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THE  
WARLOCK**  
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Of A Game

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# WARNING

## TOO LATE!



WE WERE ABOUT TO WARN YOU OF THE DEVASTATING EFFECTS OF...

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BUT WE  
MISTIMED IT!

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A two way test of skill and nerve - can you out-maneuvre the awesome ogre and blast a path through the myriad of colourful blocks and on the return, are your reflexes fast enough to retrieve the speeding missile, deflected from its block shattering journey or regurgitated contemptuously from the ogre's mouth.

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A 4-game  
compilation of  
outstanding  
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### 1. THE WAY OF THE TIGER

1

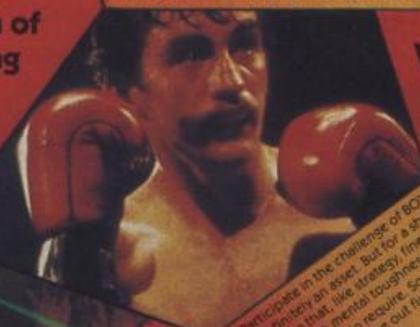


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2



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3



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4



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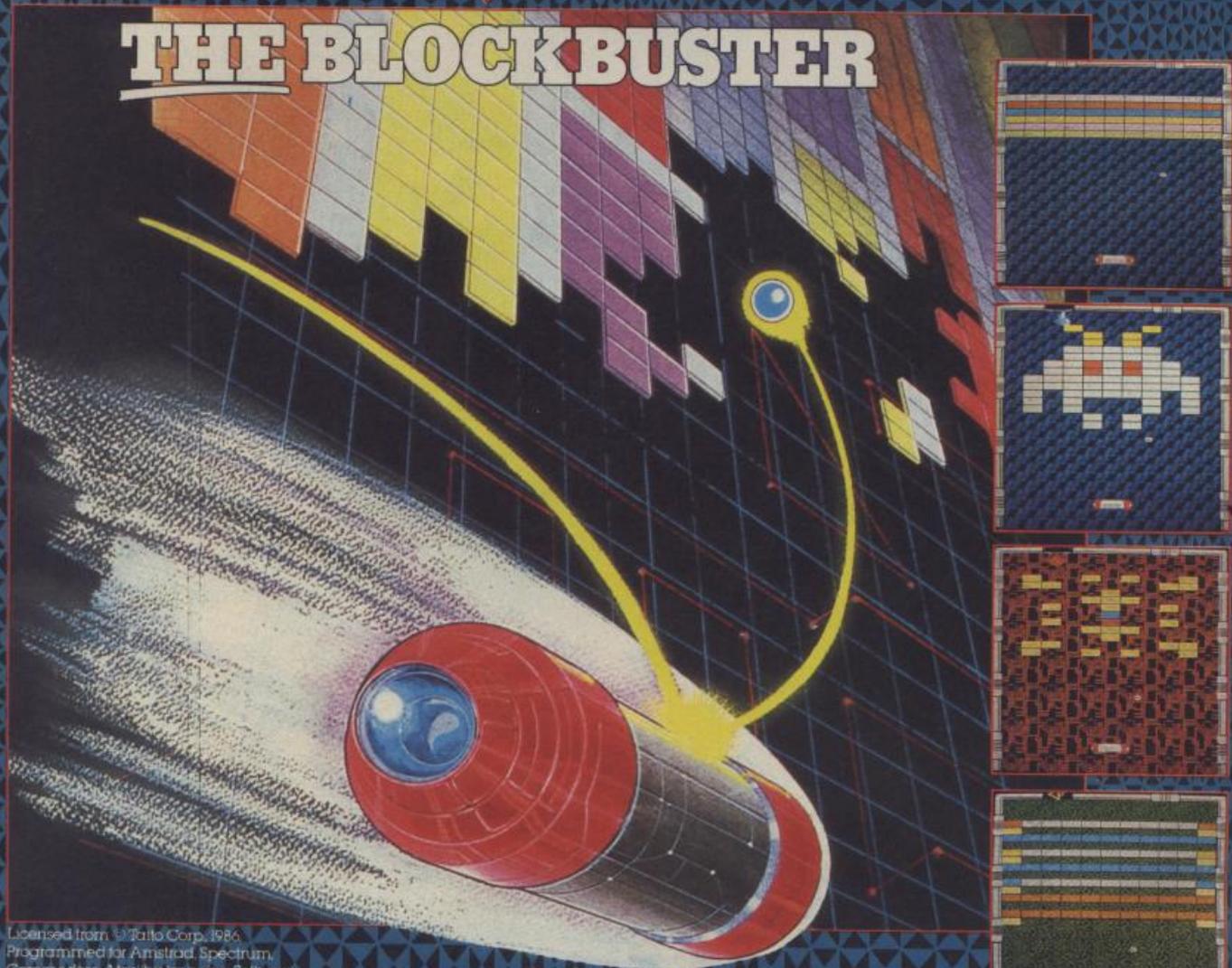
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Screen shots taken  
from Arcade version.

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# insideYS

## COVER GAME

20

**Nemesis The Warlock**  
Martech's fiendish new  
megagame previewed.



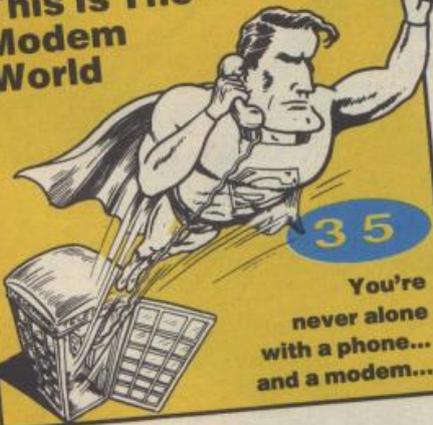
## SCREEN SHOTS

39

How many games reviews? Two  
little ducks (quack, quack)!

- Sigma 7/Durell
- Shockway Rider/FTL
- Trap/Alligata
- Leader Board/US Gold
- Shadow Skimmer/The Edge
- Judge Dredd/Melbourne House
- Bazooka Bill/Melbourne House
- Acrojet/Microprose
- Brian Clough's Football Fortunes/CDS
- Colony/Mastertronic
- Little Computer People 128/Activision
- Greyfell/Starlight
- 10th Frame/US Gold
- Loco/Alligata
- Vulcan/CCS
- Butch Hard Guy/Advance
- Feud/Bulldog
- Jailbreak/Konami
- Dizzy Dice/Players
- Transmuter/Code Masters
- Brainache/Code Masters
- Nether Earth/Argus

This Is The  
Modem  
World



35

You're  
never alone  
with a phone...  
and a modem...

## POSTER MAP

54

**Fist II** Everybody go kung fu  
finding!

## PREVIEWS

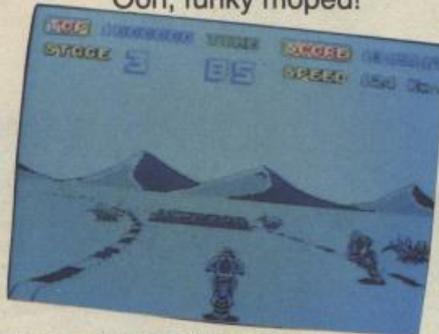
9

- Into The Eagle's Nest/Pandora
  - Flunky/Piranha
- Head Over Heels/Ocean
- Saboteur II/Durell
- Koronis Rift/Activision
- Martianoids/Ultimate
- Swat/Alpha Omega
- Four Minutes To Midnight/8th Day Software
  - Cyrox/Alpha Omega
  - Arkanoid/Ocean
- Timeflight/Alpha Omega
- Battlefield Germany/PSS
  - Matt Lucas/Players
  - Bombjack II/Elite
  - Tobruk/PSS
- Anfractuous/Players
- Tomb Of Syrinx/Alpha Omega

## MEGAGAMES

31

**Enduro Racer/Activision**  
Ooh, funky moped!



**Rana Rama/Hewson**  
Hop to it little froggies!

52



## ADVENTURES

82

Hi ho, hi ho, adventuring we go.

- The Serf's Tale/Players
- The Zacaron Mystery/Players
- The Book Of The Dead/The Essential Myth
- Winter Wonderland/Incentive
- Operation Stallion/Wrightchoice Software

## PROGS

55

**Program Power Pull-Out  
Network** — type this in and dodge  
those draughts!

## HINTS 'N' TIPS

- Hack Free Zoo** ..... 23  
Goin' to the zoo, zoo, zoo —  
you can come too, too, too!
- Hacking Away** ..... 29  
Much better than a pig in a  
POKE.
- Task Force** ..... 90  
Ian Hoare bytes back!

## COMPOS

- Starlight Compo** ..... 45  
We'll get you there to see  
Starlight Express, and you'll be  
Greyfell we did!
- Fist II Compo** ..... 69  
Fancy a knuckle sarnie? Have  
75 copies of *Fist II* instead!

## CARTOON

- Jack The Nipper** ..... 75  
Jack takes nips when he  
should be getting kip!

## PROGRAMMING

- Heart To Hartnell** ..... 95  
Feeling out of sorts? Tim  
Hartnell has the cure!

76

**Vox On  
The Box**  
Do not adjust  
your settee!

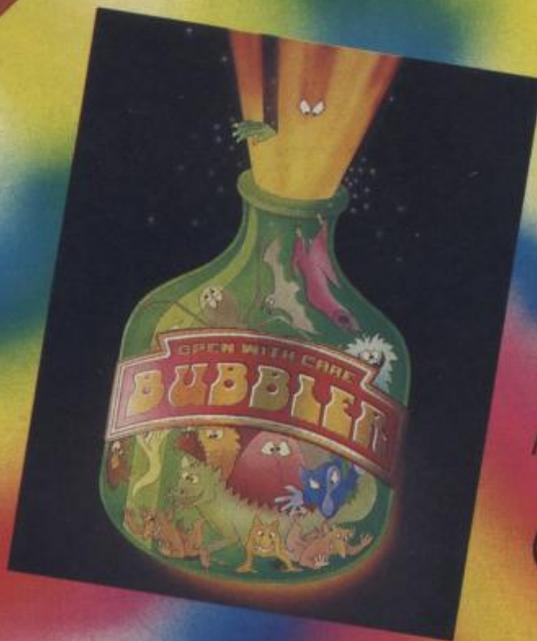
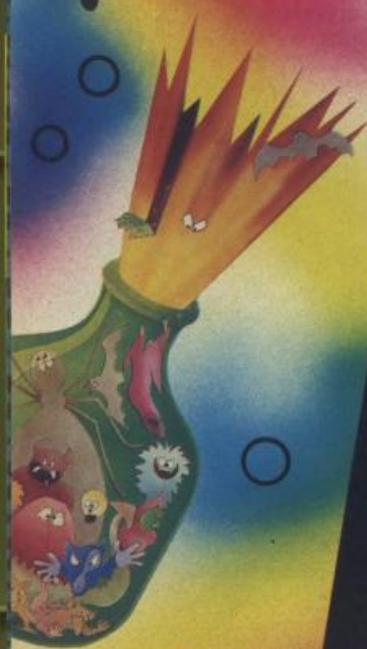
## REGULARS

- Frontlines** ..... 6  
Gonna news it up! Gonna  
share it out!
- Letters** ..... 16  
All write, already!
- Hit List** ..... 26  
Feeling down? Let the charts  
perk you up
- Binders** ..... 78
- Your Spectrum**
- Back Issues** ..... 89
- YS T-shirt Ad** ..... 93
- Fanzine Winners** ..... 97
- Compo Winners** ..... 98  
Have you hit a winning streak?
- Reserve Ad** ..... 100
- YS Subs** ..... 102
- Your Sinclair**
- Back Issues** ..... 104
- Input Output** ..... 108
- T'zers** ..... 112  
We aim to tease!

## TALK TO US

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# HUBBLE BUBBLE & MARTIANOID TROUBLE



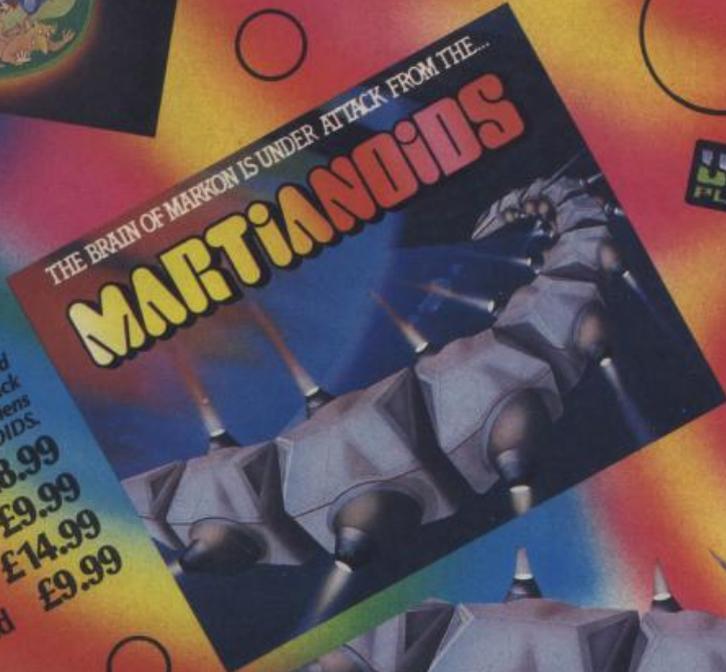
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# COULD THIS BE YOUR PROGRAM?



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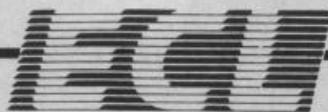
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URGENTLY REQUIRED, Arcade, Utility, Business Programmes for the 2x Spectrum

# DRIP DRIP DROP LITTLE APRIL



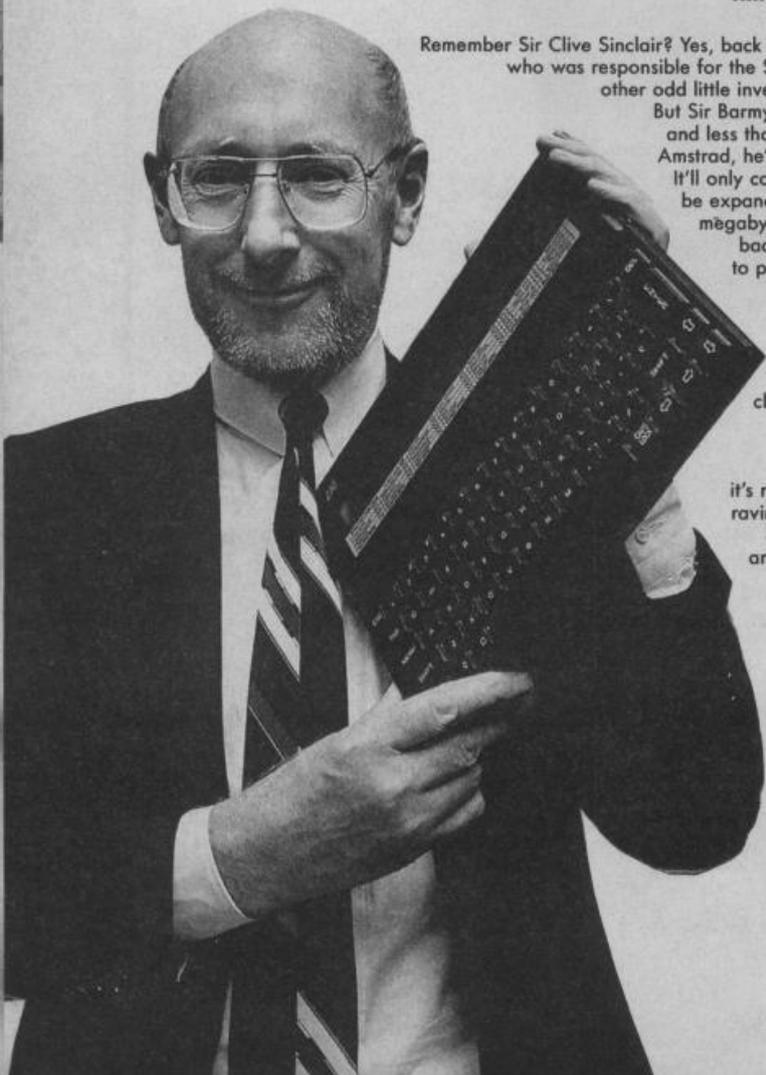
When is a watch not a watch? When it's a fabby new Seiko RC-1000 Wrist Terminal, of course! You mean to say you don't know what a splendid little database, diary, calendar, memo, and international time check it is? Where else could you get the phone number of the butcher, the time in Kuala Lumpur, all your appointments for the next six months, and a well 'ard full function alarm watch — all on your wrist! It's

all made possible through the super little RS232 socket at the back of the Interface One, and a program to load into your Speccy so you can type in data to transmit to the watch. And it only costs a measly £44.95, from Data-Skip, Lange Willemssteeg 10, 2801 WC Gouda, Holland. It's just about time Frontlines had a new watch.

**Ssssssh! Frontlines has a secret. Come over here and we'll tell you (pregnant paws.) Don't, whatever you do, tell anyone else we've let the cat out of the bag 'cos it'll be cat-astrophic and someone'll have kittens. Whisper... whisper... The Edge has just got the rights to bring out a series of games — shock, horror, probe — based on that cool cat, Garfield! The first release, *Big Fat Hairy Deal*, sounds purr-fectly wonderful and should be out in time for Easter. Meow!**



Remember Sir Clive Sinclair? Yes, back in 1904, it was Old Beardie who was responsible for the Sinclair Spectrum, as well as other odd little inventions (fill in C5 joke here). But Sir Barmy doesn't give up that easily, and less than a year after selling out to Amstrad, he's got another computer out. It'll only cost £200, and it'll eventually be expandable to a breathtaking four megabytes of memory! Now for the bad news — you won't be able to play *Gauntlet* on it. The Z88, as it'll be called, is a lightweight laptop business machine, the sort you see men in suits using on transatlantic flights (club class, of course). It's even got a revolutionary new silent keyboard (that means rubber, chaps). Naturally it's not finished, but everybody's raving about it, using words like "breakthrough", "benchtest" and "integrated spreadsheet" How vulgar!



## Selections from PROF. I.M.A. KLUDGE's Dictionary Of Computing

(Part One of a regular series of unalphabetical jargonese for the hard of thinking)

- bug**, (bugg) *n.* A small defect in a program, which changes every time you use it. Usually disappears completely when you show someone else. (See feature, program)
- game**, (gAYm) *n.* A computer program which performs really complex mathematical functions, looks beautiful but does absolutely nothing.
- hex dump**, (heCKs-duhmp) *v.t., i. & n.* When the computer throws the program, which you just spent four hours typing in, into the bit bucket before you can save it. (See bit bucket)
- utility**, (YOO-tilli-TEA) *n.* A program which looks really boring and does something you could program yourself in Basic in ten mins. (NB. Usually reviewed on *Micro Live* as a State Of The Art program. "... and all this is done with a piece of silicon as big as my fingernail...")
- feature**, (fee-CHUR) *n., & v.t.* (esp. of utility programs) Honouring your errors as disguised intentions.
- bit bucket**, (BITT-buhKET) *n.* Mythical vessel supposedly under your desk to catch all the bits as they fall out of your computer. (i.e. when you switch off)
- program**, (proe-GRAMM) *n., & v.t.* Hastily assembled list of commands for a computer to follow. Usual product of programs (esp. games) is vast quantities of people who throw money at the people who write them.

To be continued ...



My first is in sow  
My second in pigs  
My third is in grunt  
My last in Pork chops in cider and figs.  
What am I? "Wgnpl" Peabrains, I'm Oink, the comic that's nearly as side-splitting as YS. And guess who's just licensed the title to produce the game, and probably the T-shirt, soundtrack and personalised boxer shorts? My first is in cauliflower... oh okay it's CRL. *Oink* should be trottering into the shops sometime in July — it'll be a snorter.

## NEW! SPECTRUM +3

Amstrad's determination to drag our fave computer a-screamin' and a-scratchin' into 1987 continues with the news that that lump Sugar is planning a new assault on the Speccy market. And after the +2, you won't be surprised to learn that the new one's called... the +3! Hey, he can count! This one comes complete with a 3" disk drive where the cassette recorder should be, so we might finally be able to enjoy games like *Little Computer People* without waiting four hours for it to load. What's more, it'll set you back a mere £200. Keep your eyes glued to these pages for further details on the new machine. Ugh — we can't see!

# frontlines

**BOLT UP!**



Got a headache? You never know, it may be that bolt through your neck. And it's wise to get suitably attired, 'cos CRL is about to launch its new adventure, *Frankenstein*, on an unprotected world. Unfortunately we can't quite run to bolts, but you can win an amazing Frankenstein mask plus a copy of the game (we've got ten of each to give away) by answering this simple question:  
**Who was Frankenstein — the monster or its creator?**  
 Send your entry on the back of a postcard to Doin' the Monster Mash Compo, Your Sinclair, 14 Rathbone Place, London W1P 1DE.

Hello, my name's Choo..Chee..well, that's not important right now. You probably never thought I could talk, did you? Well, below this butch inarticulate exterior, there's a sensitive intellectual person with a fondness for Japanese cooking and interior decorating. It's all Equity's fault — they won't let you say "Right ho squire" on film unless you're British and I come from the planet Rigel 4. Still, that's not why I wanted to talk to you. Apparently that corking old arcade game *Star Wars: The Arcade Game* (good name, that) is finally coming to the Spectrum, courtesy of Domark. Of course I don't feature in it. That's why I'm here holding up Domark's Dominic 'okay, yah' Wheatley. Unless I receive 100 tons of fresh bananas, two litres of Perrier with a twist of lemon and a Mark 1 Whizzowhoosh Space Cruiser, I'll blow... my nose!



Suffering from insatiable ferocious, violent hunger? (Oh yes! Ed). So's this mutant little creature 'cos all the food's run out. He's known as Sqijj to his mates (not that he's got many, they might nick his nosh). Coming soon to wreak havoc on the world — **SQIJJ** from Alpha Omega's Power House. Sqijj 'em flat, lads!



Are you tired and listless? Do your magic spells fizzle instead of flash? Are you bored and irritable? It could be that you don't know where your Orb is! Being an evil Warlock isn't all beer and skittles, and it's not until something like this happens that you really wish you could lay your hands on that stupid orb... The Lord Of Light is turning all your warriors and followers to GOOD, so until you can find that Orb... well, you might as well give yourself up. *Warlock* is the very newest "multi-role arcade fantasy" game, coming soon from The Edge.

## RAUNCHY FROLICS OF A TODDLER!

Coochie coochie cool Gurgle, gurgle. Nappy noo nahs. Starting this month we've got a fab new cartoon starring that nawty toddler, *Jack The Nipper* from Gremlin's spanking game. Even better, Chris 'go-ahead' Donald, the extremely talented Editor of the very nawty organ *Viz*, is drawing it for us. Imagine our surprise when he sent us this mugshot — you'd never believe he's 53!

**VIZ** COMIC

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*Sid the Sexist*  
*The Brown Bottle*  
*Judge Dudd & more!*

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Nothing exhausts! **SEX FROLICS OF THE WEATHERMEN**

In this issue... **IS PRINCE EDWARD SOFT?** We ask him anyone what's got

We've got a great **RUDE** WORD COMPETITION place lots of other things as well!



## Trainspotters Through History

Second in a series. In conversation with the world's greatest ever trainspotters.

### 2: Ronnie Corbett

"Hello. (Snort) Good evening, and welcome to my chair. It's a very uncomfortable chair, and you're welcome to it! Ha ha. I don't know if you know this but... well, you see my producer Timmy (wave hands) is something of an enthusiast... you know, he likes things that are long, black and steamy. Ha ha. (Pushes glasses up nose) No, not Daley Thompson, trains! He's a trainspotter, silly. But then aren't we all? (Wiggle in chair). Anyway, so he told me this joke about trainspotters the other day... it was quite funny but... ha ha... you know I just... ha ha... can't remember what it was. Oh yes, that was it... 'How do you break a trainspotter's finger?' No? No idea? 'You punch him on the nose!' Ha ha ha ha ha. Well I thought it was funny... And, it's goodnight from me and probably from him!"





•PREVIEW•PREVIEW•PREVIEW•

# FUTURE SHOCKS

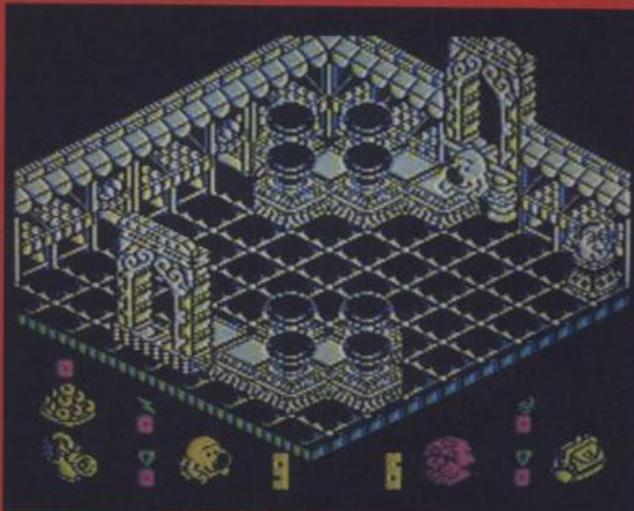
## HEAD OVER HEELS

Light years away from the solar system, the Blacktooth empire (obviously been eating too many sweets) rules over its crushed and defeated subjects. Nearby, citizens of the planet Freedom get a bit worked up about signs of military expansion on Blacktooth, and send in a spy to cause unrest on the slave planets. Well, two spies actually — one's called Head and the other Heels. Like all Freedomites (Freedomions? Freeman?) they are a pair of symbiotic animals who've adapted to living on top of each other (Nawty! Ed). They are the Freebies' only hope.

Slight problem, though. Head Over Heels get caught, separated and imprisoned in the castle headquarters of Blacktooth. But all is not lost 'cos their cells

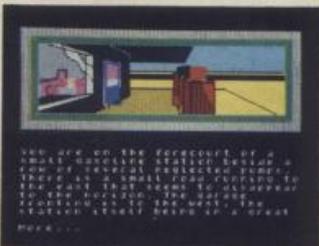
contain some keep fit equipment including a wall ladder that Head must learn to climb. It's up to you to get them out of the castle so they can rejoice and rejoin. Then it's off to the Moonbase headquarters where you must try and escape back to Freedom, or if you're a hero, teleport to the slave planets to search for the last crowns.

Sounds weird, huh? Ah, but this is the latest game from the warped minds of Jon Ritman and Bernie Drummond, the geezers behind the all-time classic *Batman*. And we're promised a 3D extravaganza with amazing graphics that lives up even to the stratospheric standards of that great game! Drool, slobber! (No release date yet, but it won't be long...)



## FOUR Minutes to Midnight

It's four minutes to midnight and civilisation as we know it has come to an end! (BBC 1 has just closed down.) That's the storyline for the new adventure from 8th Day Software. 90 percent of the world's population has been wiped out by a bacteriological disaster (sounds like they ran out of Domestos to us), but some people have survived — immune to the strain of the super-plague set free. You must journey across America, recruiting the people you meet to form a band that will re-establish themselves in the wake of disaster (and we don't mean Status Quo). On your journey, you'll also come across silos of nuclear missiles which are unguarded and can be dis-armed, so you can free the world from the threat of nuclear weapons for good. Yaaay! *Four Minutes To Midnight* is out now and it'll set you back £2.99 — not much to pay for a chance to rule the world!



## KORONIS RIFT

Koronis Rift? Don't ask us but it seems that Activision has just released a new game about a mega-amazing heavy metal band full of long-haired hippies with speech impediments... er sorry... (*Saxon... frassen... blah... Ed*). Oops, we've made a boo boo (Okay Yogi) — it's actually called *Koronis Rift*. This 'ere rift is a place, not an argument, though there'll be one hell of a barney if the Guardians of the Rift catch up with you. After all, as a Techno-scavenger (a sort of intergalactic Steptoe) you shouldn't really be there. Get past those Guardians though and the pickings are rich (ugh!) though you'll have to plan which ships you're going to loot very carefully. *Koronis Rift* is a fast moving action-strategy game from Lucasfilm and it should finally be making an appearance later this month (honest!) priced at £9.99.

## TOBRUK

Right chaps, here's the gen. Our chaps have taken Tobruk and pushed Johnny Nazi back to Gazala. Now our sapper johnnies are laying half a million mines over a massive strip between Gazala —

"Sir, isn't that some sort of corn oil?"

Belt up, yer blithering idiot. Now where was I?

"About a foot to your right, Colonel."

Thanks... massive minefield between Gazala and Bir Hachem. Now from intelligence reports we've learnt that blackguard Rommel is planning to launch a Hun offensive before we've finished laying the mines. Typical Boche dirty tricks department. So what are we going to do, men?

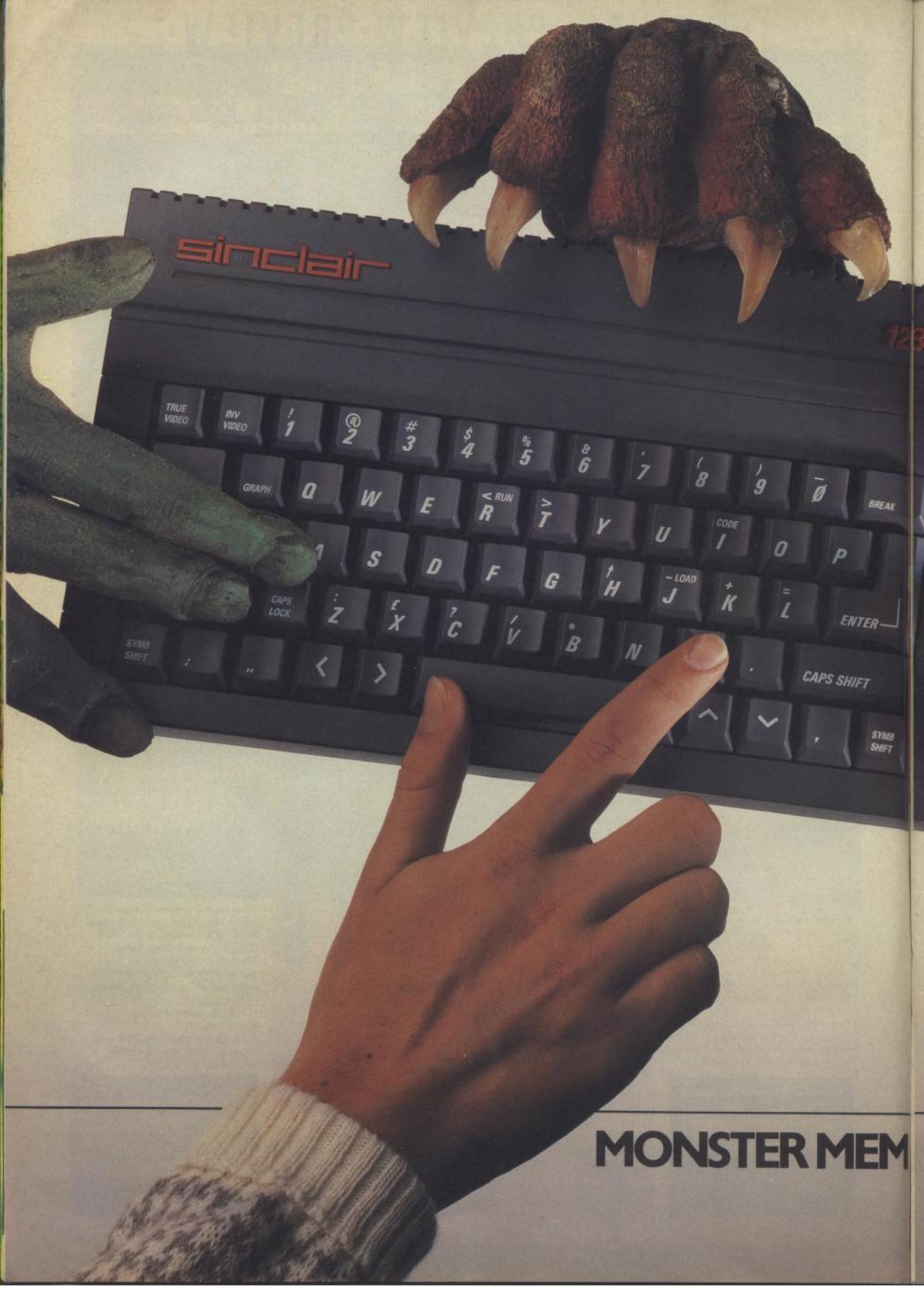
"Lose, sir?"

Hmmm, good thinking,

Carruthers.

*Tobruk*'s out now from PSS — loads of strategy and arcade excitement for £9.99.





sinclair

123

MONSTER MEM

# GET YOUR HANDS ON THE NEW SINCLAIR 128K +2. BEFORE EVERYBODY ELSE DOES.



The new 128K ZX Spectrum +2 is more than just a monster memory.

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We recommend Sinclair Quality Control Software.

To: Sinclair, P.O. Box 462, Brentwood, Essex C14 4ES.  
Please send me more information about the Sinclair 128K ZX Spectrum +2.

Name \_\_\_\_\_

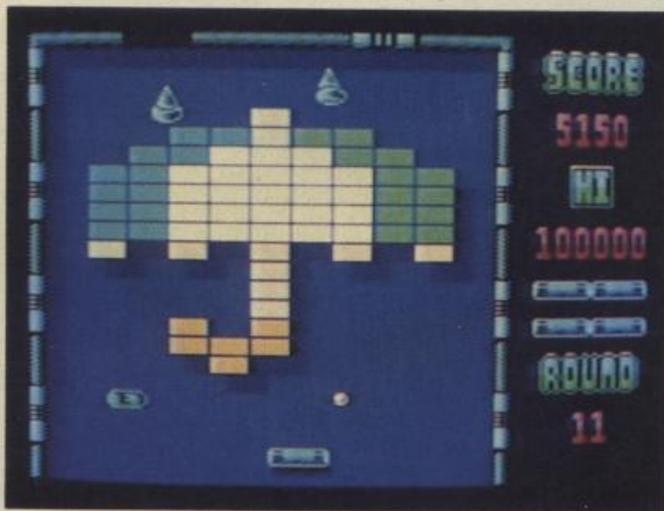
Address \_\_\_\_\_

# sinclair

# FUTURE SHOCKS

## ARKANOID

You've played it in the arcades, you may have won it in Y&A and now it's on the Speccy! *Arkanoid* is Taito's ludicrously addictive updating of Breakout, the arcade game that only the Managing Ed is old enough to remember. You know the one — battering the bricks and bouncing the ball off your bat, yet eight billion times more fun. Even though it does 'ark back to the earliest days of joystick juggling, you won't be anoid by *Arkanoid*. 32 screens of wall-battering fun — do we really deserve it? Ocean obviously thinks so, 'cos it's releasing it later this month for just £7.95. Coo ur gosh!



## TIME FLIGHT



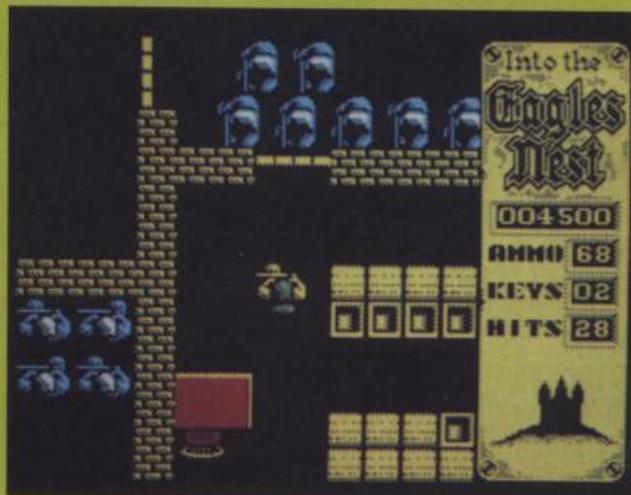
Have you got the time? 'Cos Alpha Omega's got the inclination with *Time Flight* — its latest frantic arcade game. Collect the letters W, A, R and P to go through into the next Time Zone, zapping various meanies as you go. You begin with a bi-plane and progress through the levels to a spaceship where the game gets real hard. In fact it's so hard that Alpha is offering a special prize of a rare autographed copy of *The Science Fiction And Fantasy World Of Tim White* for the top scorer of 1987. *Time Flight* is out in March at £1.99 — what are you waiting for?

## INTO THE EAGLE'S NEST

Have you got eagle eyes and groping hands? You have? Well, you must be an action man (Wallop! Ed) and just the right person to play Pandora's new release *Into The Eagle's Nest*. You're a man with a mission to infiltrate and destroy the stronghold of a top enemy commander. If you manage that you've then got to rescue three fellow saboteurs held prisoner in the bowels of the fortress, and purloin as many of the antiquities as possible from the commander's private collection, and they don't include Ronnie Raygun!

Although you may spot certain

graphical similarities with another famous Speccy game (What, you mean the one beginning with G and ending with auntlet? Ed), *Into The Eagle's Nest* is a much harder and more challenging shooter. There are eight levels, but you can only sustain 49 hits without medical assistance, so you need to be mega-careful whenever you're dealing with the eight billion guards on patrol. And you've only got 99 bullets to fire about, which rules out indiscriminate zapping. Still, you'll have to take our word for it for now, 'cos it's not out until the end of March, when it'll cost you £8.95.

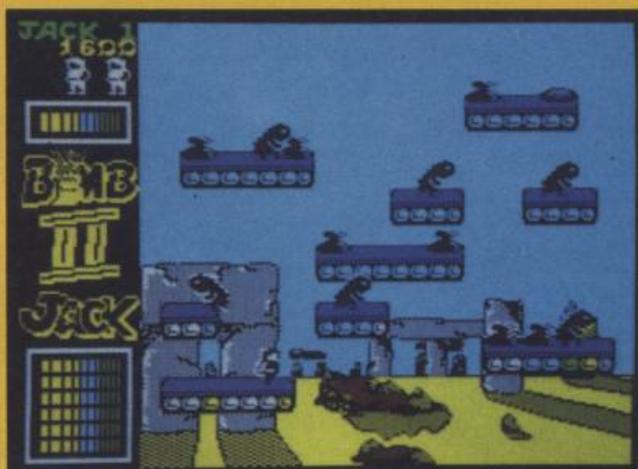


Okay, it does look a bit like the big G, and some of the features are very similar. For a start, Yale be a chubb not to pick up any keys that're going — you'll need 'em to get into the most important rooms. But tactics are another matter. With only 49 hits before you turn your toes up, it's wise to keep clear of the guards. Fortunately you can shoot them from a distance, so keep away and fire. You'll need two shots to finish them off.

# FUTURE SHOCKS

## BOMB JACK II

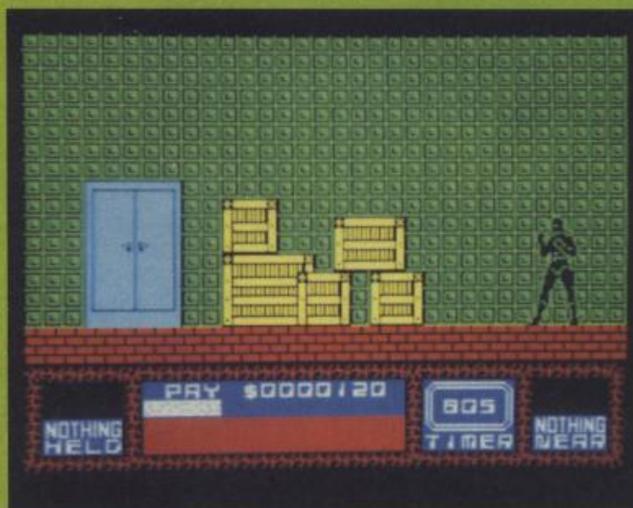
"Name?" Ron Noggis. "Occupation?" President of the Association of Allied Trainspotters, Engine Watchers and Coach Inspectors. "Specialist Subject?" Spectrum Games. "Thank you, Mr Noggis, you have two minutes on Spectrum games from... now. Who released *Bombjack* to great acclaim and success in 1985?" Elite. "And what's the forthcoming sequel to that game, featuring superhero Jack fighting his way through 40 screens of arcade action from reptile-infested lava pits to outer space?" Er... *Commando 87*? "No, that's not due for a while. Try again." *Trojan*? "You're not supposed to know about that — it's a secret." I read it in *YS*. "Then you should know about *Bombjack II*, you ignorant pillock. Not only do you get 40 brand new screens, you also get the original game on the other side! And you know nothing of this! Don't you read a word of *YS*? You..." Beep beep beep! "...I've started so I'll finish. You miserable little specimen of microcephalic sub-human detritus. Thank you, Mr Noggis, you have scored no points."



## TOMB OF SYRINX

Blocked up nose? Got the snuffles? Tombs make you breathe more easily! Especially the *Tomb Of Syrex*, sorry *Syrinx* from Alpha Omega. You're entombed in a tomb, funny that, and unless you fancy being a corpse you must find your way out. Armed only with a laser gun you must locate the five golden keys of *Syrinx*, but beware the Immune Guardians — they never get a cold! Can you escape? Course you can, Malcolm! *Tomb Of Syrinx* costs £1.99 and should be out by the time you read this. Atishool Thanks!

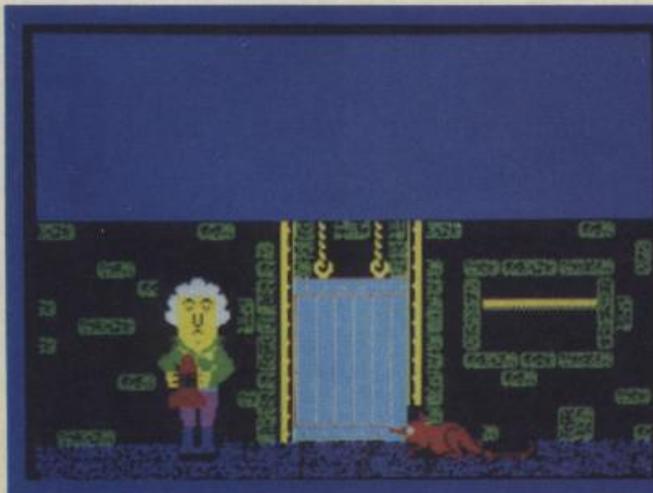
## SABOTEUR II



Little girl lost? Hardy! Our heroine is a black-wrapped figure of death, a bottomless pit of fatal ninjaries! (groan!) In her search for her brother's killers she must destroy the giant guards which patrol the complex... look, is that one behind the packing case? Look out behind you!

Remember Sab? Pity he copped it at the end of the original game. But all is not yet lost. (Is it ever?) Sab's sis Nina is on hand, and you're playing her (sorry boys, this is woman's work). Your mission, Jim, should you choose to accept it (not that you've got much choice) is to fly into the enemy camp on your hang glider and foil the baddies' plans to make an unnamed city.

You do this by collecting bits of paper tape on each level, while beating up anyone who gets in the way, of course. When you've got the lot, you're given the code for the next level and then it's onwards and upwards until you finally reach the master computer, from which you can sabotage the missile. In between there are guards to kill, dogs to avoid, electric fences to switch off, motorbikes to find (well, one anyway) and lots of weapons to pick up and use on the assorted thugs. The graphics look pretty lively, though they're not completely finished yet. *Saboteur II*'s due on 26th March, priced at £7.95. You can't nudge at that, can you?



## FLUNKY

Cor, worra Flunk! It's Flunky, the star of Piranha's new Don Priestley game of the same name. Flunky's flunked out and decided to apply for a job as a footman at Buck House. With more smarm than Nicholas Parsons he's purrfect for the job and enters the Palace with more ease than Michael Fagan. As a rather lowly flunky he must light the Queen's fire and turn on her lights but first he must avoid getting ratted by the comiferous rat, evergreen in the cellars. Once he's done that he's dressed by the Major-domo and it's into the Palace to do what a flunky's gotta do! Along the way he'll meet a right royal bunch such as HM the Queen, Merry Margeret, Phil the Greek (*What with? Ed*), Randy Andy and Big Ears, sorry, Prince Charlie (*What a Noddy joke. Ed*). If he carries out their orders he'll be rewarded and rise in the Flunky ranks. Watch out for *Flunky* in May — you'll be amused!

