBOL";TAB(25);"VALENCY"
420 FOR B=A*11 TO (A+1)*11-1
430 PRINTA$(B,1);
440 PRINTTAB(20);A$(B,2);
450 PRINT TAB(28);A$(B,3)
460 NEXT B
470 PRINT@482,"PRESS A KEY TO CONTINUE> ";
480 IF INKEY$="" THEN 480
490 NEXT A
500 RETURN
510 REM *****
520 REM * PRINT S & V *
530 REM *****
540 PRINT@-2;"SUBSTANCE";TAB(20);"SYMBOL";TAB(28);"VALENCY"
550 PRINT@-2;" "
560 FOR A=1 TO 31
570 PRINT@-2,A$(A,1);TAB(22);A$(A,2);TAB(31);A$(A,3)
580 NEXT A
590 PRINT@-2;" "
600 PRINT@-2;" "
610 PRINT@-2;" "
620 RETURN
630 REM *****
640 REM * TEST S & V *
650 REM *****
660 CLS
670 FOR X=0 TO 63
680 SET (X,0,4)
690 SET (X,31,4)
700 SET (X,4,4)
710 SET (X,8,4)
720 SET (X,12,4)
730 SET (X,16,4)
740 SET (X,20,4)
750 NEXT X
760 FOR Y=0 TO 31
770 SET (0,Y,4)
780 SET (63,Y,4)
790 NEXT Y
800 FOR A=1 TO 31
810 PRINT@34,"QUESTION NUMBER> ";A;
820 PRINT@98,"NUMBER CORRECT> ";C;
830 R=RND(31)
840 IF B(R)<0 THEN 830
850 PRINT@162,"SUBSTANCE> ";LEFT$(A$(R,1)+STRING$(18,"
"),18);
860 PRINT@354,"ENTER SYMBOL> ";
870 GOSUB 1510
880 PRINT@226,"SYMBOL> ";A$(R,2);
890 IF B$(A$(R,2)) THEN PRINT@247,"correct"; ELSE PRINT@
247,"wrong";:B(R)=2:GOTO960
900 PRINT@386,"ENTER VALENCY> ";
910 GOSUB 1510
920 PRINT@290,"VALENCY> ";A$(R,3);
930 IF B$(A$(R,3)) THEN PRINT@311,"correct"; ELSE PRINT@
311,"wrong";:B(R)=2:B(R)=2:GOTO 960
940 C=C+1
950 B(R)=1
960 PRINT@450,"PRESS A KEY TO CONTINUE> ";
970 A$=INKEY$
980 IF A$="" THEN970
990 A$=STRING$(29," ")
1000 PRINT@354,A$;
1010 PRINT@226,A$;
1020 PRINT@290,A$;
1030 PRINT@450,A$;
1040 PRINT@386,A$;
1050 NEXT A
1060 CLS
1070 INPUT " DO YOU HAVE A PRINTER (Y/N)";A$
1080 IF A$="Y" THEN 1330
1090 REM *****
1100 REM * WRITE WRONG *
1110 REM *****
1120 B=1
1130 CLS
1140 PRINT" SUBSTANCE";
    
```

DRAGON 32 PROGRAM

```

1150 PRINT TAB(18);"SYMBOL";
1160 PRINTTAB(25);"VALANCY"
1170 FOR A=1 TO 32
1180 IF B(R)=2 THEN PRINTA*(A,1);TAB(20);A*(A,2);TAB(28)
);A*(A,3);B=B+1
1190 IF B>12 THEN GOSUB 1240
1200 NEXT A
1210 PRINT@400,"PRESS A KEY TO CONTINUE";
1220 IF INKEY#="" THEN 1220
1230 RETURN
1240 PRINT@400,"PRESS A KEY TO CONTINUE";
1250 IF INKEY#="" THEN 1250
1260 B=1
1270 CLS
1280 PRINT "SUBSTANCE";
1290 PRINTTAB(18);"SYMBOL";
1300 PRINTTAB(25);"VALANCY"
1310 RETURN
1320 REM *****
1330 REM * PRINT WRONG *
1340 REM *****
1350 PRINT@-2,"SUBSTANCE";
1360 PRINT@-2,TAB(20);"SYMBOL";
1370 PRINT@-2,TAB(28);"VALANCY"
1380 FOR A=1 TO 31
1390 IF B(A)=2 THEN GOSUB 1450
1400 NEXT A
1410 PRINT@-2,""
1420 PRINT@-2,""
1430 RETURN
1440 REM *****
1450 REM * PRINT OUT SEV *
1460 REM *****
1470 PRINT@-2,A*(A,1);
1480 PRINT@-2,TAB(22);A*(A,2);
1490 PRINT@-2,TAB(30);A*(A,3)
1500 RETURN
1510 REM *****
1520 REM * INPUT ROUTINE *
1530 REM *****
1540 B#=""
1550 A#="INKEY#
1560 IF A#="" THEN 1550
1570 IF A#="CHR$(13)" THEN RETURN
1580 PRINTA#;
1590 IF A#="CHR$(8) AND LEN(B#)>0 THEN B#="LEFT$(B#,LEN(B#)-1)";PRINTA#;GOTO 1540
1600 IF A#="CHR$(8) AND LEN(B#)=0 THEN 1540
1610 B#="B#+A#
1620 IF LEN(B#)>5 THEN RETURN
1630 GOTO 1550
1640 REM *****
1650 REM * VALENCY ONE *
1660 REM *****
1670 DATA HYDROGEN,H,1
1680 DATA LITHIUM,LI,1
1690 DATA SODIUM,NA,1
1700 DATA POTASSIUM,K,1
1710 DATA SILVER,AG,1
1720 DATA CHLORINE,CL,1
1730 DATA BROMINE,BR,1
1740 DATA IODINE,I,1
1750 DATA NITRATE,NO3,1
1760 DATA HYDROGEN CARBONATE,HCO3,1
1770 DATA HYDROGEN SULPHATE,HSO4,1
1780 DATA AMMONIUM,NH4,1
1790 REM *****
1800 REM * VALENCY TWO *
1810 REM *****
1820 DATA MAGNESIUM,MG,2
1830 DATA CALCIUM,CA,2
1840 DATA BARIUM,BA,2
1850 DATA ZINC,ZN,2
1860 DATA NICKEL,NI,2
1870 DATA COPPER,CU,2
1880 DATA TIN,SN,2
1890 DATA MERCURY,HG,2
1900 DATA OXYGEN,O,2
1910 DATA SULPHUR,S,2
1920 DATA SULPHATE,SO4,2
1930 DATA CARBONATE,CO3,2
1940 DATA SULPHITE,SO3,2
1950 DATA HYDROXIDE,OH,2
1960 REM *****
1970 REM * VALENCY THREE *
1980 REM *****
1990 DATA ALUMINIUM,AL,3
2000 DATA IRON,FE,3
2010 DATA NITROGEN,N,3
2020 DATA PHOSPHORUS,P,3
2030 REM *****
2040 REM * VALENCY FOUR *
2050 REM *****
2060 DATA CARBON,C,4

```

TI-99/4A **LANTERN** TI-99/4A

SAVE £ £ £ ££'S ON THESE TI-99/4A GAMES

- | | |
|---|---|
| £ Hunchback Havock (BASIC) £5.95 | £ Daddie's Hot Rod (BASIC) £5.95 |
| £ Arcade action in TI-BASIC! Race with Egor thru four castles and 24 different sheets. Superb graphics and great fun. | £ Drive through sheep fields, woods, over rivers and avoid all obstacles, then pick up hitch-hikers down perilously twisting roads. |
| £ SAVE £! | £ SAVE £! |
| £ The Black Tower (BASIC) £5.95 | £ Builder/Minefield (BASIC) £4.95 |
| £ Unlock the mysteries of the black tower and rescue the Lady Gwen in our latest full 16k adventure. Addictive and entertaining. | £ Two great games in one. Builder, drive a truck, pick up bricks and build a wall but watch the obstacles. Minefield, drive a tank through a minefield while being shelled. |
| £ SAVE £! | £ SAVE £! |
| £ Runner On Treiton (BASIC) £5.95 | £ Battlestar Attack (EXT-BASIC) £6.95 |
| £ You are on the planet Treiton your task is to collect jewels. This semi-text, semi-graphics adventure requires skill and a good memory. | £ Stop the battlesar before it blows up your home planet. A fast game with excellent graphics. HCW said: "even at level one a very addictive game!" |
| £ SAVE £! | £ SAVE £! |

SPECIAL OFFER

You've seen the reviews, you know the quality of Lantern Products. Mention this ad when ordering any of the above games and you will only pay £4.95 per title!

Don't delay — order now! Offer ends 31st July.

Send cheque or P.O. to

LANTERN SOFTWARE,

4 Haffenden Road, Tenterden, Kent TN30 6QD
or SAE for full list. Look out for our products at your TI retailer.

FOR THE BEST TI-99/4A SOFTWARE

Packaged in Audio Wallets

	ADVENTUREMANIA (BASIC) £5.95 NO COMMAND MODULE NEEDED. HCW GAVE THIS FULL GRAPHIC AND TEXT ADVENTURE 4 STARS. CAN YOU DISCOVER THE ULTIMATE QUEST IN THIS SPECTACULAR MISSION. 30 LOCATIONS.
	MANIA (BASIC) £5.95 NO COMMAND MODULE NEEDED. HCW GAVE 5 STARS AND SAID "I WOULD CERTAINLY BUY MANIA". FULLY GRAPHIC AND TEXT. CAN YOU SURVIVE IN MANIA AND ESCAPE TO THE CORRIDORS OF TIME.
	LIONEL AND THE LADDERS £7.95 EXTENDED BASIC CARTRIDGE NEEDED. THE VERY BEST SPRITE GRAPHIC ADVENTURE YOU HAVE EVER SEEN ON YOUR TI-99/4A. HELP LIONEL AS HE JOURNEYS THROUGH THE LABYRINTH IN SEARCH OF HIS PRINCESS. BUT MAKE SURE HE DOES NOT GET CAUGHT. CAPTIVATING AND SPELLBINDING. FOUR STAR REVIEW VOL. 68 OF HCW.
