Britain's best-selling commodore 64 mag!
cOT A $64 ?$ * THEN GET THIS

THE:-7H CUMES!

THI : : - Ju Toche
strei ful game

- GORTA Full adventure THRUST FULL GAME RR.O.E.IO FULL UTLITY filseo Pokiel
\%if Commodore


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the killer sequel everyone's been waifing for?
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## 4 POWFR Pacr

"Do you get wafers with it?"
Of course you don't wafers with it! It's a Power Pack featuring three full games, 80 POKEs and a full sprite-design suite. For all the info you'll need turn to page 4 . "Fair enough, what flavour is it?"

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Zeppelin
The return of the C64's latest action hero. Is it a blockbuster or a blowout? It was a tough mission but CF had to find out.

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## Zeppelin

Furious face-punching fun or sad cynical satire? Zeppelin's pastiche puncher hits town hard.

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An M25 simulator - without the traffic! A racing simulator - without the fun?!


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FIST FICHII:R
ZEPPELIN
WHERNATONAL

## TRUCK RACING

ZEPPELIN
TROLLS FLAIR

STONE ACE
GRAMDSLAM

## WORID CHAMP SOUASH

ZEPPELIN

## SPECIALS

## FROST INSTRUGIONS

All the info on the stunning sprite
designer on this month's Power Pack.

## PULL-oUI

## ARNIE 2 POSTER

With Special Forces-type facts on one side and a huge ARNIE pic on the other!

## LTI'S MAKE A MONSIER

Apex Productions make Monsterland even more 'mayhemic'

## THE ULTIMATE

## SHOOT-'EM-UP?

What makes the greatest blasters ever to grace the C64 the greatest?

## R=लUMAK

## TAPE PACES

Totally thorough tape talk. PREVIEWS
What's up doc? SNIPPEIS
The shape of things to come.

## SCANNER <br> Budget blip-o-rama!

## chazis

Who's sold out?

## CAMEBUSIFiS

Mel Gibson? Cheat? Certainly!
YOUR LEIIERS
The Meaty Bairn answers back.
IECHII IIPS
Jason Finch - the techie equaliser!
REVIEWIERS INHRO
Us looking 'ard.

## BUDCZ cAMES

Sayonara Roger san!
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The future - NOW


## FULL GAMES

## HRUST

Nick the pods and destroy the planets.
Side two, tape count 60
Keyboard controlled
A - Rotate ship anti-clockwise.
S - Rotate ship clockwise.
SHIFT - Thrust.
SPACE BAR - Activate tractor beam/shield. RETURN - Fire.

## COYRA

Erm, you don't use the joystick at all. You have to type things in on the keyboard. It's a TEXT adventure you see - just read what comes up on screen and type in what you want to do. There's a more detailed explanation of some commands you could try in the main instructions. Side one, tape count 050

## SIIE:

Destroy the ship's defenses by collecting cartridges and sticking them in the cartridge slots in the cartridge room - but you have to activate the slots first!
Side two, Tape count 000
Joystick port one
UP - Go through door.
DOWN - Go through door.
LEFT - Move left.
ii) RIGHT - Move right.

FIRE - Fire.
W UP + FIRE - Increase energy at refuelling point.

1) DOWN + FIRE - Decrease energy at refuelling point.

## FULH UILIIY

## FROSt

Format's Really Original Sprite Thingy is a specially-written sprite creation program that's a hoot to mess about with even if you don't want to create a sprite. The Instructions are a bit too complex to summarise here so turn to page $\mathbf{2 8}$ for the complete lowdown.
Side one, Tape Count 000

## 80 POKIES

## MULIHACK POKES

Head to the top of the High Score tables on 80 games thanks to our labour-saving, easy load Multihack POKEs. Infinite life has never been so achievable.
Side two, Tape count 90


So how do all those dead brilliant programs we've given you on our cover tape work, then? That's what Clur's just about to reveal over the next four $11 / P 72$

1
he year is 2381. Our descendants' lives have long been controlled by an evil Empire. But a band of rebels... (Snip! Clur's doing her frustrated SF author bit again. If she gets carried away this could go on for ages. All you need to know is that you fly a little ship and you've got to collect some pods. Okay, back to the plot -Ed).

On each planet there are limpet guns which you have to disable; fuel which you can pick up for extra points; the power pod which you have to collect to complete the mission; and power plants which look like chairs with big bubbles on them.