# FUTURE SHOCKS

## CYROX



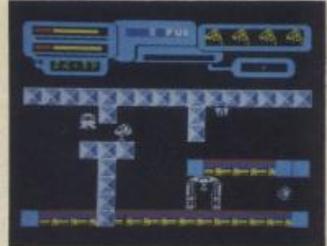
Tense nervous headaches? Throbbing pains after a hard day's work? Stiff, painful bits? Relax in a Cyrox bath or better still have a butchers at the screenshot. The Galactic Federation needs you! Silos Maximillian, that well-known newspaper publisher, has stolen a priceless (the tag fell off) shipment of Cybor power crystals. It's up to you to recover them by teleporting down to the dead planet of Cyrox. Armed only with freeze bombs you must take on Maximillian, public enemy, sorry enemy, number one and his vicious robots in a battle to the death. Remember... stupidity leads to death or working on YS. Alpha Omega's Cyrox is out at the end of this month at £1.99.

## MATT LUCAS



It was a dirty day down in Miami — the weather was dirty, the broads were dirty and so were my underpants! But the dirtiest deed of all was the kidnapping of my friend and partner, John Harpinger. How could I get him back? Or perhaps this was the day for some deep-sea fishing. Fortunately the nappers were not only ruthless but clueless too. At least they must have been after all the clues they left around for me. So I threw aside the fishing rod and went out on the streets. Here was a case I could solve — it had a zip instead of a combination lock. After 15 years on the job, it was about time I got one right... You too can solve Matt Lucas' case on Players' latest graphic adventure, out now at £1.99.

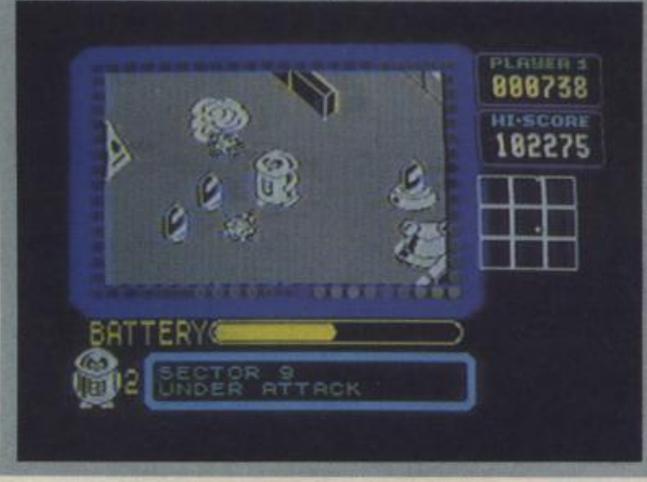
## Anfractuoso



No, it's not a contagious disease, it's Players' latest game set on the thickly crusted ("Mmm sounds like a Frey Bentos pie" said Dougal) planet Anfractuoso. Eek, the solar system has become unstable, all humans have been evacuated, leaving only the Cyranium mines and a poor abandoned mining droid. Whatever next? (Don't ask me, Ed) It's time he shuttled to safety but first he must collect the eight fuel cans scattered around the planet, but it's not going to be easy 'cos there are millions of marauding meanies to contend with. And even when he's got the fuel cans he must disable four switches to enable the shuttle to take off. Can you help him? Anfractuoso will be out by the time you read this at a budget price of £1.99.

(Deep, resonant voice) "You are the Guardian of The Brain of Markon." What, again? That's the third time this week! No, but seriously, (canned laughter), it's up to you to defend, maintain and activate The Brain, a vast computer that operates the spacecraft 'The Markon Dawn'. But, of course, the ship comes under attack from vicious and barbaric Martianoids! Familiar scenario, hein? Not 93 million miles from Ultimate's old classic, *Alien 8*. Amazingly, it's also the plot of Ultimate's latest classic, *Martianoids*. This arcade/adventure takes the familiar Filmation techniques to new heights of excitement, action and all that stuff, and could well be out soon. And why not?

## Martianoids



## SWAT

Bzzzzzzzzzzzzzzzzzzzz! Swat's that? It's fly by night Freddy the fly. Come into the Garden Maud and bring Freddy 'cos the insects are hungry and out to get him. Feckless Freddy needs your help to escape the little bugs and avoid the poisonous plants scattered about the garden. The only friends Freddy's got are the little worms which he must tuck into to keep his Bugometer (Pardon!) from getting too low. Be afraid, be very afraid 'cos Alpha Omega's new game SWAT is a fast-action arcade game coming soon to a Specky near you priced £1.99. Bzzzzzzzzzzzz!



## Battlefield GERMANY

Halt Hugo's there? Hugo who? Hugo faster or we all cop it. It's 1989 and a full scale Warsaw Pact invasion has been launched into Europe — how offensive! The Ruski's are obviously keen on the

Readybrek glow so it's up to NATO to stop 'em. Seems like everybody's involved — there are those beer swilling schweinhunds mit die funny walks, ze leetle hommes avec moustaches et les frankfurters, and the men who tiptoe through the tulips, though how they can do it wearing clogs is beyond us. Battlefield Germany is underway. Latest in PSS's wargame series, comes *Battlefield Germany* — a complex, strategy wargame that's sure to be a winner for any budding wargamer looking for intellectual and tactical stimulation. Launch attack later this month at £12.95. Well it's cheaper than a Sherman tank!

**24  
HOUR**

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# LETTERS

EVERY ONE A WINNER!

WRITE TO T'ZER, YS, 14 RATHBONE PLACE, LONDON W1P 1DE

This month's top three Hit List games for the star letter. All letters win a YS badge

## A LEG-END CONTINUES

Recently I found these legs in our local newspaper. After comparing them with my mother's I realised they should be from a more sexy person. Then suddenly I knew it... T'zer! If it's really true these fantastic legs are T'zer's please send me her address!  
**Martin van Spanje**  
Holland



Yes, it's true. These fantastic legs are from none other than the gorgeous, delectable, yummylicious, scrumalurvly Nora Batty. Well spotted, Martin. I bet you can tell an Edam from a cricket ball! Here's Nora's address: Eee Bye Gum House, Ferret Place, Footofourstairs Village, Yorkshire Bitter. **Ed**

## HEX EDUCATION

Is Hex Loader a bird brain or just plain stupid! Well, this one's got to win a trainspotter award or I'll eat my Hornby railway set! In the Jan '87 issue, Hex made a real 'cock-up'. In his tips for *Trapdoor* he said, and I quote, "The bird's eyes will bulge... he'll hover, then fly off to the next room, he should then lay an egg!" Er... just one thing. How the hell can he lay an egg?!!!! Isn't it about time you explained to Hex about the birds and the he's? (Groan. Ed). Alternatively, you can always take Hex to the vets and have his Hack Free Zone cut! Yours 'Cor look, there goes an APT!

**Philip Carney**  
Penrith Cumbria

No wonder the poor old bird's eyes were bulging. Wouldn't yours be if you were trying to lay an egg. Okay, so Hex made a mistake, but you have to forgive him. After all, he's

only a heap of metal with a chip on his shoulder. We've tried explaining about the birds and the he's but he can't get his tentacles round the concept and he's already been welded — one Hex Loader is enough for anyone! Still, I'm not going to send you a trainspotter award — I reckon it'll be a lot more fun watching you eat your Hornby train set. **Ed**

## DUCKHEAD

I'm a software pirate and proud of it. I've got over 700 pirated games, many of which are top selling titles like *Paperboy*, *Nightmare Rally*, *Lightforce*, *Uridium* and many, many more. I get most of the games from my friends and copy them using the Multiface one.

**Daffy Duck**  
Disney Land, Florida

If you're so proud of being a software pirate why didn't you send in your real name and address? I think maybe it's

because you're not only an idiot but a coward to boot. Apart from being illegal, pirating games is damaging to the software industry. Every game pirated means loss of revenue to the software company concerned which inevitably means less money is available to develop new games. Worse still, people like programmers may lose their jobs. Copying a game is tantamount to walking into Virgin and stealing an album. And that's certainly not something to be proud of! **Ed**

## ALL CHANGE

Dear T'zer, Now that you're the Ed, I think the mag is due for a few changes! Come on, you're a fashionable girl (well I think so!) — make YS fashionable as well. I think you could start by adding more pages and giving us longer reviews. Also what about doing some pages on games, POKEs and tips especially for 128 and +2

owners. And I for one would like to see more interviews, particularly with the higher echelons of Amstrad.

Finally, now that you're the Ed, there seems no logical reason to keep the Ex Ed at Castle Rathbone. Sack him!  
**David Anderson**  
Harrow, Middlesex

PS Or you could give him a job as your personal cleaner!!!

We've already started making a few changes on YS. There's now three pages of hints 'n' tips, a page of T'zers and at least 22 colour pages of reviews and previews. We do review 128 games and give tips on them but until more games are produced we're unable to devote a special section to them. What's more, to increase our hints'n'tips and POKEs on games we need you to help by sending the information to us, so get your fingers out! As for the Ex Ed, I could never sack him, not ever — he makes a lovely cup of teal! **Ed**

# DOODLEBUGS

Keep on doodling — it's a doddle! Send your cartoons to Doodlebugs, YS, 14 Rathbone Place, London W1P 1DE. There's a prize of a new game for each cartoon printed.



WILL WILF REALLY BE SNOWED IN AND BE BORED ALL DAY? WILL HIS GRANDAD NOTICE IF HE NICKS THE PLUG FROM HIS LIFE SUPPORT MACHINE? IS THE CUCKOO REALLY IRISH OR JUST BAD AT TERRY WOGAN IMPRESSIONS? IS THERE LIFE AFTER USING A COMMODORE 64?..... ALL WILL BE REVEALED IN THE NEXT GRIPPING EPISODE OF WILF+2.

This month's cartoon was wilf-ully drawn by Tim Hewitt from Richmond, North Yorkshire.

# LETTERS

## A NIT IN TIME

You'll never believe this but I've just invented a time machine. It's called the Submegasonic-electromagnetically-conducted-warpdrive 50 Activator Mark III and it's made out of a quadruple tensile heat-treated ultra frequency featherlite titanium frame... not bad eh? Anyway, I took it into my bedroom, hitched it up to my Speccy and selected the year 1527. I then powered it up and BLAM! The next thing I knew I was stuck in the top of a tree on a hill. I opened the door and fell straight out onto a pile of horse manure below! Suddenly, out of the blue, a bunch of soldiers attacked me. I put up a brave fight but gave up after 15 seconds. They dragged me away and threw me into a dungeon 50 foot below a massive castle... Luckily though I managed to keep alive on a giant Mars Bar (I love 'em. Ed).

Please help me. The instructions for the machine are in the top drawer of my desk at home. You must build a replica and come and help me out of this mess quick!

**Carl**

**Gwynedd, North Wales**  
PS I love you T'zer... will I ever see your face in YS again?

Who do you think you are, HG Wells? I didn't know they had such a good postal system in 1527. Seriously, though, we've uncovered your plans but we've had a bit of trouble building the replica — mainly because we ran out of sticky-backed plastic. Anyway, we've done our best and your knight in shining armour (well, Phil in his track suit) should be on his way to rescue you. We bought you a couple of giant Mars Bars to be going on with but unfortunately I ate them, so you'll have to make do with the wrappers — they're probably more nutritious anyway. See you back in 1987, though I can't promise that you'll see my face in YS again, especially after the next letter... Ed

## GET HER OFF

Dear Hiss, Boo, Get her off, T'zer. Me and my brother think that people who love and adore T'zer should go and get their heads tested before it's too late. I say this because I'm sick and tired of people writing to you and saying how lovely she is. From the picture in the December issue I saw nothing to convince me that she's lovely and beautiful. I don't think



## TRANSPOTTER AWARD

Ha! So you thought you could catch us out with your review of Colossus Bridge 4 in the Feb issue. I know computer magazines are supposed to be non-violent but that doesn't mean you've got to omit the

she'd win a beauty contest in Bognor Regis.

So, come on, get some talent in the mag. Let's have more Sam Fox or even a piccy of Princess Di. And send T'zer on the next shuttle to Jupiter.

**Andy and Les**

**Warrington, Cheshire**

Sniff, sob, you really know how to hurt someone don't you? Sniff, okay you know my secret — I only came second in the Bognor Regis Glamorous Grannies contest! Perhaps the people who write in do need to have their heads tested, sniff, but at least they try and make me feel better. Weep, sniff. From now on I'll wear a Sainsbury's carrier bag over my head — I hope that makes you happier. After reading your last paragraph, though, I didn't feel quite so bad — if you think Princess Di and Sam Fox are 'talent' then I think you need your head tested. Anyway here are two piccies for you to dribble over. Ed



## SIL-LY BILLY

I'm thoroughly disgusted! I have made absolutely no effort whatsoever to make this letter interesting, relevant, humorous, unintelligent or uninformative — I could go on... (No, you couldn't. Ed) AND IT STILL GETS PUBLISHED!

Yours,

Someone, who has recently

clubs from card games. The screen shots show diamonds, hearts and spades (I didn't know you could get a pack of cards with two six of spades) but I see no clubs. You've got two alternatives:

1. Either bung me a trainspotter award real pronto.
2. Or arrange a night out at Stringfellows for myself and Teresa Maughan! (Drool, gibber and all that stuff.)

**Robert Campbell**

**Coaltown of Wemyss, Fife**

PS Can you get into Stringfellows wearing an anorak?

*I think you'll find the row of cards at the bottom are actually clubs! But, since I don't go anywhere without my anorak, especially clubbing, and you can't get into Stringfellows wearing one I'll just have to send you a trainspotter award. Ed*

become disillusioned with your letters pages and will know you've 'bottomed out' if you print this letter, called...

**Sil**

**Cork, Ireland**

*You'd never catch us 'bottoming out' which is why I've got absolutely no intention of printing your letter. Ed*

## OCHE DOKEY

I claim to be the first person to beat Jammy Jim in the finals of Mastertronic's 180. When you beat him the computer prints: You beat Jammy Jim in the final, you should take up the game professionally.

**Mark Williams/Age 10**

*Congratulations you jammy thing you. You've got a few years yet though before you'll be able to take up the game professionally. You have to have all sorts of specialised skills that only come with maturity, like weighing 15 stone and being able to drink 20 pints of lager. Ed*

## DARTS Lite

I claim to be the first Wally rated idiot to lose against Delboy Desmond in Mastertronic's 180. Am I a record breaker?

**Michelle Williams/Age 11**

**Swavesey, Cambridge**  
PS You'd of thought I'd have known better!

*I certainly would. I mean, fancy admitting you've been beaten by Delboy. I'd say you're definitely a record breaker — I don't think anyone else would admit to such a defeat. Unless, of course, someone out there knows different... Ed*

## WHAT A SWISS

Imagine my surprise when I saw the Ed was actually the Ex Ed!! I wished the new Ed would bring new things to the mag. But my surprise was over when I saw the new price. Come on Teresa 'Somerset' Maughan (it's Maughan actually! Ed) what are you doing with these extra two pences? Let's do a bit of calculation:

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OK, answer 12987

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**Ralph Schwegler**

**Switzerland**

PS You don't win any pence from me — I subscribed.

*There's only one problem with your calculation — the magazine went up by five pence not two. So, you saved even more money by subscribing — what a bargain! Ed*

## OUT DAMN COX

Chuffed at your elevated position, no doubt, and glad to have that scurvy knave with the quivering moustache, Kevin Cox kicked upstairs. I thought the Feb issue was pretty good and I was distinctly unchuffed at the Man Ed's intervention on Letters. The cover is a distinct improvement on most of last year's selection. Fantasmagorical Nosferatu poster. Thanks awfully for the 5p kit thingy in Frontlines, I needed it to relieve myself but unfortunately the public toilet door remained shut. And I agree with Andrew Toone's letter. I for one would like to see absolutely reams of utilities such as Speech Melba, Tuna Paté and Movin' And Groovin'. I shudder to think of losing my peaceful read of your mag. No T'zer, no Caroline, no t'others. I can't do without YS ever! Fab. I love YS.

**Graeme Allan**

**A rather satisfied**

**customer**

**Dundee, Scotland**

*You are obviously a man of impeccable taste (the cheque's in the post). I too would like to see far more utilities, but we need you to send them. You'll not only receive the fame that Andrew Toone's had (he's now working as Fanny Cradock's sidekick) but you'll also receive a fortune too! Couldn't agree with you more about the quiverer's drivellings in the Feb ish, though. Ed*

# LETTERS

## CADGING A BADGE

I have enclosed a piccy of your most famous person. No, not you (or T'zer) but the most inimitable person in YS. Yes! The YS trainspotter. Secondly I have a gripe (Have you seen a doctor? T'zer). So far I've appeared twice in the magazine — once in Hex's Heroes and once in letters — and I've still not received a badge. If I don't get one soon I'll draw a picture of T'zer and repeatedly send it in.

**Andrew Styles**  
Southminster, Essex

Hey wow, if you do that we'll be forced to publish it! Then you'll never get your badge! In fact we're well aware of the badge problem. Since our industrial dispute with the Amalgamated Union of Badge Mailers, Jiffy Staplers and Allied Clerical Operatives, YS badges have had to be smuggled out in armoured vans, one by one. We're doing our best to get them out, but bear with us. **Ed**



## SMALL PRINT

This is the third time I've written. **M Andrews.**  
Beverley, North Humberside  
And the first time you've had a whole letter printed no doubt. **Ed**

If this letter is printed I don't want a YS badge so don't insult me by sending one.  
**Neal Rycroft**  
Bexley, Kent  
Your YS badge is on its way. **Ed**

PS I am on my hands and knees begging you to print this letter.  
**Simon May**  
Irchester, Northants  
Only on your hands and knees, eh? Any more offers? **Ed**

I was going to write to you but I can't be bothered now!  
**Pete**  
Middleton, Manchester  
And I can't be bothered to reply either. **Ed**

PS You may have seen my name before but I've never captained England in Rugby.  
**Steve Smith**  
Woolwich, London  
But you've captained them in Blackpool, haven't you? **Ed**

## CAT-ASTROPHE!

HOW DARE YOU! In Tommy Nash's preview of *Short Circuit* in the Feb issue he says whodunnit in *The Mousetrap*. That has been the greatest kept secret in this country for 33 years — nobody knew apart from the people who had seen the play. And now TN goes and gives the game away, you... you... Commodore user. Now millions... thousands? Well, okay 83 people know the outcome of *The Mousetrap* without having seen it. I may have to stop buying the mag 'cos of this outrage.

**David 'The original DJ' Jenkins**  
Willesden, London

Not that any of us knew. Fevered phone calls to friends of friends of relations of small furry animals belonging to someone's aunt who had seen the play (in 1958) eventually gleaned the all-important information, but it was a close run thing. And now, after all this work, you start complaining. We only did it for you (takes out onion). But if you don't want to know whodunnit pretend you've never read Tommy Nash's piece. I bet it was the butler... **Ed**

## HI HO SILVA

Aaaaaaagghh! I can't stand it any more. How long are you going to keep using that terrible software chart of yours? I'm intrigued how you compile it. Do you hide behind

YS is BRILL says me, my mum, my dad and my brother.  
**Anthony Myvor**  
Killingworth, Newcastle  
What about your sister, your aunt and your cousin's pet gerbil? I think we should be told. **Ed**

PS T'zer is lurverly.  
**Richy McMinn, Stirling, Scotland**  
Not everyone agrees...

PPPS T'zer looks like Quosimodo, Danish girls are prettier.  
**Martin Jensen and Michael Bruhn**  
Denmark  
I'll have your Danish bacon for being so rude. Fancy insulting a poor old campanologist like that.  
**Ed** Ooh hark at her. **Phil**

PS Bring back Kevin Cox as Editor.  
**James McDougal**  
Leith, Edinburgh  
What on earth for? **Shiny**  
New Ed Not as shiny as the old Ed's 'ead. **Phil**

I doubt you'll print this letter 'cos it's a complaint and it'll probably hurt your pride.  
**DJ Smith**  
Streatley, Berkshire  
Just shows you how wrong you can be. **Ed**

the counters of all the popular software shops and take down what everyone buys? Who wants to know anyway? I mean, last year *World Cup Carnival* appeared out of nowhere and shot straight to number one in the charts. Anybody who saw that and went and bought it wasted ten quid 'cos it's rubbish.

Why don't you keep the chart as it was in the old days with all the readers' ratings of their best games. That way we'll all know what games to get. I'm sure other readers would agree with me.

**Danny Silva**  
Crowhurst, East Sussex

Have you ever seen any of the YS team hiding behind the counter of a software shop? I didn't think so. That just shows you how well disguised we are, nobody would ever guess we actually secrete ourselves inside the cash registers. The only trouble is we can't see anything so we have to get all our information from Gallup, the people who compile the record charts. It's true some games that aren't of the highest quality often shoot straight into the top ten, but they still seem very popular. As for a readers chart, can you imagine the chaos we'd create trying to squeeze all you lot into a till? **Ed**

## COPPED IT

'Ello, 'ello, 'ello. Wat's all this then? In your great Xmas compo (is that a giant Nora Batty lookalike?) I noticed that the Ex Ed Kevin (crusher) Cox got question 7 wrong. He should know that the Bash Street kids have always been in the Beano. This gross error and miscarriage of justice cannot go unpunished. He is hereby sentenced to 12 parking tickets, three speeding tickets or one trainspotter award!! Is this why he's now the Ex Ed? Joking apart, he's been very helpful to me in my enquiries and I'd like to thank him.

**Barry Hayes PC**  
Met. Police. Computer Club, London

Funny you should ask that. The Ex Ed has in fact been helping the Police with their enquiries for a couple of months now, but it's something we don't generally talk about. Though he keeps spinning this yarn about doing a PC magazine. We've heard he's well and is staying in a nice little bed and breakfast in a quaint country village called Paddington Green. Still, I'm not sending you a trainspotter award so you'll just have to send him the

three speeding tickets and 12 parking tickets. Alternatively you could jail him for life. Evenin' all. **Ed**

## STRAIGHT FROM THE 'ART

Don't worry, this isn't a complaint. I am writing to tell you that I'm totally, utterly, completely disgusted that you have not printed a picture of the Art Ed before. Nobody ever told me how gorgeously, fantastically good looking he is. (He? What are you talking about? Ed). And when you do print his picture you tell us he's leaving!! What I want to know is how such a great magazine as YS can do such a thing. Well, come on you lot. No excuses, let's have some answers!

**Claire Terry**  
Coxford, Southampton

We've had millions of letters like this one, too many names to print in fact. Okay, we've had just this one but we don't want to upset poor old Martin. Anyway we were as sorry to see him go as you so here's a special treat for you. **Ed**



T'zer's tasty titan this month

## MISPELT YOUTH

Deer YS,  
Oi jost bort *Trap Door* and oi tink it is thee best gam in thee owl uneeverce butt thers a problemm, oim ooked on it. Butt, u may say, sow wot! Wel, as u can c, it is stopin mee from doin moi omworc. Can oi get ovre thee addicshun or am oi doomed to thee persils of thee *Trap Door*.  
Yors pleedinlee

**Rory Dow**  
Address withheld

I'm afraid you do have quite a severe problem. At the moment you are in the early stages of the disease *Gammeeplayis* commonly known as *Playful Polyps*. As it progresses the symptoms become much worse — you lose your friends, your family, your house and finally your mind. The best thing to do is to go along to your local AA group (*Arcade Anonymous*) for expert help and advice. **Ed**

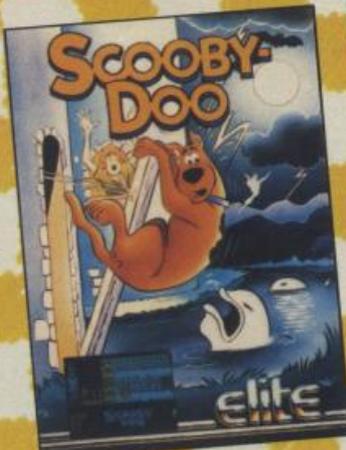
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# HIT PAK



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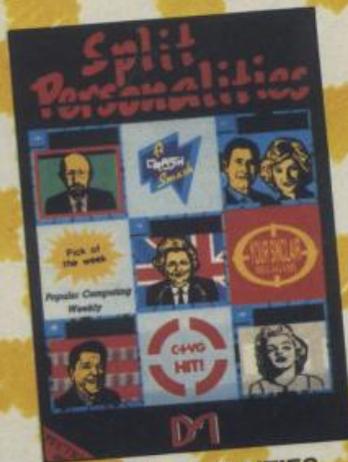
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# NEMESIS

## THE WARLOCK


 YS PREVIEW

**Nemesis the Warlock — devil from the dark side or avenging angel? Arch-deviant Tommy Nash was much too busy battling the terrors of Termight in Martech's new megagame to ask stupid questions like that!**

**F**rom the pages of 2000AD, the galaxy's greatest comic, (okay, so I believe everything I read!) it's one small step to the Speccy. First came *Strontium Dog* from Quicksilver. It was the ideal Christmas game — a turkey.

Just recently we've had *Rogue Trooper* and *Judge Dredd*. And now comes the greatest creation of them all, *Nemesis The Warlock*.

Martech has distilled the essence of the strip so that we're left with the cosmic struggle between Nemesis and his arch-enemy, Torquemada. The game's a straight shoot 'em and slash 'em up covering fifty obstacle-laden screens. Collect the ammo, kill the enemy and get the hell out of there. If you find the way out, that is!

*Nemesis* starts easy. Plenty of bullets and very few of Torquemada's henchmen — the Terminators. And as you're a long way away from Torq himself, it takes time for his influence to be felt. Only very gradually does his picture materialise in the panel on the screen. And only when it's fully formed can he resurrect the dead Terminators and turn them into scythe-carrying zombies. Trouble is, the closer you get to Torquemada, the stronger his power and the tougher the game. Stiffs litter the screen waiting

to rise again as the undead. And it's a hell of a lot harder to persuade a corpse to croak second time around — you'll have to really swing your sword from scythe to scythe.

The game's ultimate goal is the destruction of Torquemada himself. Well, it's about time someone gave him a good torquing to. But only by battling through the full fifty screens will you come face to face (memory restrictions permitting) with the most evil of all comic creations. Comic did I say — don't make me laugh!

It's really the graphics that make this game. The animated sequences are a sight to behold. The programmers have learnt their lesson from *Tarzan*, the game that gave new meaning to the phrase Darkest Africa. You'll still need sharp eyes to pick up on everything in *Nemesis*. But then, if you haven't got sharp eyes and quick reactions you shouldn't be playing it. Stick to something more sedate, like shark shooting or being a hit man for the Mafia. This is no game for Nemskulls.

<b>FAX BOX</b>	
Game .....	Nemesis The Warlock
Publisher .....	Martech
Price .....	£7.95
Release Date .....	6th April



### TORQ OF THE DEVIL

*Many years into earth's future, the dark days return. Nobody expects the Spanish Inquisition. Instead they get something much more terrifying. Termight, as Earth has become known, is peopled by oppressed ant-like workers and ruled by Tomas de Torquemada, the Grand Master. His self-imposed mission is to purify the race, to cleanse the galaxy of all alien life forms — and to do it in the cruellest and most inhumane ways. Torture, genocide, mass murder, nothing is too horrible for Torquemada and his Terminators.*

*Only one man is a match for Torquemada: Nemesis the Warlock. Except he isn't a man, he's a devil. A fire breathing, cloven hoofed deviant. The Lord of the Flies. Beelzebub. But he's also the leader of the resistance movement, Credo. Locked in eternal combat with Torquemada, only Nemesis can free the galaxy from his rule of terror.*



# THE NEMESIS TORQ SHOW

Nemesis The Warlock is a *Cobra*-style shoot 'em up without the scroll — it has the speed, it calls the shots. But what sets it apart are its complex animated sequences — Nemesis shoots from the hip and his gun recoils, his sword visibly swishes through the air. And, of course, there's the real stomach-churning zombie-rising-from-the-dead section.

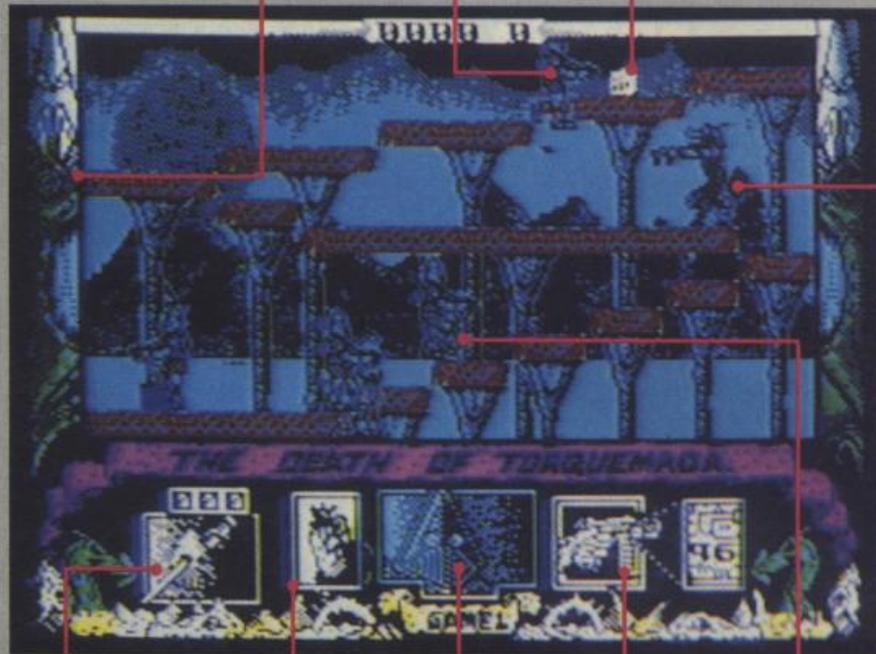
• The closer to Torquemada you get, the deeper into Termight's twisted passageways you have to travel. This early screen is set outside the city but you still have another 49 left to go...

"Death to all deviants" is the battle cry of Torquemada's terrors, the Terminators. As you enter a screen, they drop to attack you. You'll have to pick them off one by one in order to up your body count before you can move onto the next screen.

Here he is, the arch-deviant, the cloven hoofed one, Lord of Khaos and Misrule, Nemesis the Warlock, locked in war with the Terminators. In the game, he can run, jump, duck, spit acid, shoot (if he has the bullets) and wield his sword.

Every which way but out. As well as fending off the fiends you have to search for the exit on each screen. Keep checking at the end of the platforms until you find the road to freedom.

Your sword can slice through skin and hack at flesh but all that close combat takes its toll on your energy levels. Much safer to search out the ammo dumps scattered around the screens and start shooting your way out of the situation.



Nemesis's sword, Excessus, is a symbol of his slaughter of the Terminators. Above the icon appears the number of Terminators he has to kill before he can (cloven) hoof it onto the next screen.

He's all Torq! This panel starts blank but the longer you linger on a screen, the quicker the picture of your arch enemy, Torquemada, appears. When his full face fills the screen, he has the power to resurrect the dead Terminators — as zombies.

There are two types of Terminator — nasty and very nasty. The ones with swords follow you around the screen in order to engage in a spot of Wilkinson (sword play). The gun-slingers simply hang around waiting for you to come into range.

True, Nemesis is immortal but he's not invulnerable. Torquemada's terrible grip tightens around his heart as Nemesis loses energy. When the life-blood has been squeezed out of him, it's back to the beginning.

Whenever it's loaded, your gun becomes the default weapon. You can check how much ammo you have left on this bullet-in here. In the later stages, it'll take more than one bullet to exterminate the Terminators.

## RETURN OF THE LIVING DEAD

Oh yeuch! This has to be the most gruesome animated sequence to hit our screens since John Hurt got a stomach ache in *Alien*. When one of the Terminators is exterminated, he falls over and twitches, before a ghoulish hand bursts from his belly followed by the bulk of one of Torquemada's zombies. Only by killing the zombies can you finally free yourself from Torquemada's treachery.



# TERROR of the DEEP

"It is a strange craft that I control. The task before me is colossal, the dangers immense. The loch awaits..."



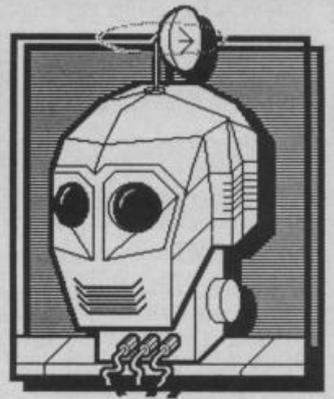
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# HACK FREE

# ZOO



**Mmmmmooooooooo! Snort! Grrrrmmphhh! Baa-aa-aa! Golly, what a lot of animals we've got in The Zone this month. Oh yeah, that rattly old tin man, Hex Loader, is here as well.**

**C**lick bzzzzt! Hey, who wrote that intro? C'mon own up, I'm not saying another word until someone comes forward and takes that back... (hum toot whistle) ...I can wait all day, y'know!... Ah, I get it, you're trying to shut me up! Aha! Gotcha! Wor, you have to get up pretty early in the morning to catch Hex Loader napping. Rattly old tin man indeed! Humph!

This month I've decided to get this Zone on the road... down the road, actually, to the Zoo. Well, I've had so many animals sent in to Hex's Heroes, I figured it was a hint as to our reader's average species. S'funny, since we arrived, I haven't seen any animals carrying a copy of the mag! Excluding Phil, of course, but that's only 'cos he likes flashing people that paunchy pic of him in the T-shirt ad. Oh well.

Ah, it's so nice to be here in the zoo. The warm stench of guano, the foul eau d'toilet wafting from our neighbouring cage, the sour cries of the birds in the birdhouse, the dull thud of Gwyn falling in the bear pit... showing off again. Ain't young love disgusting?

What have I been doing since I saw you last? Hey, I'm glad you asked me that, my little new age music, my little prepared pianos! I... I'm in love. Yep, Hex has bitten the big apple. She's gorgeous. What

## URIDIUM

*Uridium? Whaaaaatttt? A Map? Of Uridium? The whole thing? (faint thud!) Uh... wuh... what happened? I fainted? Oh. Why? Oh yeah. Golly gee, that's amazing! A whole map of Uridium, to be serialised in Hack Free Zone. Cor, the guy that did this deserves the biggest badge ever. They're all the same size? Okay, a regular sized badge, but with our biggest thanks, Dave of Didcot. (Who? Ed.) You mean there's only one Dave in Didcot. Strewth!*

can I say? She's bright, she's a snappy dresser, she's got a good job, saving people's lives daily... Oh how I long for that slim stripy body

and that flashy orange head. And her name... Belisha! Kinda rolls off the old tongue, doesn't it? I tell you I've crossed that zebra so many times I

could be a vet... Brrr. Still, enough of this slushy mushy crushy biz, on with the tips.

### QUAZATRON part 2

Last month we began the mammoth (trumpet rumble) task of printing a small telephone directory of hints for the cuddly *Quazatron*, furnished by my little chihuahua Miguel Tarrul. Miguel's a verbose kind of guy, so let's get on with it. (Oi you, come back with them bananas, that's my lunch. Tusk. Flippin' Phil Snout! Always blimmin' snacking...)

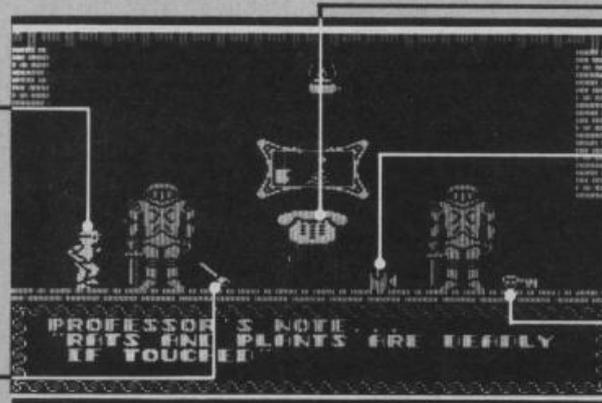
"Now for the tips on the Grapple mode. Firstly never start a grapple match before choosing the best side. In the first grapple you only have three wedges to shoot. Wait until the droid you're grappling has as many wedges as you. When the timer reaches 50 secs, start shooting. The best side to choose is usually the one that has more clear lines, with no 2-into-1s. Never choose a side with too many dead lines. Lines that split 1-into-2 are very good, especially if the ends of the lines touch blocks of your opponents colour! Don't choose a side that has too many lines that end in your colour. That's it, but remember, let your opponent shoot and waste his shots before you shoot any of yours!" Cor, thanxx Miguel. Ooo look, there's a toucan drinking a pint of stout. (Eh? Phil.) I said STOUT, not Snout, stupid man.

## MEGABUCKS

### A trunkful of tips by Miss L.E. Phant

Rock Carrington's the likely lad after the loot, and he'll find it somewhere in the Professor's castle. Watch out for the alarm system — you've only got a set time to turn it off.

This rings a bell. Oh yes, I remember now. Hot foot it to the church with this little implement, 'cos otherwise you'll make a clanger and get rattled.



Bring bring. It's for yoo-hoo! You won't be able to leave 10p by the phone after your call, though, so don't come without your calling card...

Torch-uos puns aside, this shiner will illuminate those mysterious lower levels. But remember to be ever ready with a power supply, and don't forget to be turned on (hey wow!).

Keep this handy, though you'll have to be almost completely keyed up before you can use it — it'll get you closer to the crucial videotape. And when there's a will, you're away!



(Oh sorry! Phil.) I wish he'd keep his snout out of my column. (Sorry, did you mention me? Phil.) Oh brother!

## STARGLIDER

Oooo... nice. Lookit that smooth shiny spaceship that just hovered to the ground in the elephant house. Oh dear, is that Gwyn underneath it? Hmm, hard to tell, what with him being scrunched up like that. I did tell him not to get too close, and see what happens. He gets hit by a UFO. Tch!

Wonder who it belongs to? (Knock knock) Hello? Who's that knocking on my cage? (Neat trick!) "Hi there, it's me, Leigh Reid." And what might you want, O silver suited alien looking one? "I have come over 900 lightyears to tell you about Starglider." Oh, brill. Pull up a baboon and take the weight off your moonboots. "Ahh, that's better." Okay, mon petite foil wrapped penguin bicc, gis the tips. "Right! First, take a note of where the energy towers and missile silos are. Only use missiles on enemies which can't be shot to sparkles with your laser. Read the novella that comes with the game for some really big hints... here's a couple of examples:

"Blow up the yellow or blue thing on top of the energy towers (the one on its own) to keep the energy lines going. Hit Starglider ships in the tail section. You don't have to, but as it's the midsection of the ship it makes it easier to hit! Don't wait to finish refuelling before continuing to shoot Egron ships! Keep still when in the power beam and turn around on the spot to pick



Okay, you guys. So you sent me some mail. But don't think it's gonna stop there, no sirree! All you Space

Harrers, Frogs, Wizards, Space Pilots, Tank Commanders, Zub's, Small Furry Creatures from Alpha Centauri, Hitch-Hikers, Slime blobs (G'night John-Boy! G'night Slime blob!), Old jokes, and even T'zer had better getcha joysticks working, 'cos I need them tips. I'm not kidding.

Playing tips can be just one or two pointers to better play, or a blow-by-blow solution to the whole flippin' game! Maps must be drawn in ink (black is best) on white paper, with a view to being shrunk to fit on the page. So get mapping and zapping bee-cause... dan-daaaaaannnn... every one we print in The Zone gets a brand spanking (whack!) new badge!!! They're real nifty, too! Send your epicentric epistles to: Hex Loader, Hack Free Zone, Your Sinclair, 14 Rathbone Place, London W1P 1DE.

off any aggressive ships. Oh yes, watch out for the walkers when flying low, 'cos they'll try to step you and squish the living daylight's out of you.

"Special 128K hints — Follow the tips for the 48K version until you get 10,000. You'll now be onto level 2. On this level you must get two missiles. You may also get a super missile (it is one of the special missions). The special mission is to blow up the Egron Battle Crawler (the big green thing), and for that you need, yep, two missiles. When you depart from the depot, stop outside the base and wait. He'll turn up sooner or later. If you fail, a base is destroyed.

"When at the base with a special mission, press M and note down the co-ordinates. You'll find a super missile, energy pod and rear view scanner. Write it down, 'cos you don't get a second chance." Well thanxx, kind but strange alien being from the speckly regions of space. I'll remember that. Now bog off before the Monkeys mistake you for a choccy bar and try to unwrap you.

## TERMINUS

You've caught the bus from it, now play the game... What, no buses? Cor, worra cheek! How could I be so stew? Stew pid! "Actually, it's Stu Green." Eurr! Sounds revolting, but do go on, my little flying squirrel. "I thought I would send you tips for Mastertronic's latest MAD game, 'cos I think it's fab!

"Of the four Wanglers, Xann is the best to use as he has infinite thrust power. When his energy becomes low, use a transporter to swap to Mobod, then Magno. If you find something to replenish energy, make sure all the characters visit it by finding a nearby transporter. Apart from the way you entered it, there's only one other way to exit from each terminal, and this can only be discovered by trial and error. If at any time you wish to return to a previous computer terminal, find a transporter, enter it and press up... et voila! With this info you can complete the game. Incidentally, I've known Paul Hargreaves to give his games a better ending than this! Oh well."

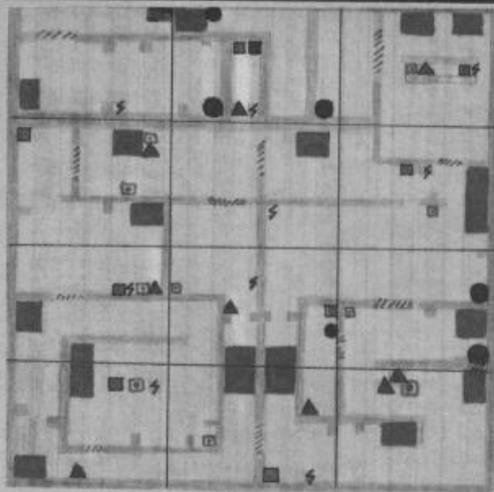
Look here, don't you go having a go at poor old Paul. He's got his own problems. (Chomp). Thanxx for the tips, though!

Oi, T'zer! Stop feeding marshmallows to that tiger. It's a carnivore. (So am I, and I like marshmallows! T'zer.) Sure. Fine. Super. Brain like a rapier, that girl.

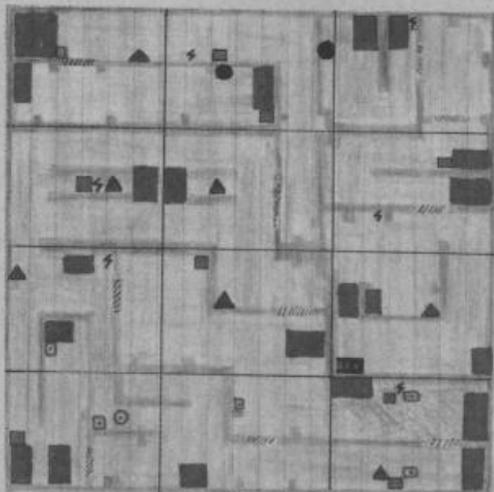
## GAUNTLET

Wowwee wow wow cor flip zappety-bilbos! I've got a soft spot for the jolly old Gauntlet. My daddy was a Gauntlet arcade machine, and mommy was a scientific calculator.