	BENEATH THE STARS (BASIC) £5.95 FULL ARCADE ACTION. 9 CONTROL KEYS. FIVE SKILL LEVELS. HALL OF FAME. SUPER ANIMATION. A FAST ACTION SPACE GAME.
	INTRIGUE SOFTWARE
SAE + 25p FOR OUR CATALOGUE	AVAILABLE END JULY
	ATLANTIC (BASIC) £6.95 SUPER ANIMATED UNDERSEA ADVENTURE 80 LOCATIONS

At your dealer now or -
Mail order by return post free!
Send PO/Cheque to:



Games to remember from

INTRIGUE SOFTWARE

Telephone 05806 4726

Cranbrook Road, Tenterden, Kent TN30 6UJ

COMPETITION

This is your chance to win Buzzard Bait, Microdeal's five-star game for the Dragon 32.

We're giving away 100 copies of Buzzard Bait to the winners of this week's competition. Buzzard Bait costs £9.95 in the shops, so the hand-out is worth just on £1000.

Buzzard Bait is protected by the infamous dongle. Take this opportunity of examining the little black box which plugs into your joystick port and must be present whenever you load the game. It's an original way of beating the pirates.

The game received rave reviews from HCW's regular reviewer, who's a seasoned, perhaps cynical critic. He went bananas over it, claiming the graphics were the very best he'd ever seen on the Dragon. "Great... will provide you with many happy hours of relatively non-violent fun," he wrote. "A real winner which I would like to see on other machines too," he continued, awarding it 395/400 marks.

Buzzard Bait is a fast, exciting jousting game. The riders are mounted on birds and you must topple your enemy from his steed and turn him into an egg. As the game progresses, land masses crumble away, giving you more room to fly and allowing strategic manoeuvring.

If you stay on one wave for some time, the pterodactyl appears. If it touches you, you've had it. You can only kill it by jousting it in the throat (who said it was non-violent?). Perhaps it's best to avoid trouble at this stage, and steer clear all together.

As the game progresses, lava

Buzzard Bait: 100 copies to be won from Microdeal

This game has been widely acclaimed for its graphics and action. Now's your chance to win your own copy of this Dragon chart-topper

burns away the bridge. Watch out for the hidden danger — the Lava Monster which skulks in the murky depths and reaches out to grab unsuspecting birds and drag them to their deaths in the boiling lava. There is no escape once you have been touched!

Find the differences and you stand to win this brilliant game. So what are you waiting for?

How to enter

Study the two cartoons — there are a number of differences between them. Circle the differences on cartoon B and seal the cartoon and coupon in an envelope. Write

clearly the number of differences you found on the back of the envelope.

Post your entry to Microdeal Competition, Home Computing Weekly, No. 1 Golden Square, London W1R 3AB. Entries close at first post on Friday August 3, 1984.

You may enter as many times as you wish, but each entry must be on an official coupon — not a copy — and sealed in a separate envelope.

Important: please follow carefully the guidelines on entering — incomplete coupons and entries in envelopes with no numbers on the back cannot be considered. If you are a winner, the coupon will be used as a label to send your prize so clear writing is essential.

The rules

Entries will not be accepted from employees of Argus Specialist Publications, Microdeal and Alabaster Passmore & Sons. This restriction also applies to employees' families and agents of the companies.

The How to Enter section forms part of the rules.

Microdeal Competition

Entry Coupon

Name _____

Address _____

_____ post code _____

Number of differences found

Complete clearly and fully — if you are a prizewinner this will act as a label. Post to Microdeal Competition, Home Computing Weekly, No. 1 Golden Square, London W1R 3AB. Closing date: first post, Friday August 3, 1984. Don't forget to follow closely the advice in the How to Enter section, including writing the number of differences on the back of your envelope.



Progpak TI-99/4A £

T. Wilmott, 3 Somerset Place, Somerset Bridge, Bridgewater TA6 6LW

Games to suit everyone's taste. Ten in all, though I could only get nine to load. Nevertheless, quite remarkable value for a fiver. Here's a quick run down of the titles:

Stop Thief — a collect and chase game where a foreman wanders round scaffolding dropping fivers. Lucky you must pick them up, for as long as you can!

Base Attack — you have five laser cannon to defend against an alien attack. Very addictive.

Bat Blaster — self explanatory.

Hostile UFO's — aliens again, that swoop and bomb this time.

Treasure Seeker — dig around

searching for maps and treasure. **Cave Adventure** — the one that wouldn't load, but, from reading the instructions, would appear to be a standard adventure.

Alien Overrun — differently coloured aliens move across screen. Zap them to survive.

Robo-killer — takes some thinking about. Your task is to kill 12 robots by laying pillars and bombs, but they close in on you after every move.

Mystery Game — infuriating but entertaining.

Well there they are. What more could any software hungry TI owner want, excellent games at a giveaway price. **J.W.**

instructions	95%
playability	90%
graphics	80%
value for money	100%



Ophyss TI-99/4A £6

Stainless, 10 Alstone Rd, Stockport, Cheshire SK4 5AH

The object of this rather unusual game is to keep a number of newly-hatched ophyss eggs alive by steering them around a serpentarium. An ophyss is a snake-like creature found in the Antarctic islands. The young ophysses (or ophyi?) must have nourishment, so they eat frogs.

In the two-player version a lifeline is displayed at each side of the screen. The length of this line shows how much nourishment each ophyss has, constantly decreasing. If an ophyss eats a frog, its lifeline returns to the maximum length and the ophyss grows by one unit. When it is 15 units long it expires, and a small

ophyss emerges from its den. This ophyss must also grow to 15 units.

The opponent's tail may also be eaten. This does not give any nourishment, but 20 points are gained. When an ophyss has been bitten, it is paralysed for one move, so if possible, it should be bitten again.

In the one-player version of the game, the computer controls the opponent's ophyss, and there are seven levels of difficulty.

Overall, a good game that would be even better if in machine code on another computer. **J.J.**

instructions	95%
playability	80%
graphics	90%
value for money	90%



Motor Cross/ Rally Cross TI-99/4A £7

Stainless, 10 Alstone Rd, Stockport, Cheshire SK4 5AH

These two programs are sold together for either joystick or keyboard use. Although good use has been made of the TI's BASIC facilities in an attempt to get the utmost speed, both programs are essentially identical. They differ mainly in the graphics used for gates, making this very expensive duplication.

Both are moderately challenging: you must drive around the screen, negotiating cones and trees and attempting to pass through eight gates. In Motor Cross only, the gates are numbered and must be negotiated sequentially. You have control of left and right turns only, which can be a little confusing as they are dependent upon the direction in which the car is heading.

There are five levels of play and your efforts are timed within the restrictions of TI BASIC. If you complete the course unscathed, you will receive a rating. I didn't even rate pathetic, as with the computer in control of the speed and no brakes I frequently became entangled with the trees.

If the games had differed more I would have considered this fair value for money.) **P.B.**

instructions	90%
playability	85%
graphics	75%
value for money	20%



Texas: the state of the stars

Here's a treat for owners of the TI-99/4A: five new programs reviewed by our team

Rivets/ Charset 2 TI-99/4A £4.95

You need a good head for heights in Rivets, though whether you'll find it a truly riveting experience is another matter.

The game starts on the 21st floor of a partially constructed tower block. The site foreman has it in for you! When all your workmates have gone home he makes you collect up the rivets they have left lying around. Trouble is, there are banana skins scattered. Slipping on one sends you down onto the next floor and loses a life. The same happens if you miss your step on girders. When all your lives have

gone the building is displayed and you watch your death leap.

All this proceeds in a desperate race against time. There are five skill levels. As the game becomes more difficult you are given less time to finish and more banana skins to avoid.

Although fun at first, the game lacks sufficient variety to give it a lasting addictive quality.

Charset is a short program in which characters have been re-defined and their hexadecimal codes placed in DATA statements.) **J.W.**

instructions	85%
playability	40%
graphics	40%
value for money	50%



Escape from Mica TI-99/4A £4.95

PIKaDee Software, 35 Parker St, Preston, Lancs PR2 2AH

It's hard and dangerous work being a captive of the evil Count of Mica. To obtain your release all the treasures from each of three fields must be collected. Each is surrounded by a high wall and there are two blocks of wall inside the field.

The treasure is guarded by a hungry man-eating monster. Here the two inner walls prove useful because if you can lure the monster behind one he will momentarily stop. Then you take what you can before he becomes active again.

Four hyperspace pills have been provided to use in each field. Taking one will immediately transport you to another random location within the field. This proves very handy when the monster comes too close for comfort. Sometimes, however, you can find yourself re-appearing just as near, or closer!

There are four skill levels. At the easiest you score 15 points per item, but there are more items and large inner walls. At the most difficult you score 60 points per item, there's fewer items and much smaller walls. **J.W.**

instructions	90%
playability	60%
graphics	50%
value for money	65%



COMMODORE 64 PROGRAMS

Label printer

One particularly useful job a computer printer can do is printing self-adhesive labels. These are available from many office equipment suppliers and stationers in both tractor feed and friction feed forms for around 70p per 100.

This program allows input of the required lines for the label of your choice and formats them for printing. Standard labels are 100mm by 35mm and this allows about seven lines of 35 characters to fit on (with a 1525 dot matrix printer). If your labels are another size, then modify the program to suit. Owners of a 1520 plotter should also be able to add colour and variable character size routines into the program.

The program produces neat labels which can be used for many purposes, e.g. parcel labels, cassette inserts, floppy disc indexing, and anywhere else a neat set of labels will look good.

Note: As usual, cursor controls are included as REM statements but these need not be typed in.

Label printer

How it works

- 80-130 set up and input number of lines required
- 140-185 input lines for label
- 190-205 print label on screen
- 210-290 correct any errors
- 300-308 print in graphics mode if required
- 310-330 print label in printer lower case
- 340-400 set up for another label if required
- 500-560 subroutine to input a line of text

Label printer

Variables

- TS(7) lines of text
- A number of lines
- TS line input
- LS character input

Label printer

Hints on conversion

This program should pose no problems in converting to other micros and printers.