The controls are pretty straightforward: ' $A$ ' and ' $S$ ' steer your ship and any shift key turns on the thrust. But steering is complicated by a strange, mysterious force known as (drum roll) GRAVITY! (Okay, it's not that strange, but you don't find it used in many games.) If any part of your ship, or anything it's carrying touches the planet's surface-KABOOM!

Firing at the power plants by pressing the Return temporarily disables the

limpet guns; the
more shots fired at the reactor the longer the guns take to re-arm. BUT (and that's a big but, you can tell by the fact we've written it in capitals) the reactors will only take so much. They become critical if you hit them too many times, at which point they start to flash and you have 10 seconds to vacate the planet. Otherwise... BOOM! You don't have to destroy the power plants to complete a level but it does give you mucho bonus points.

To collect the fuel cells and pods, hover above them, activate the tractor beam by holding down the Space bar and then pour on the thrust. As soon as the automatic tow bar has fixed itself to the object you can release the Space bar.

When you've coltected a pod, fly up into the stratosphere and you're warped to the next planet. As you progress, further into the galaxy you'll encounter strange things like planets with reverse gravity. And the one thing you'll definitely discover is the reason why the game Thrust is regarded as a true classic.

## VITAL Stantsix <br> GAME <br> THRUST

ORIGINAL RELEASE DATE MAY 1986 ORIGINAL LABEL

FIREBIRD MUSIC BY ROB HUBBARD GENRE SPACE ADVENTURE DIFFICULTY DEAD 'ARD


Your job is to steal the pod from the
Empire's base then destroy the planet.
empire's base then des

# TAPE PAcES 5 



WAREMOR-SMOE pasist OnIE

welcome ye all to Parte the Firste of an exciting tale which shall grace the wondrous CF Power Pack for three months hence. For 'tis a great and... oh, blow this olde worlde nonsense. In plain English, on this month's Power Pack you'll find the first part of Corya, a text adventure, the next two parts coming up in issues 33 and 34.

If you've never played a text adventure before check out the accompanying box for a few hints on how to get around. Done that? Good. Then here's the plot:

Upon the holy mountain of Tannel-AnUthen stands the citadel of the Ancient

## DO AS I SAY!

The game is keyboard controlled and you have to type in brief instructions to tell the it what you want to do. Here are a few you can try (just type 'em in then press return):
E-Go East.
W-Go West.
S-Go South.
N - Go towards chillier climes.
U - Go up.
D - Guess.
GET (followed by an object) - pick up the named object.
SAY (followed by what you want to say)to say what you want to say.
X - Examine.
I - Inventory, or what you're carrying around with you at the moment.

*     - Appear in a West End musical. The rest you'll have to discover yourself. Look, we're not going to spoon feed you, and it's all part of the fun, honest!

Ones, a fortress impenetrable by normal means. Within a few priests, taken from their families when young, are taught the ways of the Warrior-Sages. (Someone's been OD'ing on Lord Of The Rings-Ed).

Seldom would a priest re-enter the world of man, but this is the tale of one such priest, Corya the Warrior-Sage. Having left the mountain, he travelled in the realm of Tannan for many years. Knowledge of a Warrior-Sage leaving the mountain spread like wild-fire throughout Tannan. But seldom was he seen, unless the need was great.

One chill evening in the tiny hamlet of Brmahal the villagers sat around a huge fire in the Tavern, listening as merchants told of tales of terror. One also told another tale: "I have heard of a dragon once more in the mountains, a horrific beast that has awakened from a deep sleep."

Barley, the innkeeper, shut the tavern a little before midnight and settled down in his favourite chair. Exhausted from a hard day's work (not the heavy drinking? - Ed) he dozed off.

Loud screaming from the village woke Barley with a start. He got to his feet and ran outside the tavern. Everywhere villagers ran aimlessly through the

## WOT, NO LEMMINES?

Commodore Format regrets to announce that due to the wrong type of leaves on the track the Lemmings demo has been unavoidably Power Pack as soon will be arriving on this any inconvenience, but possible. CFregrets any inconvenience, but the Lemmings has NOT



This might be a clue, but it might be a red herring. How mean do you think we are?
burning remains of their homes, all trying to escape from something - but what? Barley heard a screech and turned. Horror gripped him as out of the sky swept the dragon. The last thing Barley ever saw was a ball of white hot flame roaring towards him. At first light the true cost was apparent. Three quarters of the village was burnt to the ground. The surviving villagers gathered at the great hall, itself now without a roof, but as safe a place as any. There they prayed for help, for a miracle..