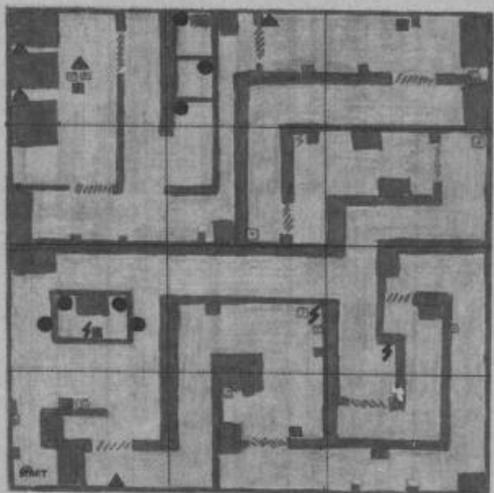
# DANDY



Level 1



Level 2



Level 3

### KEY TO SYMBOLS

- |                  |              |
|------------------|--------------|
| ■ — Generators   | ▲ — Treasure |
| ● — Transporters | □ — Key      |
| ○ — Food         | ⚡ — Spells   |
| ▣ — Stairs       | /// — Doors  |

Well ain't that jest Dandy? Three little old maps of levels 1, 2 and 3 of Dungeon 1! Cor flip zowie do-wot 'ow's-yer-father! And very nice too, I'm sure. Well done and many many many thanxx to Richard Kendrick and his pal Justin Scott, for playing and drawing it. Nice one boys, keep 'em coming! KkKKKkKtttt!



# HIT LIST

So what were the top selling games of 1986? Well, here's the top ten, and it's really 'strrrrdinary! Nine of the top ten got great scores from our reviewers — 7 and above. And four of 'em were YS megagames! The only game that we thought was naff was Firebird's *Ninja Master*, and yet there it is at number 9. Well, we can't be right all of the time! Elite did brilliantly last year — three of its games got into the top ten best sellers, and two of them were so good that they were YS cover games. Elite's still going strong this year — *Bombjack II*'s on its way. The top of the lot was *Yie Ar Kung Fu* from Imagine — it got an 8 from us way back in March. The Ocean/Imagine label did pretty well overall too, with *Green Beret* at number 4 and *Rambo* at number 8. It just goes to show that YS is pretty good at spotting a winning game!

## 1986 Top Ten Games

Position	Title/Publisher	YS Rating
1	Yie Ar Kung Fu/Imagine	8
2	Formula One Simulator/Mastertronic	7
3	Commando/Elite	9
4	Green Beret/Imagine	9
5	Thrust/Firebird	8
6	Ghosts 'n' Goblins/Elite	9
7	Paperboy/Elite	9
8	Rambo/Ocean	8
9	Ninja Master/Firebird	3
10	Winter Games/US Gold	8

## YS BUBBLERS

- **Nemesis The Warlock/Martech**
- **Shockway Rider/FTL**
- **Rana Rama/Hewson**
- **Enduro Racer/Activision**

## THIS MONTH'S TOP TWENTY TITLES

	Position (Last Month)	Weeks in Chart	Title/Publisher	YS Rating
▲	1 (2)	17	Ollie And Lissa/Firebird	9
▼	2 (1)	5	Gauntlet/US Gold	9
▲	3 (9)	13	Paperboy/Elite	9
★	4 (NE)	1	Agent X/Mastertronic	7
▲	5 (16)	9	180/Mastertronic	9
★	6 (NE)	1	Ninja/Mastertronic	5
▲	7 (12)	5	Konami's Coin-Op Hits/Imagine	—
▶	8 (8)	5	Footballer Of The Year/Gremlin	6
★	9 (NE)	1	Fist II/Melbourne House	9
▶	10 (10)	9	Speed King 2/Mastertronic	7
★	11 (NE)	1	BMX Simulator/Code Masters	7
▼	12 (3)	5	Super Soccer/Imagine	8
★	13 (NE)	1	Jailbreak/Konami	6
▲	14 (19)	5	Konami's Golf/Imagine	7
▼	15 (6)	13	The Great Escape/Ocean	9
▼	16 (5)	5	Cobra/Ocean	8
▶	17 (17)	5	Hit Pack/Elite	—
★	18 (NE)	1	Top Gun/Ocean	8
★	19 (NE)	1	Professional Snooker Simulation/Code Masters	7
▼	20 (11)	5	Space Harrier/Elite	9

This chart is based on the *MicroScope* chart as compiled by Gallup.

### Calling All Castaways!

Want to be alone with your Speccy and your eight favourite games to play them to your heart's content? Let us know the eight games you'd take with you to a desert island, and why you go overboard about them. Don't forget to bung a mug-shot in with your list so that we can print your piccy too. Each month the author of the wittiest of 'em will get fame, a YS badge and the top three games for his trouble.



## DESERT ISLAND DISKS

Our first cast away reader turned out to be **Geoff Lloyd** of Macclesfield — doesn't he look cute? Okay Geoff, anchor's away.

**Space Harrier/Elite**  
The speed and detail in this are amazing. The dragon's great, and I love it when your character falls painfully to his doom.

**Trap Door/Piranha**  
Excellent huge cartoon graphics, and really funny movement! If you don't enjoy catapulting Drutt or squashing Boni — you're a Berk!

**Colour Of Magic/Piranha**  
A real brainstrain — for me anyway. I like most Delta 4 stuff, and this is no exception.

**Batman/Ocean**  
My first 3D game — and what a game! Smooth graphics and cute, well-animated nasties. The puzzles drove me batty!

**Spellbound/Mastertronic**  
When I bought *Spellbound* I got the biggest, and best, shock ever. Ingenious problems, and the windomation is great!

**Bombjack/Elite**  
A brilliant conversion — there's a marvellous recreation of the original gameplay. When my Speccy's switched on *Bombjack* always gets loaded eventually.

**Jack The Nipper/Gremlin**  
Traffic Beano-style graphics, humorous puzzles and animation — it's great for those with a naughty streak!

**Sam Fox's (wahay!) Strip Poker/Martech**  
Well, wouldn't you if you were all alone on a desert island? (*No, I wouldn't! Ed*)

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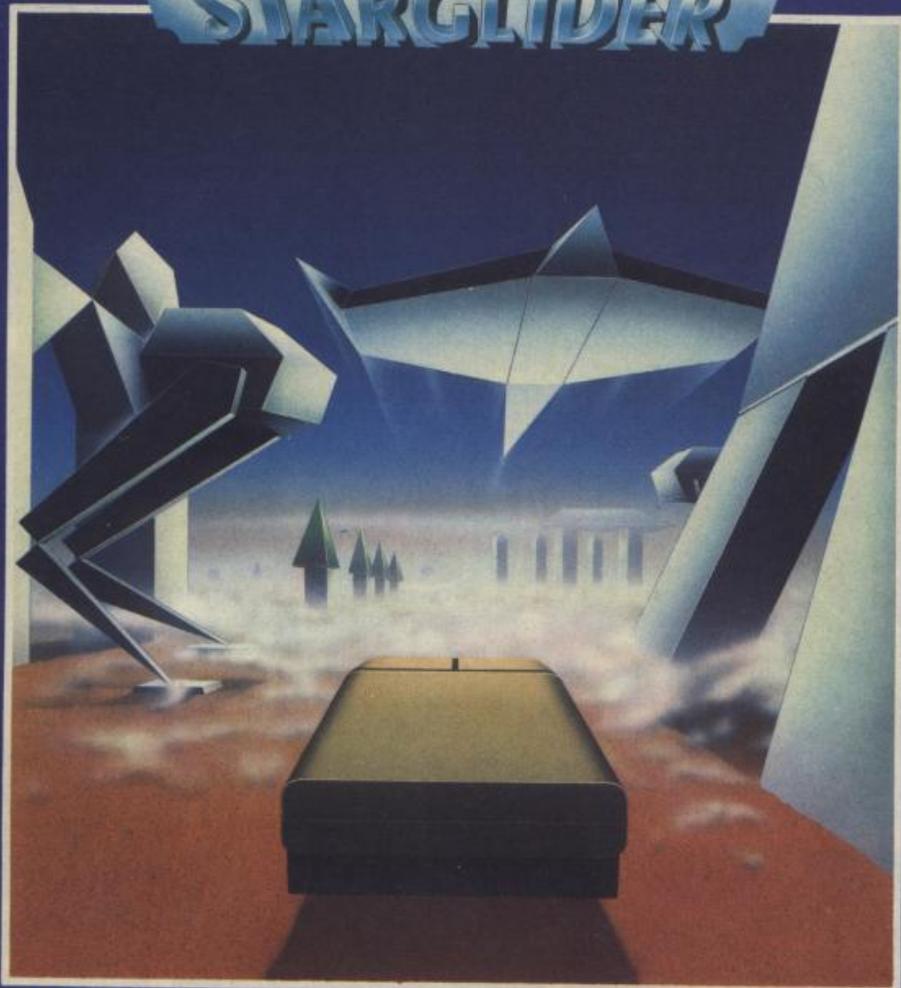
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# STARGLIDER



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Energy towers lie dead ahead defended by heavily armed Egron battle tanks



A Stomper and Walker close in. Laser fire is futile against these metal monsters



The Walker attacks. Bank your craft to evade the lasers and prepare to fire



Missile launched! Steer your TV-guided missile on target to annihilate the invader



The Starglider swoops in to attack. Several direct hits are needed to destroy it



A special mission: A devastating super missile has been located in the ruins of Novenia

Screenshots taken from Spectrum 48/128 version

# GAME OF THE YEAR

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Crash Smash

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# HACKING AWAY

ZZKJ brings you more POKEs than a second-hand dartboard!

Can this be the only page in this month's mag that's totally sane? Well, you know what it says on the cover. Yep, April, and we all know what that means. So I've chopped out all the silly bits from *Hacking Away* this month to present you with a totally sensible page! (And the three bears. Ed). Anyway, let's get started before someone spots what's going on.

## BOMBSCARE

First off, here's some useful stuff from **Robert**

**Howsham** of Doncaster.

Not only has he sent in a complete hack program for Firebird's *Bomb scare*, but he's also sent in all the teleport codes, which are ZEPHA QUART DELTA XYLEM NITRO CRYPT YTRON ASTRA To use the hack program, just type it in, RUN it and play the game tape from the start. If you don't want a POKE, just delete the line on which it appears. So, for instance, if you don't want infinite time, then delete line 80. Couldn't be easier!

```
10 REM BOMBSCARE HACK
20 BORDER 0: PAPER 0: INK 0: BORD
ER 0: CLEAR 27999: POKE 2
3659,0
30 LOAD ""SCREEN#: PRI
NT AT 21,0: LOAD ""CODE 2
8000: PRINT AT 21,0: LOAD
""CODE 65000
40 POKE 23606,46: POKE
23607,181: POKE 23659,2
50 POKE 56777,0: REM
INFINITE LIVES
60 POKE 54129,0: REM
INFINITE SHOTS
70 POKE 56286,0: REM
INFINITE ENERGY
80 POKE 57316,201: REM
INFINITE TIME
90 RANDOMIZE USR 65000
```

Robert also asked if he should be called Chris or Andrew to get a POKE published. The answer's obvious Robert!

## FIRELORD

There's been a definite lack of Chris' so far this month, so I'd better wheel one in for tradition's sake. **Chris Wild** of Shaw, near Oldham has sent in a hack for Hewson's *Firelord*. Just type in the program, save it off, RUN it and play the game tape from the start. Again, if you don't

want a POKE, delete the line on which it appears, but don't change the order of the lines, and make sure you leave lines 10-80 or 140 alone.

```
10 REM FIRELORD HACK
20 PAPER 0: INK 0: BORD
ER 0: CLEAR 65535
30 FOR n=65368 TO 1e9:
READ a
40 IF a<256 THEN POKE n
,a: NEXT n
50 RANDOMIZE USR 65368
60 DATA 62,255,55,221,3
3,59,244,17,129,2
70 DATA 205,86,5,48,243
,62,255,55,221,33,0,64
80 DATA 17,87,191,205,8
6,5,175
90 DATA 50,125,155: REM
INFINITE TRADING
100 DATA 50,205,134: REM
INFINITE LIVES
110 DATA 50,38,156,62,58
50,67,156: REM USE WITH
INFINITE LIVES FOR ADDED
PROTECTION
120 DATA 175,50,170,150,
62,7,50,156,150: REM
SHOOT ALL THE TIME
130 DATA 62,58,50,168,13
6: REM DON'T DIE WHEN RUN
OUT OF ENERGY
140 DATA 195,79,94,999:
REM DATA END MARKER
```

## NOSFERATU

Finding Piranha's *Nosferatu* a bit of a pain in the neck? Keep coffin up blood every time you die? (Groan! Ed). Then use this hack from **Jon North** of Sutton to relieve the pain. Type it in, save it off for future use, RUN it and play the game tape from the start. If you don't want one of the POKEs, just delete the line on which it appears, but don't touch lines 10-80 or line 120.

```
10 REM NOSFERATU HACK
20 FOR n=30000 TO 30015
: READ a: POKE n,a: NEXT
n
30 RANDOMIZE USR 30000:
POKE 65137,255
40 FOR n=65280 TO 1e9:
READ a
50 IF a<256 THEN POKE n
```

## HACK OF THE MONTH

### SPACE HARRIER

And here's a very useful hack for *Space Harrier* from Elite. **Ian Stonelake** of Uxbridge has sent in this infinite lives hack and, as usual, you type it in, RUN it, play the game tape from the start and away you go. If you think the lives counter is

```
,a: NEXT n
60 RANDOMIZE USR 65024
70 DATA 205,86,5,221,33
,215,253,17,189,0
80 DATA 62,255,55,195,8
6,5
90 DATA 175,50,243,126:
REM INFINITE TIME
100 DATA 175,50,196,132:
REM NO OBJECTS OR SPRITE
S
110 DATA 62,201,50,111,1
55: REM NO SPRITE MOVEMEN
T, ALSO IMMORTALITY
120 DATA 195,0,118,999:
REM END MARKER
```

## STARGLIDER

And what better person to end with than me? I've got some hints for Rainbird's tricky game *Starglider*. Originally there were going to be two hack programs — one for the 48K version and one for the 128K version.

However, once I got started I discovered a very obscure cheat mode. It's simple to use, but activating it is a totally different matter. First of all you have to get a high score. All you need to do is score more than 1000 points. Walkers are worth 800 points and there are always one or two on level one, so it shouldn't be too hard.

Once you've got beyond 1000, die, (whatever you do don't use game abandon). When you're asked for your name on the hi-score table, type in "GBIO RGS" (all in capital letters with one space as I've shown here) for your name and then press ENTER. The cheat mode has now been activated. Then start a game. To use the cheat mode, press pause. Although it'll only say Abandon/Continue, the

going down and I've cheated you, don't fret. Yes, it is counting down, but you really do have infinite lives.

```
10 REM SPACE HARRIER
HACK © IAN STONELAKE
20 CLEAR 64000: LOAD ""
CODE
30 POKE 65289,196: POKE
65293,193
40 POKE 65449,178: POKE
65450,143
50 FOR n=65488 TO 65494
: READ a: POKE n,a: NEXT
n
60 RANDOMIZE USR 65224
70 DATA 33,194,191,34,4
3,202,201
```

number keys 1-4 now have functions.

Key	Function
1	Goto next level on exit from pause mode
2	Indestruct mode on
3	Indestruct mode off
4	Gives you two missiles

In Indestruct mode your lasers, shields and energy don't go down.

I've even got some tips for the game just to annoy Hex Loader. When using a missile on something, fire just before you crash into it — that way you can't possibly miss. This'll make things much easier when you're going after *Starglider One*. (On the 128K version, keep an eye out for the Action Replay when you do destroy it!)

If you're playing the 128K version you'll be interested in the missions. Getting them is simple — every now and then a message will pop up telling you to go to a repair station. When you dock you'll now have an extra option to find out about your mission. These are:

- 1 To get your rear view scanner
- 2 To get your Auxilliary Energy Pod
- 3 To get a Super Missile
- 4 To destroy an Egron Battle Crawler
- 5 To destroy the Ammunition Dump
- 6 To destroy the Command Centre

Items 1-3 are usually on or under one of the bridges, so be careful not to shoot them. The super missile isn't really worth it, as it only has twice the range of the normal one, and it can't destroy *Starglider One* on its own. The missions can come in any order, but you do get more than one Super Missile mission.

Okay, that's your lot for this month. Terribly sensible, wasn't it? Well, alright, maybe not, this is *Your Sinclair* after all. Don't forget, though, I'm here to help, so if you've any problems on hacks or POKEs you know where I am, and I want to hear from you! You'll get a YS badge if your letter's printed!



Send all your POKEs, hacks and cries for help to ZZKJ, Your Sinclair, 14 Rathbone Place, London W1P 1DE.

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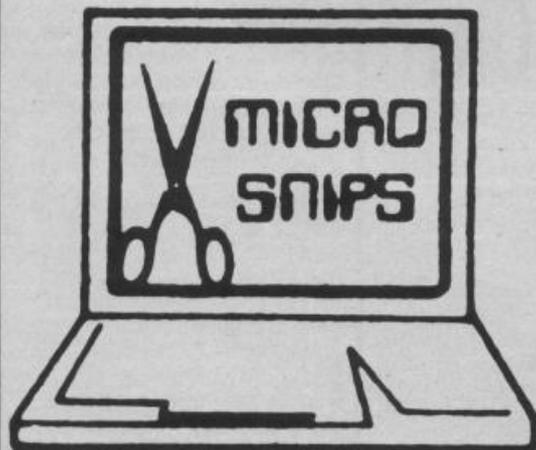
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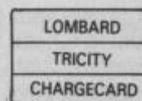
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# ENDURO

# RACER



Don't live life on the hard shoulder. Move up a gear with Activision's latest speedtrap and Marcus "Live fast, die old" Berkmann.

It's another racing game," they said, and the heart sank. "Motorbikes," they went on, and by this time the ol' red pumper was wheezing away at liver level. Then suddenly my mental light bulb pinged into action. Wasn't *Enduro Racer* that huge throbbing arcade game with the twisty-turny effect of being on a real motorbike? Wahay! This might not be so bad after all. And it isn't! In fact, Activision's conversion is more than not bad — it's a down home Class 1 ripsnorter.

Five levels of vicious motocross await you, and if you think that sounds a bit peasy, on yer bike — just try getting to level 5. You start in woodland, fizzing along the road on your high speed hairdryer, haring past trees and your rival Eddie Kidds. As you power across the landscape, your target is to get through the course in less than a minute — no mean feat. Especially with all those hillocks in your way — still, they make a change from the usual boring flatness and you'll get a real thrill as you mount that hump! Wheee! Don't get too carried away, though, 'cos you'll often find rocks and things lurking over the horizon just itching for you to smash into them.

You'll also come across some devilish looking ramps — uncannily like those "sleeping policemen". But don't slow down — these'll let you fly straight over fields of lethal boulders with the greatest of ease. When you land, pull the joystick back and you'll do a wheelie, which'll allow you to accelerate again more quickly and make you look *really* macho. Otherwise your body simply jumps off the bike seat (only your hands rescuing you from certain doom) and you'll end up being overtaken by the snails. Push the joystick forward to increase speed, press fire to decrease it. When you move round to the left or right, you lean into the bend — if you lean too far, your foot

scrapes the turf and apart from wearing out your boots you'll also slow down.

These are very much the basic skills. But while the first level is mainly about staying in the saddle and going like the clappers, the next stage, set in a baking desert wilderness, is a biker's nightmare. In fact it's a bit of a doughnut to get through. Vast slabs of desert rock sit slap bang in the middle of the road — one false move and crash, you're spattered across the asphalt. Hillocks hide evil hairpins that even Danny La Rue would find a trial. Ramps are alternately life-saving boons and well-disguised traps.

None of this cleverness, though, would mean a bunch of bananas if the graphics weren't up to scratch. And as you can see from the screenshots, they're just what the doctor ordered. When you approach a hill for the first time, you find you're over it before you can say Evel Knievel, let alone react. This can cause the odd problem if there's a rock on the other side.

Some of the effects, too, are spectacular. Crash over a boulder and you can almost feel the bruises. Bang into a slab of rock and you look for the blood. The 3D illusion is so well handled that you barely notice it. I also like the nice little scroll you get when you remount your crashed bike, moving you back into the centre of the course. *Enduro Racer* is packed full of subtle touches just like that. It's not entirely perfect, of course — avoiding the boulders, for instance, can often be a matter more of luck than of judgement. Even so, it's a racing game that's streets ahead of the opposition. Give it a road test and seel Brrrrmmmm.....!

Graphics	9
Playability	9
Value for Money	9
Addictiveness	9

**FAX BOX**  
 Title.....Enduro Racer  
 Publisher.....Activision  
 Price.....£9.99  
 Release Date.....March



Here you are grooving through the lush verdant pastureland of the first level. Practised enduro racers won't have too much trouble with this course but there's always the spur of breaking your own record and going round even faster. Can anyone beat 47.9 seconds? ('Cos we can't.)



How about this for an obstacle? It's not so much a boulder as a small mountain range. Speed isn't everything here — you've just got to stay on your bike and keep going. Notice the dust that your back wheel is generating — not that it'll do you any harm. It's just a nice effect, and realistic to boot.



It's out of the frying pan and into the fridge on level 3. The Ice Level couldn't be bleaker, but you'll have to get to grips with that wheel spin! The ramp in the near distance will propel you into the air at high speed, but careful you don't go off the track, 'cos you're liable to slide about a bit!

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## WONDER BOY

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ARCADE SCREEN



ARCADE SCREEN



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'...extremely addictive and highly playable'

Arcade Action,  
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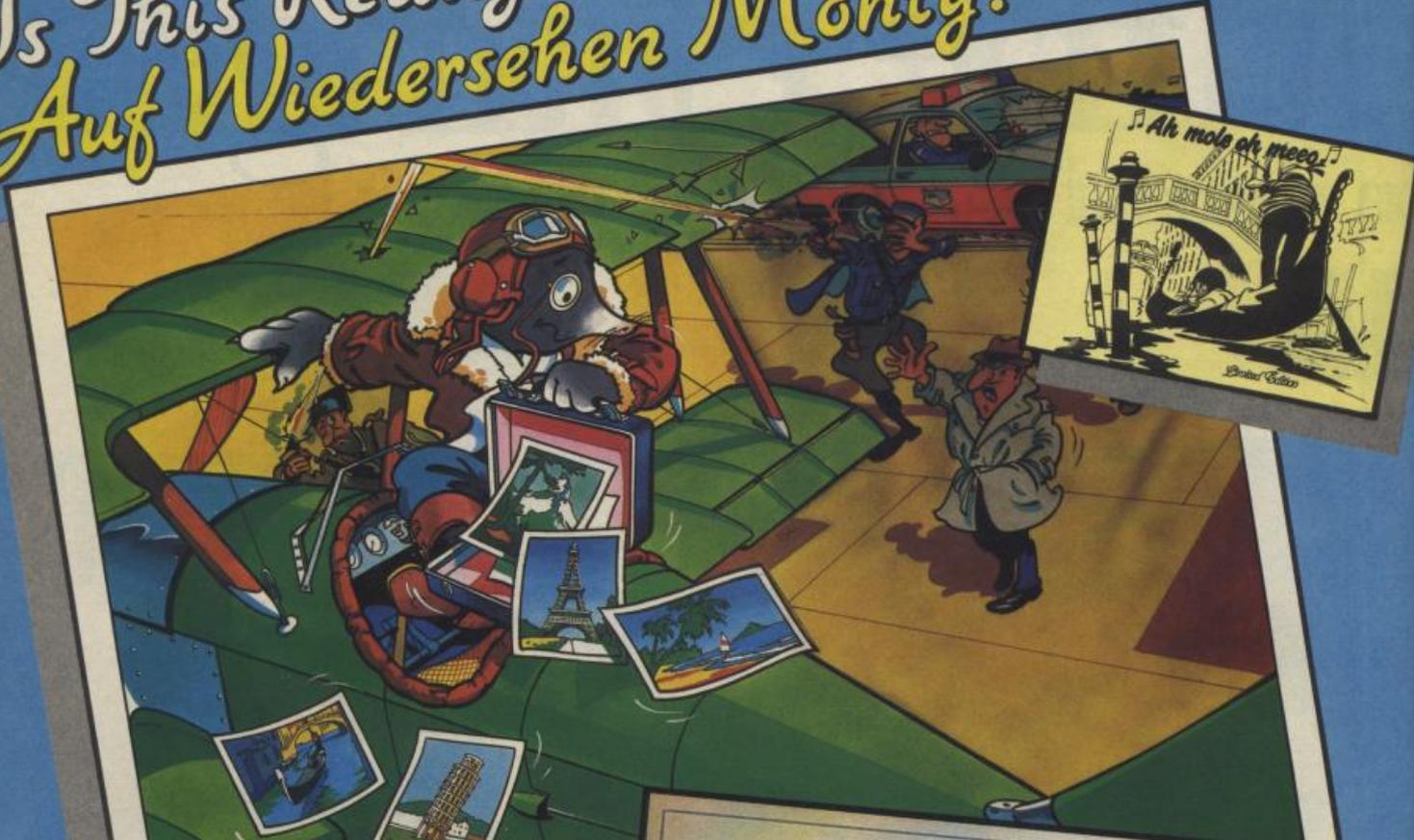


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# Is This Really Auf Wiedersehen Monty?



Just a few lines between continental heists and yet more hairy escapades to say hello to all my fans and invite you on my most exciting and exacting journey to date, a whistle stop tour of the capitals of Europe acquiring more than just the local scenery on the way.

Dops... must dash... gendarmes hot on my tail. Will write again soon with more news of my exhilarating escapades and growing booty bag.

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# THIS IS THE MODEM WORLD

**Comms? Sounds like Superman's underwear. Ian Hoare comes out of the phone booth in a single bound, with all you ever wanted to know about the heady world of computer communications.**



to computers, typing in your part of the conversation, and reading their replies; contact like-minded people, and chat endlessly about your favourite subjects; make friends and even useful computing or business contacts. You can read up to the minute news items, often weeks before they appear anywhere else. There are advice pages by experts in many fields, who can answer your technical problems. Using the bulletin boards (BB's), you can put up notices to be read by lots of other computer users, and these can be on any topic! There are Gay BBs and Closed User Groups (CUG's), Lonely Hearts clubs, and X-rated BBs of every leaning and persuasion. You can order goods and services via Teleshopping, stash your cash with an on-line building society, do electronic banking, look up a number in the electronic Yellow Pages, find out times of trains and flights, order tickets for the cinema and theatre, send Telexes and Telemessages anywhere in the world and generally have access to useful information about almost anything!

#### What's In A Modem?

Exactly what is this magical gadget that opens so many doors? How does it work? Well, a modem, short for MODulator DEModulator, is a device that modulates a

stream of data into a form that can't be distorted by transmission and sends it down the phone lines. It also receives and demodulates signals coming back up the phone lines, and displays them on your computer. It's bit like inventing a code to encrypt a message and then sending it to your friend, who decodes and reads it.

(It's funny that once upon a time a modem used to be the only way you could use a computer in your home, tapping in to a mainframe via a teletype terminal. Now it's thought of as being a new thing!)

Incidentally, RS232 means 'Recommended Standard 232'! It's a device that translates a byte of data into a stream of bits separated by markers, so that the receiving device doesn't decode out of synch.

Once you've got a modem, who can you get on-line to? With the right software and add-ons, you can contact BT's famous Prestel (affectionately known as Pretzel), or any other similar viewdata style boards; scrolling terminal systems such as Telecom Gold and Microlink; megalithic American databases such as The Source or CompuServe; or any of the 240 or so small 'Bulletin Boards' (known as BBs) over here, which are operated commercially or by enthusiasts.

One golden rule, though, is that you get out of comms only what you put in! That means that if all you do is log on and put up messages saying "I'm bored!" and never chat to people or contribute on any level, or just log on to download programs, you'll find yourself very unpopular and wish you'd never started. If, however, you take part in conversations and generally give to the system, you'll find that you're involved in an exciting and rewarding hobby.

#### Getting On-line

So, you've decided to go on-line, but what do you need? A computer, first and foremost, then a modem, a phone, a full RS232 interface, and finally the right software to handle all the terminal functions. There are two distinct types of BB, Viewdata or Scrolling Terminal:

1. Viewdata — The viewdata format generally runs on 1200/75 baud ('baud' being a measure of data transfer speed) and looks a lot like the Teletext format you get on TV sets — Oracle and Ceefax. It has colour and lo-res graphics. The host computer stores all its information in screenfulls, called 'frames', and you can capture and store, edit and transmit your

**C**omms is short for Communications, a pastime to which thousands of computer users devote a large portion of their time. Using a device called a 'modem', you connect your computer to another computer, often a big micro or mainframe, via the telephone lines. Once on-line you're able to access vast databases of information, helplines, bulletin boards, games, and downloadable software.

So what will you find when you log on? You can play multi-user games, such as Miconet's *Shades*, or the infamous *MUD*. You can download dozens of programs for your computer, some of which you have to pay for but most of 'em are free! You can 'chat' in real time to other users of the board, from all over the country (and overseas!) about anything from gardening

## HARDLINES

Okay, you've got the dosh, and the urge to run up BT bills that read like phone numbers. What do you buy? Where can you buy it? Generous quantities of who from? Let's take a few samples...



### Voilex TTX 2000S/Voilex Electronics

An alternative, for those of you who can't get enough Prestel, are the four Teletext services (one for each TV channel) Ceefax, Ceefax 2, Oracle and 4-Tel. You can pick these up any time the TV stations are broadcasting by using this adaptor on your Speccy. Only costing £64.99 (inc VAT and postage), it enables you to get up-to-date information, but in a read-only format. You can't leave messages, or interact in any way. But there's lots to read!

Contact: Voilex Electronics, Stowell Technical Park, Eccles New Road, Salford, M5 2XH.  
Telephone: 061-736 5822.



### Kirk Automation Comms Pack/ Kirk Automation Ltd

New full feature modem and comms package. I haven't seen it, but the spec looks impressive. For £149.95 (inc. VAT and postage) you get an Enterprise 1 modem, colour viewdata/terminal software suite, interface, leads and all the instructions you need to get booted up and on-line in minutes!

Contact: Kirk Automation Ltd, Bridge Works, St. Whites Road, Cinderford, Gloucester, GL14 3HB.  
Telephone: (0594) 220884.

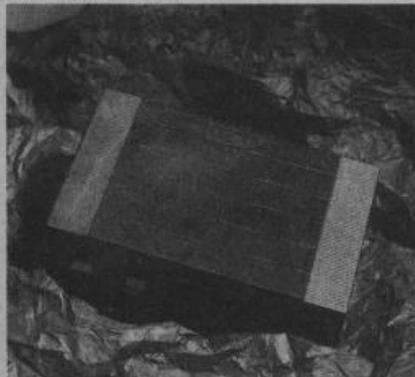


### VTX5000/Distributed by Micronet

The cheapest and most widely available modem for the Spectrum. An all-in-one box of tricks, containing all the inter-facing and built-in software you need to turn your Speccy into a 1200/75 baud Prestel terminal.

Rather prone to crashing if the edge connector gets dirty. Designed for the 16-48K Spectrum, it'll work with the 128+2, but not with the plain vanilla 128K...unless you rip out the ROM and replace it with a +2 ROM! (Rather counter productive, if you ask me!) Well supported with extra software, like Steve Adams' *Specnet Gold*, *Editor*, *Fireview*, *Firescroll*, *Dialsoft*, user-to-user software and bulletin board software like *Micron*.

Contact: Micronet, Durrant House, 8 Herbal Hill, London EC1R 5EJ.  
Telephone: 01-276 3143.



### Spectre Comms Pack/ Spectre Communications

A bit new and untried at the moment, but has excellent viewdata and adequate scrolling terminal software (written by Dave Gorski) on ROM. This is the best choice for 128 and +2 owners. New Micronet subscribers might well get the Modem 2000 free, (though make it clear you want this one and not a VTX5000) with the RS232 interface and software for just £49.95. The full package, including the fabulous Tandata Qmod Modem is a very reasonable £99.95!

Contact: Spectre Communications, The Old School House, Tenter Row, Crosby Ravensworth, Penrith, Cumbria CA10 3JA.  
Telephone: (0204) 57293.



### VTX711/Modem House

Brand new comms package, containing the interface, a cable, and a three-piece suite of terminal software. The interface goes from 300 to 4800 baud, altered by twisting a little pot switch on the back. It has auto dial, auto answer, XModem, Xon/Xoff, all the bells and whistles, and is usually sold with the excellent multi-baud rate Voyager 7 modem. The whole package costs £119.90 (inc. VAT and postage) and contains everything you need for "World Domination By Friday", if its ads are to be believed!

(STOP PRESS: Unfortunately Modem House is going into liquidation, so getting hold of this wondrous package could prove a little problematical. Watch out for bargains on these products in the near future.)

Contact: Modem House, 70 Longbrook Street, Exeter, Devon, EX4 6AP.  
Telephone: (0392) 213355.

own frames. Each frame is given a number or letter, and is called up simply by typing a '\*' then the number or letters followed by a '#'.  
The biggest and best known viewdata system is of course Prestel, which also contains the very popular Micronet.

Another that's very good is The Gnome At Home (G@H to its aficionados), which unlike Prestel is free for anyone to use. (Look out for *Flippo on the G@H* — that's me! Phil.) It's large and full of interesting SIGs, with a wry sense of humour throughout.

You must subscribe to Prestel in order to use it, but with a mind boggling 350,000 pages, plus inroads to BT Gold, *Shades* and Micronet, it's worth it. Micronet (The Net) is a huge club for microcomputer enthusiasts, containing a mere 13,000 pages (mere?), and is regularly visited by over 20,000 people! The Net also has a popular Multi User Dungeon (MUD) called *Shades*, in which you play a text adventure game against not only the

## AN INTERVIEW WITH PAUL CLEVETT



Paul Clevett (an experienced chap of a mere 20 years) has come up with quite an astonishing package for a BB running on a Spectrum. It's viewdata compatible and incorporates some features that even

Prestel doesn't have yet, such as keyword searching and direct editor control of the operating system. If a caller logs on and gets into difficulties, Paul can talk to him and help him out on the bottom line of the screen, while the caller can still see what's going on. He's also just written scrolling terminal and viewdata software that'll work with the jolly old VTX.

How long have you been interested in computers?

About five years. I played with the ZX80, ZX81 and Vic 20 before getting my Speccy.

And how long have you been involved in comms?

I was one of the first subscribers to Micronet, having started about three years ago. I found it fascinating and soon wanted to run my own bulletin board. I tried the Micron system, but wanted to give viewdata compatibility. So I got a couple of Beta disc drives and started writing my own software with them.

How did you learn to program?

By trial and cock-up, how else?

Tell us about *Firefly*. That's the name of your BB system, isn't it?

It's now *Firefly II*. There are over 500 frames on the system but, with two beta drives, I can hold about 1,600 frames of information. Because the number of routes is normally limited in a particular area, it can give extremely fast access time from one frame to another.

Can anyone get hold of *Firefly*?

No problem. It costs about £50 for the software but it can only run with the Beta drives as I've used their DOS calls directly for extra speed. I can provide the Beta drives and interface too, through the shop. They cost about £250, all in.

computer, but *other users!*

**2. Scrolling Terminals** — Scrolling terminals usually operate at 300 baud, although some operate on a 1200/75 or 1200/1200 baud rate. (Many business type ones even go in and out at rates of 4800 or 9800 baud!)

New information is fed to your computer, and like the computer terminals so beloved of sci-fi films, it scrolls up from the bottom, pushing the page up for each new line. Telecom Gold and Microlink are the biggest users of this format, but there are thousands of small BBs who also use it.

There are dozens of different protocols, the commonest being good old 300/300 baud and the fruity 1200/75 baud (non Prestel) rates.

### What's The Damage, John?

Okay. All well and good, but how much is all this fancy hardware and software going to set you back?

The cheapest way to get on-line is to buy a VTX5000 modem. It costs about

£30 or less, and has everything you need built in. Although it's essentially just a Prestel terminal, with additional software it can be made to accept a scrolling terminal type BB. If you subscribe to Micronet, you can actually get one free! More versatile systems, like the Voyager 7/VTX 711 combo, cost around £100, but quite often include a quarter's free subscription to Micronet or BT Gold!

Running costs are largely up to you. If you get the Spectre pack or *Editor* software and use it sensibly, never going on-line between 8am and 6pm on weekdays, and using the frame capture and off-line editing facilities, you can keep your time charges to practically nothing, and your telephone bills to manageable levels. (If you only use boards which don't charge you for using them, the costs can be kept even lower.) About £20 a quarter on top of your normal bill is about right. If you spend slightly longer on-line, as I do (I am on-line for about three hours a day!), you can expect anything up to £100-£150

in bills! To put these charges in perspective, £20 (+£16.50 charges) per quarter is about 40p per day, while £150 (+£16.50) is around £1.80. Still, how much do you spend on your other hobbies?

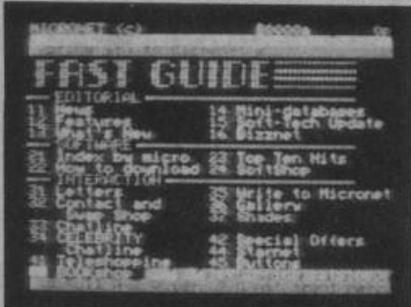
### Cheap Rates

Do as much as possible off-line. Keep your phone call times to a minimum, and never log on in the peak or standard charge periods. Keep long distance calls to BBs short, and always keep a close eye on the time when using chatlines.

British Telecom charges all phone calls in amounts of time you speak for a 'charge unit'. The unit stays constant, and the amount of time you can use the phone varies in relation to that. The amount of time you get on the phone for your unit depends on two factors; the distance you're phoning, and the time of day you decide to phone. This ranges from 300 seconds per unit for a cheap rate local call, to a piddling 18 seconds for a peak rate long distance call!

## SCREEN AND SCREEN AGAIN

A sneaky peak at what you can expect to find out there in BT Land...



Here's a selection of the kind of stuff you can expect on the mega huge Prestel database. A useful page is the Fast Index, as it can direct you to what you want very rapidly.



This is a startup screen from Micronet's famous SHADES multi-user-dungeon. You play non-player characters, plus a healthy selection of real players in real time!



Here's the welcome screen from *The Gnome At Home*, containing broad headings for you to begin your search of every goblin's favourite database...



Wow, it's a hoopy graphics page from *The Gnome At Home*. This shows you what can really be done with lo-res graphics if you know how. This wonderful pic of Linda Ronstadt (*Who she? Ed*) is by Brian Gaff.

## DIRECTORY ENQUIRIES

Just to save you the time and trouble of blagging useful numbers from mates and off The Net, here's a personal phone book of all the very best bulletin boards.

Name	Number	Baud/Format	Sysop
BABBS	(0394) 276306	300 or 1200/S	Tony Game
Gnome at Home	01-888 8894	1200/V	Micrognome
London Underground	01-863 0198	300 or 1200/S	Brian Robinson
MUD	01-998 8899 (NB: Try the system free for 6 minutes in demo mode — ID: MUDGUEST, Password: PROSPECT.)	300 or 1200/S	
Sinclair CBBS	01-249 3238	300 or 1200/S	Steve Adams
Stoke TeC	(0782) 265078	1200/V	unknown

## YOU WHAT?

Computing is full of buzzwords, and communications is no exception. Everything has a name, or in some cases just a couple of letters like BB, so to get you started, here's a Comms-English Dictionary, the abridged too far version.

**Baud** Speed of data transfer, quoted in bits/sec. A measure of how fast data or information can be sent. For example the Speccy loads from tape at 1500 baud (see V21, V23 etc.)

**CUG** Closed User Group. An area with restricted access, often by subscription. For example Micronet is a CUG within Prestel.

**Downloading** Receiving and storing programs or data.

**Frame** A screenful of information, used in viewdata format comms.

**Full Duplex** Simultaneous data traffic both ways down the line.

**Half Duplex** One way data traffic, like CB radio, where you have to switch between Transmit (Tx) and Receive (Rx). The VTX5000 employs this method for user to user work.

**ID** Your personal Identity Number. Never pass it on or lose it.

**Keyword Searching** Lets you type in things like \*spectrum# instead of having to remember page or frame numbers.

**Log off** Tell the host computer you are going. Polite and essential for security on Prestel.

**Log on** Connect up to another computer.

**Protocols** Details of the way data transfer is organised.

**PSS** Packet Switching System. A way of getting a gallons worth of phone call out of a pint pot of costs. Used for contacting overseas BBs, like ones in the USA, for instance. Data sent from your computer is chopped into 'packets' and sent, interleaved with packets from other computers, over the Big Pond and disentangled at the other end. Transparent in use.

**SIG** Special Interest Group. Mainly found on bulletin boards, where Speccy owners often have their own special corner.

**Sysop** The System Operator. The man who owns, runs and looks after the computer you're logging on to. Usually a very friendly and helpful bloke.

**Telesoftware** Programs and data that can be downloaded.

**Uploading** Sending programs or data for someone else to store.

**V21** 300/300 baud full duplex.

**V22** 1200/1200 baud full duplex.

**V22 BIS** 2400/2400 baud full duplex (popular in USA).

**V23** 600/1200 baud out with 75 back channel, used in UK for viewdata BBs. Also 1200/1200 half duplex.

**XModem** Method of data transfer with excellent error checking.

**Xon/Xoff** Simple method of data transfer. If you are receiving data, and need to save some to tape or microdrive, your computer sends Xoff to the host computer, which stops transmitting till it receives Xon.

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# SHOCKWAY RIDER

FTL/£7.95

**Phil** Far in the future, on the massive circle of pedestrian walkways (Shockways) surrounding the big city, the yobbos, finks, rats and scum play Shockway Rider.

The aim of this dangerous game is to ride the Shockways in a full circle around the city, without getting your head lopped off, your knees blammed from under you, or your nose biffed out of the back of your head. Grizzly stuff! There are three Shockways around the town, one moving slowly enough for you to step on from a standing start, the next one moving slightly faster, with the final outside lane going so quickly your hat blows off.

Along the side of the shockways are piles of ammo for you to fling at your punkish opponents, but in the absence of a handy missile your fists may have to do. Still, you've

got to be good if you want to survive in this game. You'll have to jump, punch, fling stuff, duck, weave, weft, think, plot, draw and circle... phew!

A marvellous way to end your life on the shockway is the sub-sport of "not paying attention", especially when you reach a district with lethal hurdles to deal with. Many a rider has picked up his hat along *that* stretch of pathway, only to find his head in it!

It's all utterly addictive and completely unlike anything you've ever played before. It's unusual to find both originality and slick execution in a single game, but *Shockway Rider* has 'em. The graphics, in particular, are superb, from the three-speed scrolling to the great perspective effect when you throw a missile into or out of the screen. And the little figures are particularly natty! They run, they cheer when they get you, they splatter all

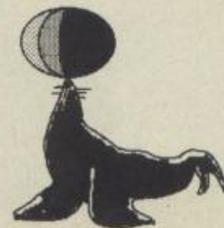
over the track when they hit a hurdle. Enormous fun!

The most interesting thing about the game is the shockways themselves. They move along at different speeds, yeah? So what happens when you jump onto the next one along? The previous one goes slower, right? Yes it does. And so do the fiends who're riding it! So standing in the middle shockway, you have thugs bearing down from behind you on the fast lane, and weirdos hanging back in the slow lane, both of whom could jump onto your lane at any moment! You've got to choose where you jump very wisely, and blimmin' quickly too!