- CHRS(8) print in graphics mode (no space between lines)
- CHRS(13) carriage return
- CHRS(15) print in normal mode
- CHRS(20) delete character
- OPEN 1,4,7 open file to printer in lower case

Tape filer part 1

Do you have lots of music tapes, and do you have a lot of trouble trying to remember which tune is where? If so, then this program is for you.

The program comprises three sections. One allows you to create a disc file for five cassettes with tape length, title, date and all names and artists catalogued. Another allows you to correct or modify the files you have created. The third section allows you to search quickly through all your files for a particular tune or artist (or both) and print up where this tune is to be found on your tapes.

The program is designed for disc users, although data could

also be stored on cassette tape. Searching, however, would be very slow. Although made for storing tunes on cassette, small modifications would allow you to use the program as an index for your records, or even your tape or disc software.

This week's listing gives the file creation and modification routines. Next week, the reader section will be given to allow you to use your files.

Note: Tune and artist are filed as a single string, separated by a "spade" graphic. In the editor routine, you must put this in yourself. Total line length should be kept below 78 characters. The numbers in the data files are important to the running of the program, and should not be removed or changed. If the artist is

unknown, enter this as "UN".

As usual, cursor controls are given in REM statements, but these don't need to be typed in.

Tape filer 1

How it works

- 40-70 set up and title
- 80-90 ask for highest tape on file
- 100-135 main menu selection
- 140-850 reader routine (see next week)
- 1000-1020 input start tape number and make up filename
- 1030-1070 input tape length — for five tapes
- 1080-1130 input side title and date — for two sides
- 1140-1220 input tunes and artists
- 1230-1240 put tune and artists into single string
- 1250-1360 save data to disc
- 2000-2015 input start tape number and make up filename
- 2020-2100 load data
- 2110-2210 list data, checking for interrupts
- 2220-2320 menu and choice selection
- 2330-2400 adding and deleting routines
- 2410-2480 resaving data file
- 2900-2960 trap disc errors and continue
- 3000 exit program

Tape filer 1

Variables

- ARSS(10) artist's names
- TUS(10) tune names
- K2(10) number of references found
- AL(10) length of artist's name
- TL(10) length of tune name
- DS(1000) data lines
- M number of highest tape on file
- FMS current filename
- N tape number
- DAS input data line
- N3 number of files to be searched for
- QT,F tape to be searched
- TT time
- TU tune number
- SI side number
- TS tune name or title
- RS artist's name
- L tape length
- D data counter
- S side counter
- C1, C2 data counters
- K item to be edited

Tape filer 1

Hints on conversion

Apart from the special file handling commands, this program should be easy to convert to run on other micros, or with cassette data storage.

NOTE: PEEK(654) — "SHIFT" pressed (1) or not (0)

Use your new technology to the full by automatically printing out labels, and organise your music collection with part 1 of Iain Murray's tape filer program

Make your life easier: print labels for everything

Listing for label printer

```

10 rem *** label Printer ***
20 rem *** by iain murray (c) 1984 ***
30 rem *** for home computing weekly ***
80 dim t$(7)
90 poke 53281,1:poke 53280,1
98 rem [clr] [blue] [lower case] [lock in lower case] [3 crsr dwn] [11 crsr rt]
99 rem [rev on] [rev off]
100 Print "##### LABEL PRINTER 3"
109 rem [2 crsr dwn]
110 Print "1How many lines ( 1 - 7 ) ? ";
130 get a$:a=val(a$):if a<1 or a>7 then 130
139 rem [clr]
140 Print "0"
150 for i=1 to a
159 rem [crsr dwn]
160 Print "2Give line":i;" : ";:gosub 500:t$(i)=t$
170 if len(t$(i))>35 then 160
180 next i
185 if a<7 then for i=a+1 to 7:t$(i)=" ":next
189 rem [clr]
190 Print "0"
194 rem [green] * vertical lines are shifted "-"s, horizontal are shifted "*"s
195 Print "1":Print "|";tab(38);"|"
199 rem [blue] [green] * vertical lines are shifted "-"s
200 for i=1 to 7:print "| ";t$(i);tab(38);" |":next
204 rem * vertical lines are shifted "-"s, horizontal are shifted "*"s
205 Print "|";tab(38);" |":Print " |"
209 rem [blue] [crsr dwn]
210 Print "3Is this correct (Y/N) ? "
220 get a$:if a$="y" then 300
230 if a$<>"n" then 220
239 rem [crsr dwn]
240 Print "4Which line is wrong ( 1 -":a;") ? ";
250 get b$:b=val(b$):if b<1 or b>a then 250
260 Print b
269 rem [crsr dwn]
270 Print "5Give line":b;" : ";:gosub 500:t$(b)=t$
280 if len(t$(b))>35 then 270
290 goto 190
299 rem [clr] [2 crsr dwn]
300 Print "6Print in graphics mode (Y/N) ?"
305 get g$:if g$<>"y" and g$<>"n" then 305
308 if g$="y" then for i=1 to a:t$(i)=chr$(15)+t$(i)+chr$(8):next
309 rem [clr] [2 crsr dwn] [rev on] [rev off]
310 Print "7Position label and Press 8 SPACE 8 when ready : "
315 get a$:if a$<>" " then 315
319 rem [2 crsr dwn]
320 Print "8Printing : ":open 1,4,7
330 for i=1 to a:Print#1,t$(i):next:Print#1,chr$(15):Print#1:close 1
339 rem [2 crsr dwn]
340 Print "9Another label (Y/N) ?"
349 rem [clr] [upper case] [unlock case switch]
350 get c$:if c$="n" then Print "###":end
360 if c$<>"y" then 350
369 rem [2 crsr dwn]
370 Print "0Print a different label (Y/N) ?"
380 get c$:if c$="n" then 190
390 if c$="y" then 110
400 goto 380
499 rem *** input line
500 t$=""
510 get l$
520 if l$=chr$(13) or l$=chr$(20) then 550
530 if l$=chr$(32) or (l$>chr$(127) and l$<chr$(160)) then 510

```



```

1210 IF AS$="S" THEN AS$=AR$
1220 IF LEN(AS$)>39 THEN PRINT N$:GOTO 1200:REM ** NAME TOO LONG **
1229 REM [SPACE] IS SHIFTED "A"
1230 D$(D)=TU$+"A"+AS$:D=D+1:AR$=AS$:GOTO 1140
1240 NEXT S:D$(D)="3":D=D+1:NEXT I:D=D-1
1248 REM *** SAVING ROUTINE ***
1249 REM [CLR] [WHITE] [3 CRSR DOWN]
1250 PRINT "DATA INPUT COMPLETE"
1259 REM [CRSR DOWN] [RVS ON] [RVS OFF]
1260 PRINT "INSERT DISK AND PRESS SPACE WHEN READY TO SAVE :"
1270 GET A$:IF A$<>" " THEN 1270
1279 REM [2 CRSR DOWN]
1280 PRINT "SAVING :"
1290 OPEN 1,8,15:OPEN 2,8,3,FM$+",S,W"
1300 INPUT#1,A:IF A<>0 THEN 2900
1310 FOR I=1 TO D:PRINT#2,D$(I):NEXT I:CLOSE 2:CLOSE 1
1319 REM [3 CRSR DOWN]
1320 PRINT "SAVING COMPLETE"
1329 REM [CRSR DOWN] [RVS ON] [RVS OFF]
1330 PRINT "PRESS SPACE TO CONTINUE :"
1340 GET A$:IF A$<>" " THEN 1340
1350 IF N+4>M THEN M=N+4
1360 GOTO 100
1998 REM *** EDIT SECTION ***
1999 REM [CLR]
2000 PRINT "C"
2004 REM [2 CRSR DOWN]
2005 PRINT "GIVE NUMBER OF FIRST TAPE IN FILE :":INPUT F
2010 IF F<0 OR F>M OR F<>INT(F)OR((F-1)/5)<>INT((F-1)/5) THEN PRINTN$:GOTO 2005
2015 F$="TAPEFILE"+STR$(F)+STR$(F+4)
2020 C=1:C2=0:OPEN 1,8,15:OPEN 2,8,3,F$+",S,R"
2030 INPUT#1,A:IF A<>0 THEN 2900
2050 INPUT#2,D$(C)
2059 REM [2 CRSR DOWN]
2060 IF C=1 THEN PRINT "LOADING ":F$
2070 IF D$(C)="3" THEN C2=C2+1:IF C2=5 THEN 2090
2080 C=C+1:GOTO 2050
2090 CLOSE 2:CLOSE 1
2099 REM [2 CRSR DOWN]
2100 PRINT "LOADING COMPLETE"
2109 REM [CRSR DOWN]
2110 PRINT "PRESS CHR$(34)"S"CHR$(34)" TO INTERRUPT LISTING, "CHR$(34)"C";
2112 PRINTCHR$(34)" TO CONTINUE LISTING, OR "CHR$(34)"A"CHR$(34)" TO ABANDON"
2114 PRINT"LISTING."
2115 REM [CRSR DOWN]
2116 PRINT "(NOTE THAT THE FILE CONTAINS NUMBERS AS WELL AS YOUR DATA.)"
2117 REM [CRSR DOWN] [RVS ON] [RVS OFF] [2 CRSR DOWN]
2118 PRINT "PRESS SPACE WHEN READY : "
2120 GET A$:IF A$<>" " THEN 2120
2129 REM [RVS ON] [RVS OFF]
2130 FOR I=1 TO C:PRINT I," ";D$(I);" "
2139 REM [CRSR DOWN] [PINK] [WHITE]
2140 GET A$:IF A$="A" THEN PRINT "LISTING ABANDONED":GOTO 2200
2150 IF A$<>"S" THEN 2190
2160 GET A$:IF A$="C" THEN 2190
2169 REM [CRSR DOWN] [PINK] [WHITE]
2170 IF A$="A" THEN PRINT "LISTING ABANDONED":GOTO 2200
2180 GOTO 2160
2190 NEXT I
2199 REM [CRSR DOWN] [RVS ON] [RVS OFF]
2200 PRINT "PRESS SPACE TO CONTINUE :"
2210 GET A$:IF A$<>" " THEN 2210
2219 REM [CLR] [3 CRSR DOWN]
2220 PRINT "YOU CAN :"
2229 REM [2 CRSR DOWN]

```


Beach-Head £9.95

US Gold, Unit 24, Tipton Trading Est, Bloomfield Rd, Tipton, W Mids DY4 9AH

The object is to manoeuvre your fleet inwards to land where you will continue with tanks to destroy the mighty cannon Kuhn-Lin. On your way you must go through six sequences of attacks/strategies.