And that's where you come in. You get the starring role - no, not the dragon, Coyra - and you've got to find a way of saving the village. So go and discover the magic Hose Pipe of Hoorath-Haal and douse the dragon (or some such nonsense).

## VIML STAISIX GAME <br> CORYA,

ORIGINAL RELEASE
ORIGINAL LABEL MARCH 1993 PROGRAMMED BYANTHONY COLLINS PGO GENRE DIFFICULTY

TEXT ADVENTURE MEDIUM TO HARD

## the fodisk

Disk drives are dead good, aren't they? None of that dull old waiting around for tapes to load while your screen inces. So if you've 'hypnotising' sequence from a camp 60s spy seris. DISK version got a disk drive put it to goout out the coupon from the inside of of Power Pack 32. Simply cut our the address on a piece of the tape inlay card. Write your (payable to Ablex Audio Video) paper and send it with a cheque (payabs the cost of duplication, or Postal Order for $£ 1.50$ (which covers the postage and packaging) to:

CF32 Tape To Disk, Ablex Audio Video Ltd, Harcourt,
Halesfield 14, Telford, Shropshire TF7 4QD.


If your tape isn't loading perhaps it's your tape heads. Try loading a few games that you know work then adjusting the head alignment screw on your datassette. Still no good? Okay, it's probably the tape itself, then, in which case just pop it into a padded envelope along with an SAE, seal it up and send it to: CF32 Tape Replacement, Ablex Audio Video Ltd, Telford, Shropshire TF7 4QD.

## TMPE PacEs

$i$ight, since Trent moaned about my last masterpiece (haht - Ed), I won't bother telling you the plot behind this one. You're getting the bare minimum facts you need to play the game and that's it. If you want a plot make it up yourself, and don't blame me!

You control a robot, guiding it through a spaceship that's got a complex defence system you have to disable. Why? Well, you'll never know, will you. (Who's in a strop, then? - E() Hindering you is what seems to be an evermultiplying army of killer bots.

Deactivating the detence system is a complicated task. You have to find eight cartridges that are scattered around the ship and slot them into the eight cartridge slots in the cartridge room. But first you have to activate the cartridge slots. You do this finding a yellow terminal
get a clear shot at a big thing. Blast that, the terminal will turn red and one of the cartridge slots in the cartridge room will become active.

So now, if you find a cartridge you can pick It up, take it to the cartridge room (it you can find it, that

## So vinur Do uiose virseby Eoxas dos



This wibbly box will charge your run-down batteries for you.


And this type of terminal is the entrance to the sub-game.
low is active, while anything red is inactive). Connect to the terminal by pushing Fire and Up on your joystick this takes you into a sub-game in which you have to shoot your way through a lot of little things to get a



This is one of the cartridges. You can carry three at any one time.

Reberied
Ham EMME

 "园
\#


Once a slot is activated it turns yellow and you can slot in a cartridge.
is - the place isn't sign-posted) and stick it in the slot. You can carry up to three cartridges at a time.

You only have a limited amount of energy which is depleted every time you fire a shot or you're hit by one of the enemy 'bots. If you get a bit short on the old go juice, there are plenty of refuelling points around the ship in the guise of wibbly terminals. To boost your energy park in front of them, hit Fire and push your joystick up. Your energy level will grow but your score will decrease accordingly, so you have to decide whether the pay-off's worth it.

## VITAL STATISTIX

## GAME

ORIGINAL RELEASE
ORIGINAL LABEL
PROGRAMMED BY
STEEL

GENRE
ARCADE ADVENTURE DIFFICULTY
ere, for your delight and bedazzlement, we proudly present 80 Multihack cheat listings for your favourite C64 games. They've all been featured in Gamebusters before but now you don't have to do all that tedious typing in (and if you're anything tike me you'll make loads of mistakes anyway).

Just have the tape version of the game you want to POKE ready* and load up the

First select the game you want to use the Multihack cheat on, from a choice of 80 .