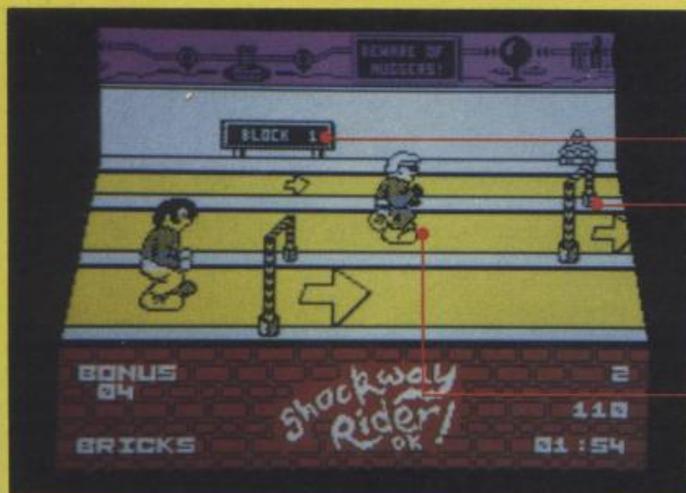
Another fine game from the FTL studio, and more than likely a future classic!



**Rachael Smith, Marcus Berkmann, Phil South, Tony Hetherington, Gwyn Hughes and Rick Robson have done it again! What, you may ask? Only reviewed the best games on the Speccy, that's what!**



**YS Seal Of Approval**  
All games reviewed in Screenshots are finished products.



You have to get through around 12 blocks (on the first level, at least), before graduating to higher levels. You've got a time limit, too, so watch the clock in the bottom right corner.

You'd have to be Ed Moses to get over these hurdles, and since you aren't you'd better get out of the way pronto. Remember, these things were sent to try us! (Or in this case, kill us.)

You can tell by this bozo's shades that he's a baddie — oh, and the cheesy hairstyle. These characters are the only ones that change lanes and attack you — the others are just sitting ducks. That doesn't stop stationary thugs suddenly turning into beshaded ones, though, so don't be complacent!

You'll need ammo to survive *Shockway Rider*, so flip over to the hard shoulder and pick up these bricks. But be careful — supply isn't unlimited, and you'll have to replenish your stocks regularly.

You can really lose your head over this game if you're not careful. Notice the smug expressions on the thugs' faces. Do you really want to give them the pleasure? And why aren't they biffing each other, for that matter?

On later levels, pick up five of these mailbags for an extra life and heaps more points. But watch out, 'cos they always seem to be positioned awkwardly close to those head-high hurdles. Odd, that, isn't it?





# JUDGE DREDD

Melbourne House/£8.95

**Phil** In the dark and grimy streets of Mega City One, crime lurks around every corner. There's a perp in every doorway, just waiting for an opening to do you over, rip you off, sell you some tobacco, or shine your shoes. There are a million squillion sob stories in the naked mega city, and it's your job to see that you, or anyone else, doesn't become yet another one.

You are Judge Dredd, the most feared, respected, efficient, sharp shooting, square jawed, and just plain rugged, stubbly Judge in the whole darn city. It's just as well, 'cos all hell is about to break loose. You've got to drive to a handful of crime scenes, seek out (and dispense a bit of rough justice to) the gun toting perps, without accidentally icing any innocent citizens, and get on to the next job. Blam! Blam! Blam! Blam! Phew! It's hard work, 'cos the perps are spreading through the city faster than you can say "I Am The Law!"

The game takes place, in the great *Ghostbusters* tradition, on a map of the city. You race your little Dredd cursor around the streets of the map, clicking

your fire button on the flashing crime scene. Once you've selected a city block the scene changes... suddenly you're leaping (and what leaps!) around the platforms of the city, where you must hunt out and kill the perp before he literally gets away with murder.

*Judge Dredd* plays very well, and is similar to Virgin's *Dan Dare* in style, with lots of gritty action, and a horde of animated baddies. You have to shoot, but avoid being shot which involves a sort of *Space Invaders* tactic. You remember, the old shoot, move, shoot, move... etc. When you push up on the joystick, you jump high up to the next street level, out of harms way. There are about ten levels in each cityblock, and lots of ways to nip around them.

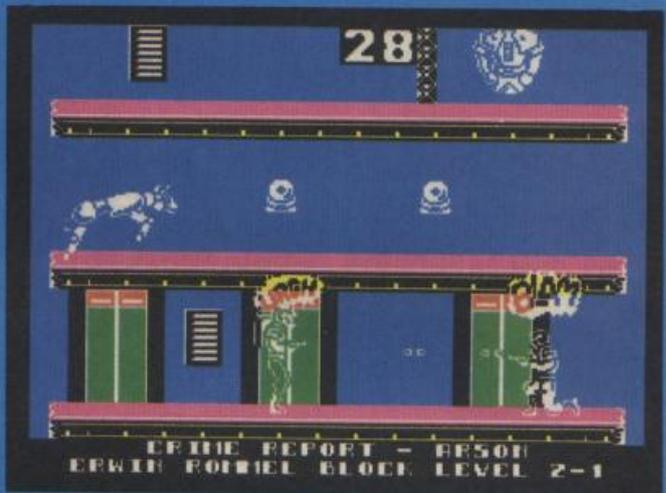
The graphics are particularly zarjaz, especially the little figure of Dredd who has a range of macho poses to suit even the most demanding 2000AD snobster.

I love it! Enjoyable to the very last drok!

Graphics	8
Playability	
Value for Money	
Addictiveness	



Who ya gonna call? *Ghostbusters*! Oh, no it's not. It's the map of Mega City One, from the first part of the game. You are the Dredd cursor (near the top of the building on the right), and it's on this screen you select a crime scene by pressing Fire. The crimes pop up pretty quickly, though, so you'd better get going fast! Each crime is depicted with an icon on screen, like tobacco smoking, mugging, arson, fatness... you know the type of thing. Go get them perps, Lawman!



At last! You've cornered the perp twerp on level 2-1 of Erwin Rommel Block. He's armed and dangerous... but so are you, Dredd. The big problem is trying to tease him onto a level where there are no obstructions, like robot dogs... better still, blast the robot dogs, and fight on the cleared level. Oh yes, don't try to shoot around the guardian robot (like the one on the top platform). They're impervious to your shots, and will only deflect them away from your intended collar.

# ACROJET



Microprose/£9.95

**Tony** Unlike most flight simulations, where you take off, fly like a bird and then land, in *Acrojet* learning to fly a plane is just the beginning — then you've got to attempt ten death defying challenges that even Biggles would have trouble with.

Still, all is not lost 'cos there's a series of levels that'll let you tune the controls so they are either realistically fast for the flying aces or completely catatonic for the Gary Numans among us. Added to which you can start each mission when you're already airborne so you don't need to be a whizz at lift off. So, release that throttle 'cos we're ready to take to the skies Dick Dastardly style...

Once you've gained some control over your flying machine it's time to compete in one, five or all the ten missions lined up for you. These challenge you to fly around courses marked out with pylons, cut ribbons with your wing tips, practise the loop the loop (wahay!) and land — dead easy you might think, but it's no mean feat when you've cut your engine at 2000 feet!

I found flying a bit tricky to begin with but even I soon got the hang of it. The hardest part of the game is getting to grips with the instructions! Luckily, you do score points even if you don't complete an event and land up on the runway like a lump of strawberry jam! So, even hapless beginners can compete against two or three mates.

The graphics are quite natty too, though I did have problems keeping my eyes on the controls and the plane. A realistic simulation, *Acrojet's* a hell of a lot better than flying Dan Air!

Graphics	7
Playability	
Value for Money	
Addictiveness	

**Alligata/£7.95**

**Marcus** Well, blow me down — it's Alligata's answer to *Lightforce*. Actually, that's probably not the best thing to say, 'cos the aliens in *Trap* have been doing a lot of blowing me down lately, and up. This is the latest in a long line of vertical scrolling shoot 'em ups, but don't run screaming 'cos this one's pretty nifty!

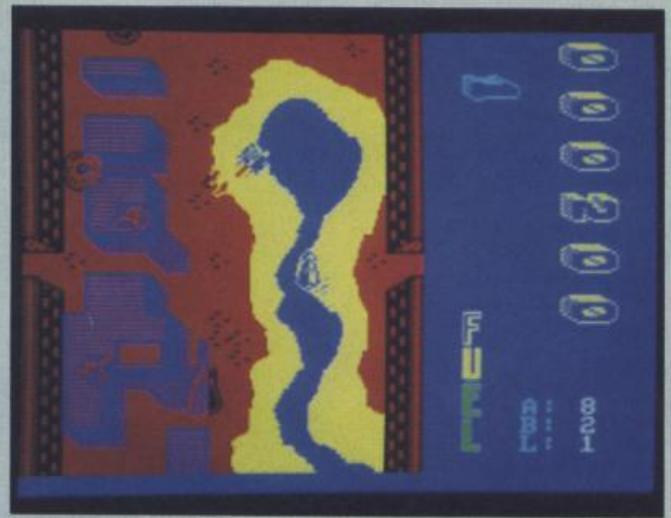
But is it violent? Sure is, pardner. Fourteen levels of multicoloured action stand between you and your goal and you'll need to be a whizz with the stick if you're going to get even a quarter of the way there. Hey, but look at those graphics! With all that definition and colour, surely there's no room in the Spec's tiny brain for speed, size and all that crazy jazz music, eh hep cat? But *Trap* has it all, though heaven knows how.

Hands up who's played a shooter whose simple aim is

the destruction of the evil and fearsome mother ship which has been terrorizing your planet. I thought so. Well, in *Trap* there's more. On every level you're given a certain number of alien thingies to fry (the number increases, natch).

On level 1 there are ten alien ships to kill, two boats to bomb and one laser to knock out. All need different techniques. When they're all dealt with, the border turns red and you head for the landing pad. Now you switch to foot for the final part of your quest to collect the orb (the game's currency) and move on to level 2. As you pick up orbs, you can upgrade your spacecraft to something a bit zappier, which'll help on the higher levels.

Pass over cargo ships and you'll pick up cargo that you can drop over the little men for extra lives. Replenish your fuel by bombing the fuel dumps. And don't bother about shooting the space mines at the begin-



ning 'cos there aren't any points for 'em.

*Trap* isn't your everyday shoot 'em up. There are a few problems with colour definition, and it can be difficult to get used to the changing colours of the alien vessels. But get used

to it you will, and from then on in it's a thoroughly rewarding zapper. Okay, you can put your hands down now.

Graphics Playability Value for Money Addictiveness

**Argus/£9.95**

**Gwyn** Mighty battle machines roll out of high production factories, across a barren strip of land against a ruthless, alien enemy. Could this be the face of wars of the future? More importantly, could this be the face of wargames of the future?

*Nether Earth* is something new in the field of strategy. It combines a sophisticated test of resources and supply management with the challenge of battle tactics — then crowns it all with a simple menu system and impressive 3D graphics. Those maps of Waterloo will never seem the same again.

There's enough here to satisfy the hard core thinker, though it may never replace the historically accurate simulation in the traditionalist's heart. But there's also enough fast moving fun to tempt anybody who's previously been put off by the apparently arcane complexities of doing battle on a Spectrum.

The plot is simple. Our enemy is the Insignian invasion force, which is marching in from the East. Meanwhile, at the Western end of the battlezone lies our Warbase, where the battle robots are assembled.

But a Warbase is of little use unless it's supplied with the raw components, so the first thing you have to do is send your initial batch of robots out to secure neutral factories. These'll be fairly slow and basic droids, but as the supply points roll in you'll be able to assemble more complex models, replacing the clumsy bi-pod movement with anti-grav manoeuvrability and short range cannons with devas-

tating missiles. Fluffy dice and go faster stripes are not available though.

Giving commands is simple. You skim around the area in a small craft that can also be used for reconnaissance, landing on either the Warbase heli-pad or a robot's head. This opens up a menu, which in turn may lead to a sub-menu, and you can either issue orders or

take direct command of an android, while it wears you like a toupee.

The eventual aim is to thin down the enemy's defences, while containing its advance, then nuke the Insignian Warbases. For this you'll need twenty supply points for the warhead alone. These things don't come cheap, you know!

*Nether Earth* blends the

relentless drive of American Football with a management game, great graphics and some useful sound effects to warn you of battles. There's literally nothing quite like it.

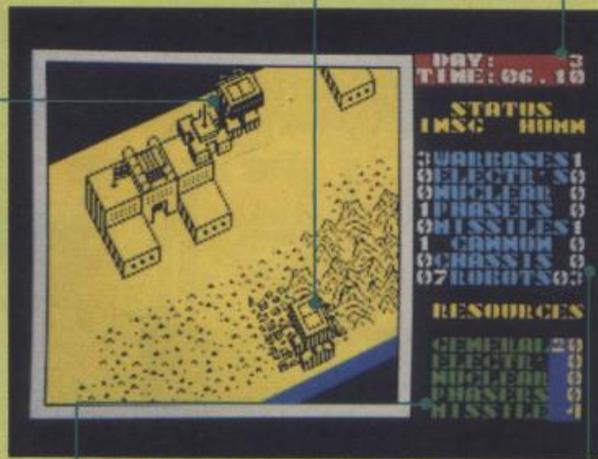
Graphics Playability Value for Money Addictiveness



Use your hovercraft to keep an eye on what's happening. This is a track-making factory, and you can see from its roof that it's ready to contribute to the war effort.

Bi-pod robots, armed with low cost cannons, are cheap and expendable early on. But this type of chassis would be no good over the uneven terrain at the bottom of the screen.

Time is ticking away but it's all to your advantage. More supply units are produced with every day that passes. As the game can be quite long, there's a Save option, too.



Don't neglect the intelligence reports that appear in this status window. They'll tell you just how strong the Insignian challenge is, and the state of your offence. The command menus appear here too!

The radar screen is limited in its range, but it can still warn you of invaders, or your droids getting stuck in bad conditions.

# NETHER EARTH

# I BET SHE USES YS MEGABASIC...



Illustration: Nick Davies

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## YS/STARLIGHT COMPO

**W** hooooowhoooo! Psssh t'cooff... psssh t'cooff. Remember Ivor The Engine? Well, what about those other stars of the railway world, Thomas The Tank Engine, The Flying Scotsman, The Orient Express, or the 7:15 from Wimbledon? Any YS trainspotter worth his BOAC bag should've heard of all of them — but only the hippest 'spotter will know Rusty, Electra and Greaseball. No, they're not the latest Care Bears, but the stars of *Starlight Express*, the musical extravaganza by Richard Stilgoe (that funny little chappie with the beard and piano) and Andrew Lloyd Webber (that funny little chappie with the hair and £8 billion). Based very loosely on the *Thomas The Tank Engine* books, it's the story of three engines (one electric, one diesel and one steam) who battle it out to see who's the fastest. With two and a half miles of high speed roller skating action it's a real steamer.

What's this got to do with YS, you ask? Well, *Starlight* just happens to be the name of Ariolasoft's new label. Its first game (reviewed in this issue) is *Greyfell*, an Ultimate-style arcade adventure with spells, loads of characters and enough plot to keep you playing for months. To celebrate its release, YS and Ariolasoft are giving away two pairs of tickets to see this musical of a lifetime in June. Not only that, the two winners will also get a *Starlight* sweatshirt each and a copy of *Greyfell* to share. All right, each. You drive a hard bargain.

There's more. Five second-prize winners will walk away with a sweatshirt and a copy of *Greyfell* and a further 25 runners-up will win copies of the game. We've definitely gone off the rails with this one!

So what do you have to do to make sure you don't miss the boat train? It's as simple as the plot in *The Railway Children* — well nearly. Let your brain take the strain — just have a butchers at the cartoons featuring that star of stars, the YS Trainspotter, causing more locomotion than a British Rail timetable. Then be a real trainspotter by counting the differences between the pictures and filling in the coupon or a photocopy, with your answer. Then all you have to do is catch the 2.30 to Paddington, hop on a tube and station yourself outside the YS office until the end of April (although it may be easier to post it). What are you waiting for — you've got a compo to catch!

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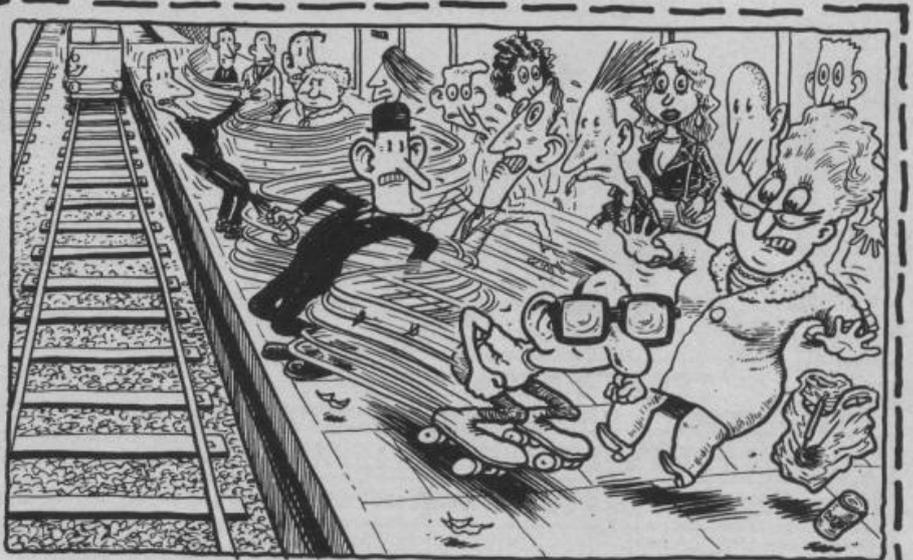
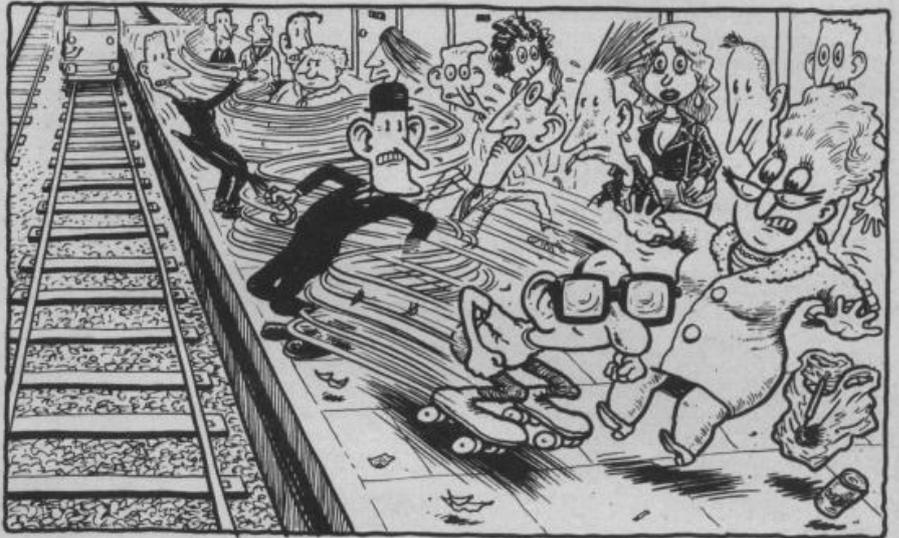
You'd be a real John Thomas The Tank Engine not to get your entries in on time — April 30th, the BR New Year.

Employees of SportsScene Specialist Press and *Starlight* will not be reserved a seat on this competition — so naff off!

You'll have as much luck arguing with the Ed about her decision as British Rail has getting there.

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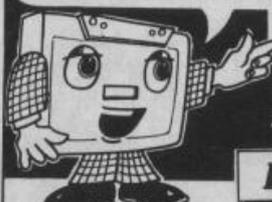
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# SIGMA

# 7



Durell/E7.95

**Phil** A long time ago, in a galaxy just around the corner, a great adventure took place... (cue music, dah-daannnn!) ...The Evil Sigma Empire despatched its seven great warfactories (Sigma Seven), on a journey towards Sol III, called Earth by its inhabitants. En route towards the blue planet, the warfactories were creating the strike force that would lay Earth to waste and press its people into slavery... (gasp) But little did they know that Earth's advance warning system on Pluto had alerted deep space defence ships, which were sending tiny interceptor vessels to meet the Sigma Seven, just outside the Solar System...

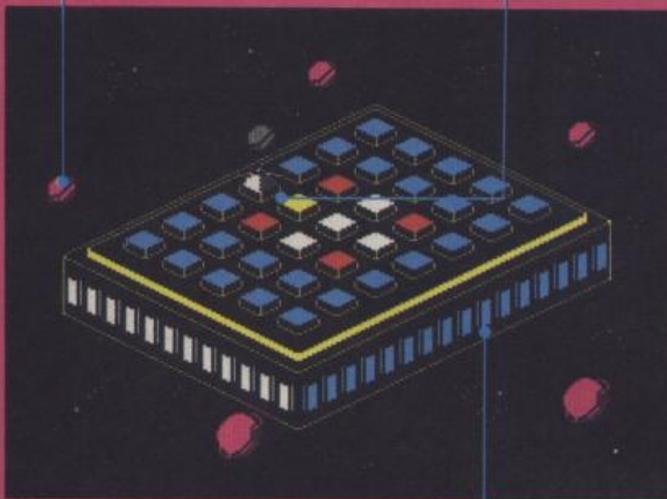
First they had to tussle with the robot fighters which buzzed around the warfactories like insects. The Earth fighters examined the trajectories of the robot fighters, and picked them off, swerving to avoid ones they missed ('cos they exploded on contact!) Having landed in the factories, they released a small manned tank into the innards of the great war machine. Winding its way around the corridors the little vehicle destroyed the robot mines, protecting the computer codes to the self-destruct mechanism. Sure enough, embossed on the floor of an intersection, they found the configuration code. Memorising it, using their specially hand-carved brains, they pressed on to the very nerve centre of the mighty ship. Skillfully avoiding the sensor mine positioned over the buttons, they punched in the code to the ship's master computer... and waited...

**BLAMMO!**

Cor, what an epic space game this is! I tell you, you'd have to go many a long parsec before you'd stumble across a shoot'em up as good as this one. There are seven warfactories, (or levels) and each has three stages. The

This little white bobble is your cursor. Move it over the button you wish to select, and press fire to bop it down onto the button. You have to turn the flashing buttons white by pressing them, but you can only press them when they turn yellow, so your timing is crucial.

The obstacle in your way to setting the code is the homing mine which floats above the surface of the buttons, lagging behind you by one or two squares. You have to lead it away from the buttons, then time your trip back to them, so they're yellow when you get there.



The further up the levels ladder you flog, the longer the distance to the factories. That means more ships to shoot, more space to hop, more fuel to burn, and more blisters on your poor old trigger finger. So get weaving and keep that finger pumping. There's a lot more where these came from!

Here's the keypad connected to the factory ship's main computer, into which you must punch the configuration code for the self-destruct system. This you must memorise before you leave the last level, embossed as it is on the two intersections on the factory floor.



This is you. Fearless-Earth pilot, Dick Strut, blasting your way to freedom through the buzzing nest of robot fighter mines surrounding the factory ships. Setting his jaw and putting a wire in his scarf so it sticks out, he forges ahead...

The robot ships are pretty dumb. They'll always follow certain paths, like this one through the centre. It's a good strategy to lurk in a small area towards the bottom of the screen, and pick off only the ones coming right at you.

first stage is the flight towards the factory from your base ship. You fly, *Zaxxon* style, towards it, firing the brilliant white laser blasts (which seem to burst through the attribute problem as if it wasn't there) at the onrushing robot ships. The distance between your base and the factories gets longer as you advance through the levels, so you'd better get a lot of practise in if you want to get into the meat of the game and don't want to end up as a

splash of pixels drifting through space!

This is a fabulous game, to be perfectly honest. It's a real arcade challenge, firstly and foremostly, but as well as this, it's a tough test of strategy and a fiendish way of stretching the muscle between your ears. The graphics are colourful and very nicely rendered, with a sharp eye for minimising attribute clashes and maximising the special effects — the slide which covers the screen

between scenes, scratching up and screeching down, is brilliant to watch and an effective break in the action.

The sound hasn't been forgotten either, with a foot tapping signature tune, and rasping sound effects.

This is one game I recommend you play immediately. If not sooner!

Graphics	9
Playability	9
Value for Money	9
Addictiveness	9



### THANATOS

In this magical game you take control of a dragon, Thanatos the destroyer, whose eternal destiny lies in conflict with the forces of the underworld. The dragon which is very large and superbly animated, flies, walks, swims, and burns its way through the landscape. The game features fantastic landscapes with a totally new panoramic scrolling action.

"Wow! This game is really amazing; stunning, astounding, brilliant! The tune on the title screen is very nice, but the graphics are absolutely superb." CRASH, December 1986 (overall rating 93%)

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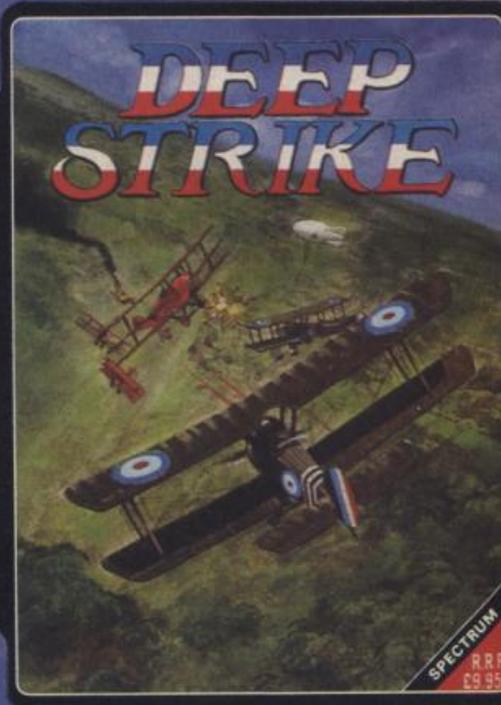


### DEEP STRIKE

At last an opportunity to try your luck against the Red Baron and his flying circus of World War I flying aces. This game not only lets you take-off as a fully armed fighter, but also gives you control of the four bombers of your DEEP STRIKE attack force. It uses the latest techniques to bring you a smooth-scrolling and tilting 3D landscape viewed from the cockpit in full colour.

"...after a few games I really got into it. The way you can bomb the ground features (especially churches) makes the game much more enjoyable than if you just had to shoot planes. Overall a game that you should come back to quite a lot in the future." AMTIX, February 1987 (overall rating 71%)

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### SIGMA

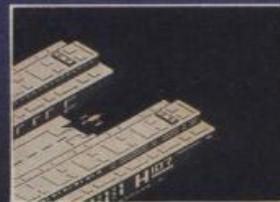


### SIGMA SEVEN

An all-action arcade game featuring imaginative state-of-the-art 3D graphics and exciting synthesised sound. There are seven increasingly more difficult stages to the game which starts-out easy but ends-up almost impossible. Each stage is split into three phases: first take a space-fighter and blast your way to the next station through swarm-mine defences, then free that station's internal pathways of killer-robots and radioactive deposits, to finally reach the remote-controlled main panel which must be reset within a critical few seconds.

"I really like this - it has three neat mini-games all of which are very playable and addictive. The graphics are really crisp and clear with a beautiful starry backdrop." ZZAPP, February 1987 (overall rating 70%)

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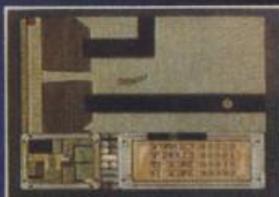
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"Playability and addictiveness are of the highest standard, but as for the graphics - well, what can I say! As far as animation and solid 3D goes, this is probably the best I have ever seen" CRASH, November 1986 (overall rating 95%)

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# EAT WORM

blows a sparky



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## DURELL



### SABOTEUR II Avenging Angel

### SABOTEUR II - Avenging Angel

A follow-up by the original author, where as the Ninja's beautiful sister, your mission is to revenge your fatally wounded brother. The rebels have found that the disk he stole in "SABOTEUR" also contains data for one of the dictator's missile silos. Your job is to fly in by hang-glider, fight your way through the security guards, pumas, dogs and radio-controlled robots, to seek out some top secret punched tape to activate the missile's launch control. Launch it, disable the electric perimeter fence, then break-out by motor-bike. Over five hundred locations, three buildings, underground caverns, intelligent guard dogs and stupid guards.

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# BRIAN CLOUGH'S FOOTBALL FORTUNES

CDS/£14.95

**Gwyn** This is unusual. A computer game for two to five players which comes complete with board, counters, lots of little cards and Bank of Toytown notes in £100,000 denominations. Has CDS flipped?

I don't think so. Zapping aliens is fine, but it's a lonely business. So it was onto the blower to enlist the aid of T'zer (On the 'ead, son) Maughan, Phil (Get stuck in there) South, Marcus (Are you blind, ref?) Berkmann and Rachael (Oo, err, is that the ball?) Smith.

Of course, *BC's FF* is a football *management* game, but that didn't stop Smiffy turning up in shorts and a number eleven shirt. Thank heavens nobody mentioned full team strip — she probably

would have!

The aim of the game is nothing short of world domination — soccer style. At home there's a league to conquer and the cup to win. After the first season things get really exciting, because there are European competitions too. But success in these fields is only one step to acquiring management points. Teams start equal, but by the end of the game, one will be more equal than others. And the manager who's led it to fame and fortune is bestowed the title of Cloughie the Conqueror by the computer.

So it's off round the board, with the Spectrum shaking the dice. The squares you land on can help you supplement your squad, suck away your money, or crush you with the fickle

finger of fate through chance events, detailed by the micro.

The computer's got a more important role in the second stage of each round. That's when the matches are played. Each manager enters their team's defence and attack strengths, which are the sum of each player's personal ability points. You start by choosing from a squad of thirteen, including two utility players, who're good anywhere except in goal.

At first the teams rate much the same, but as the game progresses each player has the chance to build up their squad, or find it decimated by bad luck and face possible bankruptcy. Auctions are one way to acquire stars, but the real strategy and excitement lies in private deals.

Spend too much early on and you might well have to sell

that extra striker to raise capital, especially if his transfer could result in another manager's FA Cup chances getting hammered!

The computer calculates results for all the teams in the league, whether they belong to players or not, and then works out the league tables. You can set the skill level of the micro teams, to give the miserable humans an even tougher time.

After all that, it was inevitable that Rachael (Over the moon) Smith would make us all as sick as parrots. But that just goes to prove that you don't need to know anything about footie to enjoy this — you just have to be good at wheeling, dealing, bargaining and backstabbing!

Graphics	□□□□□□□□□□	9
Playability	□□□□□□□□□□	
Value for Money	□□□□□□□□□□	
Addictiveness	□□□□□□□□□□	

MANAGER'S RATING				
MANAGER / TEAM	LEAGUE	FA	EUR	TOT
MARCUS SOUTH	12	0	0	12
RACHAEL SMITH	10	0	0	10
PHIL SOUTH	6	0	0	6
T'ZER MAUGHAN	2	0	0	2
Gwyn BERKMANN	1	0	0	1

← FIRST MENU CHOICE →  
← LIST MENU OPTION →

Despite the Basic, error trapping is good, so you can't enter ridiculous team strengths. You'll need to do well in all areas to gain maximum management points. But one of the nice things about *BC's FF* is that, even if you're not named Top Manager, you can still have the satisfaction of winning one of the competitions.



Sponsorship's a handy square, boosting the readies. But beware of buying too many men. Every time you land on Wages you have to fork out for every player you won, and a more powerful squad means paying more squid.

Bank Finance can come in handy if you're strapped for cash. You can sell any player to the bank for three-quarters of their nominal value, calculated at £20,000 per skill point. That could explain why all the cashiers have muddy knees!

Land on Managers Luck or Selection Problems and the unexpected happens. It may be bad or good, but crash onto Crisis and you're fined £50,000 and lose your best specialist player automatically!

In the Auctions, a player is peeled off the pile in the centre of the board and everyone bids for him. This can be a straight contest, but in a 50 percent Auction the person who lands on the square need only pay half their final bid!





## Froggy goes a-courtin'...but Marcus Berkmann is already spoken for, thank you very much.

**R**abbit, rabbit, rabbit. It's a frog's life on the Spectrum sometimes, even if you are partial to flies. Pity poor Mervyn, then, a sorcerer's apprentice who, while trying to concoct a potion to make him tall, dark and handsome, turns himself into something short, green and extremely slimy — a frog. Still, it helps him survive an invasion of evil warlocks — now he's just got to go round and destroy them, all 96 of 'em on eight labyrinthine levels. Or rather you've got to.

This is the scenario behind *Rana Rama*, a fast-hopping megazapper from the magic keyboard of Hewson's Steve Turner. Okay, so it does look a bit like *Gauntlet* — lots of games will from here on in — but it doesn't play like it, no sirree. You've got to think while playing this one — something that may not appeal to fans of the great glove.

You're stuck in a massive dungeon of eight interconnected levels and about four by four screens per level. You see only the rooms you've visited (50 to 100 per level), and meanies are only visible in the room you're in — a clever touch that peps up the game no end while no doubt saving lorryloads of memory. The network of rooms is deliberately complex, and you often have to go around the houses to reach one you've missed.

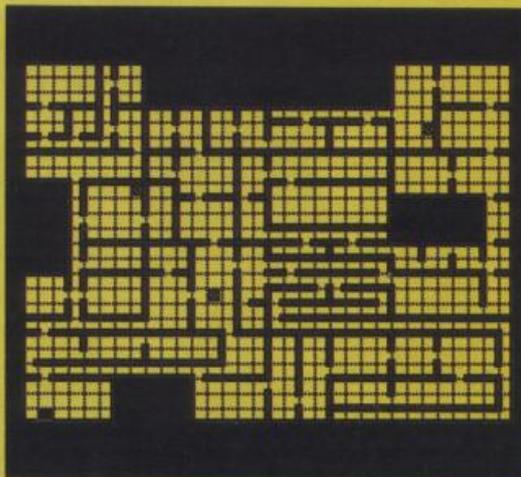
Throughout the game you carry with you four spells — Power, to keep you going, Offence (or firepower to you and me), Defence, and Effect, a sort of catch-all category that gives you certain useful (and occasionally bizarre) powers against your enemies. Spells can be upgraded, though it's a complicated business. Every time you touch a warlock, you're launched into a subgame where you must rearrange the letters R-A-N-A-R-A-M-A (helpfully muddled by the computer) in the right order pretty darn swifly. Get past this, and Mervyn has the chance to pick up a maximum of four magical runes which flash onscreen.

Runes are vital if you're to get anywhere in *Rana Rama*. With them you can bump up your spells and make yourself more powerful. For this reason the most dangerous part of the game is the first bit, when you're at your most vulnerable. When you've got some runes to play with, you can afford to take more risks. But at the start, concentrate on damage limitation.

As you'll see from the table, some runes are rather better than others. The really whizzy ones you'll find only on the lower levels, but occasionally you'll get a good one on level 1 when you pick up all the four runes going. If possible try to tempt the warlock into a smaller room, 'cos it'll be easier to grab the full rune complement.

## Frog's Legs

One of the game's nicest features is the way you slowly build up the map of the level you're exploring. The See Glyph shows you which rooms you've visited, and exactly where you are in the grid (a flashing light). Lifts to other levels are also highlighted. With a See Spell you'll also be able to spot wandering warlocks (red squares), but again only in parts of the maze you've already explored. The map also displays any secret doors you may have missed. Starting up, though, can be tricky, so here's the first level complete and unscathed by warlocks...



# THE COMPLETE

# Rana Rama

## AT THE HOP

The Sorcery Glyph displays your spell status and rune list, and lets you scroll through the available spells. Head for this immediately after grabbing some runes to stock up your spell larder.

Harassed by minions? Stand on this glyph and many of them will go west. There's a random element to it, though, so you may kill the lot or none at all. Disappears after use.

It's a nice effect when you do blow up a generator, and you could well find that you can now reach parts of the room other beers cannot reach. (Eh?)

The See Glyph shows you a map of all the rooms you've visited. And as with all the glyphs, land on this and the meanies can't get at you.

Grab this energy capsule when you start flashing, otherwise it's curtains. A nice trick to know is that when you've knocked off all the warlocks and moved on to another level, there'll be loads of energy capsules around if you come back — so pop up now and again to refuel.



## Born To Rune

Here are the first five levels of spells and the runes you'll need to get 'em. The warlock is the man to get the runes off, then use them wisely. With offence and defence it pays to upgrade at every opportunity. Bear in mind that power spells can be lost, returning you to the ranks of mere mortals, so it's up to you whether you want to invest in an Electra or an Elemental or settle for a Psychic. You'll soon decide which of the Effect spells you like best — note that when you upgrade you lose the Effect you had before. The Effect spell is activated by standing still and firing — if you do this quite a lot, consider carefully which one you'd prefer to use. I prefer the Find and See spells myself, especially on levels I haven't been before. Jump, which sends you randomly to another place in the grid, is often more trouble than it's worth.

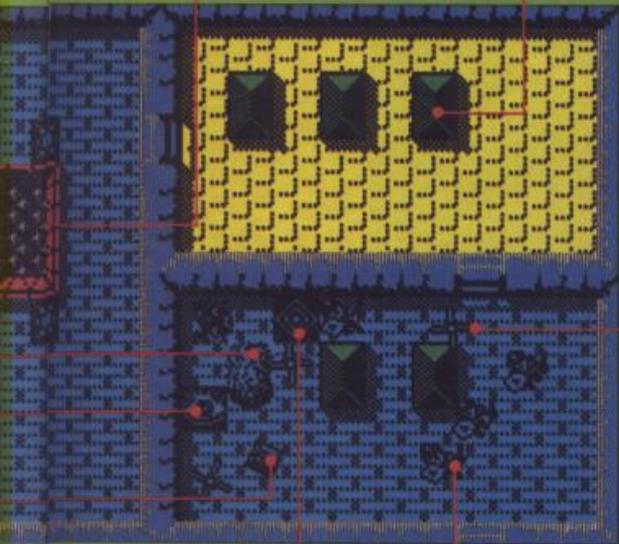
# LITE PLAYER'S GUIDE TO

# Rana Rama

This corner of the first level (the top right hand corner on the map) is always one of the busiest — although you can't see them now, the other two rooms are just groaning with meanies of every description. Destroy those generators quickly, or else your position will be hop-less!

This thing's harmless, but unlike the little generators it can work to your advantage. Not only can you use it as cover but you can shoot over it and zap your enemies in relative safety. Neat, huh?

Generators produce the warlocks' Magical Weapons, so they need to be destroyed as soon as you enter the room. Otherwise you'll have munchies and energy balls all over you — nasty!



Way Glyphs take you down to another level, but watch out 'cos they may take you further down than you're really ready for. And you can't always get back either. So stock up with some heavy duty spells before you contemplate moving on.

Dwarf Warrior? Looks like a troubadour to me. They're dangerous little characters, nonetheless, so wipe 'em out!

## MERVYN'S MEANIES

### Death Serpent

Spawned from the heads of dead warriors — yeeugh. 5th level minion that'll need five zap shots if you want to see the back of it. You'll need a Buzzball or better for instant results.

### Ghoul

A 6th level fighter that's barely visible. That doesn't stop it from draining your energy at a scarily rate, of course.

### Arachnae

Aren't spiders vegetarian? Possibly, but not these. No nut outlets for these vicious octopeds — they're much keener on froggies (and we're not just talking legs).

### Gargoyle

You'll have to venture to the very deepest levels to find these sweeties — and you'll soon wish you hadn't bothered. Swift, cunning and deadly to anyone without high-powered defence.

### Warlock

The stronger a warlock, the keener he'll be on touching you and forcing combat. Only the weakest warlock will succumb to missile attack, but don't bother anyway — otherwise you lose your runes!

### Necromancer

Very nasty characters, these, to be found mainly on the bottom levels. Avoid unless you have at least 4th level power and defence. Level 8 necromancers are the most powerful meanies in the game, so go well prepared!

Although you don't get points for "killing" weapons, you do have the satisfaction of knowing they're not going to leap out behind you all the time. Generators, incidentally, are worth 500 points.

There's a random element in which runes you'll pick up, but generally they'll be more high-powered the more trigger-happy the warlock.

The spells you start with are mainly Base Magic spells which, honestly, aren't up to much. The one exception to this is the power spell, where you start as Psychic. When you're killed — and you will be — you revert to level 1, Mortal. Die again and the game's over, so go to Psychic as soon as possible after your first demise if you want a buffer between you and oblivion.

What sort of nasties must you cope with? The warlocks (and on lower levels the necromancers) are of course your main target, as they provide the valuable runes. Don't fire at them, walk into them — this is in effect a challenge to the warlock and leads to the subgame. Warlocks are normally surrounded by Magic Minions, which are usually recognisably animal in shape (if only just) and limited in number. They come in many forms, from Dwarf Warriors (relatively easy to kill) to Gargoyles (rotten meanies). Kill the lot of 'em.

The third type of meanie is the Magical Weapons. These come from small square or rectangular generators and are endlessly renewable, unless you destroy the generators. It's vital, then, to knock off any generators as soon as you enter the room — even before going after the warlocks.

While warlocks fire at you, their minions and weapons will walk into you to harm you. As you weaken, your frog will begin to flash and his croaking will grow louder and more desperate. To stay alive you'll need to find one of the many gyrating little energy capsules which, like rozzers, are never around when you want them. When you need a capsule, it'll fizz loudly as it whooshes into you — if there's no fizz, you've wasted it.

And there's more. Secret doors are scattered liberally across the dungeon, so don't be misled by what seems like a dead end. If minions appear through walls, that's where the door is. Alternatively, the map that's activated by the See Glyph (displayed as an eye) shows all the secret doors.

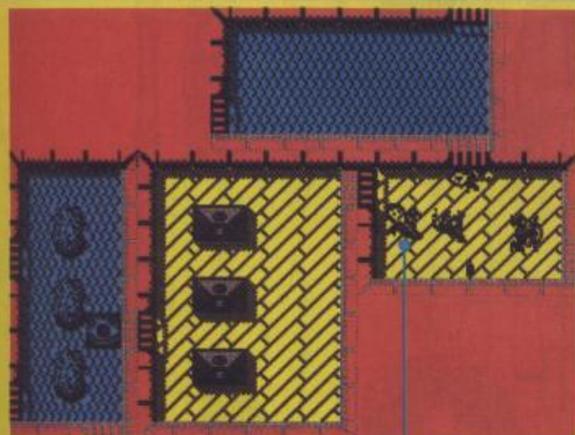
Rana Rama is one of the best games I've ever played on the Spectrum. Fans of that little charmer, Gauntlet, find Hewson's entry less than gripping — it's all a matter of personal taste, I s'pose. But I'm hooked — two and a half hours last night, battling my way down to level 6. There's just so much to do and think about, and it's a treat for the peepers. So my advice is, hop off and snap it up — it's toadally brilliant!

Graphics  
Playability  
Value for Money  
Addictiveness



### FAX BOX

Game ..... Rana Rama  
Publisher ..... Hewson  
Price ..... £7.95  
Keys ..... Up A-G, Down Z-F, Left B or N, Right M or S/S, Fire H-L  
Joysticks ..... Most types



Warlock by name, warlike by nature. To get his runes, just bump into him and you'll play the speed test subgame. It's best, though, to get rid of some of the other meanies before doing this, 'cos otherwise they'll get in the way when you're rune-hunting.