The first is an aerial reconnaissance in which you see a map. You must decide how you will start the game. You may go into direct battle or use the secret passage and take the enemy off guard.

The hidden passage has you guiding your ship past mines while avoiding missiles. This screen is quite hard but

makes the next section easier. Sequence three is in 3D. You must shoot enemy aircraft and in the following level attack battle-ships. A report is given after each shot.

Screen five is Beach-Head. For each ship you have left you get two battletanks. These tanks must travel through the defence system before blowing up Kuhn-Lin on screen six. The instructions state you need a few tanks to succeed.

The game loads perfectly and makes very good use of your computer's graphics and sound abilities. **K.I.**

instructions	65%
playability	80%
graphics	80%
value for money	85%



Triple Tournament £7.95

Terminal, 28 Church Lane, Prestwich, Manchester M25 5AJ

With arcade/adventure games appearing in the shops, Terminal is replying with a three-in-one arcade game.

At the start you may select one life per game and play all three games or have all three lives on the game of your choice.

The first game is a cowboy "shoot it out" similar to one of the early arcade machines which started the video game craze a few years ago.

The second game is Space Race. It involves keeping your spaceship on a path and collecting points as you go. The

concept is unoriginal and not that interesting.

The last game is Kamikazi, on the high seas. The object is to shoot and destroy various planes which tend to crash into your ship.

The graphics do not incorporate many new or good techniques. General quality is average. I won't write it off because it is better than some games although there is plenty of room for improvement. No instructions were supplied.

Once you have finished playing you get a breakdown of your scores for each life. **K.I.**

instructions	0%
playability	50%
graphics	45%
value for money	50%



Frantic Freddie Disc £12.95

Audiogenic, PO Box 88, Reading, Berks

If the adversaries in this game are typical of those met by British Telecom engineers who climb telegraph poles, I'm glad I chose another vocation.

Whilst the design isn't wholly original, the execution is superb. Display consists of a number of platforms linked by telegraph poles. On these levels are located pots of gold.

You control Freddie, whose aim is to collect the pots. Inevitably, they are guarded by nasties called Greeblies. Three nasties each have a different method of tracking Freddie down.

Each screen has different nasties including frogs, spiders, crabs and savage angelic-faced foes. If they catch you they throw you off the platforms. You hit the ground with a thud which causes the whole screen to shake.

Between screens, short amusing interludes are performed. The quality of design of the characters and their animation is excellent. Each screen is accompanied by a new, brilliantly performed piece of music.

The game is appallingly addictive and will keep you amused for hours. I feel it is overpriced; £9-£10 would be nearer the mark. Try it, you won't regret it! **M.W.**

instructions	90%
playability	90%
graphics	95%
value for money	80%



Games for hard-line addicts

Here's a batch of games that will keep you glued to your computer for hours. Our panel has sweated it out first — see what they think

Aquanaut £7

Interceptor Micros, Lindon Hse, The Green, Tadley, Hants

Interceptor is really improving its standards of software. This is a fairly good example of what it now produces.

The game is based upon guiding your submarine around the caves of Shallic. There are enemy submarines, heat-seeking missiles, mines and other deterrents to stop you completing your mission, which is to visit all the caves before returning to your base.

This game is very hard. No one can say it is easy or repetitive. Once you have got through a level you automatically re-start

on your current level if you get killed.

A nice feature of the game is that you can decide how many lives you wish to begin with, three being the minimum and nine the maximum.

The graphics remind me of the lunar surface in Scramble. They have been implemented very well and seem to be flicker-free as they scroll in all four directions.

For anyone who likes Scramble-type games I recommend this one. Although it is not constant fast action, it is still very good. **K.I.**

instructions	15%
playability	70%
graphics	75%
value for money	80%



ACOS + £8.95

Melbourne Hosue, 151 Trafalgar Rd, London SE10

ACOS stands for Advanced Cassette Operating System. Melbourne House claims ACOS allows a cassette to be operated like a disk drive.

However, ACOS is merely a computerised version of what we do already; it notes counter number, program title, plus next available space and fast forwards to required position. Blank tape is 'formatted' via fairly lengthy process, and a directory header is put on it.

To SAVE or LOAD, ACOS must be present, and once the directory is loaded, you press appropriate recorder keys under program direction and, after SAVEing, save directory.

Directory lists all titles on screen, but does not LOAD or SAVE at any increased speed. Since you must LOAD ACOS the time taken to reach and load formatted program is actually longer than normal.

ACOS cuts tape loss between programs, could tidy up messy libraries, but is no substitute for disc drive.

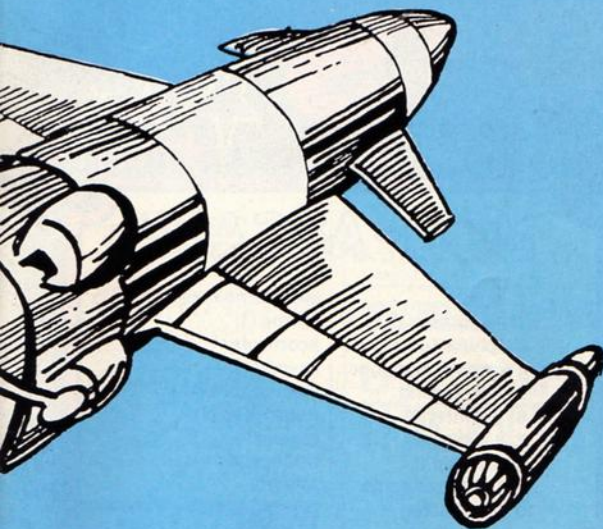
Extra BASIC commands are most interesting and offer easier access to sound, graphics, sprites, collisions, interrupts and memory. The manual is technical. ACOS-written programs need it to run so it's useless for commercial purposes.

Free game, reasonable price. It could be useful. **D.C.**

instructions	70%
ease of use	70%
display	70%
value for money	70%



en attack on



```

500 PLOTX,AL," j":PLOTX,AL," j":PLOT37,AL," "
510 X=X+1:TI=TI+1:IF TI=300 THEN 600
520 IF TI=270 OR TI>290 THEN PING
530 IFX>36 THEN 410
540 IF MD=48382 THEN 570
550 PLOT9,0,STR*(LI):PLOT20,0,STR*(TI)
560 GOTO450
570 REM ***** FIRE *****
580 ZAP:MI=33:AS=DO
590 PLOTMI,AS,"- "
600 REPEAT
610 IFSCRN(MI-1,AS)=106 THEN 650
620 MI=MI-1:PLOTMI,AS,"- "
630 UNTILMI=15:PLOT15,AS," "
640 GOTO450
650 REM ***** HIT ALIEN *****
660 EXPLODE:PLOTX,AL," "
670 SC=SC+20:PLOT30,0,STR*(SC):GOTO410
680 REM ***** CRASH *****
690 EXPLODE:PAPER3:WAIT50:PAPER5:WAIT50:CLS:PAPER1:INK
3
700 LI=LI-1
710 PLOT16,11,CHR*(10)+"00PPSS":PLOT16,12,CHR*(10)+"00
PPSS"
720 WAIT300:GOSUB1010
730 IFLI=0 OR TI>298 THEN 760
740 IF SC<100 THEN 40 ELSE 380
760 REM ***** NEW GAME *****
770 CLS:GOSUB1010:WAIT50:PRINTCHR*(17):PRINT
780 IFSC>HS THEN HS=SC
790 PAPER1:INK3
800 PRINT:PRINTCHR*(138)"HIGH SCORE :";HS
810 PRINTCHR*(138)"HIGH SCORE :";HS
820 PRINT"DO YOU WANT TO TRY AGAIN INPUT (Y/N)":PRINT:
INPUTA#
830 IFA#="Y" OR A#="YES" THEN 30 ELSE CALLDEEK(##FFFA) '
WARM START
840 REM ***** CHARACTERS *****
850 FOR I=(46080+(ASC("a")*8)) TO (46080+(ASC("j")*8)+
7)
860 READA:POKEI,A:NEXT
870 DATA62,10,31,21,29,31,2,31,0,0,60,46,63,62,8,60
880 DATA0,0,15,26,63,30,8,63,30,10,63,45,61,63,4,62
890 DATA63,42,63,63,42,63,42,63,63,43,63,63,45,63,45,6
3
900 DATA63,12,10,9,9,10,12,8,63,12,20,36,36,20,12,4
910 DATA 0,0,33,45,63,45,33,0,60,8,30,63,30,8,60,0
920 RESTORE:RETURN
930 REM **** SCREEN COLOURS *****
940 CLS:INK0:PAPER4
950 FORI=48680 TO48840 STEP40
960 POKEI,17
970 NEXTI
980 FORI=48880 TO 49080 STEP40
990 POKEI,21
1000 NEXTI
1010 PLOT3,0,"LIVES :":PLOT14,0,"TIME :":PLOT25,0,"SCOR
E: "
1020 PLOT9,0,STR*(LI):PLOT20,0,STR*(TI):PLOT30,0,STR*(
SC)