Multihack program. When the intro screen appears hit Space to get through to the game selection bit. Select the game you want to POKE using the joystick. Hit Fire and the you'll be prompted to insert the game tape and press play. Do that, and once the game has loaded, it'll be the new, improved, easier-to-complete version.


## CHECK OUT AL THESE GAMES YOU CAN HACK

The a complete list of all the games that are covered in the program:
The a complet 1985 - ATV Simulator Action Biker Crazy - Big Foot - Big Nose's USA Adventure - BMX Racers •
 BMX Simulator - BMX Simulator $2 \bullet$ BMX Trails © Bubble Dizzy © Bump Set Sike Jetski - Chiller - CJ in the USA - CJ's Elephant Antics © Countdown To Meitdown ©izy Panic - Excaliba - Destructo - Dizzy - Dizzy - Prince Of The Yolkfolk - Dizzy Down The Rapids - Dizzy Panic Excaiba - Fantasy World Dizzy • Fast Food - Finders Keepers - Formula 1 Simulator - Fruit Machine Simula -Grand Prix Simulator $\bullet$ Grand Prix Simulator $2 \bullet$ Guardian Angel $\bullet$ Hero Of The Golden Talisman © Hollywood Or Bust \& Human Race - Hunter Patrol © Kamikaze - Kane © KGB Superspy © Kwik Snax - Last V8 - Lazer Force - Little Puff - Magicland Dizzy - Miami Chase © Mic Lissa 3 - Poltergeist -- Moto-X - Mr Angry - Murry Mouse Super Cop - Ninja Massacre © Oil And Simulator - Race Against Prince Clumsy • Pro BMX Simulator • Pro Skateboard Simulator - Publlound Dizzy $\bullet$ Spike in Time - Rally Cross Simulator - Red Max - Sky High Stuntman © Spellbound Dizzy © Spike Transyivania © Super G-Man © Super hero Dizzy (Dizzy Collection) - Treasure Island Dizzy (Original) - Vampire

# TAPE PACES 7 

> DOES YOUR PROCRAM DESERVE TO BE ON THE POWER PACK?

So, you reckon you could whip up a decent bit of code? Think it's good enough to be on the Power Pack? Well, prove it. Send your latest creation off to us, whether it's a game or a utility (as long as it's good) and we could give you your (first Ed) 15 minutes of fame. Fill in this form and send it along with your program to: 'I've Got The Power', Commodore Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

LIMODES. Watch the STATUS bar at the top until it reads MODE: SET. If the keypress doesn't work move the pointer over the the big star's located - and try again.

STEP 4 Start to draw the sprite you want. To select a colour just press 1 (for the SPRITE COLOUR), 2 (for MULTICOLOUR 1), 3 (for MULTICOLOUR 2) and 4 (for the BACKGROUND colour). To erase the star press 4 to select the background colour, then paint over the bits you don't want. When you select the background (by pressing 4) this will change the MODE to TOGGLE. This will stop you switching colours, so first press F1 to SWITCH the MODE back to SET. and then choose your colour.


STEP 5 Work until you're happy with the stationary sprite image. Well until it's a bit better than this curious thing
STEP 6 Once you've finished, press N to advance to the NEXT sequential frame of this 'animated' this sprite. Draw the next step of

the sprite image's movement in this frame. As you draw, it's helpful to swap between this frame and the one you drew before by pressing P to see the PREVIOUS frame and N to see the NEXT frame. To lengthen the animation just keep adding frames by pressing N . STEP 7 When you're happy with all the frames in your sprite specim image's animated sequence, then move the pointer over the SPECIAL menu and press FIRE/RETURN. Move the pointer down to ANIMATE and press FIRE/RETURN.
 STEP 8 A blue window will appear. Type in the POINTER (Frame) number of the frame your animated sprite sequence begins with. Press RETURN and then type in the POINTER (Frame) number your sprite sequence ends at. When you press RETURN the sequence will animate. Good innit?
 SPACE to enter FROST Then, with either the joystick (in port 2) or the cursor keys, move the pointer over the top of the OPTION menu. Press FIRE or RETURN to pull down the menu. Run the pointer down to MULTI and press FIRE/RETURN. Then move the pointer off the menu and press FIRE/RETURN.
STEP 2 Move the pointer over the top of the OPTIONS menu and press FIRE/RETURN. Move the pointer over SPRITE and press FIRE/RETURN until you're happy with the colour. Move the pointer down over the COL 1 option and select the colour you want by pressing Fire. Repeat the process for COL 2 and BGKGND. Once you're happy, move the pointer off of the menu and press FIRE/RETURN.

| [883 | MODE [SEt | STEP 3 <br> Press Fi |
| :---: | :---: | :---: |
| EP3 |  |  |
|  | - |  |

## SEND US YOUR SOFIWARE:

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TYPE OF PROGRAM:

## YOUR NAME:

YOUR ADDRESS:
.