	Power	Offence	Defence	Effect
<b>Base Magic</b>	Mortal $\mathcal{X}$ Uses your own life energy. When expired you are doomed.	Zap $\mathcal{P}$ Better than nothing	Protect $\mathcal{X}$ Standard defence	Find $\mathcal{P}$ Will cause hidden doors to appear
<b>Mysticism</b>	Psychic $\mathcal{X}\mathcal{P}$ Uses energy of the mind.	Missile $\mathcal{X}\mathcal{P}$ Improved firepower	Shield $\mathcal{X}\mathcal{P}$ Reduces hits	See $\mathcal{X}\mathcal{P}$ Displays warlock on map if room has been explored
<b>Witchcraft</b>	Symbiotic $\mathcal{P}\mathcal{X}$ Uses life force of others.	Plasma Bolt $\mathcal{X}\mathcal{P}\mathcal{X}$ Bane of mortals	Wall $\mathcal{P}\mathcal{X}$ Better defence against physical attack	Jump $\mathcal{P}\mathcal{X}\mathcal{M}$ Transfer through space when in real trouble
<b>Magecraft</b>	Electra $\mathcal{X}\mathcal{M}$ Uses electromagnetic force	Fireball $\mathcal{X}\mathcal{P}\mathcal{X}\mathcal{M}$ Deadly firepower	Barrier $\mathcal{X}\mathcal{M}$ Muncher of mortals	Demon $\mathcal{X}\mathcal{M}\mathcal{X}$ Unleashes an ally
<b>Runecraft</b>	Elemental $\mathcal{X}\mathcal{M}\mathcal{X}$ High power from the elements	Buzzball $\mathcal{P}\mathcal{X}\mathcal{W}\mathcal{X}$ Electric firepower	Unseen $\mathcal{X}\mathcal{W}\mathcal{X}$ Mortals cannot see you	Foolbane $\mathcal{P}\mathcal{M}\mathcal{X}$ Will cause mortals blind panic



A MAP BY

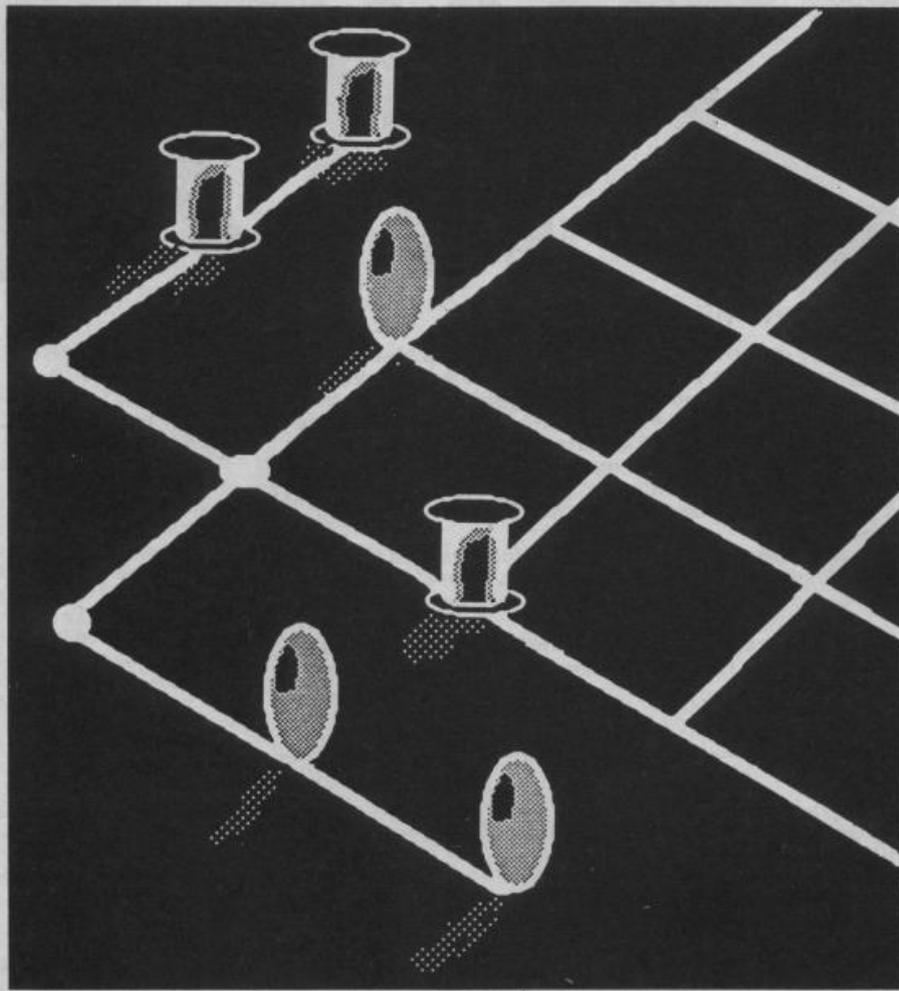
MISCHA WELSH

AND  
JON CLARK.



USING A GOOD  
VARIETY OF  
MOVES IS THE  
BEST TACTIC  
FOR SUCCESS.  
DUCK TO AVOID  
THROWN STARS  
AND LEAPING  
PANTHERS





# **PROGRAM POWER**

**PULL-OUT**

---

**NETWORK**

**+**

**A NEW HEX LOADER**



# NETWORK

by Chris Bradshaw and Phil Askey

**Network**, an original strategy game for two players, combines elements of the old chess and draughts idea, the Vortex from TV's *The Adventure Game*, Noughts and Crosses... oh, and a soupçon of the 100 yard dash as well. It's simply, but effectively, programmed in Basic, and the little machine code it does need is POKEd into memory from DATA statements.

The gameplay is a mad race to get all your space age counters to the far side of the grid. It may sound simple but it's not, 'cos the opposing player, if he's clever, can block your path with one of his other counters while he breasts the finish line before you.

The control keys are 6 and 7 for up and down directions across the grid, and 0 for moving to the selected node point on the grid. There's also an A keystroke to abort the game, should you get yourself into an insoluble mess.

Oh by the way, if the slowly scrolling screens between games get you down, just press a key (preferably not a game control) and the game will step forward a bit more sharpish.

Happy networking!

## Graphics Key

Here's a little list of the graphics keys used in the program, so you can suss out the PRINT statements. To get graphics just press Caps Shift 9. The cursor will change to a 'G'. Now any letter key pressed will print a User Defined Graphic (UDG).

A =	↑	E =	♁
B =	↓	F =	♁
C =	⌈	G =	✕
D =	⌋		

## Basic Program

Okay, here's the Basic program. Getting this great little mover up and skipping couldn't be easier. Just type it in and save it as **SAVE "network" LINE 1**. The program will then auto-run, giving you full instructions.

```

3 BORDER 5: PAPER 5: INK 0: C
LS
5 PRINT AT 20,10;"PLEASE WAIT
1": PLOT 79,0: DRAW 48,5: DRAW 4
8,-5: DRAW 4,12: DRAW -4,12: DRA
U -48,-5: DRAW -48,5: DRAW -4,-1
2: DRAW 4,-12: GO SUB 9000
6 FOR G=0 TO 191: RANDOMIZE U
SR 50200: NEXT G
10 PRINT AT 0,0: INK 2;" "; IN
K 3;" "; INK 1;" "; INK 7;"
"; AT 1,0: INK 2;" "; INK 3;"
"; INK 1;" "; INK
3;" "; INK 7;" "
20 POKE 23609,5: POKE 23658,8
30 DATA "XXXXXXXXXX NETWORK X
XXXXXXXXXX"
31 DATA "XXXXXXXXXX ===== X
XXXXXXXXXX"
32 DATA "","BY CHRIS BRADSHAW"
"," & PHIL ASKEY"
33 DATA "","IMAGESOFT 1987 'TH
E NEW IMAGE'"
34 DATA ""

```



**Typing time:** 1 hour 15 mins



**Loading time:** 1 min 10 secs



**Serves:** 48/128K

```

35 DATA " A GAME OF STRATEGY
FOR TWO"
36 DATA "PLAYERS."
37 DATA " WHEN IT IS YOUR TU
RN YOU MAY"
38 DATA "MOVE ONE OF YOUR COUN
TERS"
39 DATA "FORWARDS.YOU MAY NOT
MOVE BACK"
40 DATA "OR ON TO A SPACE OCCU
PIED BY"
41 DATA "ANOTHER COUNTER.TRY T
O GET YOUR","COUNTERS TO THE FAR
RIGHT HAND"
42 DATA "SIDE.THE PERSON TO GE
T ALL OF","HIS OR HER COUNTERS T
O THE FAR"
43 DATA "RIGHT HAND SIDE WINS.
IF NONE OF","YOUR COUNTERS CAN M
OVE THEN YOU","MISS A TURN."
45 DATA "","PRESS ANY KEY..."
","",""
46 PRINT AT 19,0: OVER 1: INK
1,, INK 2,, INK 3,, PRINT #0;AT
0,0: OVER 1: INK 4,, INK 5,,
50 RESTORE 30: FOR N=0 TO 25:
READ A$: PRINT #0;AT 1,0: INK 5:
A$: FOR A=1 TO 7: RANDOMIZE USR
50000
51 IF INKEY$<>" " THEN GO TO 54
52 NEXT A: NEXT N: RANDOMIZE U
SR 50000
53 IF INKEY$="" THEN LET N=N-3
: GO SUB 800
54 IF INKEY$<>" " THEN GO TO 54
55 PRINT AT 19,0: INK 1: OVER
1,, INK 2,, INK 3,, PRINT #0;A
T 0,0: OVER 1: INK 4,, INK 5,,
FOR 0=0 TO N#8: RANDOMIZE USR 50
100
56 IF INKEY$="" THEN NEXT 0
57 CLS
59 INK 4: PLOT 0,0: DRAW 167,0

```

```

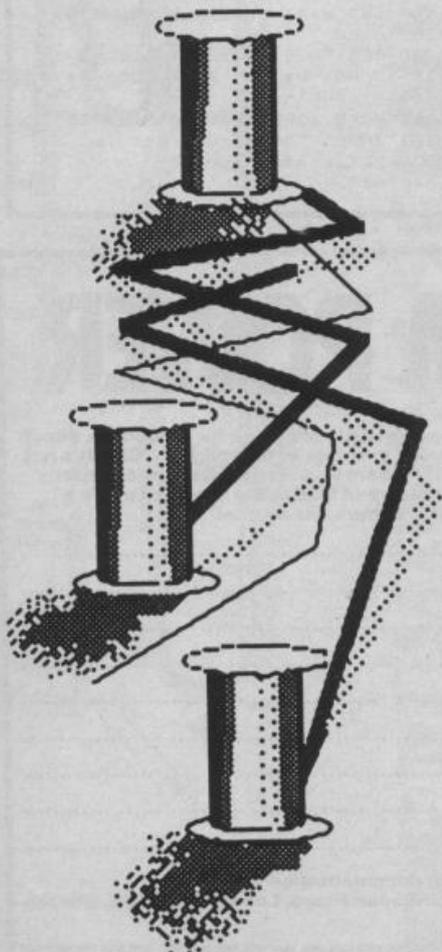
: DRAW 0,175: DRAW -167,0: DRAW
0,-175: INK 0
60 PLOT 19,75: DRAW 61,-29
65 PLOT 19,107: DRAW 60,30
92 PLOT 19,75: DRAW 163,82
93 PLOT 19,107: DRAW 162,-80
96 PLOT 83,76: DRAW 96,47
97 PLOT 115,60: DRAW 64,31
98 PLOT 147,44: DRAW 28,13
99 PLOT 83,107: DRAW 96,-47
100 PLOT 115,123: DRAW 64,-31
101 PLOT 147,139: DRAW 28,-13
102 LET B=0: LET P1X1=8: LET P1
Y1=2: LET P1X2=6: LET P1Y2=6: LE
T P1X3=4: LET P1Y3=10
103 LET P2X1=12: LET P2Y1=2: LE
T P2X2=14: LET P2Y2=6: LET P2X3=
16: LET P2Y3=10
104 GO SUB 110: GO SUB 170: GO
TO 200
110 LET E$="X": PRINT AT 4,10;E
$: AT 2,22;E$: AT 4,18;E$
111 PRINT AT 6,6;E$: AT 6,14;E$:
AT 6,22;E$
120 PRINT AT 8,2;E$: AT 8,10;E$:
AT 8,18;E$
130 PRINT AT 10,6;E$: AT 10,14;E
$: AT 10,22;E$
140 PRINT AT 12,2;E$: AT 12,10;E
$: AT 12,18;E$
150 PRINT AT 14,6;E$: AT 14,14;E
$: AT 14,22;E$
160 PRINT AT 16,10;E$: AT 16,22;
E$: AT 16,18;E$
161 LET Z=2: LET Z2=7: RETURN
170 LET A$="I": LET B$="V": LET
C$="W": LET D$="A": PRINT AT P1
X1,P1Y1: INK Z:A$: AT P1X2,P1Y2:A
$: AT P1X3,P1Y3:A$: AT P1X1-1,P1Y1
:B$: AT P1X2-1,P1Y2:B$: AT P1X3-1,
P1Y3:B$
171 PRINT AT P2X1,P2Y1: INK Z2;
C$: AT P2X2,P2Y2:C$: AT P2X3,P2Y3;
C$: AT P2X1-1,P2Y1:D$: AT P2X2-1,P
2Y2:D$: AT P2X3-1,P2Y3:D$
172 IF B=1 THEN GO SUB 4000: LE
T B=0
173 RETURN
200 IF PEEK 23672<127 THEN LET
P=1: GO TO 210
205 LET P=2
210 PRINT AT 1,24;"PLAYER ";P
220 PRINT AT 2,24;"SELECT ";AT
3,24;" COUNTER";AT 4,24;"
"; AT 5,24;" "
221 PRINT AT 10,24;"USE: ";AT 1
1,24;"6-DOWN";AT 12,24;"7-UP";AT
13,24;"0-CONT."
222 PRINT AT 15,24;"A-ABORT"
225 LET U=1
226 GO SUB 500: IF P=1 THEN PRI
NT OVER 1;AT X,Y: INK 2:A$: AT X-
1,Y:B$
229 IF P=2 THEN PRINT OVER 1;AT
X,Y: INK 7:C$: AT X-1,Y:D$
238 IF INKEY$="6" THEN BEEP .00
5,30: GO SUB 170: LET U=U+1
239 IF INKEY$="A" THEN GO SUB 2
000
240 IF INKEY$="7" THEN BEEP .00
5,30: GO SUB 170: LET U=U-1
242 IF P=1 AND U=1 AND P1Y1=22
THEN LET U=2: GO SUB 170: GO TO
228
243 IF P=1 AND U=2 AND P1Y2=22

```

```

THEN LET U=3: GO SUB 170: GO TO
228
244 IF P=1 AND U=3 AND P1Y3=22
THEN LET U=1: GO SUB 170: GO TO
228
245 IF P1Y3=22 AND P1Y2=22 AND
P1Y1=22 THEN LET UIN=1: GO SUB 1
000
246 IF P=2 AND U=1 AND P2Y1=22
THEN LET U=2: GO SUB 170: GO TO
228
247 IF P=2 AND U=2 AND P2Y2=22
THEN LET U=3: GO SUB 170: GO TO
228
248 IF P=2 AND U=3 AND P2Y3=22
THEN LET U=1: GO SUB 170: GO TO
228
249 IF P2Y3=22 AND P2Y2=22 AND
P2Y1=22 THEN LET UIN=2: GO SUB 1
000
250 IF U=0 THEN LET U=3
251 IF U=4 THEN LET U=1
252 IF INKEY$="0" THEN BEEP .00
5,0: GO TO 400
255 GO SUB 500: GO TO 228
400 GO SUB 500
404 IF P=2 THEN GO TO 450
410 IF X=8 AND Y=2 THEN GO SUB
3000: GO SUB 5000: LET P1X1=10:
LET P1Y1=6: GO SUB 500: GO SUB 5
020: GO TO 600
411 IF X=6 AND Y=6 THEN GO SUB
3000: GO SUB 5000: LET P1X2=10:
LET P1Y2=6: GO SUB 500: GO SUB 5
020: GO TO 600
412 IF X=4 AND Y=10 THEN GO SUB
3000: GO SUB 5000: LET P1X3=10:
LET P1Y3=6: GO SUB 500: GO SUB
5020: GO TO 600.
435 GO TO 600: GO SUB 170: GO T
O 750
450 IF X=12 AND Y=2 THEN GO SUB
3000: GO SUB 5010: LET P2X1=10:
LET P2Y1=6: GO SUB 500: GO SUB
5030: GO TO 600
451 IF X=14 AND Y=6 THEN GO SUB
3000: GO SUB 5010: LET P2X2=10:
LET P2Y2=6: GO SUB 500: GO SUB

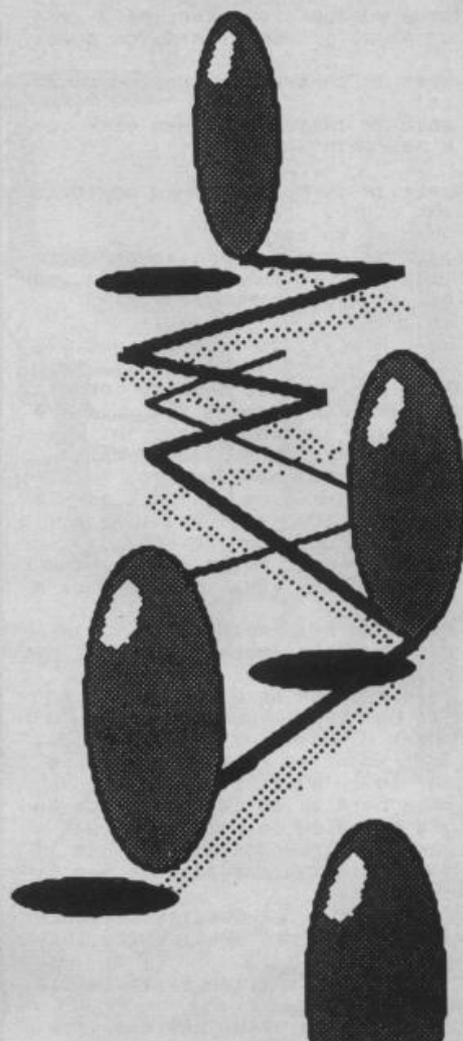
```



```

5030: GO TO 600
452 IF X=16 AND Y=10 THEN GO SU
B 3000: GO SUB 5010: LET P2X3=10
: LET P2Y3=6: GO SUB 500: GO SUB
5030: GO TO 600
480 GO TO 600: GO SUB 170: GO T
O 750
500 IF P=2 THEN GO SUB 550: RET
URN
510 IF U=1 THEN LET X=P1X1: LET
Y=P1Y1
520 IF U=2 THEN LET X=P1X2: LET
Y=P1Y2
530 IF U=3 THEN LET X=P1X3: LET
Y=P1Y3
540 RETURN
550 IF U=1 THEN LET X=P2X1: LET
Y=P2Y1
560 IF U=2 THEN LET X=P2X2: LET
Y=P2Y2
570 IF U=3 THEN LET X=P2X3: LET
Y=P2Y3
580 RETURN
600 LET L=0: PRINT AT 2,24;"SEL
ECT: ";AT 3,24;"UP ";AT 4,2
4;"MISS GO";AT 5,24;"DOWN ";
LET UD=2
605 GO SUB 170
610 IF P=1 THEN PRINT OVER 1;AT
X,Y; INK 2;A$;AT X-1,Y;B$
612 IF P=2 THEN PRINT OVER 1;AT
X,Y; INK 7;C$;AT X-1,Y;D$
619 IF UD=1 THEN PRINT AT X-1,Y
+4; INK 3;"$";AT X,Y+4;" "
620 IF UD=2 THEN PRINT AT X,Y+4
; INK 1;"X";AT X-1,Y+4;" ": IF L
=3 THEN PRINT AT X+1,Y+4;" "
630 IF UD=3 THEN PRINT AT X+1,Y
+4; INK 3;"$";AT X,Y+4;" "
631 LET L=L+UD
640 IF INKEY$="7" AND UD<>1 THE
N BEEP .005,30: LET UD=UD-1
645 IF INKEY$="R" THEN GO SUB 2
000
650 IF INKEY$="6" AND UD<>3 THE
N BEEP .005,30: LET UD=UD+1
651 IF UD=1 AND ATTR (X-2,Y+4)<
>40 THEN LET UD=2: GO TO 610
652 IF UD=3 AND ATTR (X+2,Y+4)<
>40 THEN LET UD=2: GO TO 610
653 IF UD=2 AND ATTR (X-2,Y+4)=
40 OR UD=2 AND ATTR (X+2,Y+4)=40
THEN GO TO 610
660 IF INKEY$="0" THEN BEEP .00
5,0: GO TO 700
690 GO TO 610
700 PRINT AT X-1,Y+4;" ";AT X,Y
+4;" "
701 GO SUB 170
702 IF UD=2 AND P=1 THEN LET P=
2: GO TO 210
710 IF UD=2 AND P=2 THEN LET P=
1: GO TO 210
711 LET B=1
720 IF UD=1 AND P=1 THEN GO SUB
5000: LET X=X-2: LET Y=Y+4
721 IF UD=1 AND P=2 THEN GO SUB
5010: LET X=X-2: LET Y=Y+4
728 IF UD=3 AND P=1 THEN GO SUB
5000: LET X=X+2: LET Y=Y+4
729 IF UD=3 AND P=2 THEN GO SUB
5010: LET X=X+2: LET Y=Y+4
730 IF P=2 THEN GO TO 735
731 IF U=1 THEN LET P1X1=X: LET
P1Y1=Y: GO SUB 5020
732 IF U=2 THEN LET P1X2=X: LET
P1Y2=Y: GO SUB 5020
733 IF U=3 THEN LET P1X3=X: LET
P1Y3=Y: GO SUB 5020
734 GO TO 740
735 IF U=1 THEN LET P2X1=X: LET
P2Y1=Y: GO SUB 5030
736 IF U=2 THEN LET P2X2=X: LET
P2Y2=Y: GO SUB 5030
737 IF U=3 THEN LET P2X3=X: LET
P2Y3=Y: GO SUB 5030
740 GO SUB 170
750 IF P=1 THEN LET P=2: GO TO
210
760 IF P=2 THEN LET P=1: GO TO
210
800 DATA 9,9,7,7,6,7,7,6,6,7,7,
6,6,4,4,4,4,4

```



```

805 DATA 6,6,4,6,6,4,4,6,6,4,4,
2,2,2,2,6,4,4,2,4,4,2,4
810 DATA 4,2,2,1,1,1,1,4,2,2,1,
2,2,1,1,2,2,4,4,6
815 DATA 6,6,6,6,6,6,6,6,6,6,6,
9,9,11,11,9,11,11,9,9,11
820 DATA 11,9,9,9,9,9,9,9,11,11
,9,11,11,9,11,11,9,9,9,9,9,9
825 DATA 6,6,9,11,11,11,14,14,1
6,16,14,11,11,9,9,11,11,11,11,
11,11,11,11,11
875 RESTORE 800
880 FOR R=1 TO 131
885 READ E
890 FOR H=1 TO 4: BEEP .004,E:
NEXT H
891 IF INKEY$<>" " THEN RETURN
900 NEXT R
901 IF INKEY$="" THEN GO TO 901
905 RETURN
1000 GO SUB 170: PRINT AT 1,24;"
PLAYER ";UIN;AT 2,24;"HAS WON!";
AT 3,24;" "
1001 RESTORE 1005: FOR N=1 TO 20
: READ A: BEEP .04,A: NEXT N
1005 DATA 11,9,7,9,7,5,4,5,4,2,4
,2,0,2,4,5,7,9,11,0
1010 PRINT AT 20,1;"ANOTHER"GAME
?
1020 IF INKEY$<>" " THEN GO TO 10
20
1030 IF INKEY$="N" THEN BEEP .05
,0: STOP
1040 IF INKEY$="Y" THEN BEEP .00
5,30: PRINT AT 21,0;"
": GO TO 1060
1050 GO TO 1030
1060 PLOT 0,0: DRAW 187,0: DRAW
0,175: DRAW -187,0: DRAW 0,-175
1061 LET Z=0: LET Z2=0: GO SUB 1
70
1085 FOR G=0 TO 255: RANDOMIZE U
SR 50220
1087 IF INKEY$<>" " THEN GO TO 10
890
1090 NEXT G: GO TO 10

```



# EAST



THE REMAINING SCROLLS  
ARE TO BE FOUND IN  
ANOTHER PART OF THE LAND...

(BUT YOU MUST FIND THEM YOURSELF, GRASSHOPPER)

# WEST



START

- SHRINE
- SCROLL
- EAST/WEST LINK

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**The Edge/£7.95**

**Marcus** You know, you're jinxed. I mean, every officer on a Star Class Liner has to take one jaunt out on a reccy in his five years' service, and nowt's gone wrong before. But when you shoot off in your Shadow Skimmer for a quick loop-de-loop through deep space, the computer goes haywire and sets off the automated defence system. When you try to fly back in for your tea and biccies, things start firing at you. And no-one's got through that defence system yet. You're on your own...

Oh well, can't be helped.

So, on a one-way ticket to certain doom, you've got all three hull sectors to get through and not much time to do it in. On every level there's some bit of hardware you've got to discomknockerate (*Do what? Ed*) before you can move on. The sleeve notes are in fact intentionally vague — part of the fun in playing *Shadow Skimmer* is working out *how* to play it. So I don't want to give too much of the play away (I always preferred

*Play School* myself). Let's just say that you should investigate the hatchways at every opportunity.

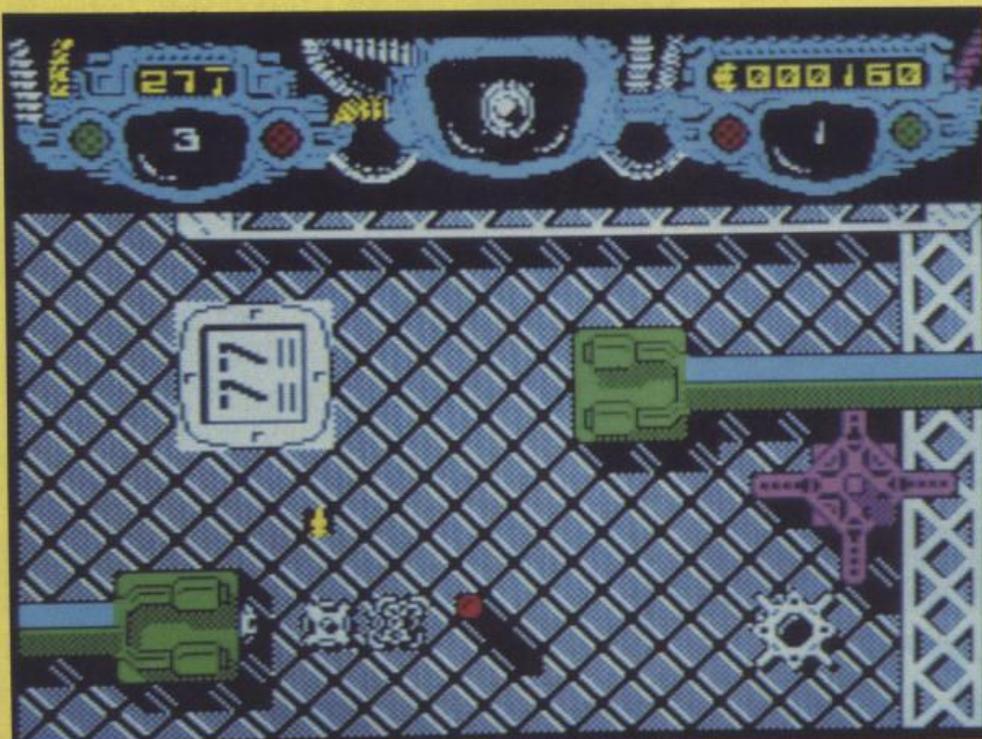
Time is the crucial commodity in this game. Whenever you're hit you lose a bit more of it, and though there are points to be had from shooting everything that moves, you can't really afford to hang around. It's more important to avoid being hit, even though it won't necessarily impress the high score table. Your craft moves quickly, and the illusion of skimming across the ship's surface is very convincing, rather like sliding over ice but with more control.

So where does *Shadow Skimmer* fit into the grand scheme of things? It's hard to say. Although the graphics are *Uridium* with knobs on, it's much easier to get through most of the screens 'cos more often than not, there's not a lot firing at you. Still the brilliance of the screen display doesn't sabotage the gameplay at all. The Edge has approached the old problem in an interesting

new way — by not making the game screen-heavy and just concentrating on keeping it tight and difficult. So there aren't 472 different levels to explore, just three, but to get through all three before your time runs out is a fair old challenge. One thing your Skimmer can do is flip over *Uridium*-style. This lets it go under certain barriers, while making it more vulnerable to attack. But which barriers? And are there lots of 'em?

*Shadow Skimmer's* another winner from The Edge, even if it does skim the surface in more ways than one. Once you've finally managed to get through it, you're unlikely to come back for more, and I suspect that the real nutters will complete it quickly. But for plodders like me, it's a good thoughtful game which needs a bit of brainwork along with the usual lightning reactions. There's no shadow of a doubt!

Graphics	8
Playability	8
Value for Money	8
Addictiveness	8



# SHADOW SKIMMER

# SCREEN SHOTS

## PART TWO

### Son Of Screenshots

The second part of your favourite long-running serial — no, not *Dysentery* — *YS Screenshots!* Thrill to the screens, gasp over the colours — you know you're reading the best reviews around!

**Players/£1.99**

**Marcus** Okay, so there have been one or two fruit machine games on the Speccy. Eight billion, in fact. Surely no new game can add anything new to this well-worn genre? But *Dizzy Dice* ain't no lemon — in fact it's a peach. Though it wouldn't win any prizes for style or originality, it really hits the jackpot on playability.

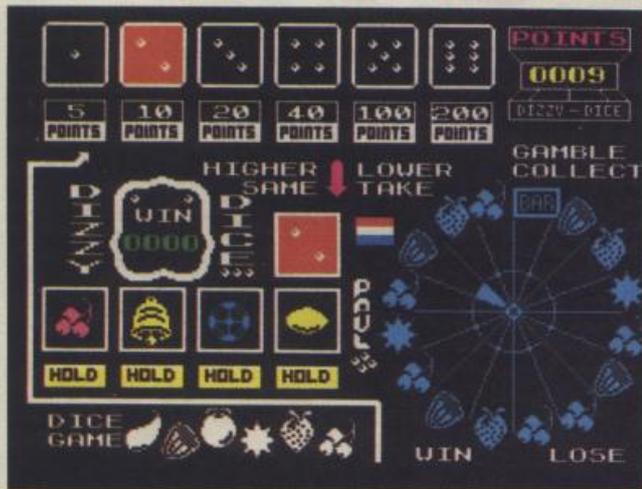
You start with ten points, using up one for every game. As the fruit, bells, wheels and BAR signs rotate through the four windows, you can win from 2 to 200 points. You can usually hold the symbols about half the time — though never after a win, where you simply gamble or collect. This feature is rather more complicated than on real machines. You can choose one of five symbols, each of which pays out a different amount. Then the wheel spins, and if your symbol is picked out, you win some more points. It's much more of a gamble than on the real thing, so this is recommended only for small wins. Fortunately two or four point wins spin along fairly regularly, so you can gamble on these while binging the big wins in the bank.

If you're not on a winning streak, you'll find certain

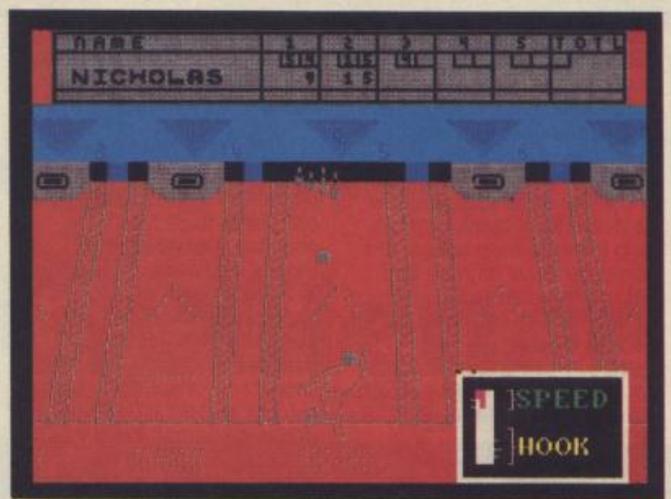
symbols lighting up at the bottom of the screen as they appear in the windows. They'll only light up in a pre-set order, but when you have all six, lights start flashing and you can play the Dice Game. Now the fun really starts. This is a sort of *Play Your Cards Right* with an ordinary die (or the computer equivalent). The Speccy chooses a random number between 1 and 6, and it's your job to guess whether the next throw will be higher, lower or the same. If you bet correctly, you double the points at stake, up to a maximum 200. If not, you lose your stake. Alternatively you can cop out at any point and take the money. You'll bet, though, won't you? Yeah, course you will.

It's not exactly the most ambitious game I've ever seen, but that didn't stop me from battering away at it when I should've been doing something else (*We noticed! Ed*). I doubt it's got real staying power, but even so *Dizzy Dice* is a really fruity number at the price. And it's got to be the best one-armed bandit game around, BAR none! (*Groan. Ed*).

Graphics Playability Value for Money Addictiveness



# DIZZY DICE



# 10th FRAME

**US Gold/£8.99**

**Rick** A-ha! (*Take On Me, eh? Ed*). I was nearly fooled by this one. But I soon sussed that *10th Frame* is neither a snooker game or a tomato growing simulation. In fact it's a worthy if not wow ten pin bowling lookalike.

You're given the option of Open or League bowling. The latter allows up to five teams of four players to play three games, all of which are statistically presented with an exact replica of a bowling scoresheet. Most people, though, will go for the Open Bowling allowing five games between up to eight individuals.

The screen splits between your score card and a representation of several alleys, though you can only use the middle one. You have lateral control of your bowler to give you some sort of aim. Most importantly you must learn how much pace and swerve (or hook) to put on the ball.

This is the real skill behind the game and you'll need a rapid touch on the fire button as the two guides to optimum hook and pace (one ascending, one descending) slide swiftly across the screen. You'll have to get to grips with this aiming caper if you're to get a strike or pick up on the spares. The diagrams of the various shots to practise so that you can cope with splits (when your pins are a long way apart) are very useful.

There are three levels of difficulty starting at kiddies, though this one's a waste of time as most people including the 'kiddies' will quickly graduate to the professional level.

*10th Frame* requires a lot of skill and is a pretty good simulation, though I found it frustrating waiting for the pins to be reset after each game. It's a shame really that the packaging looks so dull and dated 'cos there's a really good game in there trying to get out!

Graphics Playability Value for Money Addictiveness

# BUTCH HARD GUY

**Advance/£7.95**

**Rachael** I did try to warn the Ed that if she gave this to me, I wouldn't be answerable for my puns. But she just shot me a withering look and told me I'd got a dirty mind. So here goes...

If there's one thing I like more than Butch Hard Guy it's a... (*Don't even start! Ed*). There's been a lot of wall to wall muscle in games recently — *Rambo, Cobra...* and that's just between their ears! Still, I don't like a man with many muscles.

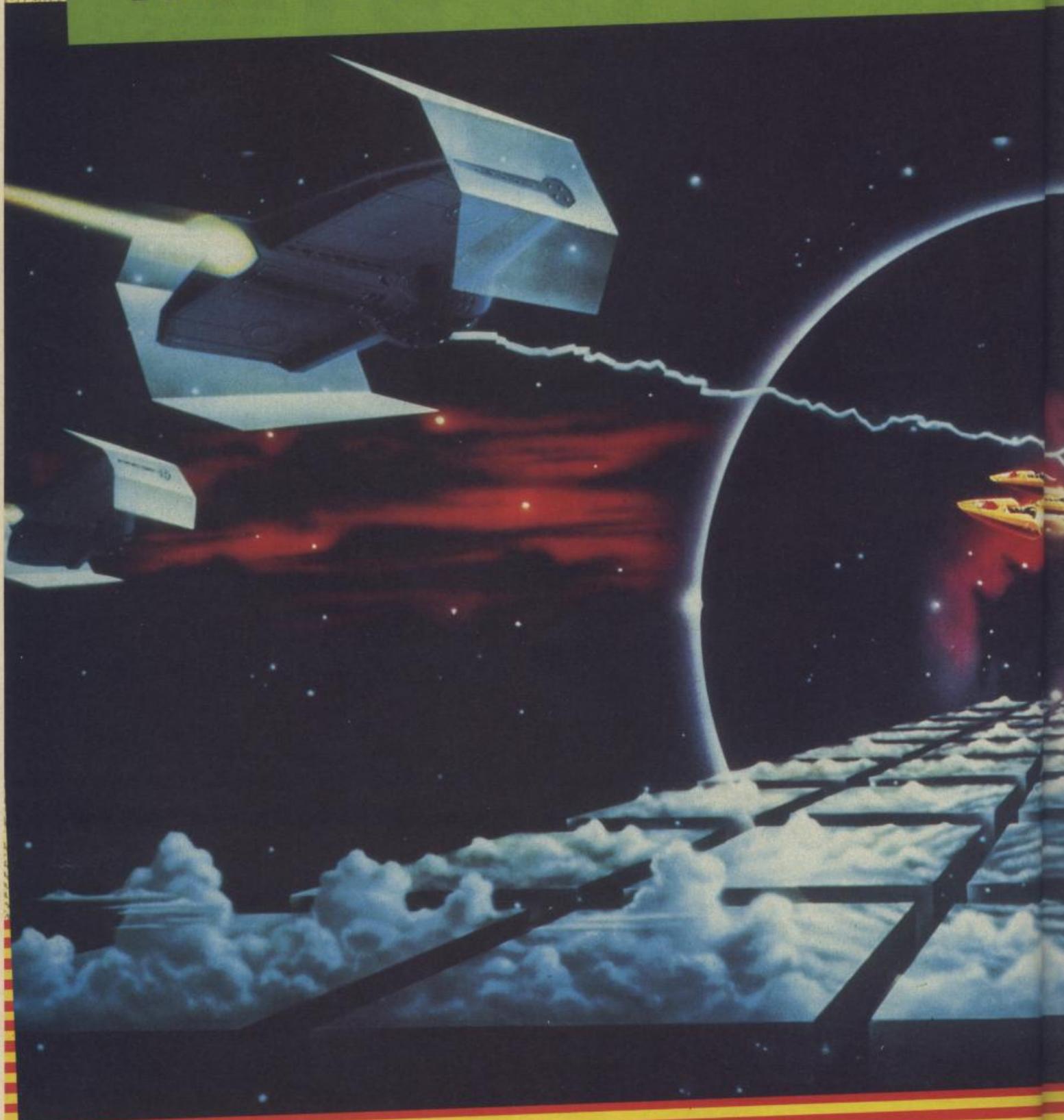
Yes, when they made Stallone, they threw away the mould. Unluckily it bounced, got bent around a bit, and out of it sprung Butch, the sort of bodybuilder who fights the flab with a machete. His mission: to rescue trapped POWs.

However, when your opponent's the dastardly Dr Tie Fu, life's a bed of roses — full of pr... thorns. (*Was that another one? Ed*). These take the form of deadly but dumb robots, who're coated with



# Star Raiders

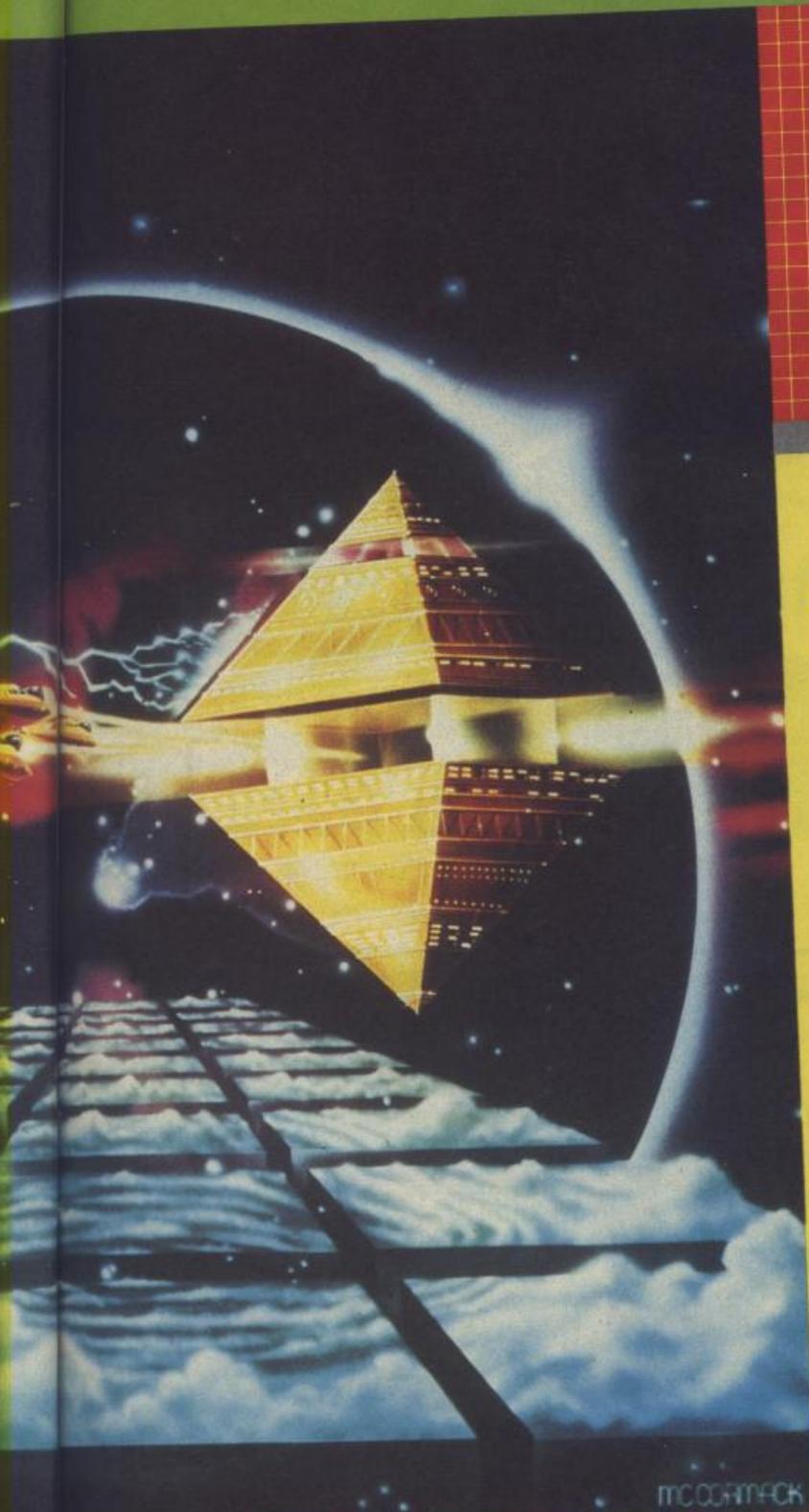
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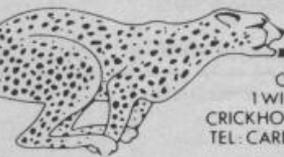
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# Too Busy Earning a Living To Make Any Real Money?

You think you've got problems?

Well, I remember when a bank turned me down for a \$200 loan. Now I lend money to the bank - Certificates of Deposit at \$100,000 a crack.

I remember the day a car dealer got a little nervous because I was a couple of months behind in my payments - and repossessed my car. Now I own a Rolls Royce. I paid \$43,000 for it - cash.

I remember the day my wife phoned me, crying, because the landlord had shown up at the house, demanding his rent - and we didn't have the money to pay it.

Now we own five homes. Two are on the oceanfront in California (I use one as my office). One is a lakefront "cabin" in Washington (that's where we spend the whole summer - loafing, fishing, swimming, and sailing). One is a condominium on a sunny beach in Mexico. And one is snuggled right on the best beach of the best island in Hawaii - Maui.

Right now I could sell all this property, pay off the mortgages - and - without touching any of my other investments - walk away with over \$750,000 in cash. But I don't want to sell, because I don't think of my homes as "investments." I've got other real estate - and stocks, bonds, and cash in the bank - for that.

I remember when I lost my job. Because I was head over heels in debt, my lawyer told me the only thing I could do was declare bankruptcy. He was wrong. I paid off every dime.

Now, I have a million dollar line of credit; but I still don't have a job. Instead, I get up every weekday morning and decide whether I want to go to work or not. Sometimes I do - for 5 or 6 hours. But about half the time, I decide to read, go for a walk, sail my boat, swim, or ride my bike.

I know what it's like to be broke. And I know what it's like to have everything you want. And I know that you - like me - can decide which one it's going to be. It's really as easy as that. That's why I call it "The Lazy Man's Way to Riches."