1030 RETURN
1039 REM ***** INSTRUCTIONS *****
1040 PLOT12,2,CHR*(12)+CHR*(3)+"SPACE ACE"
1050 PLOTS,4,"YOU ARE EARTHS LAST REMAINING"
1060 PLOTS,6,"SPACE ACE.SO ITS UP TO YOU TO"
1070 PLOTS,8,"STOP THE ADVANCING ALIENS."
1080 PLOTS,10,"BUT EARTHS OWN DEFENCES CAN"
1090 PLOTS,12,"NOT BE TURNED OFF SO YOU"
1100 PLOTS,14,"MUST FIRST GET PASSED THESE."
1110 PLOTS,16,"USE THE CURSOR KEYS TO MOVE"
1120 PLOTS,18,"YOUR SHIP.PRESS THE SPACE"
1130 PLOTS,20,"BAR TO FIRE YOUR LASER."
1140 PLOT8,24,"PRESS ANY KEY TO CONTINUE"
1150 A#="11444177177114441771771144417717711444"
1160 FORA=1TOLEN(A#)
1170 N=VAL(MID$(A#,A,1))
1180 PLAY6,0,2,0:MUSIC2,7,N,9:MUSIC2,6,N,9:MUSIC3,3,N,
9
1190 WAIT10:NEXTA:PLAY0,0,0,0
1200 WAIT100:GETA#:CLS
1210 PLOTS,8,"THERE IS A TIME FACTOR IN "
1220 PLOTS,10,"WHICH TO CARRY OUT YOUR DUTY"
1230 PLOTS,12,"AFTER WHICH YOUR SHIP WILL"
1240 PLOTS,14,"SELF DISTRUCT."
1250 PLOT12,16,CHR*(12)+"GOOD LUCK"
1260 PLOT8,20,"PRESS ANY KEY TO START"
1270 GETA#:WAIT100:RETURN

```

```

330 IF SCR(A,B+1)=103 OR SCR(A,B+1)=104 THEN 600
340 IFSCRN(A+2,B)=105 OR SCR(A-1,B)=105 THEN 600
350 IFB<15 THEN 370
360 GOTO160
370 SC=SC+250:PING:GOSUB1010
380 REM ***** SECOND SCREEN *****
390 CLS:GOSUB1010
400 WAIT100:
410 AL=0:X=0:AL=INT(RND(1)*23)+3:X=INT(RND(1)*18)+2
420 PAPER4:INK0
430 PLOTAC,DO,A#(2)
440 REM ***** MOVE SHIP UP & DOWN ONLY *****
450 MD=DEEK(783)
460 IFMD=48375 AND DO>2 THENDO=DO-1:PLOTAC,DO+1," " :
PLOTAC,DO,A#(2)
470 IFSCRN(X+1,AL)=100 THEN GOSUB 600
480 REM ***** PLDT ALIENS *****
490 IFMD=48319 AND DO<26 THENDO=DO+1:PLOTAC,DO-1," "
:PLOTAC,DO,A#(2)

```



CHARTBUSTERS

BRITAIN'S SOFTWARE

CHARTS

by the ASP Market Research Group

ARCADE

- | | |
|------------------|--------------------|
| 1 Sabre Wulf | Ultimate (-) |
| 2 Beach Head | US Gold (3) |
| 3 Loco | Alligata (-) |
| 4 Omega Race | Commodore (-) |
| 5 Psytron | Beyond (7) |
| 6 Oblivion | Bug Byte (-) |
| 7 Trashman | Quicksilva (8) |
| 9 Son of Blogger | Alligata (-) |
| 10 Trashman | New Generation (-) |

NON-ARCADE

- | | |
|---------------------|---------------------|
| 1 Mugsy | Melbourne House (1) |
| 2 Flight Path 737 | Anirog (3) |
| 3 Sphinx Adventure | Acornsoft (-) |
| 4 Lords of Midnight | Beyond (5) |
| 5 Mastermind | Commodore (-) |
| 6 The Inferno | R Shepherd (9) |
| 7 Valhalla | Legend (-) |
| 8 Solo Flight | US Gold (7) |
| 9 The Fall of Rome | APS (10) |
| 10 Quizmaster | Commodore (-) |

Compiled with the assistance of Britain's leading software distributors, including: Pinnacle, SDL, PCE, Websters, PCS and Software Centre.

SPECTRUM

- | | |
|--------------------|----------------|
| 1 Sabre Wulf | Ultimate (-) |
| 2 Address Manager | OCP (-) |
| 3 Finance Manager | OCP (-) |
| 4 Personal Banking | Micro Mega (-) |
| 5 Light Cycle | PSS (-) |
| 6 Electro Storm | PSS (-) |
| 7 Ship of the Line | R Shepherd (-) |
| 8 Everest Ascent | R Shepherd (-) |
| 9 Stop the Express | Sinclair (-) |
| 10 Chess the Turk | OCP (-) |

COMMODORE 64

- | | |
|------------------|------------------|
| 1 Hover Bovver | Leisure Soft (-) |
| 2 Lazerzone 64 | Leisure Soft (-) |
| 3 Matrix | Leisure Soft (-) |
| 4 Lazarain | Commodore (-) |
| 5 Biology | Commodore (-) |
| 6 Pinball Wizard | CP Software (7) |
| 7 Chuckle Egg | A & F (-) |
| 8 Hektik | Mastertronic (-) |
| 9 Superpipelne | Tasket (-) |
| 10 Munch Mania | Mastertronic (-) |

DRAGON 32

- | | |
|-----------------------------|----------------|
| 1 Champions | Poppy Soft (-) |
| 2 Advanced Basic Tutor | Ampal Soft (-) |
| 3 Dragon Trek | Salamander (-) |
| 4 Basic Tutorial for Dragon | Ampal Soft (-) |
| 5 Database | MST (-) |
| 6 Nightflight | Salamander (3) |
| 7 Area Radar Controller | SFA (-) |
| 8 Maths Level 2 | Ampal Soft (-) |
| 9 Golf | Audiogenic (7) |
| 10 Star Jammer | Salamander (5) |

Compiled by W. H. Smith and Websters. Figures in brackets are last week's positions.

VIC-20

- | | |
|-----------------------------|------------------|
| 1 Omega Race | Commodore (-) |
| 2 Kaktus | Audio Genic (-) |
| 3 Mastermind | Commodore (-) |
| 4 Quizmaster | Commodore (-) |
| 5 Lazer Zone | Leisure Soft (-) |
| 6 Escape MCP | Rabbit (-) |
| 7 Traxx | Leisure Soft (-) |
| 8 R. Carrier Family Menu PL | CBM (-) |
| 9 Mangrove | Audio Genic (-) |
| 10 Dambuster | Rabbit (-) |

BBC

- | | |
|-------------------------|----------------|
| 1 Missile Control | GEM (-) |
| 2 Sphinx Adventure | Acorn (-) |
| 3 Oblivion | Bug Byte (-) |
| 4 Mined Out | Quicksilva (-) |
| 5 Galaxy War | Bug Byte (-) |
| 6 Fairshare | Griff (-) |
| 7 Lift Off with Numbers | Shiva (-) |
| 8 Additional Fun | Shiva (-) |
| 9 Sets & Operators | Shiva (-) |
| 10 Launching Logic | Shiva (-) |

ZX81

- | | |
|---------------------------|--------------|
| 1 Chess II | Artic (-) |
| 2 ZXDB Disassembler Debug | Bug Byte (-) |
| 3 Machine Coder | PSS (-) |
| 4 Krypton Ordeal | Novus (7) |
| 5 Walk the Plank | Novus (6) |
| 6 Allen Rain | CRL (3) |
| 7 Black Crystal | Carnell (9) |
| 8 Planet Raider | Novus (10) |
| 9 Machine Coder | PSS (-) |
| 10 Sabotage | Sinclair (-) |

NATIONWIDE SHOPS & DEALERS

BEDFORDSHIRE

SOFTWARE CENTRE

Computers, Software and accessories.

The Educational Software Specialists

Large S.A.E. for lists.

52A Bromham Road, Bedford.

Tel: Bedford 44733

BERKSHIRE

NOW OPEN

MIU Games & Computers Ltd

HOME

COMPUTERS

SOFTWARE & ACCESSORIES

COMMODORE, SINCLAIR, MEMOTECH, ACORN & OTHERS STOCKED. PRINTERS, INTERFACES, JOYSTICKS AND A HOST OF OTHER PERIPHERALS. HUGE RANGE OF SOFTWARE OVER 1000 DISKS & TAPES INCLUDING ALL THE LATEST RELEASES. VISIT US BEFORE YOU BUY

245, HIGH ST

SLOUGH

SLOUGH 21594

A member of the SPECTRUM group

CLEVELAND

DISCOUNT SOFTWARE

for CBM 64, VIC-20, SPECTRUM, BBC & ORIC I. NO CHARGE for P.P. S.A.E. for lists.

STOCKTON SOFTWARE

10 South Rd, Norton-on-Tees, Stockton, Cleveland.

ESSEX

BBC ★ COMMODORE 64
SPECTRUM ★ DRAGON 32

Extensive range of software/hardware/books always in stock.
ESTUARY SOFTWARE PRODUCTS
261 Victoria Avenue, Southend,
Essex. Tel: 0702 43568.

LONDON

G. C. B.

Software Centre

A complete range of software for all popular computers.

Call now at:

22 MAXTED ROAD, PECKHAM
LONDON SE15 or TEL: 639 3424

LANCASHIRE

LANCASHIRE MICROS

BBC, Sinclair, Commodore, Dragon and Lynx personal computers.

Also the widest range of software, books and accessories in the area.

89 Euston Road, Morecambe,
Lanes. Tel: (0524-411435)
OPEN 7 DAYS

HCW YOUR SOFTWARE SUPERMARKET.

SOMERSET

RAINBOW COMPUTER CENTRE

Massive range of software in stock for BBC, COM 64, VIC-20, SPECTRUM, DRAGON, ELECTRON, ZX81.

Huge stocks of peripherals (Joysticks, Interfaces, Cassette units, Paddles, Introduction series, Reference Guides etc).

Open Monday-Sunday 9am-8pm.
Any visa accepted

For the largest selection of hardware and software in the area contact:
VICTORIA ROAD, YEOVIL, SOMERSET
TEL: 0935 26678

PROBLEMS WITH YOUR MACHINE? SCAN OUR SERVICE/REPAIR SECTIONS.



**PHOENIX
SOFTWARE
CENTRE**
MAIL ORDER SOFTWARE
BBC SPECTRUM ETC.
Phoenix Software Centre
88 Huish, Yeovil, Somerset
Tel: 0936 21724

SURREY

COMPUTASOLVE LTD.

8 Central Parade, St. Marks Hill, Surbiton, Surrey KT6 4PJ.
Tel: 01-390 5135.