## DAYTIME TELEPHONE NO.

## DEClapation

Sorry, but we can't consider your program for publication unless you sign this declaration and send it to us with your program.

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## (10) PREVIEWS



## RAURNE

:et you're wondering where the hell Batman Returns is aren't you? We Previewed it a couple of months ago and you haven't seen hide nor hair of it since. Well we were wondering how it was getting along, too so I trudged all the way up north to Denton Design's fair offices to find out what had happened to it.

When I arrived the programmer, Roy Bannon, was hard at work on the menu bar of the game. He wasn't quite satisfied with the energy bar and was fiddling with the weapon selection display. The first two levels are virtually ready now - apart from the sound which will be one of the last things to be added the program. Roy's doing everything but designing the graphics, which are being ported directly from the Amiga game's graphics (the main sprite alone takes up 20 K of the 64's memory).

The last time we saw the game there was only the Batman sprite on screen. Now the baddies are there too. There are acrobats, clowns and bikers for Batman to bash the brains out of. Well as near to bashing brains
as you can get without committing murder. Y'see there's no blood in this game. If you hit someone enough, they run away - but they soon pluck up the courage to come back and attack you again.

The completion date for the game is estimated to be at the end of June. If nothing goes wrong we should have a demo on our Power Pack for you around that time too. So you can see for yourself the loveliness of the main sprite's animation. Watch this space.


## THE LONG-HAIRED CODER FROM IVERP®OL

What do programmers do for fun? What fills their time when they're not working? We asked Toy Bannon, Batman's programmer about this and other things.

So, how did you get into programming in the first place?
My big brother was a computer nut. He introduced me to programming. I actually got the job through an ad in the local job centre, believe it or not.

Which other games have you programmed on the C64?
I wrote World Class Rugby for Audiogenic and I've also done a few things for the Australian market.

What's your favourite game of all time? It has to be the original Elite on the / BBC micro. Fab game.
Now for the rapid batch of totally-useless-but-interesting-all-the-same-sort-of quezzies. What's your favourite food?
I like nothing better than a hot pastie and chips all washed down with a mug of steaming Mantunna.
wariligh
scainiti

## A mug of what?

Mantunna, it's a cheap brand of tea that you only tend to get around Liverpool. It's brown, strong and full of caffeine. Yum!
 taking it's place on the plat-
form of fame alongside Rainbow Island and Nobby the Aardvark.

The hero of the game is one James Pond, esq. gentlefish and superspy, who goes around wearing a suit of hi-tech armour. Not much of a disguise I'll admit, but when you're armour-plated, who cares if you're seen sneaking into enemy territory? No-one


## prisuinws (1)

 almost $£ 12$ and even then we raved about it. It's one of the all-time classic platformers,4
Unfortunately, fins don't grip as well as Nike Air Jorctars:
but the stupidest of creatures is going to bother you.

Each of the enormous 10 levels has a particular toy or sweet theme. The graphics are bright, brash, bold and, er, blimmin' nice. It's just the sort of thing that you need to cheer you up on a rainy Sunday afternoon. James himself has a range of different moves. In fact, I think he should lay off the tartrazine for a while - this fish never stops moving. Even if the he's not doing anything in particular he stands there wiggling.

If there was ever a game character I could fall in love with, this would be it (we don't want to know about your fetishes, thank you, Clur - Ed). I'm not going to let Roger get his hands on this one to review!

# Mian suavisil: 

James Pond 2: RoboCod

Game
Label
Contact number
Price Released

0216253388
Cass $£ 3.99$ End of April

Lfter the rush of beat-'em-ups that have had really fiddly joystick controls recently, it'll be great to get my hands on a real waggler of a sports game for a change. WWF was originally released in at the end of 1991, with an £11 pounds price tag. Now a year and a bit later the Hit Squad have swiped the game from their big brother company, Ocean, to bring it to you at a bargain price of $£ 3.99$.