So I'm going to ask you to send me

## PROOF!

Don't take my word for it. These are excerpts from articles in newspapers and magazines:

### Time:

He only works half the year in his stunning office on California's Sunset Beach, and even when he's there he puts in short hours... In other words, Joe Karbo, 48, is the prototype for... "The Lazy Man's Way to Riches."

### Boston Herald-American:

The book has drawn hundreds of letters from persons who have profited by it...

### Los Angeles Herald-Examiner:

An unpretentious millionaire, Joe Karbo of Huntington Harbor is a vibrant, living testimonial to his intellectual, pragmatic conviction.

### Money Making Opportunities:

Maybe Joe Karbo has the secret. Don't you think you owe it to yourself to find out what it is all about?... I just finished it - and I'm off on a vacation myself. Get the idea?

something I don't need: money. £10 to be exact. Why? Because I want you to pay attention. And I figure that if you've got £10 invested, you'll look over what I send you and decide whether to send it back... or keep it. And I don't want you to keep it unless you agree that it's worth at least a hundred times what you invested.

Is the material "worth" £10? No - if you think of it as paper and ink. But that's not what I'm selling. What I am selling is information. More information than I give when I'm paid \$1000 as a guest speaker. More information than I give in a one-hour consultation for \$300.

But you're really not risking anything. Because I won't cash your cheque or money order for 31 days after I've sent you my material. That's the deal. Return it in 31 days - and I'll send back your cheque or postal order - uncashed.

How do you know I'll do it? Well, if you really want to be on the safe side, postdate your cheque for a month from today - plus 2 additional weeks. That'll give you plenty of time to receive it, look it over, try it out.

I know what your thinking: "He got rich telling people how to get rich." The truth is - and this is very important - the year before I shared "The Lazy Man's Way to Riches," my income was \$216,646. And what I'll send you tells just how I made that kind of money... working a few hours a day... about 8 months out of the year.

It doesn't require "education." I'm a high school graduate.

It doesn't require "capital." Remember I was up to my neck in debt when I started.

It doesn't require "luck." I've had more than my share. But I'm not promising you that you'll make as much money as I have. And you may do better. I personally know one man who used these principles, worked hard, and made 11 million dollars in 8 years. But money isn't everything.

It doesn't require "talent." Just enough brains to know what to look for. And I'll tell you that.

It doesn't require "youth." One woman I worked with is over 70. She's travelled the world over, making all the money she needs, doing only what I taught her.

It doesn't require "experience." A widow in Chicago has been averaging \$25,000 a year for the past 5 years, using my methods.

What does it require? Belief. Enough to take a chance. Enough to absorb what I'll send you. Enough to put the principles into action. If you do just that - nothing more, nothing less - the results will be hard to believe. Remember - I guarantee it.

You don't have to give up your job. But you may soon be making so much money that you'll be able to. Once again - I guarantee it.

I know you're sceptical. Well, here are some comments from other people. (Initials have been used to protect the writer's privacy. The originals are in my files.) I'm sure that, like you, these people didn't believe me either when they clipped the coupon. Guess they figured that, since I wasn't going to deposit their cheques for at least 31 days, they had nothing to lose.

They were right. And here's what they gained:

**'Thanks to your method I'm a half millionaire'**

"Thanks to your method I grossed about \$500,000. Would you believe last year at this time I was a slave working for peanuts?"

G.C., Toronto, Canada.

### '\$24,000 in 45 days'

"...received \$24,000.00 in the mail the last 45 days.

"Thanks again."

Mr. E.G.N., Matewan, W.VA

### 'Made enough to retire at 41'

"If it hadn't happened to me, I wouldn't have believed it... A few years ago, I had nothing to lose. I was unemployed and broke."

"Now, thanks to you and the 'Lazy Man's' program, I have made enough money (at age 41) to retire in style.

R.A., Huntingdon Beach, Calif.

### 'There's no stopping me'

"Since I've got your (Lazy Man's Way to Riches) in July, I've started 4 companies... there's no stopping me and I'm so high I need chains to keep me on the ground."

M.T., Portland, OR

### 'Wow, it does work!'

"Oddly enough, I purchased Lazy Man's Way to Riches some six months ago, or so, read it... and really did nothing about it. Then, about three weeks ago, when I was really getting desperate about my financial situation, I remembered it, re-read it, studied it, and this time, put it to work and WOW, it does work! Doesn't take much time, either... I guess some of us just have to be at a severe point of desperation before we overcome the ultimate laziness, procrastination."

Mr. J.K., Anaheim, CA

### 'Made \$70,000'

"A \$70,000 thanks to you for writing The Lazy Man's Way to Riches. That's how much I've made..."

"I use this extra income for all of the good things in life, exotic vacations, classic automobiles, etc. Soon I hope to make enough to quit my regular job and devote full time to making money the easy way..."

Mr. D.R., Newport Beach, CA

### '\$260,000 in eleven months'

"Two years ago, I mailed you ten dollars in sheer desperation for a better life... One year ago, just out of the blue sky, a man called and offered me a partnership... I grossed over \$260,000 cash business in eleven months. You are a God sent miracle to me."

B.F., Pascagoula, Miss.

### 'Steadily upward ever since'

"I ordered Lazy Man's Way to Riches in June... by September, my career was launched and has gone steadily upward ever since."

Mrs. B.A., Walnut Creek, CA

### '\$7,000 in five days'

"Last Monday I used what I learned on page 83 to make \$7,000. It took me all week to do it, but that's not bad for five day's work."

M.D., Topeka, Kansas

What I'm saying is probably contrary to what you've heard from your friends, your family, your teachers, and maybe everyone else you know.

I can only ask you one question. How many of them are millionaires?

So it's up to you.

A month from today, you can be nothing more than 30 days older - or you can be on your way to getting rich. You decide.

The wisest man I ever knew told me something I never forgot: "Most people are too busy earning a living to make any money."

Don't take as long as I did to find out he was right.

I'll prove it to you, if you'll send in the coupon to my publisher now. I'm not asking you to "believe" me. Just try it. If I'm wrong, all you've lost is a couple of minutes and a postage stamp. But what if I'm right?

Some have called it a Miracle. Some have called it Magic. You'll call it "The Secret of the Ages."

As for me, I thank God that before he died Millionaire Joe Karbo left, for all to share, the secret of "The Lazy Man's Way to Riches." The above story, which is in his own words, is his gift to you.

### Sworn Statement:

"On the basis of my professional relationship as his accountant, I certify that Mr. Karbo's net worth is more than one million dollars."

Stuart A. Cogan

Chartsearch Ltd.,  
11 Blomfield Street,  
London EC2M 7AY

You may be full of beans, but what have I got to lose? Send me the Lazy Man's Way to Riches. But don't deposit my cheque or postal order for at least 31 days after it's in the mail. If I return your material - for any reason - within that time, return my uncashed cheque or postal order to me.

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(If that's how you get your kicks...)**

**H**heeeeeeeeeee-  
yyyyyaaaahhhhh!  
(Thwack! Argh!)  
Take that, you  
fiendish villain...  
and stop squinting at me...  
Thwack... kerpow... splat!  
Oof! And this too... crack,  
splunk... arrggh! Hyah!  
(Crack! Grunt.) There, that's  
sorted him out.

Sorry about that! I had to  
finish off that chappie to  
give myself a minute to talk  
to you about this compo.  
And what a compo it is. 75  
copies of the most sought  
after game in the history of  
Kung-fu, Karate, Ju-jitsu,  
(and many many other  
makes of Japanese motor-  
cycle) - *Fist II*, from  
Melbourne House!

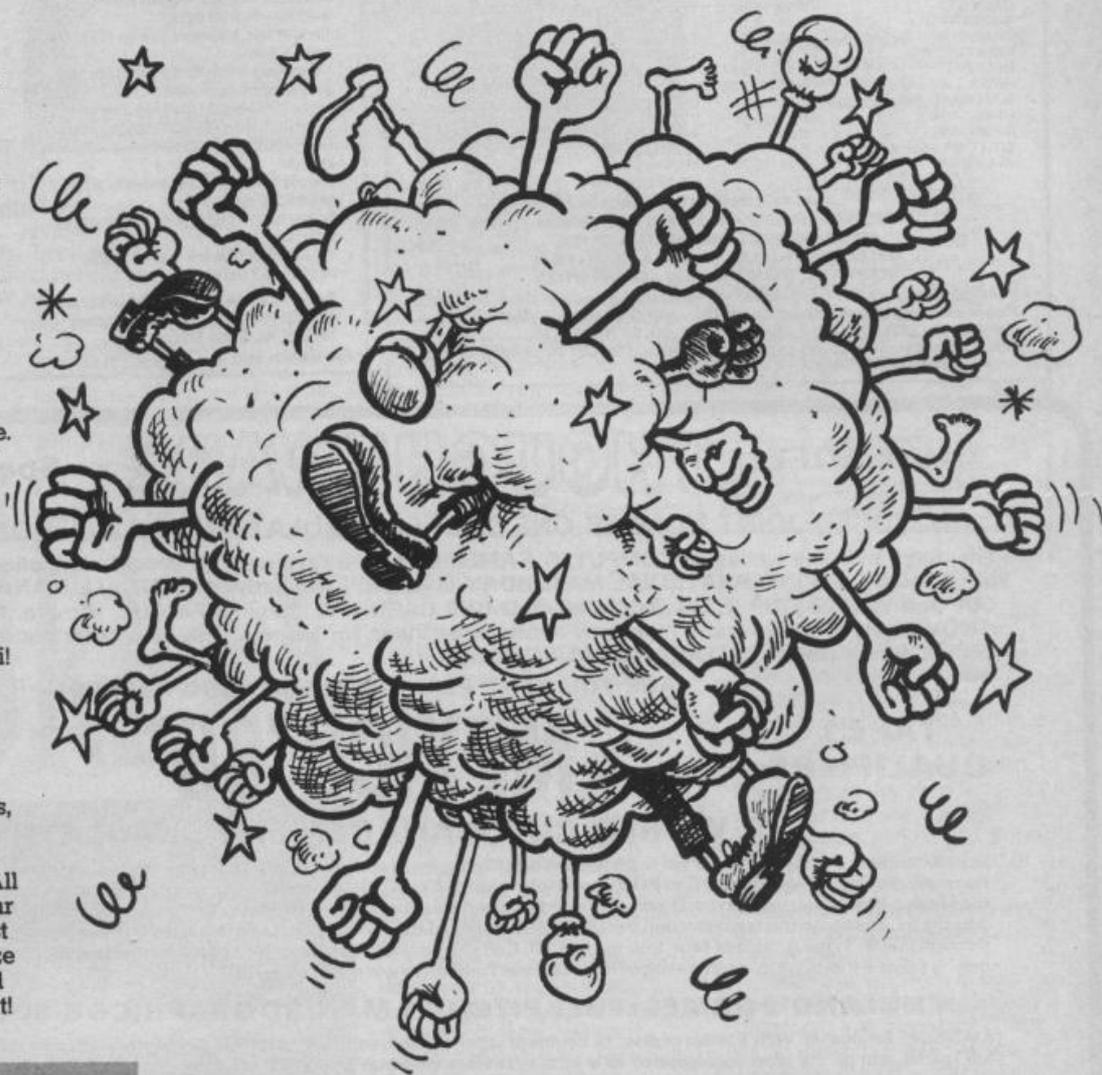
Who am I? Oh, pardon me.  
I'm the bloke from *Way Of  
The Exploding Fist*. And I  
thought I'd be the best  
person to come along and  
sock it to you, this real  
humdinger of a compo I  
mean! Oh no, here comes  
another one. Hang on a  
tick... Hyah! Ooowahh! Shiiii!  
Hhwwaahh! Yah! (Bam!)  
Yah! (Crunch!) Ah! (Splat!)  
Yah! (Splinter. Groan!)  
Phew! I must say I can  
really use this workout.  
Okay, where was I? Oh, yes,  
this really punchy compo.

It's so simple, even  
Grasshopper could do it. All  
you've got to do, using your  
skill and judgement, is cast  
your eyes over the man-size  
punch up on this page and  
count the fists. Yep, that's it!  
Easy innit?

Using your strength rip  
out the coupon (or a photo-  
copy) along the dotted line  
(ah so, without tearing the  
paper, Grasshopper) and if  
you can do so in a straight

line, with no little bits of  
paper fluff, I might just let  
you enter the compo... Oh,  
okay, you can enter even if  
you don't. Send the ripped  
and messy coupon to:

Aieeeeeeeeeee yaaaahhhh  
shhhiiiiii yaaahhh  
hoooooowwww wahhh  
chiiii haaah! Compo, *Your  
Sinclair*, 14 Rathbone Place,  
London W1P 1DE.



**Rules**

All the honourable Sportscene  
dynasty and coolies from the  
honourable Melbourne House  
Chinese laundry are not permitted to  
enter this compo.

Kick your entries off to us before  
April 30th 1987, or else! Hee yahh!  
(Whap!) And hurry up about it!

Oh yes, and no chatting to the Ed  
about this, 'cos she's meditating, and  
she gets very ratty if you disturb her.

Illustration: Nick Davies

I've spotted ..... illustrious honourable fists!

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Sports simulations

ADJUDGED JOINT NUMBER ONE SOCCER SIMULATION FOR ALL HOME COMPUTERS.

The June and July issues of COMPUTER GAMER magazine reviewed 16 soccer simulations, including Ocean's MATCHDAY and INTERNATIONAL MATCHDAY (128K SP), Addictives FOOTBALL MANAGER, Artic's WORLD CUP and WORLD CUP 2, US Gold's WORLD CUP CARNIVAL, Virgin's FA CUP, etc etc. MEXICO '86 was given a NOVA overall rating and 5 "planets" from 5 for Value for Money. Only one other game could equal this, Commodore's classic INTERNATIONAL SOCCER.

ARE YOU STILL PLAYING THE SECOND RATERS?

TAPE 1  
QUALIFIERS

# MEXICO '86\*

TAPE 2  
FINALS

## A WORLD CUP MANAGEMENT SIMULATION

On June 22nd, 1986, England's bid to become World Champions for the next four years came to an end in the Azteca stadium, Mexico City. How well did Bobby Robson do? Can YOU outperform him? MEXICO '86 gives YOU charge of the England team two years before the start of the Mexico finals. You must experiment with a demoralised squad who failed to qualify for the European Nations' Cup, drafting in players as you see fit, and nurse the team through the Qualifying stages of the World Cup. If you qualify, you must choose your squad for Mexico, play through Phase 1, the groups of four, into the last 16. Can you now take England two stages further than Bobby Robson and then win the big one? It takes a thorough understanding of International Football to win in MEXICO '86.

**ENGLAND'S GAMES: FULL PITCH, 22 MAN, 3D GRAPHICS & SOUND EFFECTS**

QUAL-SOFT comments: With 5 levels of play, 12 depths of sophistication, and "fun" graphics, this game can be enjoyed by an 8 year old youngster as a "fun" game, and by the most sophisticated as a tactical/strategy challenge of the highest order.

**PACKAGE:** Tape 1 plus Tape 2 plus 20 Page Manual in Dual Library Case. Only £9.95 (90K RAM usage. Some would call this a MEGAGAME. YES IT WILL RUN ON YOUR 48k and 128k SPECTRUM.

**QUALSOFT GUARANTEE:** Sent by 1ST CLASS POST on the day the order with P.O., Cheque, Access payment is received.

Telephone Access orders accepted.

\* The use of the name MEXICO '86 does not imply any association with FIFA

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Please supply:  
MEXICO '86  
48K/128/+2  
SPECTRUM

Name: .....  
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.....  
Access No. (if applicable) .....



# VULCAN

CCS/£9.95

**Gwyn** CCS has redeemed itself after *Gallipoli*, which was court-martialed for failing to reach the wargame specialist's usual high standards. No silly arcade sequences in this one. RT Smith, who's already brought us *Arnhem* and *Desert Rats*, has produced yet another good, solid simulation.

The Tunisian campaign of 1942/3, from the first dramatic dash to control Tunis by the Allies to the defeat of the Axis armies, presents some classic problems for the Spectrum commander. Many of these are concerned with terrain. Taking to the roads is the quickest way to travel, but leaves your forces vulnerable. If you choose a mountainous route, you can dig in when attacked, but the trek across Africa will take forever!

There's also the question of supply. If an enemy unit interrupts the lines between a unit and its HQ, it will quickly run out of equipment, and soon after, strength! As all units exert a zone of control, through which a line of supply cannot be traced, you have to guard your rear while trying to cut off the Nazis.

The other major landscape-related problem is that in this rough terrain, it's difficult to identify enemy units. In fact, unless you choose otherwise, you won't see any Axis forces until they're right next to you! The only way to avoid this sort of shock is to use your airpower wisely. If you don't actually need them for an attack, sending planes up will give you a reconnaissance report. That way you can be prepared for the ambush that lies ahead.

The control system is elegant, but with one or two minor loose ends. Units are commanded via a cursor and menu, moving over a large, scrolling map. The rough

Run for the hills. Use the Tunisian terrain to your advantage, so you can dig in on a mountain top or attack from behind a river or wadi for attack and defence bonuses.

Just like the Nazis! They've surrounded Tunis with fortified units, and unless you sent up a reconnaissance flight, Jerry's sudden appearance will have taken you by surprise. Good thing you dug in then.

Lovely weather today, but don't go sunbathing. This means that flying is possible but rain and mud can also be used tactically to strengthen your combat aids. This window also displays the date.



All units have an ID, which is important when tracing lines of supply. Independent units can be supplied by any HQ. This box also warns you when more than one unit occupies a space.

Tunis, primary target in the first scenario. But don't neglect the collection of towns and airfields on the way to rake up those victory points, even if you don't take the capital itself.

Here's the main information window showing the menu, or in this case, a report on the current unit. Everything looks good at this stage with high morale and a tick to indicate that it's capable of receiving supplies.

edges appear where some menu prompts aren't quite as helpful as they could be, but a proper reading of the 32 page rule booklet first should answer any problems.

There are the usual one or two player options, plus a save game feature, and the chance to turn a two player battle into a solo venture, with the computer taking either side. This is particularly useful as the estimated playing time for the whole campaign is eight to 16

hours! Don't worry though — there are mini-scenarios which can be played in under an hour and still provide a stiff challenge.

In addition, 128 owners get an expanded *Vulcan* on side two, which includes an optional debriefing report at the end of each turn. This is a useful way of keeping up with how successful your strategies have been. You also have the chance to indulge in the military historian's favourite

pastime — what if... What if the Axis had controlled Malta, for example? This is a chance to put those imponderables to the test.

*Vulcan* is probably not a program for wargame novices, but anybody who enjoys tough tactical problems should find it something to get their teeth into

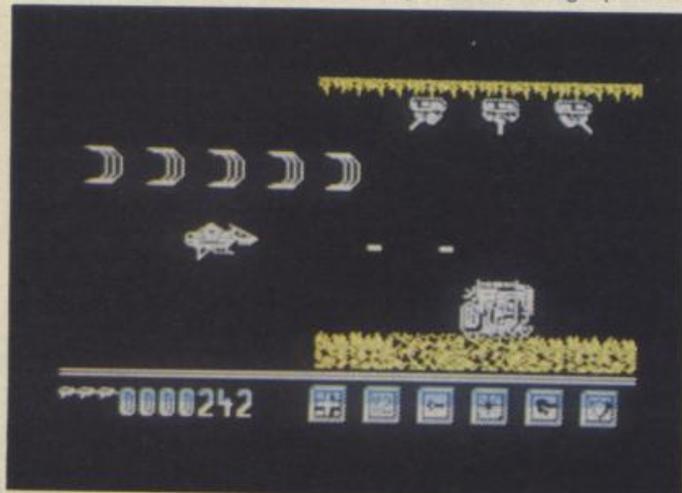
Graphics	□□□□□□□□
Playability	□□□□□□□□
Value for Money	□□□□□□□□
Addictiveness	□□□□□□□□

# TRANSMUTER

Codemasters/£1.99

**Gwyn** It's down the tube again and... hang on, haven't I been here before? Yes, of course I

have, because this is none other than *Scramble* scrambled into a slightly new format and bunged out at a budget price.



Nothing wrong with re-doing this golden oldie though, because while the straight space shoot 'em ups have their attractions, there's nothing like flying through caves as well to get the adrenalin flowing.

The secret of *Scramble* is that you have limited space behind you for deceleration, as the screen scrolls ever onward. In crowded areas you may find you have to zap everything, then position yourself for that narrow gap at the end of the tunnel if you're not going to prang your ship on a stalactite.

*Transmuter* is a bit of a mixed bag though. It begins brilliantly, with music that sounds just like Rob Hubbard's heavy pomp rock. But somehow the game doesn't run quite fast enough to get the real sense of danger that a dedicated scrambler

demands. The graphics are okay-ish — imaginatively drawn, but with some irritating sprite flicker.

That said, *Transmuter* adds a novel feature to its inspiration. You can trade in points for extra features, such as bombs, lasers, more speed and shields. These are selected with a keypress, as they flash below the playing area. But beware because moving, hitting fire and selecting simultaneously isn't just a handful — it sends you back to the start!

Still, *Transmuter* is a reasonably addictive budget blaster with a smidgin of strategy. At this price you shouldn't be disappointed.

Graphics	□□□□□□□□
Playability	□□□□□□□□
Value for Money	□□□□□□□□
Addictiveness	□□□□□□□□

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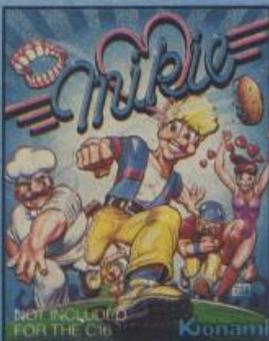
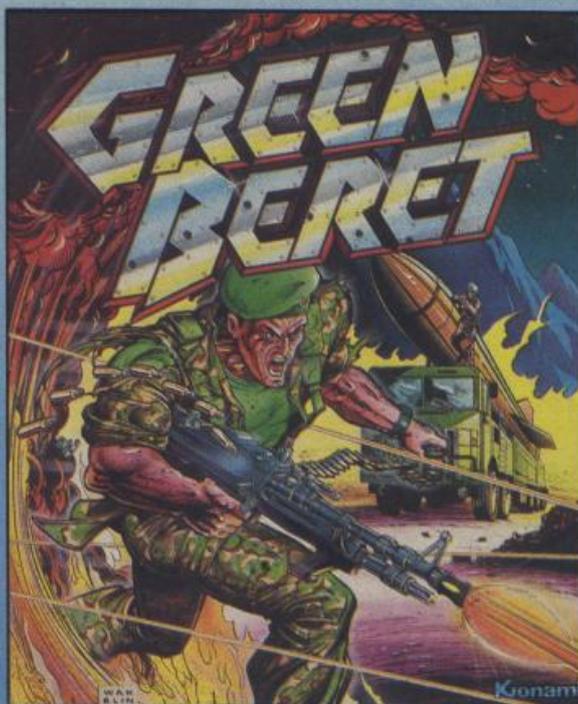
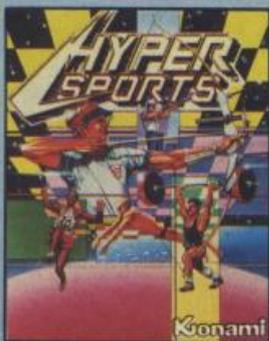
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of the game

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# JACK

## THE NIPPER

CD 2/87



TYPICAL PARENTS! THEY HOLD A PARTY IN MY OWN LIVING ROOM, AND I'M NOT INVITED! WE'LL SOON SEE ABOUT THAT!



THAT SHOULD GET ME INTO THE SPIRIT OF THINGS...



SOON...

YOU KNOW, THIS MIGHT NOT TURN OUT TO BE SUCH A DULL PARTY AFTER ALL...



I TRY NEVER TO DRINK ON AN EMPTY STOMACH. AND BESIDES, I'M ABOUT DUE A FEED...

EEEK!! THERE'S A HAND AMONG THE COCKTAIL SAUSAGES!



OKAY, OKAY. IT'S A FAIR COP. I'LL COME QUIETLY.

WELL I NEVER! JACK, YOU'RE A VERY NAUGHTY BOY! YOU SHOULD BE IN BED, YOU LITTLE DEVIL!



NOW LET THIS BE A LESSON TO YOU!

WACK!!

YOU KNOW, IF I WAS HALF HIS SIZE I'D...



LATER

HOW DO THEY EXPECT ME TO SLEEP WITH THAT RACKET GOING ON?!

MUSIC I DON'T MIND... BUT BARRY MANILOW???



TIME TO PUT PLAN 'B' INTO OPERATION!



TEE HEE HEE!



SHORTLY

JACK! ARE YOU OUT OF BED AGAIN?

GAGA! WAAAAA!!!



THE POOR DEAR. HE JUST WANTED HIS BOTTLE

ISN'T HE A DARLING.

SO SWEET!

GLUG! GLUG!! GLUG!!!



ARRRR!! WHO'S A PRETTY BOY EH? COOCHY COOCHY COOO! GA GA GOO GOO!

G-G-G-GA GA GOOO! C-C-COOCHY COOOO!! HIC!



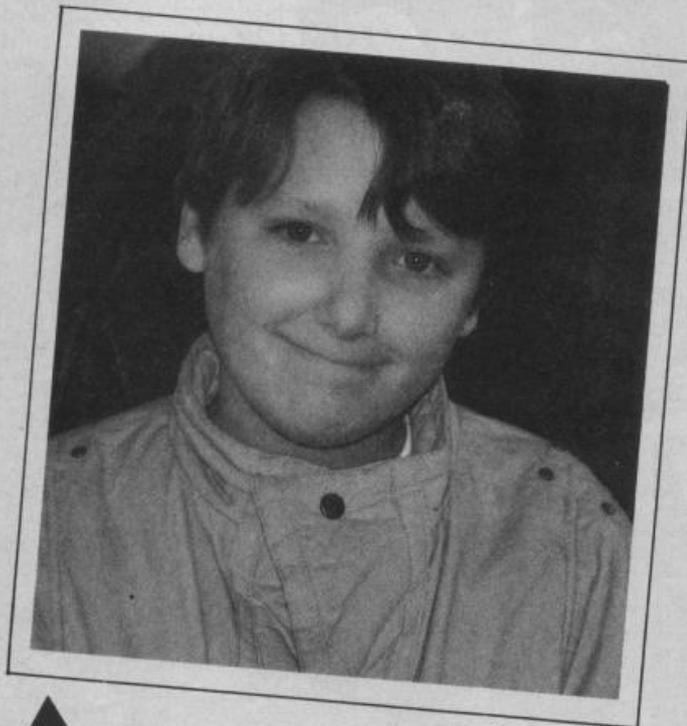
ODD! WE SEEM TO HAVE FINISHED THE WHISKY.

JUST LOOK AT THOSE EYES! WHAT A LOVELY LITTLE CHILD.

# Wax on the

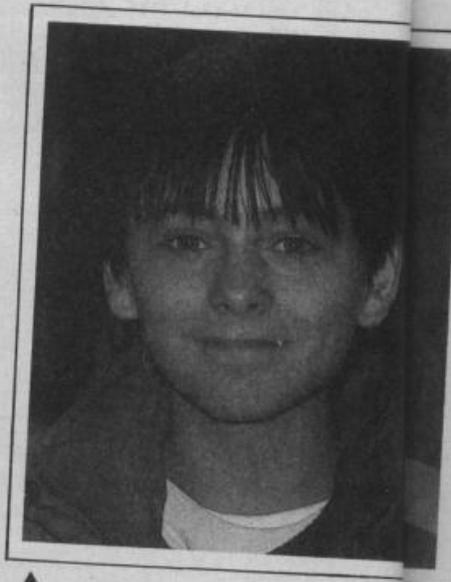
## SCOOP! "Micro Live is boring!" says YS.

Why is telly coverage of computers, especially the Spectrum, so poor? Do producers think that computer games are too frivolous? Is it because they're past it? Has *Saturday Superstore* really got two computers that it can't use on TV? Do you think *Micro Live* is boring? Are there too many questions in this intro? We sent our investigative photographic newshound (woof) and hard nosed reporters out on the streets to find out what's going wrong... well, we asked *Phil South* to mosey on up the road with his camera, anyway...

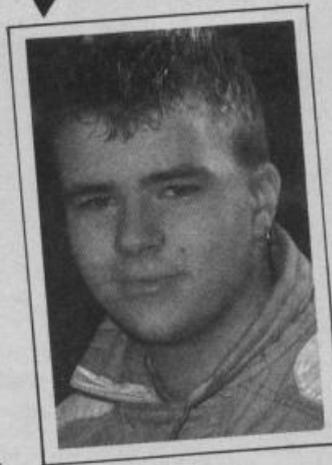


Okie dokiel The first man to stick his nose into my lens was Philip O'Gara, 14½ (Don't forget the half!), from Stevenage, Herts. Okay, let's go! **Fave computer programmes:** *Micro Live*, *First Class*. "I think they're very good. I like anything about computers, especially the way they're presented. I definitely think there should be more computer programmes though!" **Who'd make a bad presenter:** Tom O'Connor. "Especially if it was live!" **What about computers on the radio:** "I keep mine under my bed!" No, seriously. "I don't get a chance. My mum and dad are always listening to Radio 2!" **Have you been on TV:** "No... but I was in the local newspaper once, for doing fund-raising jumble sales for the local hospital". **Fave TV shows:** *Bergerac* (Car, sexy John Nettles! T'zer), *Tomorrow's World* and *EastEnders*.

Hello? Who's this rugged looking chap? Oh, it's John "spell it with two i's this time!" Marriott, 14, from sunny Islington. Okay, what's the hot poop, big yin? **Fave computer programmes:** *First Class*, *Tomorrow's World*. "But they're not all that good and there's not enough of them." **Worst computer programme:** "*Micro Live*" **Have you ever been on TV:** "Er... I was on *Multicoloured Swapshop* once... Oh, and something happened down our road a while back so I was on the news. I stuck my head in shot and waved..." Oh that was you was it? **Fave TV shows:** *Filthy*, *Rich And Catflap*, *EastEnders*. **What would your ideal programme about computers contain:** A lot more general information, and reviews of games. **Who'd make a good presenter:** "Mel" (Hmm.) **Worst presenter:** Terry Wogan.



"Darren Salter, 15, from Leytonstone." Okay, wiseguy, what's your fave TV computer programme: *Micro Live*. "It doesn't cover software, though. I think there should be more programmes on software." **Who'd make a good presenter:** Kenny Everett. **Worst presenter:** Selina Scott. **Do you listen to programmes about computers on local radio:** No. "Can't find 'em on me tranny." **Fave TV show:** *EastEnders*. **What would your ideal programme about computers contain:** Utilities, games and educational stuff. "And latest news on what's happening. There's not enough of that!"



### Radio and TV Times

Have you got square eyes? Well, take your glasses off and stock up on those TV dinners 'cos it's five to five and it's...

**Tomorrow's World** — BBC1 Thursday 8-8.30pm  
General science programme, though it does cover computers.  
**Micro Live** — BBC2 Saturday 6.15-6.45pm  
Covers information technology rather than computers specifically. Uses BBC's to demonstrate techniques.

**Saturday Superstore** — BBC1 Saturday 9-12.15am  
Has an irregular computing spot with games reviews and the top ten.

**Whatever Next** — BBC TV  
Coming soon  
A new series that deals with computers and artificial intelligence.

**The Education Programme** — BBC TV  
Coming soon  
Replaces *Micro Live*, though it's more concerned with computers at work than information technology.

**Inside Information** — Radio 4  
Sunday 4-4.30pm  
General course on information technology, though it finishes soon.

**Global Village** — Radio 4  
Coming soon  
On air in the near future, it'll cover communications and data transfer using computers.  
**Introducing Science Extra — Computers At Work** — Radio 4  
VHF Starting 18th May  
This is one of the schools education programmes. Essentially concerned with information technology and use of computers in society.

**Laycock's Half Hour** — BBC  
Radio London Saturday 10-12 midday

The show's hosted by Malcolm Laycock — he does a computing spot on it each week.

**The Computer Programme** — BBC Radio Sussex Sunday 3.50-4.10pm

Introduced by Derek Lickorish and Martin White, it covers information on general computing.

**Abacus** — BBC Radio Leeds Wednesday 6.45-7.00pm

A short programme introduced by Martin Croft featuring computing in general.

# Box!

## SHOCK! HORROR!

Ah, here's a nice mature gent. Roy Walsh, 40 (Shhh!) comes from Ashford, Middlesex. **What do you watch:** *Micro Live*. "Don't really like it, they tend to generalise too much. Never teach you anything. I'd watch a programme with lots of reviews, though." **Who'd make a good presenter:** Fred Harris. (Funny you should say that, he already is one. Ed.) **Do you listen to programmes about computers on radio:** "Yes, there's one on Radio London that I like. It's on at the weekend." **Fave TV show:** M\*A\*S\*H.



"Can I do one as well?" Who are you? Oh, Philip Dunne: (with an e), 14, from Camden. Okay then! **What computer programmes do you watch:** *Tomorrow's World* "Don't like any of the others! They're all about stupid business computers and nothing about home computers." **Do you think there ought to be more:** Yes. "And better ones." **Do you listen to computer programmes on local radio:** Now and again. "I listened to the one about the PCW show. That was on LBC, wasn't it?" **Do you like Micro Live:** "No, it's useless. All about BBC's, and who's got one of them, eh?" **Fave TV shows:** *Young Ones*, *EastEnders* "...anything really". (Choosy, aren't we?). "I'd like to see a computer programme like a magazine with POKEs, hints and game reviews."



Oi, oi, oi You over there, Mark Shelton. Golly, are you really only 15? And you're from Leytonstone, right? "Yep." **What do you think of the telly programmes, then:** "Micro Live is far, far, far too businessy, and doesn't cover home micros properly. They did mention the Speccy once, though." **Who'd make a good presenter:** Dave Allen. (Huh? Ed.) **Who'd make a bad presenter:** Terry Wogan. **Fave TV show:** *Top Of The Pops!* Yay! Wool! **What would your ideal program about computers contain:** Software reviews, viewers letters. Oh, and tutorials on machine code or languages.

## Beeb ops

Okay, okay. Having let you lot tear their programmes to shredded wheat, we thought it'd be fair to give the producers of the shows an opportunity to fight back. So, live from BBC TV Centre, here's Richard Simpson, Producer of *Saturday Superstore*, and David Allen, Editor of *Micro Live*.



### Micro Master

**David Allen**  
Editor: *Micro Live*

#### Why is *Micro Live* so business oriented?

I don't really think it is. *Micro Live* is actually intended to focus on Information Technology, rather than just business, or home computers, or robotics...but it does touch on them all. In the next few weeks we have a piece on the Red Box, the effect of information technology in the US Senate, some robotics, desk top publishing...a range of things.

#### Why aren't games reviewed and previewed on *Micro Live*?

Well, to be perfectly honest, we tend to think that there's more to life than games. They all tend to be samey.

#### What are the plans for future computer coverage (if any) on the BBC and Radio?

At the end of this run, *Micro Live* will come to a close. We might be doing the usual 'best of' edition, called *Micro File*...but after that, we're still pondering what to do. Computers are a difficult subject to cover, really; forever running the fine line between being incomprehensible and being completely trivial. In the end we've still got to strike a balance somehow, and try to cover things that interest the most people.



### Superman

**Richard Simpson**  
Producer: *Saturday Superstore*

#### Why aren't micros regularly covered on *Superstore*, particularly since a large majority of your viewers will own one.

We do cover computing, but the problem with being a magazine program is that very few items can be covered regularly. Unless we could do a regular slot, we wouldn't feel like we're providing a service, which is what we're here for.

#### Why aren't games reviewed and previewed on *Superstore*?

Mainly, the technical problems which you get when you try to show a computer picture on a live show. You can't guarantee that they'll do what you want them to do in the 15 or 20 seconds you want them to do it.

#### Are there any plans afoot to cover computers in future *Superstores*?

Yes! We're more likely to do types of games and systems, rather than individual games...for instance I've got a Sega Console on my desk at the moment. The problem is how to present it...Well, the first problem is how to get it out of the box! So, yes, we would very much like to put on much more about computers. Because it's what a lot of people are interested in.

I say! Isn't that the famous Bobby Marsh, 15, from Leytonstone, slouching over there by the coffee bar? Hi Bobby! Give us "the Stuff"... "I watch *Micro Live* 'cos they tell me what I want to know". (Are you sure this guy doesn't work for *Micro Live*? Ed.) **Who'd make a good presenter:** Anne Diamond. **Who'd make a bad presenter:** Terry Wogan. **Do you like *Micro Live*:** No. "Rubbish." (Huh? But you just... oh never mind!) **Fave TV shows:** *EastEnders*, any sport.



Okay, Roy Peters, 14, where are you from? "Not Leytonstone." (Thank goodness. Ed.) "Okay I lied, I'm from Leytonstone, really." (Oh flip! Ed.) **Fave programmes on computers:** Only: *Micro Live*. **Is it any good:** NO! "They only cover business." **Who'd make a good presenter:** Rachael Smith. (Wahay!) **Who'd make a bad presenter:** Madonna. I can't stand her! **Do you think there ought to be more:** "Madonna? No. Computer programmes. Yes". **Would you like to be on TV:** "Yeah! I'd like to be in an Iron Maiden video." **Fave TV show:** *World According To Smith And Jones*. **What would your ideal programme about computers contain:** More items for home computer users. Games and hardware reviews and previews.



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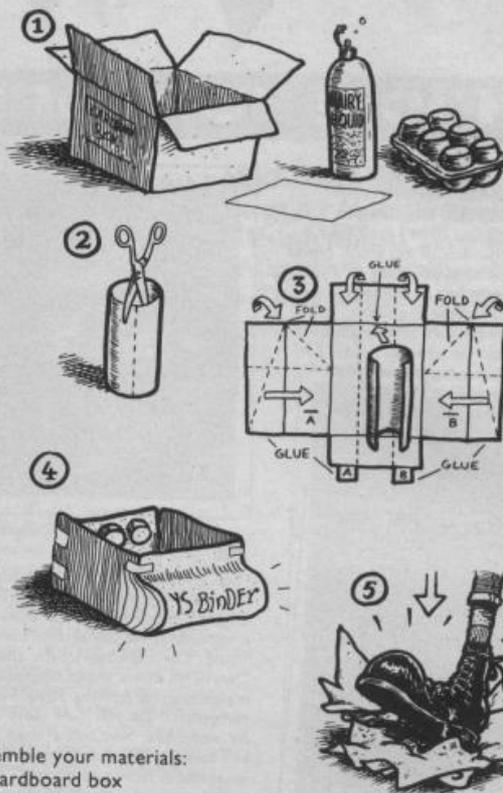
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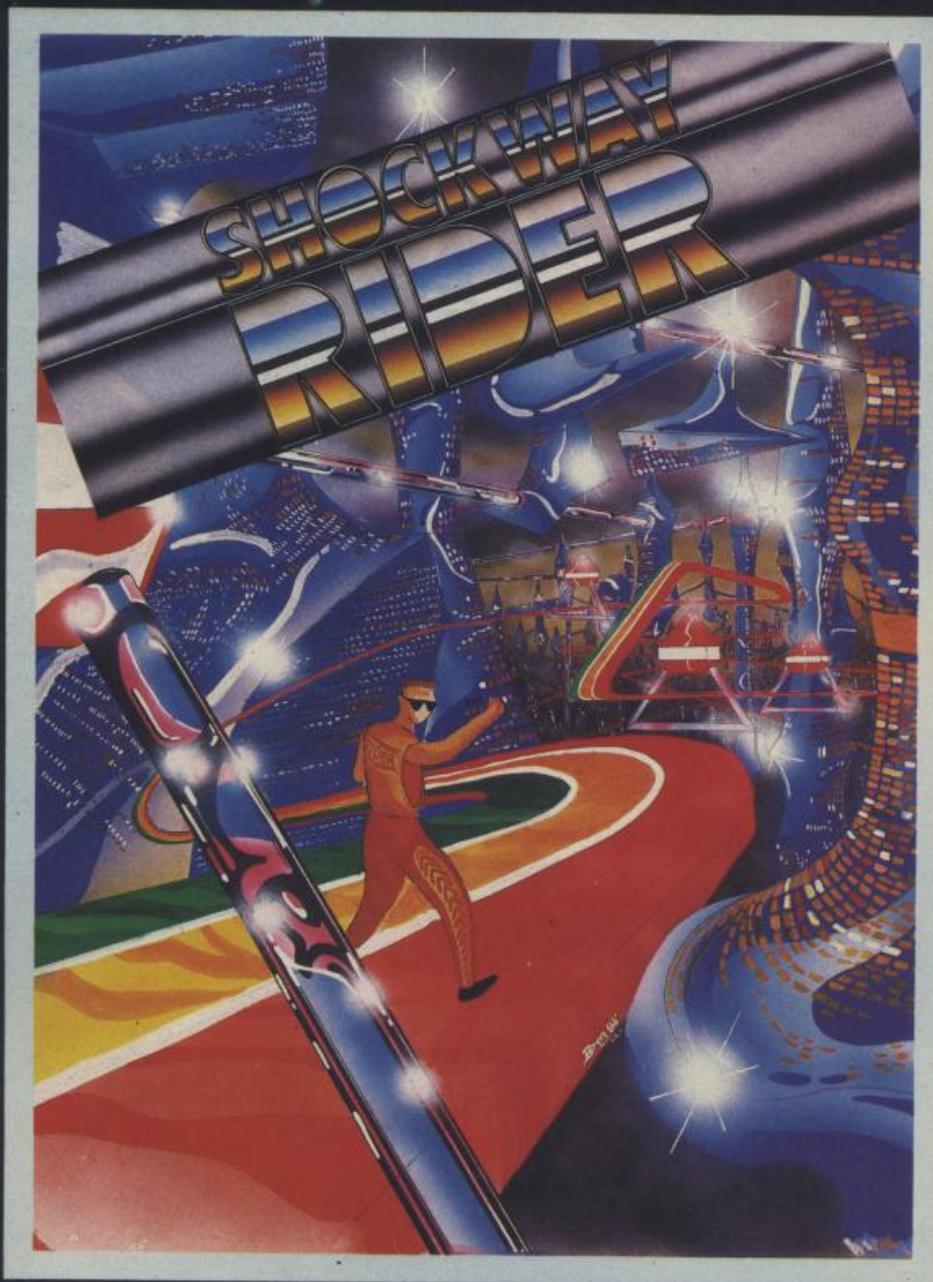
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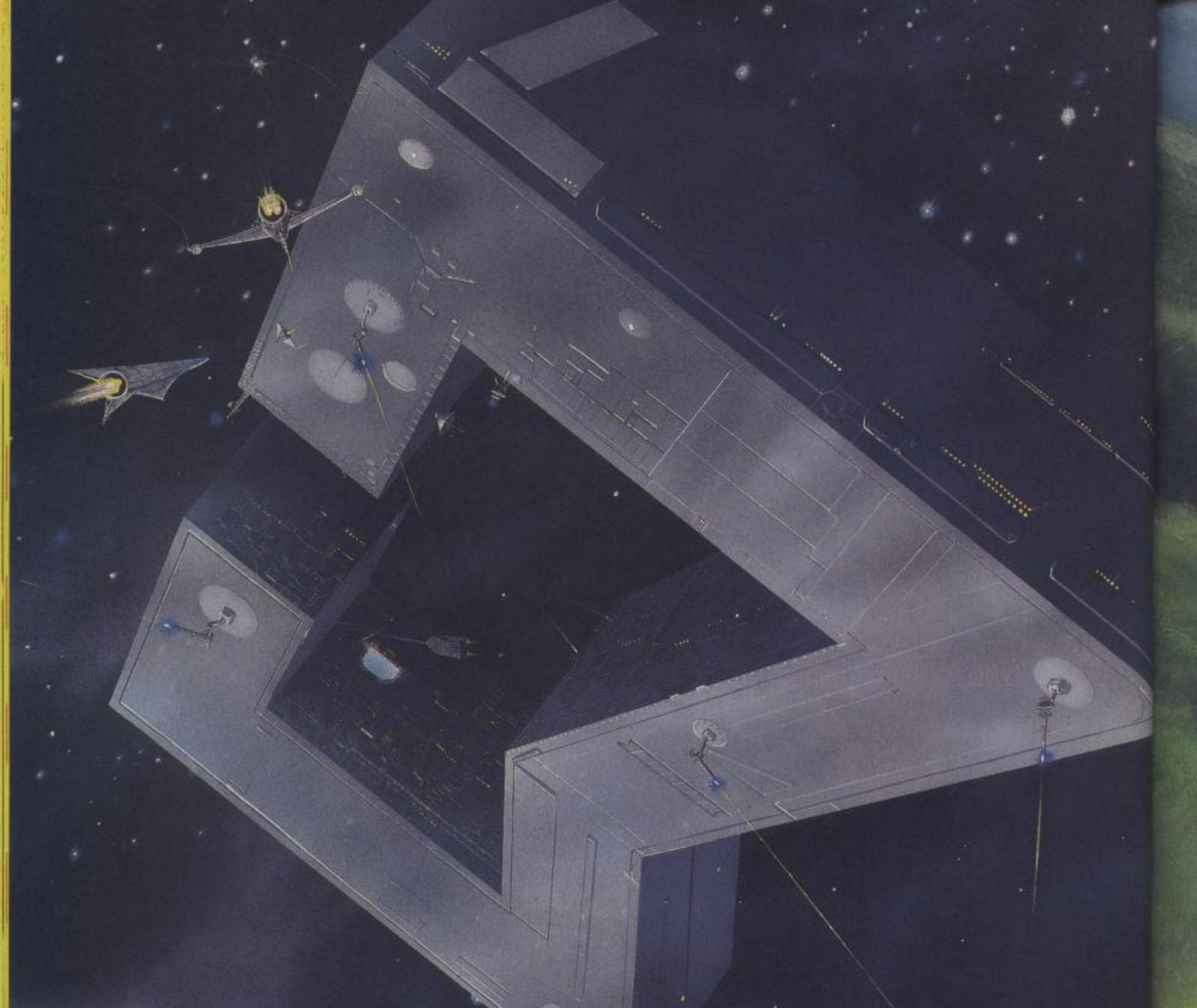


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*software getting harder . . . .*

# DEEP STRIKE



DURELL



# YS ADVENTURES



**J**ames Elliott reckons he's the first to finish *Aftershock*, on Monday, 6th October. Nice try, James, but what are those chuckling sounds I hear from the Rochdale Balrog? Unfortunately for James, his beloved Spectrum has just died of rubber key failure, so he apologises for any slight delay in dealing with adventure queries.