Open 9.30-18.30 Mon-Sat

Over 900 different software titles in stock. We are pleased to demonstrate any program before you buy.

48K SPECTRUM £129.95

STAFFS

24 The Parade
Silverdale, Newcastle
Tel: 0782 636911

Official dealers for
Commodore, Sinclair &
Acorn. BBC service and
information centre

Huge range of hardware and software backed up by sophisticated service department.

New Memotech Computers now in Stock.

**PLEASE NOTE
IT IS ILLEGAL
TO COPY ANY
SOFTWARE
UNLESS YOU
HAVE THE
COPYRIGHT
OWNER'S
PERMISSION**

CLASSIFIED ADVERTISEMENT — ORDER FORM

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13.	14.	15.

PREFERRED CLASSIFICATION

Please place my advert in Home Computing Weekly for _____ weeks.
Please indicate number of insertions required.

Advertise nationally for only 35p per word (minimum charge 15 words).

Simply print your message in the coupon and send with your cheque or postal order made payable to Argus Specialist Publications Ltd to:

CLASSIFIED DEPT., HOME COMPUTING WEEKLY,
1 Golden Square, London W1R 3AB
Tel: 01-437 0699.

Name _____

Address _____

Tel. No. (Day) _____



--	--	--	--	--	--	--	--	--	--

HOME COMPUTING WEEKLY CLASSIFIED

Lineage:
35p per word



01-437 0699
EXT 341.

Semi display: £7.10 per single column centimetre
Ring for information on series bookings discounts.

All advertisements in this section must be prepaid.
Advertisements are accepted subject to the terms and conditions printed on the advertisement rate card (available on request).

Send your requirements to:
Debra Stuppel
ASP LTD.
1 Golden Square,
London W1R 3AB

AUCTIONS

MICRO COMPUTER AUCTIONS

REGULAR MONTHLY AUCTIONS FOR ALL
MICRO HARD & SOFTWARE.

SEND FOR ENTRY FORM OR NEXT
CATALOGUE TO:—

MICRO COMPUTER AUCTIONS (HCW)
NORTHINGTON HOUSE
59 GRAYS INN RD, LONDON WC1X8TL
TEL: 01-242-0012 (24 HOURS)

BOOKS & PUBLICATIONS

Popping, Break Dancing. Teach yourself. SAE for details. Dance Publications, 136 Monkhill Lane, Pontefract WF8 1RT

MAKE MONEY WITH YOUR MICROCOMPUTER

This new report reveals secrets of making money by offering vital services to local businesses. No capital required. Full/part-time from home. 10 day money-back guarantee. Only £12 or SAE for details.
Sloanes (BI), FREEPOST, Barnet, EN4 8BR

READ OUR DEALER DIRECTORY AND FIND OUT THE LOCATION OF YOUR NEAREST COMPUTER SPECIALIST.

COURSES

SPECIAL COMMODORE & VIC-20 WEEK FROM 6TH AUGUST — NOW BOOKING! £46 for 5 mornings

Adult & childrens courses as usual.
Ring: Computer Workshop on 01-778 9080
32 Sydenham Rd, London SE26

The contents of this publication, including all articles, plans, drawings and programs and all copyright and all other intellectual property rights therein belong to Argus Specialist Publications Ltd. All rights conferred by the Law of Copyright and other intellectual property rights and by virtue of international copyright conventions are specifically reserved to Argus Specialist Publications Ltd and any reproduction requires the prior written consent of the company.
© 1984 Argus Specialist Publications Ltd

COMMODORE 64 SPECTRUM

All top titles. £5.00 life membership. 75p full 7 day hire + 23p p&p SAE details
INVICTA SOFTWARE Dept HCW
42 Wardon Road Rochester Kent
Cheques PO to Invicta Software

VIC-20 & VECTREX LIBRARY
S.A.E. for details
DUKERIES SOFTWARE
39 HIGH STREET,
WARSOP
NR. MANSFIELD,
NOTTS

Computer Vid. Unique rent a tape service from £1 a week. If you like the game we take a rental fee off the cost of the game. £5 life membership. Available for popular computers. Write to: 278A Wightman Road, Hornsey N8. Tel: 340-4074

REPAIRS

Commodore repairs. By Commodore approved engineers. Repair prices — VIC-20 modulators £6.50, VIC-20 from £14.50, CBM 64 from £18.00, C2N from £7.00, printers, disk, etc. For more details write or tel. G.C. Bunce & Son. 36 Burlington Road, Burnham, Bucks SL1 7BQ. Tel: (06286) 61696.

ZX81 — Spectrum. We can now offer out-of-guarantee repairs by our Computer Dept. Our engineers have had over three years experience servicing Sinclair Computer products. Price including p&p. ZX81 — £11.50; 16K Ram — £9.95; Spectrum — £18.75. Send with cheque or PO. T.V. Service of Cambridge, French's Road, Cambridge CB4 3NP. Phone (0223) 311371.

ADVERTISE IN OUR NATIONWIDE GUIDE AND SEE YOUR BUSINESS GROW.

NEW RELEASES

TI-99/4A. This magazine has a quarter-page advert with the best unexpanded programs from *** PiKa Dee Software.

SERVICES

SOFTWARE HOUSES! PROGRAM WRITERS!

PUT SOME STING IN YOUR PACKAGING!

If you're not happy with the appearance of your packaging—simply send us a sample, with any relevant information. We will return it—together with our ideas for improvement (in the form of a colour 'rough') no obligation. Quotations included for artwork & printing 500 or 1000 copies. The Complete Service
Also Logo design & Advertising/Promotional material. All enquiries welcome... write to—

Finished Art Service/Team
762/766 Wilmslow Road,
Disbury,
Manchester M20 0DR.
Tel: 061 434 2779

DATA DUPLICATION

M.C. Copies, Burntwood, Walsail, West Midlands
High speed dedicated data duplication, printing if required. Prices from 28, 57p (C15) per cassette incl library case.
Write for your full price list or telephone Burntwood 75375 (24 Hrs).

SOFTWARE

COMPUTER SOFTWARE: BUSINESS AND GAMES FOR MOST COMPUTERS

Commodore 64, VIC-20, BBC, Atari, Dragon, Spectrum, MZ700, ZX81.
New Releases for CBM 64, Spectrum, BBC, Atari, Dragon, Spectrum, MZ700, ZX81.
New releases for CBM 64, Spectrum, BBC. Every 2 weeks — just send S.A.E. and we send you a new list every 2 weeks.
Atari C10 data cassettes 40p each. 5 C15 data cassettes £2.40. 5 1/4" floppy discs D/sided — DL density. £2.30 each or 5 for £10.

Send to: M.J. Seaward, St. Olaf's Road, Stratton Nr Bude, Cornwall
EX23 9AF
Tel: (0288) 4179

CLUBS

Software exchange. Swap your used software. £1 per swap. Spectrum/Dragon. SAE please. UK SEC, 15 Tunwell Greave, Sheffield, S5 9GB

FOR HIRE

To hire a computer from Spectrum 48K upwards, please phone or write to Business & Computer Services, 294a, Caledonian Rd., London N1 1BA. Tel. 01 607 0157

COMMODORE 64 Software library

2 weeks hire £1. Annual membership £5. Stamp for list. Les Wilson, (C) 100 Blenheim Walk, Corby, Northants.

Oric Software Library. Two weeks hire £1. Annual Membership £5. Stamp for list. Les Wilson, 100 Blenheim Walk, Corby, Northants.

LIBRARIES

BBC/Dragon software library — Membership £5.00. — Tapes £1 (+ 23p postage). Stamp for details. E. Tucker, (H) 8 Springwood Estate Grimston Road, Sough Wootton, King's Lynn, Norfolk.

ORIC

Account Book — Personal Finance package £12.50.
Picture Book — colourful spelling game for young children £4.95.
Story Book — challenging game to develop reading skills. £4.95.
Available for Oric 1 or Atmos. HCW Review rating ★★★★★ FOR details phone 0923 53482 or write to: **SOFTBACKS (Dept HCW), FREEPOST, Watford WD1 8EP**

SOFTWARE APPLICATIONS

BACK-UP TAPE COPIER SPECTRUM/DAGON

Makes BACK-UP COPIES of your SPECTRUM programs easily with MANY unique features.

- M/Drive backs-up Basic/mc/arrays on the microdrive STOPS programs to help the run.
- LOADS in all program parts CONTINUOUSLY — even without pressing a key. Others require many loadings — MASSIVELY saves you time and trouble and uses no program area!
- Full instructions, very user friendly. BREAK at any time then carry on LOAD. Ideal for security back-up copies.
- Spectrum copier only £4.49 or £5.50 with M/DRIVE. (Update service for old customers £1.50 plus old tape and S.A.E.) Dragon Copier £6.99. FULL MONEY BACK GUARANTEE.

LERM (DHC), 10 Brunswick Gardens, Corby, Northants.

ARROW MICRO SERVICES — Commodore 64 —

ARROW TURBO-SAVER

Fed up with waiting for those programmes to load? Well you need Turbo-Saver, easy to use and faster than 1541 Disk drives, save a fortune on tapes. £7.00

ARROW TRANSFER

Transfer your favourite games and programmes to Disk, multi part and Auto runs, full instructions included £7.00

ARROW SAFE

Make safe back-up copies of many of your favourite programmes, works with most software, easy to use. £5.50

ARROW MICRO SERVICES

20 Portmeadow Walk
London SE2

COPYMATE TWO

CBM 64 BACK-UP COPIER

Outstanding features include an option to **SAVE TO TAPE OR DISK**. Easy to use. Send £5.75 to: **HORIZON SOFTWARE**, 15, Banburg Close, Corby Northants NN18 9PA. Also available on disk — £2 extra

COMMODORE 64

GET THE MOST FROM YOUR DATASETTE WITH HYPERSAVE 64

Once *hypersaved*, your programs (basic or machine-code) will independently reload at ten times the normal rate. Faster than the Commodore disc drive. Full instructions provided to convert your existing software. Completely self-contained — nothing to pre-load.