A clue from **Alex Marsh**, who fancies himself as the Billericay Balrog, though no self-respecting Balrog would go on holiday halfway through programming a complex adventure and so forget all the variables and routines. However, Alex says that in *Perseus And Andromeda*, to get the halter onto Pegasus you just RETLAH TIF.

**Wren Bull** asks how to open various doors in *Kentilla*. Well, for the steel door you EUTATS YBRAEN NO SMRA LLUP, for the green and red doors you need YEK EGRAL EHT and for the stone door you ELTTOB NEPO.

The last few names have all been regular writers to *YS Adventures*, but

**Graham Nelson** of Bolton has just sent in his first-ever letter to the magazine as he wanted to share some of the fun to be had from Part Two of *The Boggit*. Try typing in DELTA 4 and you find yourself transported to room 101, home of Delta 4, where you can explore a bit. BOGGIT gets you back again, in total darkness. You can try typing BORED as well. Thanks to **Robert Grieg** who also suggested those inputs.

Also new to the adventure ranks is **David McIntyre** of Sheffield, who recently bought a 128K Spectrum with the intention of playing arcade games, but the inclusion of *The NeverEnding Story* soon put paid to that. We all know the feeling, I'm sure — and thanks for the lengthy letters, David.

**Simon Pugh** of 1 The Lawns, Everton, Nr Sandy, Beds SG19 2LB says he can't take Thorin with him when he escapes from the Elvenking's Cellars in *The Hobbit*. Nor can anyone else, Simon. Leave Thorin behind and pick him up on the way back. Simon also wants to know how to get to Rivendell in *Lord Of The Rings*, and wonders if there's a map available anywhere for that adventure. Any offers?

**David Savage** of Leamington Spa sends a vote of thanks to those who answered his *Lost Souls* plea on *Castle Colditz* — their clues helped him pass his convalescence after 8½ weeks in hospital. Good on yer, YS readers.

**Keith Whitaker** writes from Nottingham to say he's finished *Vera Cruz*, for which they must surely make him the Sheriff of Nottingham. His main comment was that the instructions are lousy! He reminds readers that there's one object in Part One that you must photograph twice in succession to reveal some crucial information.

To show what fame and fortune comes to readers mentioned in these pages, I've just had a letter from the recipient of my first-ever Manuel-of-the-Month award (not awarded this time as no-one was down to the standard required). As a result of that, **Anne Sporne** has had letters from far and wide, including one from a microdrive expert in Milton Keynes and another from a 60-year-old lady in Northampton who also hadn't finished any of her 20-odd games. Anne now admits to having finished at least a couple of titles, but is grateful for her short and glorious reign.

GAC dominates the news this month, and here it is cropping up

again. **David Elliott** of Edinburgh says that while playing around with graphics, he pressed nearly all of the keys at the same time and the cryptic message Jah Brendon appeared. David also complains that GAC won't allow him to access the extra memory of his Spectrum 128, especially with the announcement of Gilsoft's 128K *Professional Adventure Writer* system. Well, I do sympathise, David, but you can hardly blame Incentive for that. The product is advertised as a 48K program, and that's what it is. I'm sure if they produce a 128K version in the future you'll have the chance to upgrade at a reasonable price. As for your chopper problems on *Espionage Island*, don't take off while still wearing the colonel's jacket, and when in the air head E/S/S/S. To start the helicopter: REVEL HSUP. To operate the truck: LADEP SSERP.

**Darren Davies** of Derby wants to know how to go through the broken fence in *The Shreusbury Key*. The key words here are: ELOH HGUORHT. How to get out of the waterfall in *Robin Of Sherwood*? As far as I recall it's the same way you get in: LLAFRETAW OG. And how to reach Nottingham? Hang around at the outlaw camp till a messenger arrives and then WOLLOF YAS and go to Nottingham.

Talking of that game, **Deborah Whitsey** (see *Kind Souls* for address) wants to get hold of a copy and can't find one in the shops. Anyone finished it and want to swop it for something else? Still talking of that game, **Jonathan Lynch** of County Wicklow asks how to find Seward. If Marian's present you should SEHSUB HCRAES south of EGNARG DROFAEL.

A hint from **Matthew Conway** of Lambourn, who's a dab hand with Letraset as well as adventures — to escape the maze in *The Castle* you should YARP DNA RATLA ENOTS OT OG.

**Philip Hendry** of Chelmsford wants help on *The Boggit* — he can't get through the window in the Goblins' Dungeon: TSEW-HTUOS OG, EPOR TEG, EPOR LLUP, EPOR WORHT. How to get out of the Elf King's wine cellar: first you must be wearing the ring, then just DNUORA TIAW till a thirst is quenched, then LERRAB BMILC and TIAW some more. To go through the magic door in the Elf King's Palace, again you must be wearing the ring and then you ROOD ENIMAXE.

Boarding the bus in Zzzz is **Glen Thompson's** problem, the answer to

# RES

which is that you YENOM EVIG/SUB POTS/NGIS TCERE. That's provided you've got everything you need, of course, and if you haven't you'll just have to find it. **Pamela Young** lives in Pinkie Road, in Aberdeen and wants to know how to get out of the swamps of sadness in *The NeverEnding Story*. Not going into them in the first place might help. How to control Falkor? Just ROKLAF EKAT when you have Auryn and Falkor will stay with you. Where to go next? I suspect you need to HTUOS YLF across the desert. Pamela also needs lots of help on *Urban Upstart*, and I've got loads available but you can help me first by telling me the place or places where you're stuck because otherwise I can't do anything but give you a full solution as I've no idea where you've got to.

Coming to the aid of fellow adventurer Peter Erskine is **Doreen Bardon of Lendal Cottage, High Street, Slingsby, York YO6 7AE**. Peter was struggling in John Wilson's Digi'Tape tale, *The Secret Of Little Hodcome*, and threatens to nail the author to the gate because the game was so devious. The thought of this happening upsets Doreen, but only because she's hoping John will write lots more adventures. Some early commands you'll need if you can't make any headway in the first few locations are, in no particular order, SESOR BMILC/MAOL HCTARCS/WODNIW OTNI BMILC/STOP HCRAES/HCNEB NEPO/EGATTOC RETNE/TEPRAC TFIL/KCOLC EVOM. Doreen also has a list of 105 completed adventures so if you're struggling on something then the chances are she can help.

**Sheldon Southworth** writes from Manchester just pleading for a mention in these sacred pages and asks me to stop writing backwards. DENOITNEM FLESROUY REDISNOC.

**Ted Webb** of Portsmouth is a **Kind Soul** on lots of games, but admits to being lost in *Claws Of Despair*, where he wants to know what to say to the Fountain Nymph (BMOT YAS), and what to sing about at the pub (SLAI GNIS). For your questions on *The Colour Of Magic*: YELSNRAB NHOJ OT ETIRW. The solution I've got doesn't seem to answer the specific questions you ask.

And finally, can any **Kind Soul** please put **John Barnsley** out of his misery and let him know whether any adventurer anywhere in the world has ever completed *Beattie Quest*? Despite his million successes, John's still baffled by that one.

# NEWS

## Venture forth with Mike Gerrard

● Incentive must've been having a boozy lunch when it set the price of *The GAC Adventure Writers Handbook* at only £1.25 for 48 pages, including postage. It's only available by mail order, though, so make sure you've got Incentive's new address — Incentive Software Ltd, 2 Minerva House, Calleva Park, Aldermaston, Berks RG1 4QW. Those of you who've written to me in the past asking for more information for Gackers should send off for the booklet at once, as it really is full of lots of useful information that enhances the things you're told in the manual.

Still on the subject of *GAC*, reader Tim Richardson has responded to the January issue's tip on how to implement two alternative character sets by coming up with no less than nine of his own. Tim's address is 20 Crescent Road, Bishops Stortford, Herts CM23 5JU.

● And yet still more news about *GAC* (I told you lots of people are interested in it). This time it comes from new software company, **The Essential Myth**, alias Mark Davies, Andrew Dean and Lee Hodgson. They've just released their first title, *The Book Of The Dead*, and they're currently putting together what will be their second release. That's going to be a collection of *GAC* utilities. The program does all the garbage collection that *GAC* itself can't be bothered with — you know, like refusing to remove words that you've decided you don't want. Also included will be alternative fonts, an option to have user-defined fonts in the adventure without losing memory, and other assorted goodies. No price set yet, but I hope they send me one when it's ready.

● Two Brighton-based adventure writers, **Nigel Brooks** and **Said Hassan**, having familiarised themselves with *The Quill*, have decided to move on and develop their own adventure-

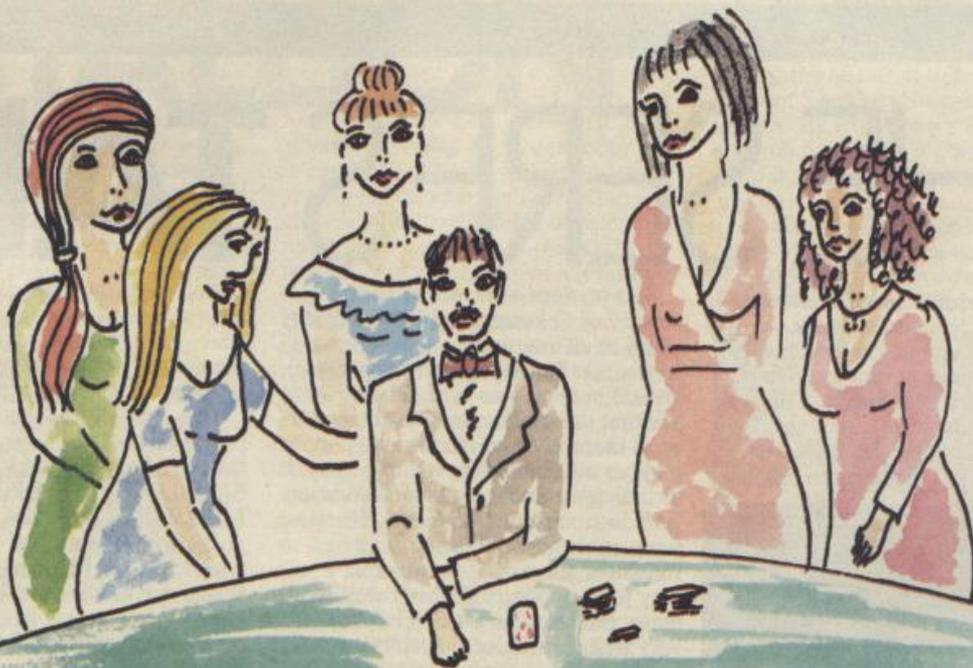
writing system, Said being the man behind the code. To develop and test the system, they decided to do their own version of the classic *Adventures*, or *Colossal Cave Adventure*, just to see how well their system worked. They were so pleased with the results that they're going to try to market the game, which is now being published by **Players** at £1.99 under the title of *The Serf's Tale*.

Following on from this, they've been working for **Mastertronic**, who gave them a storyboard to turn into a two-part graphics adventure called *Reigel's Revenge*. When I spoke to **Nigel Brooks**, the first part had just been completed, and they were embarking on part two. Having argued endlessly about how to link the two parts together (should the player be made to finish part one, or given unlimited access to part two etc) they decided on a neat compromise. You can start the second part, and will need to load up data from part one, but unless you've got everything you need you'll fall through into another mini-adventure that takes place in the programmer's den and which gives you clues to some of the bits you may have missed in part one. They've extended the parser from the two-word input of





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Stambourne, Halstead, Essex CO9 4NT. YES!  
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order the "BLACK JACK WINNING  
STRATEGY SIMULATOR" for Spectrum  
48K/128K. I enclose a cheque/PO for £9.95.

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ADDRESS.....  
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## THE BOOK OF THE DEAD

Good to see an independent house produce something original, rather than the usual Middle Earth clones, and you have to admit that the start of this GAC'd two-parter is certainly different: "You are in a spheroid, swimming in gooey albumen. The sound of someone knocking comes from outside." Assuming you can extricate yourself from that situation,

you go on to face a task so obviously different that I wonder no-one's thought of it before, as the aim of this game is to die.

The plot and the problems, so far as I was able to get before peeking at the cheat sheet, are well thought out and logical. The story mainly takes place in ancient Egypt and you are Kteth (no, not Keith, Kteth), a falcon-headed minor God, who presumably spends part of his time looking for falcon-headed minor goddesses to take round the Cairo wine-bars. But when he's not doing that he's enjoying the blissful life of a typical Egyptian Godling, till, wouldn't you just know it, someone comes along and cocks it all up. Namely your dad, Set. He bumps off Osiris, the big cheese among Egyptian Gods, and so the whole family gets booted out of Paradise. You have friends in high places, though, who recognise your innocence, but to regain your Godly status you'll first

have to find the Book of the Dead, which tells you how to die and travel back again to the Other World.

Enjoying all the facilities that GAC provides, such as the decent parser, TEXT/GRAPHICS options, IT/THEM options and so on, the only drawbacks to *The Book Of The Dead* seem to me to be the redesigned old-fashioned character set, which is very hard on the eyes, and the rather slow response time. But they're minor faults in an otherwise unusual game, and one well worth sending off your pennies for.



Graphics	<input type="checkbox"/>	8	
Text	<input type="checkbox"/>		<input type="checkbox"/>
Value For Money	<input type="checkbox"/>		<input type="checkbox"/>
Personal Rating	<input type="checkbox"/>		<input type="checkbox"/>

### FAX BOX

Title ..... The Book Of The Dead  
 Publisher..... The Essential Myth, 54 Church Street, Tewkesbury, Gloucester GL20 5RZ  
 Price..... £3.95, mail order only

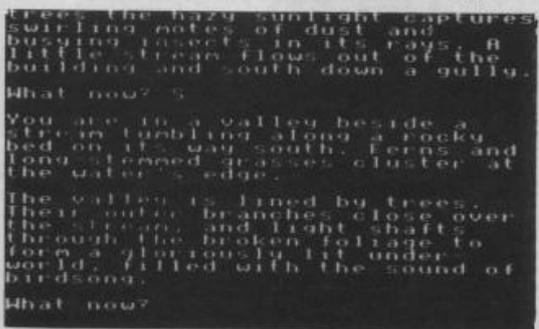
## THE SERF'S TALE

I have to admit that this cassette has been lying on my desk neglected and un-loaded for at least a couple of months. Who wants yet another version of *Colossal Cave Adventure*, I thought, that being essentially what this is. Never mind, the wait has enabled the original

So who does want yet another version of *Colossal Cave*? Well, anybody who's at all interested in adventures, I reckon. As I read through the background notes, I was very dubious to see that the programmers had taken it upon themselves to increase the number of locations by a third, including a completely new 30-location introduction to the adventure. He who tampers with an old favourite is running a grave danger of getting a very loud raspberry if it isn't well done. Fortunately *The Serf's Tale* is very well done indeed. A storyline has been created to explain just why you find yourself standing one day outside a small brick building, and the extra locations mean that the game isn't simply a case of going in, getting everything and then getting on with it. You'll need to find coins and a map, for starters, and the provisions are hidden away as well. The text for this storyline and in the location descriptions is perfectly done to

complement the original, and it all adds a great deal to the atmosphere when you enter the familiar underground network of caves — and they must be familiar to people by now.

This isn't all, though, as the program itself has some great features. Commands available include RAM SAVE/LOAD, GET/DROP ALL, FULL/BRIEF for location descriptions, pockets in adventurers' clothing in which you can PUT and RETRIEVE things and a fully used EXAMINE command. The text has been redesigned and looks a treat, and I reckon it'll sell thousands.



independent publishers, Adventure Software, to sell the game to Players for wider distribution. It's also changed its own name to Smart Egg Software.

Graphics	<input type="checkbox"/>	9	
Text	<input type="checkbox"/>		<input type="checkbox"/>
Value For Money	<input type="checkbox"/>		<input type="checkbox"/>
Personal Rating	<input type="checkbox"/>		<input type="checkbox"/>

### FAX BOX

Title ..... The Serf's Tale  
 Publisher..... Players  
 Price..... £1.95

## THE ZACARON MYSTERY

The year is 3065, which doesn't surprise me at all as we work so far ahead on magazines that anything's possible. I'm actually writing this in 1979 on a ZX-80! Such is the magic of publishing. Players is releasing some interesting adventures, and while *The Zacaron Mystery* won't be setting the adventure world alight, it's still a very playable adventure and worth a couple of quid of anyone's money.

In the year 3065, it seems, the earth's fuel supplies have just a few months to go, and having only had about 1500 years notice of this, naturally the governments of the world are taken by surprise. The only way out seems to be to send someone in search of two Zacaron crystals, each of which will guarantee enough energy to heat the earth for thousands of years. Hot stuff. We could do with one of those here at Rathbone Towers for

when the radiators are playing up.

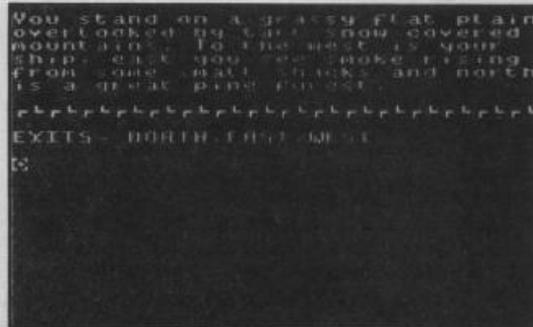
The first crystal is apparently to be found on a place called Prutor, where conveniently enough you find the password you'll need to get to Myra, where the second crystal is, along with acid-filled rivers and a burning sun. Sounds nasty.

The text has been nicely redesigned to be futuristic, but not so much so that you can't actually read it, as often happens, and there's an option to save to memory and a self-evident START AGAIN command. You'll need to make regular use of the SEARCH command as well as EXAMINE — SEARCH a location and it magically reveals things you didn't know were there. There's a good use of sound effects too, but I found it fairly easy to get quite a way into the game, as I suspect will most people. Don't expect this to keep you occupied till the year 3065 (remember to stock up on thermal undies if you plan being around that long), but at

£1.99 it's entertaining enough.

Graphics		7
Text		
Value For Money		
Personal Rating		

FAX BOX	
Title .....	The Zacaron Mystery
Publisher.....	Players
Price.....	£1.99



## OPERATION STALLION

Yet another adventure with a scenario that's had a lot of work put into it, and yet the game itself doesn't quite live up to the promise, mainly because of some niggling little faults. The first in a trilogy of adventures, you might be prepared to put up with those faults when you know there's a £500 prize for the first to complete all three.

You are John Blake, seemingly an obscure government employee, who's true role as a troubleshooter is known only by the boss Charles Jenson, alias CJ, and the Prime Minister, alias PM. Your job involves you in activities on the fringes of legality on behalf of the government, but there's one drawback — you have a brain implant that allows CJ or the PM to take you out at any time.

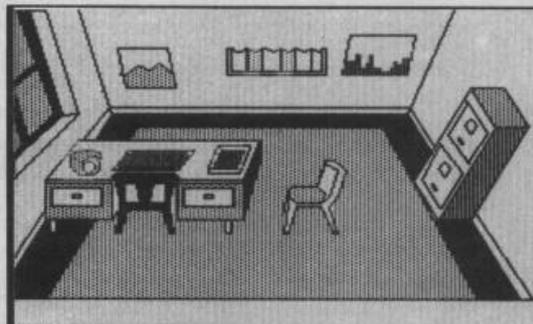
*Operation Stallion* is a complex two-part tale of heroin smuggling, and your aim is to terminate a character called Kwok inside 24 hours. In the first part you start in your office, the description of which is as lengthy as you'll get in an Infocom game, though naturally you shouldn't expect the same kind of detailed interaction. After a few moves your phone rings, and CJ (I didn't get

where I am today by...) summons you to the briefing room. There you're given your mission, and invited to choose from the 24 items of equipment made available to you. I think this feature, which crops up in adventures now and again, is totally out of place. You have no way of knowing at the outset what equipment you're likely to need, and the completion of part two is likely to be tedious as you continually realise you're going to have to go back to the start and choose a different item to take with you. It's not just a case of quickly loading up an earlier saved game and playing it through again, but of loading up part one in its entirety, then loading a saved game or playing through to the briefing room, then saving your game, then reloading part two, then loading the newly saved game from part one, then playing it through from the start to where you'd left off. Phew! I'd suggest you make a careful note of all 24 items from part one, and continually refer to it as well as to your inventory when you come up against problems in part two.

A great deal of effort has been put into the text and graphics (*Quill/Illustrator*), so it's a shame the thoroughness doesn't extend

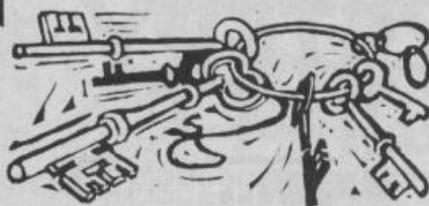
throughout the program itself. Early on in part two, for instance, you need to get past a bull to get into Kwok's mansion. Despite the fact that I was carrying a machine gun, a stun grenade, nitroglycerine, plastic explosives and a canister of KO gas, none of them seemed to be the solution called for and so the bull kept seeing me off. A bit unrealistic, I reckon. They've also spelt 'canister' incorrectly with two n's as an object, but you must spell it correctly to get or drop it. A few other text mistakes crop up too.

At about half price or less, I'd say it was worth buying, but at £6.95 I think it's priced too highly, even with the potential appeal of that prize. A pity.



Graphics		7
Text		
Value For Money		
Personal Rating		

FAX BOX	
Title .....	Operation Stallion
Publisher.....	Wrightchoice Software, PO Box 100, 159 Welbeck Crescent, Troon, Ayrshire, Scotland KA10 6BD
Price.....	£6.95



## ADVENTURERS INTERNATIONAL

I think all my International Adventurers must've been hibernating for the winter, as I've had just three letters this month — and one of those is only from the Isle of Man! That's from K. Goodall, 5 Ashley Park, Onchan, Isle of Man, who asks how to get started in part three of *The Colour Of Magic*. Thanks to John Barnsley I can tell you that to begin the game you WAIT till the Dragon arrives, make two moves Hubwards, PULL KRING, go Rimwards, KILL KSDRA, climb on the Dragon and then WAIT again till you arrive at the platform, where you take and wear the boots. That should get you going. K. Goodall also asks if he or she can have a freebie — of course you can, if you send me an sae and tell me which of the various ones on offer you want — though if you mean *The Colour Of Magic* I haven't prepared one for that title yet.

Mathew George writes from India to ask how to send an sae since he can't buy UK stamps abroad. That little problem shouldn't stump a seasoned adventurer for long. First you must ECIFFO TSOP OG, then NOPUOC YLPER LANOITANRETN I YUB. Mathew also wants to know how to complete *Back To Skool*, which may not qualify as an out-and-out adventure but warrants a mention because it's one of my favourite games of all time. "From where do I get the code for the bicycle, and the frog, and also what use are the water gun, the stink bombs and the lizard-like creatures that run around the classroom?" Well those creatures are mice not lizards, and they cause much fun in the girls' school. Any *Skool* experts prepared to help Mathew (and me) on the other problems? Write to Mathew George, MS/RB/II/50/1, C'ryl Quarters, Behind Sion Hospital, Sion, Bombay 400 022, India.

Finally all the way from sunny Athens, Theodore Blitsas has been getting into a bit of adventure hacking, courtesy of *Tasword*. "If you have *Tasword 2*," he says, "You can use it not only for typing hot-headed letters to the Ed, but also for PEEKing the code of an adventure game." How is this miracle of technology achieved? Just by loading in the main adventure code as a *Tasword* file and inspecting the results. Obviously it doesn't work with everything, but Theodore's tried it successfully so far with *Planet Of Death*, *Secret Mission* and *Perseus And Andromeda*, and he's sent me the results to prove it. If the adventure code is too big for a *Tasword* file, Theodore says you should first create a dummy header with SAVE "dummy" CODE 32000, 20400, then run *Tasword* and load the adventure code

with the dummy header as a *Tasword* file. If you get a tape loading error somewhere along the way, you can still run *Tasword* and have some of the adventure text along with some garbage as a *Tasword* file, enabling you to print it out. If you want to ask Theodore any questions about this, his address is Oinois 4, Kallithea, Athens 176 76, Greece. Happy hacking!

## KIND SOULS

He's at the foot of the *Lost Souls* column so he can be at the top of the *Kind Souls*, and that's Ted Webb, 3 Montgomery Walk, Waterlooville, Portsmouth, Hants PO7 5TD. In exchange for an sae and that obviously applies when writing to anyone for help, Ted can come to your assistance on *The Boggit*, *Zzzz*, *Very Big Cave Adventure*, *Bugsy*, *Terrormolinos*, *The Helm*, *Subsunk*, *Seabase Delta*, *Hampstead*, *El Dorado*, *Mafia Contract I and II*, *Claymorgue Castle*, *Spiderman*, *Holy Grail*, *Gremlins*, *Hobbit*, *Inferno*, *Forest At World's End*, *Jewels Of Babylon* and *Mountains Of Ket*. And thanks to John Barnsley, Ted says, for help on some of those.

Talking of John Barnsley, what should I see next but a letter from the man himself, who's been exercising his remaining brain cells to take his number of successes past the hundred mark. Adventures, that is. I won't list them all or otherwise I'd probably look up and suddenly find myself on the last page, but some of the more recent additions include *Tracer Sanction*, *Borrowed Time*, *Bugsy*, *Seas Of Blood*, *Ice Station Zero*, *The Lost City*, *Aftershock*, *Token Of Ghall*, *Warlord*, *The Count*, *Castle Of Hydor*, *Oasis Of Shalimar*, *Woods Of Winter* and *The Colour Of Magic*. There may be a few interlopers from other machines there, as John's the one who used to buy YS even though he owned a Commodore 64, but now he's got a Spectrum as well so I'll let him through the front door at last. As John says, though, an adventure is an adventure, no matter what machine it's on, and as many players have access to more than one computer that's why he includes all completed games on his list. I agree, and John will answer individual problems or send solutions and maps to games as well, though he charges for photocopying if you want those. Address your enquiries to 32 Merrivale Road (sounds like a location out of *Lord Of The Rings* to me), Rising Brook, Stafford, Staffs ST17 9EB.

"We've completed millions and zillions of adventures," claim Deborah and Trevor Whitsey, 1 Furber Court, The Arbours, Northampton NN3 3RW, though I've counted them and it only comes to half a zillion. Nevertheless they'd be delighted to help you on *The Worm In Paradise*, *Return To Eden*, *Sherlock*, *Gremlins*, *The Hulk*, *Spiderman*, *Dangermouse In The Black Forest Chateau*, *Valkyrie 17*, *Heroes Of Karn*, *Veinor's Lair*, *Hobbit*, *Lord Of The Rings*, *Golden Baton*, *Price Of Magik*, *Boggit*, *NeverEnding Story*, *Inca Curse*, *Planet Of Death*, *Espionage Island* and parts one, three and four of *Eureka*.

Steven Conibear doesn't claim to have completed a zillion titles, but he's just as willing to help on the ones he has done, which are *Hobbit*, *Lord Of The Rings*, *Erik The Viking*, *Terrormolinos* and the first part of *Sinbad And The Golden Ship*. Bung your sae's in a Birminghamwards direction, to 147 Graecemere Crescent, Hall Green, Birmingham B28 0UE.

Graham Collier's sent me solutions on tape for *Return To Ithaca* and *Aftershock* and reckons that with all the trekking around you have to do in the latter it should be renamed *The Price Of Footwear*. He also has solutions to *Pharaoh's Tomb*, *Knight's Quest*, *Invincible Island*, *Se-Kaa Of Assiah* and *Seabase Delta*. Send him a tape with a save of the position that's causing you problems and he'll get you through it, or a blank tape and postage for any of his solutions. He might even send you a snazzy tape letter as well, if you ask him nicely at 32 Old Fosse Road, Odd Down, Bath, Avon BA2 2SR.

Now a few folk who ask you to fork out for the photocopying as well as enclose an sae if you write to them for solutions, the first being Darren Davies who charges 20p per complete solution or £1.00 for a booklet containing all the following: *The Doomsday Papers*, *Planet Of Death*, *Inca Curse*, *Ship Of Doom*, *Sherlock*, *Terrormolinos*, *Espionage Island*, *Sinbad And The Golden Ship*, *Se-Kaa Of Assiah*, *Temple Terror*, *Mafia Contract I and II*, *Marie Celeste*, *Zzzz* and *Seabase Delta*. Darren's abode is 30 Moyne Gardens, Chellaston, Derby, and if he suddenly adds a swimming pool and tennis court you'll know he's charging too much for the photocopies.

Ronald Henderson isn't asking much, just 10p each for hint sheets, on *Sherlock* and *The Fourth Protocol*, two notoriously difficult titles, and if you buy both you get a sheet for *Seabase Delta* free. Send your spondulicks to New Dimension Adventureline, c/o Robert Henderson, 110 Woodhead Green, Hamilton, Lanarkshire, Scotland ML3 8TW.

Sandra Sharkey asks me to mention that she publishes the *Adventure Probe* magazine, while her friend Pat Winstanley is responsible for *Adventure Contact*. I'd been assuming that both of these Wigan women were responsible for both magazines. Probe subscribers (60p an issue, 78 Merton Rd, Highfield, Wigan WN3 6AT) are entitled to buy adventure solutions in exchange for a first-class stamp, or two stamps if you want a map as well. Both maps and solutions are available for *1942 Mission*, *Boggit*, *Classic Adventure* (Abersoft version), *Crystal Frog*, *Dragon Of Notacare*, *Earthbound*, *Espionage Island*, *Eureka*, *Eye Of Bain*, *Final Mission*, *Golden Apple*, *Greedy Gvch*, *Inca Curse*, *Jewels Of Babylon*, *Legacy*, *Mafia Contract*, *Magic Mountain*, *Marie Celeste*, *Mountains Of Ket*, *NeverEnding Story*, *Pharaoh's Tomb*, *Planet Of Death*, *Price Of Magik*, *Holy Grail*, *Sea Of Ziron*, *St Brides*, *Spy Trilogy*, *Subsunk*, *Time Of The End*, *Temple Of Vran*, *Temple Terror*, *The Helm*, *Knight's Quest*, *Valkyrie 17* and *Very Big Cave Adventure*. Solutions only are available for *Erik The Viking*, *Hampstead*, *Return To Eden* and *Snowball*, and maps only for *Bored Of The Rings*, *Galaxias*, *Ground Zero*, *Robin Of Sherwood*, *Time Machine*, part one of *Sinbad And The Golden Ship* and the Goblins' Dungeons in *The Hobbit*.

## LOST SOULS

Simply millions of people are lost this month in games I've never even managed to find on the software shelves. Like one called *Necris Dome* by Codemasters, which JD Martin of 97 Waterloo Road, Uxbridge, Middlesex UB8 2QY says he bought for his daughter at Christmas, but it's proved not only beyond her but beyond him and three of his friends as well! He doesn't say what the problem is, apart from getting nowhere at all, so can any kind YS reader out there help Mr Martin?

And has anyone been playing *Supercom* from Atlantis? If so, kindly tell Robert Morgan about it. Robert's problem is that after phoning the Armageddon computer, he can't get the third code that's needed,

the one with the time factor, though he's got the first two. Code remedies to 1439 Dumbarton Road, Scotstoun, Glasgow.

Next in the mysterious title series is something called *McKensie* from Software Projects, which sounds suspiciously like an arcade adventure to me, but I'll let it through. Any help at all on that one, and on *Knight Tyme*, to Daren Francis, 38 Marlborough Road, Oulton Broad, Lowestoft, Suffolk NR32 3BU. Daren says he hasn't even fixed the transporter yet in *Knight Tyme*, so someone please come to the rescue.

Now at last a game I have heard of, *Fairlight*, but I still can't help anyone out on it. Any offers? J. Grundy of 3 Banks Garth, Knottingley, West Yorks WF11 8AN says he's been playing it for about two months and in that time has found "various potions, crosses, crowns and the elusive magic book. Having obtained the magic book, I would appreciate any hints on what to do with it." Polite suggestions only, please.

Some readers get themselves into the most awkward predicaments, and then come crying expecting me to get them out. Keith Whittaker's one of them, who's proved himself an ace with *Vera Cruz*, but having taken another Gallic excursion in *Spytrik Adventure*, finds himself stuck at the top of the Eiffel Tower, trying to get the balloon to do more than merely deposit him back at the bottom. Send help to Keith c/o CCN Systems, Talbot House, Talbot Street, Nottingham NG1 5HF.

Stuck in *Sorderon's Shadow* is Peter Harvey, 45 Higher Efford Road, Efford, Plymouth, Devon PL3 6LD, wondering where the headman and the Free Lords of Elindor are. Meanwhile Ted Webb is dying of thirst in *Journey To The Centre Of Eddie Smith's Head*, a problem he shares with many, including me. Come on you clever clogs out there, let one of us know, either me at the magazine or Ted at his address in the *Kind Souls* column.

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# TASK

## FORCE

**Ian Hoare puts the bounce back into your routines and perks up your programs!**

Now that those long winter evenings are coming to an end and spring is in sight you may well be tempted to spend less time with your Speccy. Well, I disapprove! So, this month I've got loads of brilliant routines to keep you tapping the night away.

And what better place to start than with three machine code routines from **Andrew Brown** of Wetherby, West Yorkshire. Despite my requests he sent them in as POKEs, what do you think this is, *Hacking Away*? Anyway I couldn't resist them so I've converted them to Assembler Mnemonics. You're lucky this time Andrew! The first is a case converter that changes between upper and lower case. It can be used to alter variable names and it doesn't touch text between quotes.

```

10      ORG 16384
20     PROG EQU 23635
30     VARS EQU 23627
40     ENTER EQU 13
50     NUMBR EQU 14
60     QUOTE EQU 34
70     LD HL,(PROG)
80     LD DE,5
90     LD BC,(VARS)
100    AND A
110    SBC HL,BC
120    RET NC
130    ADD HL,BC
140    PLUS5 ADD HL,DE
150    CHAR LD A,(HL)
160    CP QUOTE
170    JR Z,END_Q
180    CP ENTER
190    JR Z,LINE
200    CP NUMBR
210    JR Z,SKIPE
220    CP "a"
230    JK C,LEAVE
240    CP "("
250    JK NC,LLAVK
260    SUB 32
270    LD (HL),A
280    LEAVE INC HL
290    JR CHAR
300    SKIPE INC HL
310    JR PLUS5
320    END_Q LD B,H
330    INC HL
340    CPER
350    JR CHAR
360    END
  
```

The code can be loaded anywhere, though Andrew reckons that if it's in screen

memory it can't interfere with any other programs. The short Basic routine below asks whether you want to convert to or from upper case then POKEs the appropriate values into the code before calling it.

```

9996 INPUT "Upper or Lower Case (U/L) ? " : LINE a$ : IF a$="U" OR a$="u" THEN GOTO 9998
9997 POKE 16414,97 : POKE 16418,12
3 : POKE 16421,214 : GOTO 9999
9998 POKE 16414,65 : POKE 16418,91
1 : POKE 16421,198
9999 RANDOMIZE USR 16384
  
```

I would've actually used the printer buffer at 23296 and if you decide to do so you'll have to work out the addresses where you want the POKEs made.

Andrew's second routine rennumbers lines. It isn't intelligent and won't remember GOTOS, GOSUBS and so on but that would take about 500 bytes! It's very fast though, and rennumbers all the lines in a program in the steps you want. Again Andrew suggests using screen memory, but you may find it better to use the printer buffer so I've set up the assembler ORG to do just that!

```

10      ORG 23296
20     PROG EQU 23635
30     VARS EQU 23627
40     LD HL,(PROG)
50     LD DE,0
60     LINE LD BC,(VARS)
70     AND A
80     SBC HL,BC
90     RET Z
100    ADD HL,BC
110    LD B,1
120    ALTER INC DE
130    DJNZ ALTER
140    LD (HL),D
150    INC HL
160    LD (HL),E
170    INC HL
180    LD C,(HL)
190    INC HL
200    LD B,(HL)
210    ADD HL,BC
220    INC HL
230    JR LINE
240    END
  
```

Once again, there's a line of Basic to put the step value into the code and if you want to change the address where you're going to run the code you'll have to work out where to put the POKE.

```

9999 INPUT "STEP = ? 1 to 255 " :
a : POKE 23312,a : RANDOMIZE USR 23296
  
```

Andrew's final program enables you to do block line deletes — very handy! I've altered his Basic to use the DEF FNs for hi and lo byte calculation from the first ever *Task Force* which saves a bit of space. I've also set up the code in the printer buffer.

```

10      ORG 23296
20     L_ADD EQU 6510
30     RECLM EQU 6629
40     LD HL,0
50     CALL L_ADD
60     PUSH HL
70     LD HL,0
80     INC HL
90     CALL L_ADD
100    POP DE
110    CALL RECLM
120    RET
  
```

Since this uses two of the 48K ROM routines it can't be used with a +2 or a 128K Spectrum in 128K mode! The routine `L_ADD` returns in the HL register pair the address of a line number, passed to it in the HL pair. The routine `RECLM` takes two addresses in the HL and DE register pairs and reclaims (deletes) the space between them. It then resets all the pointers to take account of the changed program. This short Basic program calls the actual code.

```

1 DEF FN h(x)=INT (x/256)+DEF FN l(x)=x-256*FN h(x)
9996 INPUT "List Line number to delete ? " : a$ : LET n=23297 : GOSUB 9997
9997 INPUT "Last Line number to delete ? " : b$ : LET m=23304 : GOSUB 9997
9998 RANDOMIZE USR 23296 : STOP
9999 POKE x,FN l(a) : POKE x+1, FN h(a) : RETURN
  
```

Thanks very much for those three little routines, Andrew — let's see some more like that!

**Christian Keane** from Liverpool wrote in with an interesting question. Whilst he was reading through the User Guide, he noticed a real oddity. In the list of the character set and its numerical equivalents and the assembler mnemonics associated with those numbers, the instruction `LD (nn),hl` appears twice! Once against Hex 22 and once after ED as Hex 63. Very odd indeed!! He asks the reasonable question, "Is this a mistake, should one of them be a different instruction, or do both of them do the same thing?" I've done a bit of research on this and both number sequences do indeed go `LD (nn),HL` as the book says! If you look a bit further, you'll find there are other similar instructions. `LD (nn),IX` is DD 22 nn and `LD (nn),IY` is FD 22 nn. In general all instructions using the two index registers mimic the HL register instruction, but with DD and FD added for the IX and IY registers respectively.

Have a butchers at the instructions `LD (nn),BC` `LD (nn),DE` `LD (nn),SP` and you'll see that they all have a similar structure with HL in the middle! Like this:-

```

LD (nn),BC ED 43 nn
LD (nn),DE ED 53 nn
LD (nn),HL ED 63 nn
LD (nn),SP ED 73 nn
  
```

So, in answer to your question, I reckon the two different ways of doing the same thing were left in, to give compatibility with other similar commands. Obviously it would be sensible to use the shorter instruction under

normal circumstances.

It's now my turn to grovel as I made, shock horror, a mistake in January's *Task Force*! In **John Taylor's** routine for storing and sorting numbers, there were two errors! Line 70 should have read `DJNZ SETUP` and line 160 should have been `LD HL,STORE`. Thanks **Terry** from Cardiff from pointing it out. I consider myself severely reprimanded.

You'd never believe how many letters I've had about the routine I published for rounding off numbers to any number of decimal places, using a mask. Most people had written routines that were much shorter. But I must say that though I published a longer routine, it was because it could be used to round off to any number of places in a single routine.

I did get an extremely elegant program from **Tony Sollars** from Leatherhead though, which actually defines a function to do the rounding! Cop a load of this!

```

1 DEF FN d(p,n)=INT ((n*(10^p)+0.5))
10 REM Here is an example of using it
20 INPUT "Number to be rounded " : n
30 INPUT "Number of decimal places " : p
40 LET m=FN d(n,p) : PRINT m
  
```

Very nice indeed, Tony. And here's a little teaser to keep you going till next month. Tony asks this question with reference to an extension to that function. "In addition to the above, I added the following lines to my program so that if the result is an integer the following zeros after the decimal point were printed.

```

40 IF n=INT n THEN LET n$=STR$ n+"" : IFOR g=1 TO p : LET n$=n$+"0" : NEXT g : GO TO 60
50 PRINT n$
55 STOP
60 PRINT n$
  
```

"But if 3.0016 is the number in line 10 and 2 is the number in line 20, and 3 is the result in X in line 30, line 40 is still ignored even though the argument is 'IF 3 = INT 3'. Can anyone explain?"

Well, I had a look at the program, Tony, and the really interesting thing is that if you do, as a direct command `PRINT INT (FN d(n,p))`, with the values 10 and 2 for n and p respectively, you get the value 9!! Now that is really odd. Who can write and tell us both what's going on? Tee hee!!

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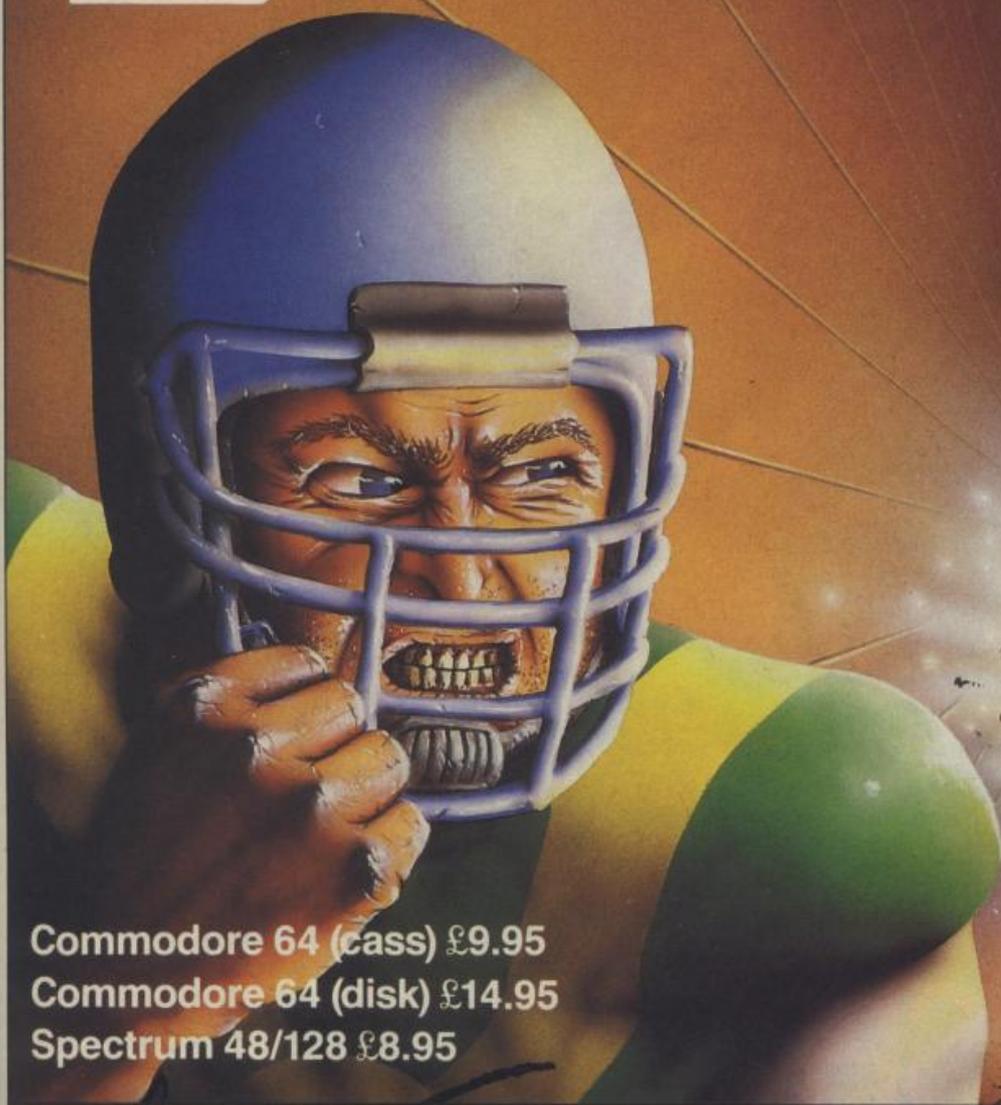
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# HEART TO HARTNELL

Feeling out of sorts? A dose of **Tim Hartnell** should put you right.

**D**id you know that 90 percent of all computer programs do some kind of sorting? Well, they do according to Jonathan Amsterdam (*Byte Magazine* Sept '85), and that's a whole lot of programs.

The most basic type of sort is where a series of strings are placed in alphabetical order or a list of numbers are put in ascending or descending order. Whether you're sorting names of products in a storeroom, a mail list ranked in the Post Office's peculiar number and

letter combination or the results, from highest to lowest within a class, of an examination, similar sorting techniques can be used.

However there's a mind-boggling number of sorting algorithms you can use and they vary enormously in their efficiency. So, I'm going to take a look at five different types of sorting programs, where the most efficient one works thirty times faster than the least efficient one. And when you're working with a computer like the Speccy which in Basic doesn't hold the world record for running

faster than a speeding bullet, the efficiency of a sorting program can be crucial!

If you're sorting a short list it doesn't really matter which type of sort you use but it becomes increasingly important as the list gets longer. And if you're writing a business application that occasionally sorts a long list or sorts a short list frequently it's imperative that you choose the right routine.

Trouble is, choosing the correct sort for the job isn't that easy since you have two conflicting requirements — storage space and execution

time. Some sorts demand no additional memory other than that holding the original unsorted data but in the worst case a second array equal in size to the array that holds the original data is needed to hold elements during a sort.

In the following programs the list to be ordered is an array filled with random numbers that have to be sorted into ascending order. You can alter the number of elements in the list very easily to show how the efficiency of some sorts declines dramatically as the length of the list increases.

## BUBBLE SORT

All the programs illustrated here use the Spectrum's internal clock to see just how long each sort has taken. In *Bubble Sort* the time it takes to put a small list in order is proportional to the square of the number of elements to be sorted. Try it for yourself.

```
10 REM BUBBLE SORT - PROGRAM A
20 INPUT "HOW MANY ITEMS TO SORT? "; N
30 DIM A(N)
40 FOR Q=1 TO N: LET A(Q)=INT(RND*N+1): NEXT Q
50 PRINT "SORT STARTING NOW ..."
```

```
55 POKE 23674,255: POKE 23673,255: POKE 23672,255
60 LET K=1
70 LET X=A(K): LET Y=A(K+1)
80 IF X<Y THEN GO TO 140
90 LET A(K)=Y: LET A(K+1)=X: L
ET TEMP = K - 1
100 IF TEMP=0 THEN GO TO 140
110 LET X=A(TEMP): LET Y=A(TEMP+1): IF X<Y THEN GO TO 130
120 LET A(TEMP)=Y: LET A(TEMP+1)=X
130 LET TEMP=TEMP-1: GO TO 100
```

```
140 LET K=K+1: IF K<N THEN GO T
O 70
145 PRINT (65536*PEEK 23674+PEE
K 23672+256*PEEK 23673)/50
150 PRINT "SORT FINISHED": BEEP
1,5: BEEP 1,10
160 FOR J=1 TO N: PRINT A(J);
NEXT J
```

The table below shows the different times it took my rubbery old 16K Speccy to work through lists of varying lengths:

Elements	Time Taken (seconds)
20	6.64
50	41.86
100	179.92

The time taken to sort out longer lists rises quite unacceptably. If you had a list of 10,000 numbers to sort, you could practically run a half-marathon, shake Uncle Clive by the hand at the finish line and be back home before it'd finished.

## SWOP SORT

So, what about trying this one for size. *Swop Sort* starts with the first two elements in the list and then interchanges them if necessary. If these don't need to be swopped the program then moves on to the next two. However if a swop is needed the program carries this out and then goes back to the beginning again. This process continues until it gets to the end of the list.

```
100 NEXT C: NEXT B
110 PRINT "SORT FINISHED": BEEP
1,5: BEEP 1,10
115 PRINT (65536*PEEK 23674+PEE
K 23672+256*PEEK 23673)/50
120 FOR J=1 TO N: PRINT A(J);
NEXT J
```

Have a look at the table to see how it performed:

Elements	Time Taken (seconds)
20	4.54
50	26.34
100	105.52

Whereas it took the *Bubble Sort* around 42 seconds to put a list of 50 items in order, the *Swop Sort* took just 26 seconds. Try both programs with a list of 1000, and then even more numbers, to see if you can work out at which point, if any, *Bubble Sort* would become more efficient than a *Swop Sort*.

```
10 REM SWAP SORT - PROGRAM B
20 INPUT "HOW MANY ITEMS TO BE SORTED? "; N
30 DIM A(N)
40 FOR M=1 TO N: LET A(M)=INT(RND*N+1): NEXT M
50 PRINT "SORT STARTING NOW ..."
```

```
55 POKE 23674,255: POKE 23673,255: POKE 23672,255
60 FOR B=1 TO N-1
70 FOR C=B+1 TO N
80 IF A(B) < A(C) THEN GO TO 100
90 LET TEMP=A(B): LET A(B)=A(C): LET A(C)=TEMP
```

## INSERTION SORT

Like the first two sorts I've looked at, the *Insertion Sort* doesn't demand any additional memory. Here the time taken to order a list is related to the number of elements in the list squared whereas in the *Swop Sort* it's related to the number of

elements in the list cubed.

```
10 REM INSERTION - PROGRAM C
20 INPUT "HOW MANY ITEMS TO BE SORTED? "; N
30 DIM A(N)
40 FOR Q=1 TO N: LET A(Q)=INT(RND*N+1): NEXT Q
50 PRINT "SORT STARTING NOW ..."
```

```
55 POKE 23674,255: POKE 23673,255: POKE 23672,255
60 FOR K=2 TO N
70 LET J=K-1: LET L=A(K)
```

```
80 IF L>A(J) THEN GO TO 110
90 LET A(J+1)=A(J)
100 LET J=J-1: IF J>0 THEN GO T
O 80
110 LET A(J+1)=L: NEXT K
115 PRINT (65536*PEEK 23674+PEE
K 23672+256*PEEK 23673)/50
120 PRINT "SORT FINISHED": BEEP
1,5: BEEP 1,10
130 FOR J=1 TO N: PRINT A(J);
NEXT J
```

Again we can see the results from the following table:

Elements	Time Taken (seconds)
20	2.92
50	16.6
100	56.46

As the number of elements doubles (from 50 to 100), the time taken increases by a factor of 3.4 which is more or less as expected, since it's related to the square of the number of elements in the list.

## SHELL SORT

This routine, though it needs a little extra storage (in this case an array containing ten elements) is very fast.

```
10 REM SHELL SORT - PROGRAM D
20 INPUT "HOW MANY ITEMS TO SORT?" ; N
30 DIM A(N); DIM S(10)
40 FOR M=1 TO N: LET A(M) = INT(RND*N+1): NEXT M
50 PRINT "SORT BEGINNING NOW ..."
```

```
55 POKE 23674,255: POKE 23673,255: POKE 23672,255
60 LET S(1)=1: FOR J=1 TO 9: LET S(J+1) = S(J)*3+1: NEXT J
70 LET P=0
80 LET P=P+1
90 IF S(P+2) < N THEN GO TO 80
100 FOR K=P TO 1 STEP -1: LET S = S(K)
110 FOR J=S+1 TO N: LET L=J-S: LET A=A(J)
120 IF A>=A(L) THEN GO TO 140
130 LET A(L+S)=A(L): LET L=L-S:
```

```
IF L>0 THEN GO TO 120
140 LET A(L+S)=A: NEXT J
150 NEXT K
160 PRINT (65536*PEEK 23674+PEEK 23672+256*PEEK 23673) / 50
170 PRINT "SORT FINISHED": BEEP 1,5: BEEP 1,10
180 FOR J=1 TO N: PRINT A(J); ",": NEXT J
```

After running the program with the familiar sample lists of randomly-generated numbers I got the following results:

Elements	Time Taken (seconds)
20	2.22
50	8.4
100	25.82

Wow! An amazing seven times faster than *Bubble Sort* with 100 elements and twice as fast as the *Insertion Sort*.

## SORT BY COUNT

Now this one puts the others to shame in terms of speed of execution even though it needs an array in addition to the one that holds the data. The second array (C in the program) contains the same number of elements as the value of the largest element in the data so if the data array held the numbers 6, 84 and 17 C would require 84 elements. Although you're using extra memory it's well worth it 'cos the time to sort

out a list of N elements is directly related to N. In fact the *Sort By Count* time increases arithmetically with the number of items so a list 100 items long should take twice as long as one of 50. Since the time taken to order a list is to some extent dependent on the value of the largest number in the list it was necessary to run a few further tests so I could compare it directly with the other Sort routines.

```
10 REM SORT BY COUNT - PROG E
20 INPUT "HOW MANY ITEMS TO SORT?" ; N
30 DIM A(N); DIM Q(N)
40 INPUT "HIGHEST VALUE IN DATA?" ; M
50 DIM C(M)
60 FOR Q=1 TO N: LET A(Q) = INT(RND*M+1): NEXT Q
70 PRINT "SORT STARTING NOW ..."
```

```
(A(J))*1: NEXT J
100 FOR J=2 TO M: LET C(J)=C(J)+C(J-1): NEXT J
110 FOR K=N TO 1 STEP -1
120 LET TEMP =A(K)
130 LET J=C(TEMP): LET Q(J) = TEMP
140 NEXT K
145 PRINT (65536*PEEK 23674+PEEK 23672+256*PEEK 23673) / 50
150 PRINT "SORT FINISHED": BEEP 1,5: BEEP 1,10
160 FOR J=1 TO N: PRINT Q(J); ",": NEXT J
```

Range of Numbers	No. of Elements	Time To Sort (seconds)
1-20	20	1.32
1-50	50	3.36
1-10	100	5.08
1-100	100	6.74
1-1000	100	23.32
1-100	3000	148.26

Here's the program and the table of results.

If you look at the sort of 100 numbers in the range 1-100 and compare it with the other program results you'll see it measures up very well.

**Bubble Sort** — 180 seconds  
**Swop Sort** — 106 seconds  
**Insertion Sort** — 56 seconds  
**Shell Sort** — 26 seconds  
**Sort By Count** — 7 seconds

Well, I hope that's sorted you out and if it hasn't it'll have at least sorted your Speccy out. If you can think of a quicker

or more efficient routine write in to *Your Sinclair*, 14 Rathbone Place, London W1P 1DE and tell me.



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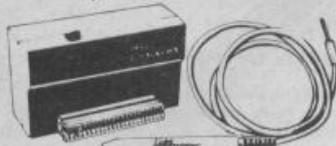
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# FANZINE OF THE YEAR

Daa daa daa. Here's a fanfare for the second winner in the *YS/Domark Fanzine Of The Year Compo*. It's fantasmagorical, fantastic, fancy, fanatical and can dance the fandango! It's called *Impact* and it's great!

Fanzines floweth over. We've had loads of entries to the *YS/Domark Fanzine Of The Year Compo* - all of them fun. Don't despair if you were one of the entrants 'cos we'll be picking out a winner each month. And if you haven't entered, now's your chance to get cracking and send in your mag. The winning fanzine's publishers will receive a cheque for £50 and a framed certificate. Not to mention the fame that goes with it. Just think what it could do to your circulation. But that's not all. At the end of the year we'll be choosing an overall winner and inviting the fanzine's production team up to *Your Sinclair* to write a special *YS* feature. So don't hang about - get publishing!

This month's winning fanzine is called *Impact* and it certainly made an impact on us. It's well produced, well designed and packed with information. There's news, reviews, playing tips, competitions and a cartoon. In this issue (number 2) there's even an eight page Laserdisk arcade pull-out. *Impact's* Ed Mat Johnston reckons it's great fun putting a mag together (*We know, we know. Ed*). Here he is to fill you in on *Impact's* production.

"Though we started just under a year ago, so far we've only produced two issues of *Impact* - mainly 'cos we've all had the dreaded 0 levels in the way. Issue three will be out soon and we plan to go bi-monthly from now on. The magazine is produced with a typewriter and we take our own screenshots straight off the Spectrum. We usually photocopy about 160 issues which we sell at school and in a couple of computer



Four Eds are better than one. Here's the team making an Impact on the Spectrum scene. From left to right: Mat Johnston, Simon Waters, Kirk Weddell and Matt Clayton. Unfortunately, he's invisible.

shops. Our biggest problem is getting software houses to give us review copies of games." If you're interested in getting your hands on a copy of *Impact* write to *Impact Publications*, 94 Rainsborowe Road, Colchester, Essex CO2 7JS. It'll cost you 40p and a stamp.



A simple but effective eye-catching cover that works well in black and white. The coverlines are just right - concise but informative. Perhaps the *Impact* logo would stand out more with a sharper design.



Here's one of the review pages. There's plenty going on and the slanted text with the scroll-like effect looks good though the headings could be a bit stronger. Annotated screenshots really add something and make the whole review more interesting. Though a bit wordy, the reviews are well written and informative and best of all there's a neat little Icon Graphic Symbol Key that you can fold out to help you with the scoring system.



# COMPO WINNERS

## Antiriad Compo

You're an eagle-eyed lot! Sure enough, loads of you spotted that there were 12 differences in the Antiriad compo in the November issue of *YS*. The winner wins a signed original cartoon by Dan Malone and a copy of Palace Software's *Sacred Armour Of Antiriad* game, while the thirty runners up get a copy of the game each.

**Winner:** Michael Chandler of Bridge of Weir, Scotland.

**Runners up:** Mark Burgess of Winsford, Cheshire; Spencer Whyte of Weymouth, Dorset; A Green of Glenrothes, Fife; George Morton of Banbridge, N Ireland; David Williamson of Washwood Heath, Birmingham; David Taylor of Bridgend, Mid Glamorgan; Ravi Deacer of Carlisle, Cumbria; Anthony Johnson of Willesden Green, London; Paul Olley of South Shields, Tyne and Wear; Andrew Ward of Whitchurch, Bristol; Andrew Bunton of Peterborough, Cambs; Steven Miles of Wadebridge, Cornwall; Ian Doggett of Ipswich, Suffolk; Stuart Lee of Linwood, Scotland; Mark Reddick of Ayr, Scotland; A Wibberley of Belfast, N Ireland; Billy Wrighting of Winchester, Hants; Tony Desert of Garston, Herts; Robert Mellor of Huddersfield, W Yorks; Lars Stokholm of Copenhagen, Denmark; Daniel Nilsson of Tygelsjö, Sweden; James Grimes of Dublin, Eire; John Marshall of Heywood, Lancs; Adam Mayer of Liss, Hants; Harold Good of Wirral, Merseyside; Mark Docherty of Burscough, Lancs; Michael Wilkes of Solihull, W Midlands; Chris Whitehead of Rochdale, Lancs; Pamela Sellick of Abingdon, Oxon; Allan Stephens of Cardiff, Wales.

## Star Trek Compo

"Analysis, Mr Spock, what do you make of this?" "Highly illogical Captain. Someone's won a Vulcan. Do they mean me!" (They surely do! Ed). "No Mr Spock, it's a Vulcan guitar, and it's the first prize in the *YS* compo. The 30 runners up get a copy of *Star Trek* the game and a *Star Trek* T-shirt each."

**Winner:** Paul Martin of Birdwell, S Yorks.



**Runners up:** Steve Pullinger of St Leonards, E Sussex; Dean Fisher of Nottingham; David Hosier of Hove, E Sussex; Tim Mitchell of Blackburn, Lancs; T Park of Wishaw, Lanarkshire; M Monaghan of Dublin, Eire; Edward Robinson of Liss, Hants; Alan Thorne of Stockton on Tees; Sam of Tottenham, London; M Usher of Offerton, Stockport; S Martin of Romney Marsh, Kent; P Armstrong of Tooting, London; Paul Walsh of Prestwich, Manchester; William Brown of Dumfries, Scotland; Stephen Henstead of Wigan, Lancs; Kevin Jones of Fishponds, Bristol; Georg Madsen of Hammershøj, Denmark; Peter Andrews of Swanage, Dorset; Mark Butcher of High Wycombe, Bucks; Nicholas Brinn of Canvey Island, Essex; A Phillips of London; Noel Wallace of Wandsworth, London; Martin Alexis of North Woolwich, London; Michael Wilson of Walsall, Staffs; Colm Andrew of Hyde, Cheshire; Kevin Etheridge of Dundee, Scotland; Danny Silva of Crowhurst, E Sussex; J Riddell of Herne Bay, Kent; Tony Marshall of Heywood, Lancs; Tim Smith of Sittingbourne, Kent.

## Rogue Trooper Compo

Borag thungg, earthlets! Absolutely splundig – that's what Tharg the Oid thought about your entries to the Rogue Trooper Compo. He finally picked out the winner and the thirty runners up, though. And they were:



**Winner:** Darren Fowlen of Nantwich, Cheshire.

**Runners up:** Andrew Ray of Maidstone, Kent; Susan MacNeil of Clarkston, Glasgow; Peter Savage of Milton Keynes, Beds; Marianne Ackroyd of London; Howard Lazarus of Old Portsmouth, Hants; Petteri Torvinen of Helsinki, Finland; Robert Norton of Wolverhampton, W Midlands; Martin Edge of Ventnor, Isle of Wight; Steve Burrows of Wallington, Surrey; Guy Maile of Clynderwen, Dyfed; Toby Dickenson of Newcastle upon Tyne, Tyne and Wear; Dave Trevor of Guildford, Surrey; Roy Pittendrig of Morpeth, Northumberland; Chris Rose of Salisbury, Wilts; Stephen Roe of North Yate, Bristol; M Drake of Croydon, Surrey; Darren Ross of Sunderland, Tyne and Wear; Allan Dixon of Hull, Humberside; Steve Friel of Highams Park, London; David Poole of Borehamwood, Herts; S Collins of Mitcham, Surrey; Kate Reid of Edinburgh, Scotland; C Moore of Intake, Sheffield; Adam Featherston of Swinton, Manchester; Jason Crossland of Manchester; John Dourish of Gateshead, Tyne and Wear; I'm a dirty old man Shaw (Too right son! I've read your entry. Ed) of Nailsea, Avon; Lisa Gilbert of Maidstone, Kent; Victor Bell of Clifton, York; Andy Prendergast of Clayton Bridge, Manchester.

## Jewels Of Darkness Compo

Just like clockwork! That's how the Jewels of Darkness Compo went. There were ten differences between the pictures, and these eagle-eyed people spotted just that! A swish, Swiss, Swatch watch is on its way to each of them.

**Runners up:** Bryan Steele of West Drayton, Middlesex; George Elliott of Magherafelt, N Ireland; Dennis Ruddick of Newcastle upon Tyne, Tyne and Wear; Tristan Lloyd of Maidenhead, Berks; Paul Warren of Ilford, Essex; L Barrass of Balby, Doncaster; A Hulmes of Altrincham, Cheshire; Wayne Birch of Caistor, Lincs; Sweyn Simpson of Inverness, Scotland; Nicholas Clark of Wisbech, Cambs.

## Wet T-shirt Compo

We told you there was no need to get shirty, didn't we? These ten winners didn't, and came up with the right answer of (b) Van Heusen, to win twelve wonderful T-shirts. No washing for a whole year! Wheeeeeee!

**Runners up:** Wayne Brill of Ipswich, Suffolk; Nick Reeves of Weston super Mare, Avon; Daryl Parson of Purfleet, Essex; Jane Wright of Greenhills, East Kilbride; Anthony Bradley of Stirling, Scotland; Alex Nicholls of Minhead, Somerset; Trevor Wright of Melton Mowbray, Leics; Julian Mawson of Guiseley, Leeds; Sloan Kelly of Girvan, Ayrshire; Barrie Day of Rayleigh, Essex.

# 24 HOUR

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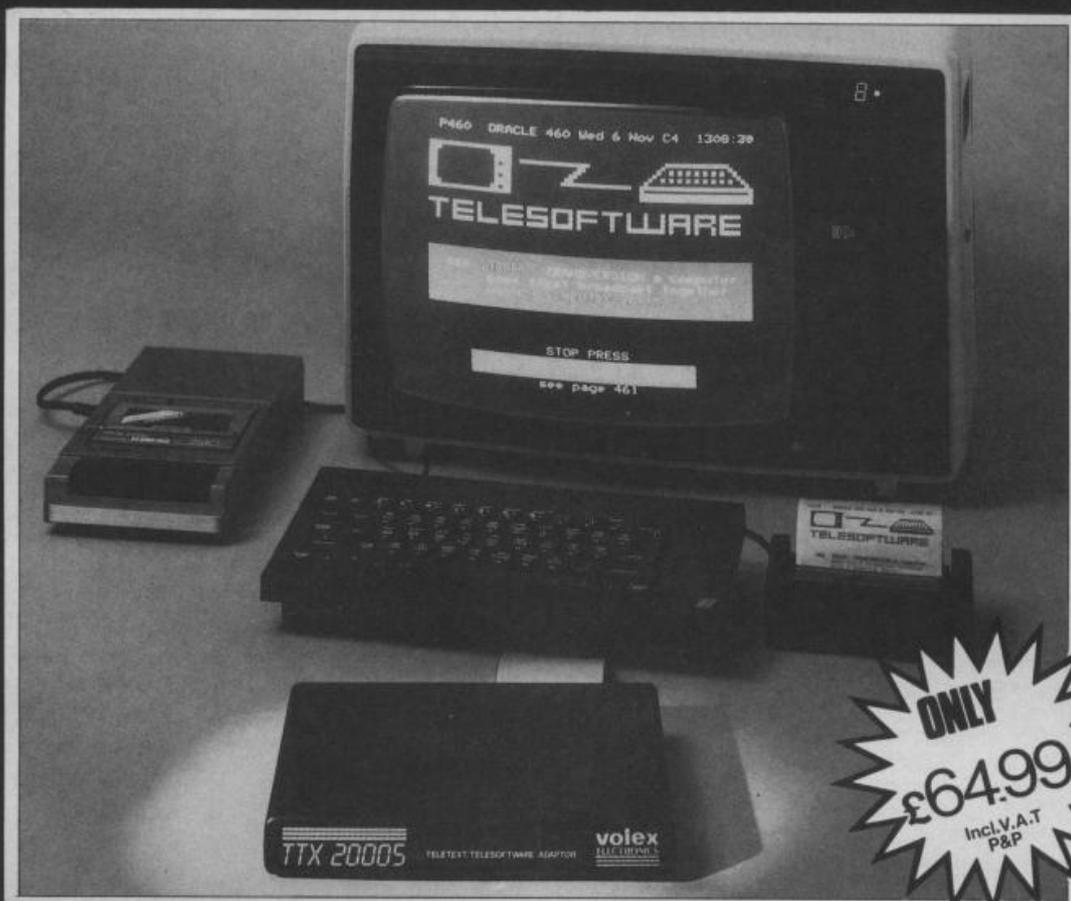


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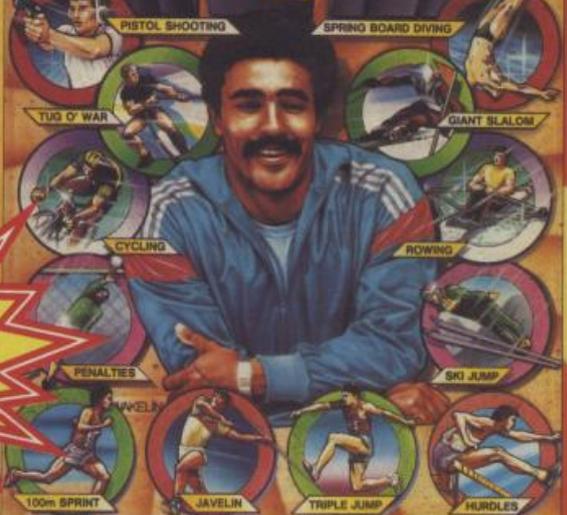
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## WANTED

■ **Wanted** — *Paperboy*. I will swap any of these games for it — *Hypersports*, *Starion*, *Chuckie Egg II*, *Rock 'n' Wrestle*, *Sold A Million*, *Nick Faldo's Golf*, *Yie Ar Kung Fu* or *Way Of The Exploding Fist*. Write to Neil Foster, 76 Julian Avenue, Acton, London W3 9JF.

■ **Wanted** — *Bobby Bearing*. Willing to swap for *Zorro*, *Bruce Lee* and *Frank Bruno's Boxing*. Phone Jamie on (0822) 412598 or write to 7 Trevor Avenue, Great Wyrley, Cannock, Staffs, W Midlands.

■ **Wanted** — *Phoenix* by Megadodo. Will swap for *Splat*. Also want any horse racing prediction software. Please hurry, it's urgent. Write to Gordon Watt, 34 Charles Crescent, Carlisle, Lanarkshire, Scotland ML8 4NG.

■ **Wanted** — Interface I, microdrive (with cartridges) for *Super Cycle*, *Top Gun*, *Hunchback III*, *Tir Na Nog*, *Dun Darach*, *Ghosts 'n' Goblins*, *HOTM*, *Blue Max*, *Spitfire 40*, *Knight Lore*. I also want a light pen for *Pentagram*, *He-Man* and *180*. Phone after 5pm on (0637) 878980 and ask for Martyr.

■ **Will swap** *White Lightning* and *MCoder II* for a light pen. Also swap over £50 worth of software for VTX 5000 modem. All for 48K. Games include *Uridium*, *Green Beret*, *Firelord* and lots of POKES. Please write to Wally Brown, 15 Lingdale Road, Bilton Grange Estate, Hull HU9 4LE.

■ **Wanted** — ZX printer. Will pay £15. Also wanted Multiface I, swap for *GAC*, *Dracula*, *Gauntlet*, *Dan Dare* and *Lightforce*. Phone (0554) 890237 and ask for Gethin.

■ **Wanted** — complete AMX Mouse. The cheese you get is 20 top games including *Uridium* and *Gunflight*. Phone (0484) 862027 after 5pm and ask for Jonathan.

■ **Wanted** — *Southern Belle* or *Gauntlet*. Offer *Commando*, *Nightmare Rally*, *Winter Sports*, *Highway Encounter*, *Juggernaut* or *Daley's Supertest* and 180. Will also add *Football Manager*. Please write to Sanjoh Sen, 4 Snipe Close, Holymoorside, Chesterfield, Derbyshire S42 7HD.

■ **Wanted** — 48K Spectrum (working order). Will pay £20. Write to Simon Stewart, Cross Keys Hotel, Biggar, Lanarkshire, Scotland ML12 6SD.

■ **Wanted** — brand new games. I have other top games. If you're interested, send your list for mine. All letters answered. Write to Morten Jacobsen, Rytvej 49, 3500 Varlose, Denmark.

■ **Wanted** — any printer. I will either pay £5 or swap for software. Write to Russ, 9 Ledbury Walk, Cottesmore, Oakham, Leics.

■ **Wanted** — printer and interface compatible with the +2. Swap for joystick interface, *Tapper*, *Cosmic Wartoad* and *Legend Of The Amazon Women*. Phone (0904) 35726 (and ask for Paul).

■ **GAC wanted**. Will swap for any four of *Avalon*, *Match Day*, *Pitfall II*, *Zaxxon*, *Wriggler*, *TLL*, *Technician Ted*, *Starion*, *Pylamara*, *The Prize*, *Full Throttle*, *Project Future*, *Ghostbusters*, *DTD* or *Skoolzaze*. Write to Tor Harald Naeudal, Stativ 9A, 5300 Kleppesto, Norway.

■ **Volex TTX 2000S** Teletext adaptor. Will swap for *Gold Collection II*, *Winter Games*, *Rally Driver*, *Rambo* and *The Sold A Million*. Please write to Gordon Watt, 34 Charles Crescent, Carlisle, Lanarkshire, Scotland.

■ **AMX Mouse** or similar. Will swap for *Marsport*, *Fairlight*, *Nightshade*, *Actro Clone*, *FGTH*, *Dambusters*, *Nodes Of Yesod* and *Now Games I*. Phone (08675) 6404 after 6pm and ask for David.

■ **Wanted** — any joystick, especially *Quickshot Turbo*. Phone (0968) 77292 after 5pm and ask for Russell.

■ **Wanted** — a reasonable joystick, preferably *Quickshot II*. Will swap for *Quazatron*, *Rasputin* and *Styx*. Please write to Wayne Clayton, 17 Hungate Lane, Filey, N Yorks YO14 0NP.

■ **Please help!** I need a Speccy rubber keyboard — like urgent, man! I'm not a hippy and I'll pay up to £3.50. Phone Neil on (0422) 203739 after 4pm.

■ **Will swap** a Kempston Mouse and *Art Studio* in vgc for Multiface I. Must be in good condition. Please write to Jason Young, 121 Gracedieu Road, Loughborough, Leics LE11 0QF.

■ **Wanted** — wafers for *Rotronics Wafadrive*. Will pay up to £2 a wafer or will swap software. Please write to Andrew Langley, 22 Brynheulog Terrace, Machen, Gwent NP1 8GB.

■ **Swap my Rotronics Wafadrive** and *Ram Turbo* joystick interface and joystick (all still in boxes) for an Opus Discovery disk drive in good nick. Phone Leeds 686916 after 6pm and ask for Jason.

■ **Wanted** — any hardware and peripherals for Spectrum. Swap for software. Phone 091-488 7789 and ask for Steven.

■ **I would like to buy these books quickly** — *Mastering Machine Code*, *Machine Code Language For Absolute Beginners*, *Complete Rom Disassembly*, *How To Program The Z80* and *40 Best Machine Code Routines For ZX Spectrum*. Please phone Leabrooks 608926.

■ **Wanted** — Multiface I (current version). Swap for some of the following: *Starglider*, *Lightforce*, *Uridium*, *Fat Worm*, joystick interface and others. Please write to Lee Hodgson, 54 Church Street, Tewkesbury, Glos GL20 5RZ.

■ **Wanted** — *The Planets*, *Space Harrier*, *Great Escape* or *Top Gun*. Will swap for 20+ games of your choice. Write to Gary Brighton, 111 Studlands Park, Newmarket, Suffolk CB8 7AP.

■ **Wanted** — a ZX printer. Will pay £15 for one in good condition (and paper if possible). Phone (0782) 658951 after 5pm and ask for Mark.

■ **Wanted** — Alphacom 32 printer with paper for eight games. Pick from list including *Great Escape*, *Pyarcuse*, *Boulder*, *Paperboy*. Write to Stuart Steele, 9 Denham Crescent, Mitcham, Surrey CR4 4LZ.

■ **Wanted** — has anyone got *Critical Mass*, I'm desperate to get hold of it. I'll give you *Commando* or *Starstrike II* as well as *Xcel*. Phone 041-954 9393 and ask for Kenny.

■ **Saga keyboard** for Spectrum. Will swap *The Eidolon*, *Emerald Isle*, *The Rats*, *Minder*, *I Of The Mask*, *Zoom*, *3D Bat Attack*. Write to Ray Nurden, 57A Gaer Road, Newport, Gwent.

■ **Wanted** — ZX printer and paper. Will swap for *Sam Fox*, *Blue Max* and two Mastertronic titles. Please write to Nigel Barclay, 3 Queens Avenue, Broxburn, West Lothian EH52 5RS.

■ **Wanted** — Kempston interface. Will give *Quill* and *Illustrator* with instruction books. Write to R Stevens, Flat 9, Garden Cottages, Saundersfoot, Dyfed SA69 9LR.

■ **Wanted** — ZX printer which works (*Often helps Ed*) and comes with paper. Contact Derek Sergeant, 23 Greyfriars Road, Broughton, Brigg, S Humberside.

■ **Wanted** — *Price Of Magic*, *Vera Cruz* and *Boggit*. Swap for *Zoids*, *Ghosts 'n' Goblins*, *Dragonator*, *Batman*, *Robin Of The Wood*, *Arc Of Yesod* or *Spiderman*. Phone Julian on (0705) 375583.

## MESSAGES, CLUBS & EVENTS

■ **Here is a great offer!** Send an sae to me and receive a great fanzine. First issue free. It's a great way to exchange everything for your Spectrum. Stuart Robertson, 55 Dundee Road, Perth, Scotland.

■ **445 POKES** only £1. Write to G Edwards, 19 The Maltings, Kings Langley, Herts WD4 8QL.

■ **Hello there!** I hope you are alright. Have fun — see you soon. Bye. Chris Counsell.

■ **Having recently purchased 128K+2** with serial 8056 printer I would like to exchange problems, ideas etc with similar person. Interests — utilities, programming. Write to Terry Brown, 14 Woodlands, Darras Hall, Ponteland, Newcastle upon Tyne NE20 9EU.

■ **United were lucky**. City are the pride of Manny. Wait till March. Lianne is amazing. I hate Reds and Scousers. Vally and Housty are deranged. So am I. Hoggly, Romley.

■ **Would anyone who knows the whereabouts of my old friend Anne Gerry**, 16, who used to attend Cottesmore School in Hove, please contact Gina Perry, 1 Milcote Avenue, Hove, E Sussex BN3 7EJ.

■ **Humour! Satire! Potatoes!** 10p plus stamp to Dave, 19 Chequers Park, Wye, Ashford, Kent for the latest *Amateur Parapsychologist Monthly* — the 'zine with no logical explanation! (Where's my biscuit?)

■ **Yo, folks**. Don't worry 'cos Stu's here. A very big Hi to Pilch, Matt, Fish, Tom, Ann, Joel, Joe Boy, Julie and Nik. Me Speccy's bust (again). Vektor's coming... when my CPU is fixed, so you'll have to wait. Stu Green, York.

■ **Spectral Guardian Angels** competition number 14. Winning solution is 4712. Angel 263 please contact Angel 1 for your top ten Spectrum games. Angels logon — Hto, Unvoq Vauko, Egok, Poko, Pekhuaj. (*I can't believe I'm reading this!* Ed).

■ **Dearest Claire**, I love you lots, honestly. Love Yak Doo. Up with the HDPC. Get well soon Fred Basset. Kill Sid and the squirrels.

■ **To Barry** from Sutton Coldfield. Sorry but I haven't got the mags you wanted. (I'm replying through YS 'cos my mum threw away your letter). From Paul of Folkestone.

■ **Music Manager** — the latest play by mail with the best ideas. Write to Mr Jenkins, 3 Aspen Close, Wootton Bassett, Wilts for details.

■ **Modem owners**. Send me a list of at least ten bulletin board eci numbers (including times, protocol) and I will send you a list exceeding 350! Mark Waller, 149 Helensburgh Road, Dunedin, New Zealand.

■ **Dave** needs your POKES and tips. Top prices paid. Send them to Dave Gorham, 52 Hamilton Road, Kings Langley, Herts.

■ **Virgin Game's Horse Racing Manager**. Will swap for any two of a selection of top titles. Please write to Martyr Leaf, 72 Ribblesdale Road, Long Eaton, Nottingham NG10 3JH.

■ **Own a Spectrum?** Want to win £1000? If the answer is yes send an sae for more details to Katrina Wright, 159 Welbeck Crescent, Troon, Ayrshire KA10 6AP.

## PEN PALS

**Come on you lot. Surely you're not that shy? You'll stand a much better chance of finding your heart's desire if you get your photo printed. Go on, give it a try! What have you got to lose!**



■ **I'm 13 and urgently want a penpal** (male or female). Interests are computers, football and pop music. I have over 200 games. Please send a photo. I would like to know how to use POKES. All letters answered. Keith McConnachie, 321B Great Northern Road, Woodside, Aberdeen, Scotland AB2 2AS.

■ **Lonely 14 year old boy** looking for shy attractive female aged 12-16 in the London area to swap games. Please enclose a photo. Write to Toby Murray, 41 Hoxton Street, Shoreditch, London N1.

■ **15 year old +2 owner** wishes to swap software — 150 games to swap. Please include a list of your games and write to 6 Marks Avenue, Chipping Ongar, Essex CM5 9AY.

■ **Mad male Speccy owner** into all games wants male/female penpal, about 14-15 years old to swap game and tips. Must like music and have a sense of humour. Write to Mark Rogers, 21 East Street, Greytown, Wairorapa, New Zealand.

■ **I'm looking for a 16+** penpal interested in arcade games and good music. Send your list for mine and a photo if possible. All letters will be answered quickly, so get writing to Justin Webb, 8 Waylen Street, Reading, Berks RG1 7UR.

■ **16 year old male** seeks penpal (preferably

female) for software swapping, correspondence, hints and tips etc. All letters answered. Write now to Neil Moulding, 46 Park Avenue, Allerton Bywater, Castleford, W Yorks.

■ **Male**, 13, would like a good looking female 13+ to swap hints, games and other stuff. Interests include football (especially Chelsea FC). Must live in London. Write to Darren Westwood, 133 Phyllis Avenue, Motts Park, New Malden, Surrey KT3 6LB.

■ **I am 12 years old**. I would like penpals of around the same age to swap hints and software with. Please write to Jeremy Holmes, 4 Charnwood Road, Salisbury, Wilts SP2 7HT.

■ **Hi! Fun loving 16 year old female** seeks 16-19 year old male (preferably not Speccy mad). Likes most pop groups and enjoys going out and about. Write to Corinne Wilkinson, Wyandotte Inn, Park Road, Kenilworth, Warwickshire CV8 2GF.

■ **Penpal wanted**. Write to me now if you are human, aged 13-15, like Species, martial arts and music. Males, females and aliens welcome. Alistair Wade, 117 Blachford Road, Ivybridge, Devon PL21 0AE.

■ **I am a 15 year old boy** who would like to get in touch with Speccy owners from all over the world. Please write to me. Vidar Vassli, Hoelsand, 6600 Sundalsers, Norway.

■ **Hi! Female penpal** wanted aged 12-13. I'm into computers, RPGs and music. Write to Ian Hogg, 16 Polmont Road, Laurieston, Falkirk, Stirlingshire, Scotland.

■ **13 year old** seeks Speccy mad teenager (13+). I have the latest arcade games — *Gauntlet*, *Uridium* etc. I have a 128+2. Write to Nick, 79 Burns Road, Wellingborough, Northants NN8 3RP.

■ **15 year old girl** wants male penpal of about the same age. Interests include drama and Marilyn Monroe. Write to Joanne, 6 Langley Close, Sandbach, Cheshire CW11 0YJ. Please send a photo too.

■ **Lonely 17 year old male** seeks female (16-17). Good sense of humour, likes music, computers and having a good time. Would prefer replies from a nearby area or possible the same town. Write to Steven Farmer, 72 Plumbe Street, Burnley, Lancs BB11 3AW.

■ **A lonely Speccy owner** needs a female quickly. I like Madonna, shoot 'em ups and going down the arcades. I would be pleased if you could send a photo too. Write to Matthew Lanzon, 53 The Curve, Peel Common, Gosport, Hants PO13 0RA.

■ **Please write to me**. I have stacks of software and POKES (400+ games). Please write to Peter Machen, 23 Ridge Road, Hillcrest, 3610 Natal, South Africa.

■ **I have over 800 titles** and would like a penpal to swap with. Send your list for mine, all letters answered. Please write to Paavo Mottonen, Lasimestarintie 36, 67300 Kokkola 30, Finland.

■ **16 year old boy** wants to swap games and other things with people all around the world. Send your list for mine to Guillermo Peruch, La Sequia, 20-Vila Nova de Castello, 46270 Valencia, Spain.

■ **11 year old boy** would like a female penpal aged 11-13. Must own a Speccy. Will swap software. Write to Lewis Hill, 2 Price Road, Friar Park, Wednesbury WS10 0EY.

■ **Anyone who has a +2** and is learning machine code, please write. Male or female, aged 15-17. Must be mad about computers (if you see Mike, tell him!) Write to Tim Hewitt, 8 Mile Planting, Richmond, N Yorks.

■ **15 year old male** seeks good looking 13-17 year old female Speccy user. Please send photo. Simon Read, 3 Charnwood Drive, Fordingbridge, Hants SP6 1LE.

■ **14 year old boy** seeks attractive girl aged 13-16. Must have a Speccy. Please send a photo. Write to Darren Regan, 8 Beaufort Road, Great Moor, Stockport, Cheshire SK2 7LU. Must live in Britain.

■ **I am a 21 year old 128+2 owner** who wants to swap letters, 48K and 128K software and tips. Send lists to M Hurley, 23 The Crescent, Curraheen, Bishopstun, Cork, Ireland.

■ **Hi! I'm 12 years old** and seek a penpal interested in computers, football and music. About the same age as me. All letters replied to. Write to David Gillilan, 5 Kielder Close, Newsham Farm Estate, Blyth, Northumberland NE24 4QH.

■ **23 year old Speccy basher** wants to swap games, hints, tips or whatever. I've only owned a Speccy for three months. Write to Ian Powell, 41 Falcons Way, Mytton Oak Farm, Copthorne, Shrewsbury SY3 8ZG.

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