Cassette £3.50
64 BACK-UP. An advanced tape to tape back-up copier. Versatile and user friendly. Cassette £3.50
Special discount Both programs £9.99

Fast despatch guaranteed. Cheque/PO or S.A.E. to:

Doisoft, 2 Oakmoor Avenue, Blackpool FY3 0EE

BACK-UP TAPE COPIERS

Unique machine code programs to allow security back-up copies of the majority of protected software. Available for:
COMMODORE 64 £5.95 ORIC 1... £5.95
VIC 20 (with...) £5.95 Atari (with...) £5.95
SPECTRUM... £5.95 BBC... £5.95
ELECTRON... £5.95 (Printer Loaded Print and Head Bowd Hat) (with full instructions)

FAST TAPE UTILITY

Commodore

COMMODORE 64 owners, at last the long wait is over — **FASTBACK** converts your software to **TURBO LOAD** — creates fast loading copies of most programs (single and multi-part) that run independently of the utility, for example 'The Hobbit' loads in 150 seconds with **FASTBACK**. Supplied on tape with full instructions only £9.95

TAPE TO DISK TRANSFER UTILITIES

Transfer games etc. to disk. Supplied on tape with full instructions for —

BBC £9.95
Atari (All models) £9.95
COMMODORE 64

NEW IMPROVED VERSION
no user knowledge required. Still only £9.95
We guarantee this is the best available. All prices include VAT.
Post & Packing, Cheques, PO or Please your £sd number to:

EVESHAM MICRO CENTRE

Bridge St, Evesham, Warwickshire
Tel: 0586 49611

THE MICRO CENTRE

1756 Pershore Road, Cotteridge, Birmingham
Tel: 021 459 4364

COMMODORE 64 AND VIC-20 BACK-UP COPIERS

For your BASIC, machine code, and multi-part programs of any size. Both are written in machine code and audio and visual prompts are used for easy operation. Full instructions are contained in the programs.

VIC IMITATOR £6
IMITATOR 64 £6

Please state which is required and make cheques/PO's payable to **IAN WAITE**

Send orders to:
**IAN WAITE, DEPT HCW
11 HAZLEBARROW ROAD
SHEFFIELD S8 8AU**

SPECTRUM KOPYKAT BACK-UP TAPE

Simply the best for **LOADING** and **SAVING** your own programs. Any of your own ZX Spectrum programs can be backed-up onto a fresh tape. 100 per cent machine code. SPECTRUM KOPYKAT uses no program area so your full size programs can be copied.

Despatched by first class return of post.

Send cheque/PO for £4.95 to:

**MEDSOFT
PO Box 84, Basingstoke
Hants RG25 2LW**

SOFTWARE GAMES

TI-99/4A SOFTWARE

Any three fantastic games for only £5.39 titles to choose from.

For full list S.A.E. to:
**BINBROOK SOFTWARE,
88 Cotterdale, Sutton Park,
Hull HU7 4AE**

SOFTWARE from £1.99

VIC-20, Commodore 64, Spectrum, post free
s.a.e. for details to

**DUKERIES SOFTWARE
39 HIGH STREET, WARSPOL
NR. MANSFIELD, NOTTS**

Computer Software and Accessories, send 2 x 16p stamps for free lists stating which computer to: Electronic Facilities, 3 High Street, Sandy, Beds. SG19 1AG

Dragon 32 owners. Cecil plays 21 (not just another card game) the card mad gambling dragon, he loves winning but hates losing and will tell you so. (Hires, personality program.) Also! Roulette and Craps. Two superb hires games on one cassette. No luck at the table? then try the wheel. Each cassette only £4.95 or buy two for £8.00. Cheques/POs to Snip Software Ltd PO Box 20, Woking, Surrey, GU21 2QN

All software available. Telephone 01 487 4839 or write to D & T Electronics, 45 Marylebone High Street, London W1M 3AD. State which computer. Mail order only.

JULY SALE

Trashman	4.55	Charlot Race	5.15
Psytron	6.15	Black Hawk	6.75
Twin King Val	7.15	Colossus Chess	7.95
Novus titles	4.30	Thor titles	4.85
Taskset titles	5.10	Microdent titles	6.20

send cheque/p.o. stating title & machine
MAIL ORDER SOFTWARE, 9 KNOWLE LANE, WYKE, BRADFORD BD12 9BE

DareTEXAS fans enter?



For the TEXAS owner who wishes to be scored stiff by skulls, gobbled by ghouls and paralysed in snake pits. Full 16K. 5 star review. Payments: £3.20
SOFTI-14 STATION RD BROUGH, HUMBERSIDE. HU15 2JQ

UP HELLIA!!

VALHALLA 64 (Legend)	£11.00
LORDS OF MIDNIGHT (Beyond) Spectrum	£8.00
SABRE WOLF (Ultimate) Spectrum	£8.00
★ WAR OF THE WORLDS (CRL) Spectrum	£5.70
★ BEACH HEAD 64 (Access)	£7.80
★ MUGSY Spectrum	£5.50
★ ARABIAN NIGHTS (Interceptor) C64	£5.80

★ Extra 25p off to Access card holders
Cheques/P.O.'s to:
**LA MER SOFTWARE
22 WEST STREET WESTON-
SUPER-MARE AVON BS23 1JU
TEL. 0934 26339**
(for your computer needs between 10-6pm)

SPECTRUM GAMES

KOSMIC KANGA	£2.99
TIMEBOMB	£2.99
ALCHEMIST	£2.99
COSMIC CRUISER	£2.99
ZZOOM	£2.99
MOON BUGGY	£2.99
THE HOBBIT	9.99

At least £1 off all SPECTRUM games.
POST FREE IN UK. SAE for list to
**G.I. RECORDS, Cockburn St,
Edinburgh Tel: 031-225 9565**
ACCESS/VISA ORDERS WELCOME

CLASSIFIED — RING 01-437 0699

WD Software CURRENT SPECTRUM PROGRAMS

Tradewind (£5 Cassette, £9.50 Microdrive)

Buy a ship, provisions and cargoes to trade between the harbours of the Coral Islands. Make a fortune if the weather and pirates let you live long enough to master seamanship and economics. A strategy/adventure game with graphics for 48K.

Jersey Quest (£5 Cassette, £9.50 Microdrive)

Following an accident, you are stranded in the labyrinth of time and must find your own way back to the Present with the aid of persons and objects from Jersey folklore. A text-only adventure for 48K in machine code (Quill).

Morse Tutor (£4 Cassette, £8.50 Microdrive)

4-19 words/minute, variable spacing, variable number of groups of random letters, numbers or mixed, random sentences, own message, single characters (including punctuation), variable pitch, FEEDBACK via screen, printer or SPEECH (phonetic alphabet via Currah u-Speech on 48K version. 16K and 48K versions on one cassette, 48K only on Microdrive cartridge.

Prices exclude VAT, but include postage. Buyers in countries where VAT or similar taxes apply are responsible for paying the tax.

**WD Software (H), Hilltop, St Mary, Jersey, C.I.
Tel (0534) 81392**

SPECTRUM GAMES

We only sell the best. Order Today, Deliver Tomorrow.

MATCHPOINT	£7.45	SABRE WULF	£8.75
TORNADO		JACK & THE	
LOW LEVEL	£5.45	BEANSTALK	£5.00
AD STRA	£5.00	WORLD CUP	£6.00
LORDS OF MIDNIGHT	£8.75		

Write or phone for our FREE brochure.
P&P FREE. Orders with cheque/P.O. to:
CYGNUS TWO COMPUTER GAMES,
62 Woodland Road, Chingford, London E4 7EU.
TEL: 01-529 1891

SOFTWARE DISCOUNTS

MICROBASE

SOFTWARE DISCOUNTS

SPECTRUM		CBM 64		CASS	DISC
TORNADO LOW LEVEL	4.95	ENCOUNTER	8.95		
BEAKY-EGGSNATCHERS	5.50	OLYMPIC SKIER	5.40		
INFERNNO	5.75	BOZOS NIGHT OUT	5.95	8.95	
AUTOMANIA	5.95	SHEEP IN SPACE	6.25		
LES FLICS	5.95	TALES OF THE			
BLADE ALLEY	4.95	ARABIAN NIGHTS	5.95	7.95	
SABRE WULF	8.45	CAVELON	5.95		
MUGSY	5.95	SOLO FLIGHT	12.95	12.95	
FIGHTER PILOT	6.55	LOCO	6.95		
JET SET WILLY	4.90	BEACH-HEAD	7.95	11.55	
WAR OF THE WORLDS	6.95	HOUSE OF USHER	5.95	8.95	
LORDS OF MIDNIGHT	8.45	SON OF BLAGGER	6.95		
PSYTRON	6.35	SCUBA DIVE	5.95		
SCUBA DIVE	4.95	THE HULK	8.95	12.45	
THE HULK	8.95	FLIGHT PATH 737	6.95	8.95	

ALL ORDERS SENT P&P FREE

SEND CHEQUE/PO TO:

MICROBASE

OR SEND SAE FOR PRICE LIST

MICROBASE (Dept. HCW1)
P.O. BOX 28
NEWCASTLE UPON TYNE
NE3 1NG

UTILITIES

Typright (c) structured cassette touch-typing course Spectrum Commodore VIC-20 Acorn Dragon only £3.50. Robsoft, Gwysfa, Conway Road, Penmaenmawr, Gwynedd.

TI-99/4A

"UNIFILE" (Cassette) Basic useful filing program £2.95 + 50p p&p.
"TRAINER PLANE" (Cassette) Ext. Basic flight simulation game super sprite 3D graphics + sound £2.95 + 50p p&p
A.C. Software, P.O. Box 3
Burntwood, Walsall WS7 9EE

WANTED

WANTED

All types of quality programs for the ORIC-1/ATMOS. Please send on cassette for immediate evaluation.
MICROSONIC
85 Malmesbury Rd., Cheddle Hulme, Cheddle, Cheshire SK8 7QL

READ OUR DEALER DIRECTORY AND FIND OUT THE LOCATION OF YOUR NEAREST COMPUTER SPECIALIST.

It's easy to complain about advertisements.

The Advertising Standards Authority. ✓
If an advertisement is wrong, we're here to put it right.

ASA Ltd, Brook House, Torrington Place, London WC1E 7HN

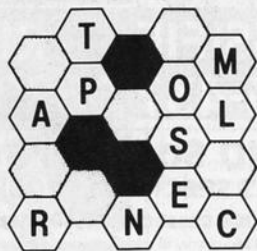
CLASSIFIED - RING

01-437 0699

NEW! NEW! NEW!

SPECTRUM SOFTWARE

by **COMPUSOUND**



BLOCK BUSTER

©1983

BLOCK BUSTER will test your knowledge to the brink. The game starts off easy, but as you pass the 'commercial breaks', BLOCK BUSTER gets harder and harder.
48k SPECTRUM. ONLY £5.95 + 50p post & packing.

COMPUSOUND



Overseas and Trade Enquiries Welcome



DEPT: SU7, 32-33 LANGLEY CLOSE, REDDITCH, WORCS.
B98 0ET. TELEPHONE: (0527) 21429 (21439 Answerphone).

SOPHISTICATED GAMES FOR VIC-20 & CBM 64

VIC CRICKET Realistic game of skill and luck with all the major rules of cricket correctly interpreted. Full scorecard, printer and game save facilities. Needs 16K expansion. £5.99*

LEAGUE SOCCER League championship game for 2 to 22 teams/players. Automatic fixtures, full action commentaries, match facts. League tables, results check, postponed games, etc. Non league matches also playable — the VIC will even make the cup draw. Printer and game save. Needs 16K expansion. £4.99*

WHODUNNIT? Twelve guest have gathered for drinks at Murder Manor. However one of them has more than drinks on his mind. Thrilling detective game for 1 to 6 players, with genuinely different murder every time. You can even re-name the suspects! Needs 8K expansion £4.99*

TOP OF THE POPS Money making game about the music business. Make your own records and see them climb the chart. Printer and game save facilities. Needs 8K expansion. £4.99*

VIC PARTY Contains MASTERWORD, A DAY AT THE RACES, GAME X (Strip Poker), and CONSEQUENCES. Four games ranging from the serious to the ridiculous. All good fun — nothing offensive. Needs at least 3K expansion. £5.99*

Commodore 64 versions coming soon

Available from

SOPHISTICATED GAMES,
Dept. HCW, 27 Queens Road, Keynsham,
Avon BS18 2NQ. Tel 02756-3427

WRITE FOR DETAILS OF OUR FULL RANGE

*P&P free (U.K. only). All games sold subject to our conditions of sale, which are available on request.

SOLO SOFTWARE SILLY SUMMER SALE

CHOOSE ANY

5 FOR ONLY £9.95

Keep the family happy for hours during the summer holidays with this super summer offer from Solo Software. Any 5 of the games below for only £9.95 complete.

You may order more than one set of 5 games and save even more:
5 GAMES FOR £9.95
10 GAMES FOR £18.90
15 GAMES FOR £27.85

SNAKER Search the woods for the wealth of the serpent king whilst being pursued by his servant snakes. Then escape avoiding the guards.	TRACKER While hunting the many beasts you must never cross your own tracks. The speed gradually increases - PANIC!!!!	ALADDIN'S CAVE Avoiding the crazed geni, you must find the fastest way out of the caves and collect as many jewels as you can.	UPYOURS A humorous (not to say insulting) character analysis program based on the answers you give to some probing and personal questions.
SAFE-CRACKER Catch the robbers who have broken into the bank vaults without getting doberbed.	PARA-SHOOT Your gun tower is under attack from parachutists. Either shoot the planes before they drop the troops or kill the commandos as they descend.	CHANNEL TUNNEL Race the computer guided French to complete your tunnel in the most economic way. Avoid digging through solid rock as this slows you down.	HEADACHE Try to escape from this labyrinth of corridors whilst being chased by a maniac with a lawn-mower.
LAZER BLAZER You must destroy all the invaders before your time runs out - but you must kill them in the right order to score maximum points.	OFFER ONLY AVAILABLE FOR: 		SUPER-MOUSE A cat and mouse game where you are the cat searching for the real mouse. But watch out for SUPER-MOUSE because he kills pussies like you!
FISHERMAN FRED For the younger games player. Try to help Fred catch some fish for his tea. Six skill levels.	THREE CARD BRAG The traditional card game but you must play the computer. You may bluff if you wish but so will he and he's pretty good at it!	GOLD MINER Find the real gold hidden in the mine-maze whilst being chased by the miner. Don't get walled in.	DOMINATION A game of battle and conquest for two players. Each side takes turns to attack, defend or retreat. Based on strategy - not luck.
INCA GOLD Fend off the horde of bandits who are attempting to rob the tomb. You can move the gold or kill the bandits with your sword.	TYPE TRAINER Learn your way about the standard QWERTY typewriter keyboard. Tests at 4 skill levels and gives scores in words per minute. Really useful.	COMPUT-A-SLOT An all-action simulation of a slot machine complete with HOLD and even a handle to pull. Scores for 2 or 3 of a kind plus mystery pay-outs.	CONVEYOR Fast fingers and quick wits needed to sort the items on the conveyor belt into the correct places before the scrap bin overflows.

PLEASE CIRCLE THE GAMES YOU WANT ON THE LIST BELOW AND RETURN TO:-
 SOLO SOFTWARE LTD, 95B BLACKPOLE TRADING ESTATE WEST, WORCESTER WR3 8TJ

ALADDIN'S CAVE	PARA-SHOOT	SAFE-CRACKER	CHANNEL TUNNEL
HEADACHE	LASER BLAZER	SUPER-MOUSE	GOLD MINER
DOMINATION	THREE CARD BRAG	TRACKER	UPYOURS
FISHERMAN FRED	SNAKER	INCA GOLD	CONVEYOR
TYPE TRAINER	COMPUT-A-SLOT		

I ENCLOSE A *CHEQUE/*POSTAL ORDER/*CREDIT CARD NUMBER FOR £ _____

MY *ACCESS/*BARCLAYCARD Account Number is _____

*delete where applicable


NAME _____

ADDRESS _____

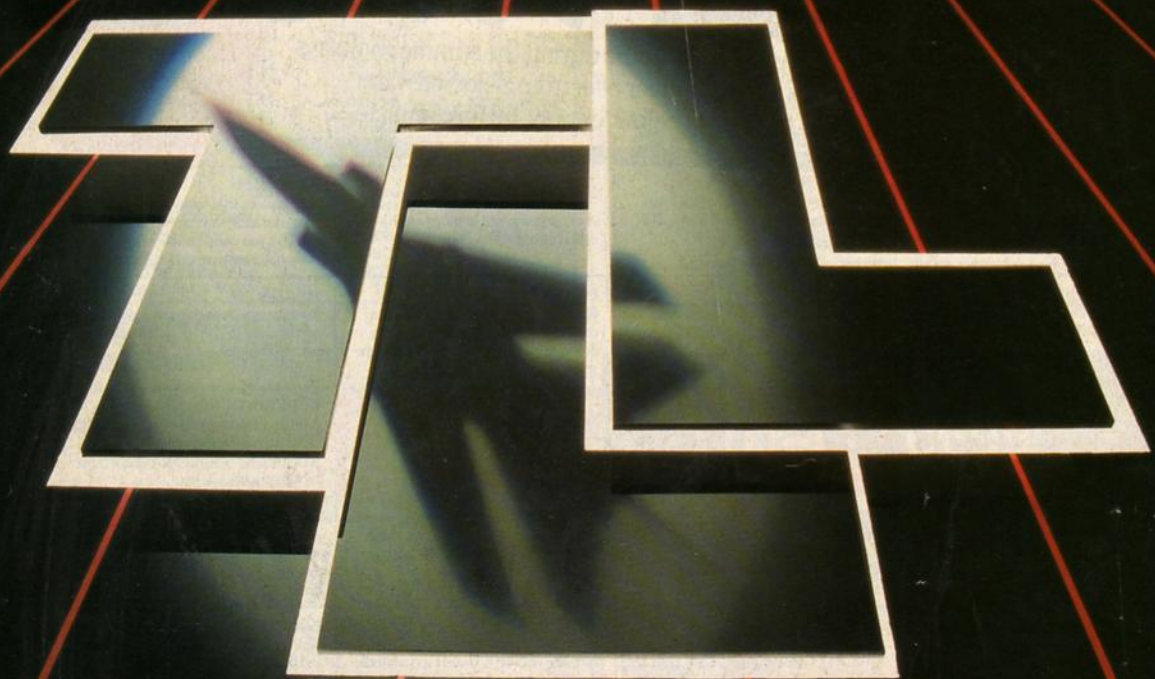
For 24 hour telephone service
 you may order on
 ACCESS or BARCLAYCARD

SOLO SOFTWARE

This offer closes
 on August 31st, 1984

 95B Blackpole Trading Estate West, Worcester Telephone (0905) 58351 (24 hrs)





IF ANDROID TWO MADE THE CRITICS RAVE, T.L.L. WILL GIVE THEM HYPERMANIA.

And why not?
It has the finest graphics yet to emerge from
a Spectrum game.

Fly the latest swing-wing fighter
bomber, with full 360° control.

Seek out and destroy enemy targets.

Land, refuel, take off at will.

With 3D multi-screen, multi-directional
wraparound landscape, it's guaranteed to give
your brain hypermania.

Fly Tornado Low Level today – just one in a
series of mindblowing action games.



PLEASE RUSH ME T.L.L. SPECTRUM 48K **£5.95**
 ANDROID TWO SPECTRUM 48K **£5.95**
 ANDROID ONE SPECTRUM 16K. 48K **£4.95**

TOTAL VALUE **£**

Games suitable for keyboard and joystick

NAME

ADDRESS

BLOCK LETTERS PLEASE

Enclose PO/cheque payable to VORTEX SOFTWARE and send to
VORTEX SOFTWARE, 280 BROOKLANDS ROAD, MANCHESTER M23 9HD.
DEALER ENQUIRIES · CALL 061 973 9580

· VORTEX ACTION GAMES · AVAILABLE FROM ALL LEADING RETAILERS ·