WWF has the added advantage of featuring that multi-media star, Hulk Hogan. (By the way, have you seen Mr Nanny? Now that's a very sad movie, and I don't mean a tear jerker.) You can chose to control either Hulk, the Uitimate Warrior (with hair to die for) or the British Bulldog.

Each of the players has a different
worry if you're playing the computer it doesn't cheat and win every time).

Atmost the whole screen's taken up with the ring, so the players aren't so small that you can't tell what's happening - you want to be able to see the violence! This definitely looks a lot more fun than the toy-size plastic WWF rings you can get. (And while I'm on the subject, have you seen those imposter Action Men ${ }^{\text {w }}$ you can get now - they look more like Barbie's Ken, the wimps!)

favourite move, controlled via the joystick. If you end up in a grapple with your opponent, the only way to win is to waggle your stick faster than he can (don't


Here's the toughest bit. ceting in to the ring and still retaining some dignity.

## (12) PREVIEWS



We asked and you responded - by the thousands! Our Spring Clean Survey told us exactly what you thought CF was doing right, doing wrong and not doing at all. We've read the results of the survey, sat down, scratched our heads and have devised a fiendish masterplan to give you the Commodore coverage you deserve. The full details of our plan will be revealed in CF33 - in fact our fiendish masterplan IS CF33!

## NEW LOOK

The first thing you'll notice about Commodore Format 33 will be that it looks a little different. It became clear from the survey that you wanted a new look. So, after nearly three years, we're completely re-designing everything from the logo (you know the huge Commodore Format banner seen on the cover) to the tiniest page numbber. We thought we'd better tell you what

## YOU MICH NOT THINK ITS possibly, BUT THE BEST IS JUST ABOUT TO GE I BEMERH

were going to look like next month, though, so you'll know what to look for down at the newsagents!

And you'll also need to be stronger to buy Commodore Format, because we Il be moving up to slicker, smoother and 'heavier' paper. So in the interests of safety, if you get the mag delivered, please make sure that all your pets are clear of the letter box on 24th May - or they could get squished by the chunky cat-killer of an issue, if you catch my drift.

## MORE OF WHAT YOU ASKED FOR

The changes won't be all cosmetic - there will be some major modificatons to the editorial content (that means not only what we write but what we write about) too, but were not going to spill all our secrets in one go! But
there is one thing that will NEVER EVER change - and that's Commodore Format's commitment to the C64. This is, and will remain, unequivocal. Every change has been made to make sure that you get all the info for your computer, in an even clearer, crisper and crunchier way than ever before.

## Remember

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THE DFANIIVE CUDE TO THE BESTGJIDNC CGMSOMWARE


It used a special move to go straight in at number one four months ago, and this month Street Fighter 2 beats all-comers to remain the C64 world champ.


Doing a darned sight better in the 'board game transferred to computer' stakes than Trivial Pursuits is HoroQuest, straight in the Top Ten at number five.


If you do want to go around stealing artefacts belonging to ancient cultures you have to take the rough with the spear up the behind. Just ask Rick D.


Here Dave shows his complete lack of artistic ability. This is a sprite for use in a SEUCK game. But what's it supposed to be? Apart from pathetic, that is.


Two heads are better than one. Especially if one has been pummelled against the floor a few times. Tag a partner while you take a couple of paracetamol.

## CFIS TOP 40 GAMES

| (1) STRET FIGHTER $2, ~ \begin{aligned} & \text { SS Gold } £ 12.99 \\ & \text { US }\end{aligned}$ | c79080\% |
| :---: | :---: |
|  | Cr30 36\% |
| (3) $\triangle \begin{aligned} & \text { dizzY PRINCE OF THE } \\ & \text { CodeMasters } £ 3\end{aligned}$ |  |
| (4) $)^{\text {GOLDEN }}$ Tronix $£ 3.99$ | c-70 8\% |
| (5) NEW ${ }_{\text {CBH }}^{\text {HEROQUEST }}$ (4.99 | (c3094\% |
| (6) $\nabla^{\text {TERMINATOR } 2}$ Hit Squad $£ 3.99$ | coso 72. |
| WRESTLING SUPER STARS CodeMasters $£ 3.99$ |  |
| (8) $\triangle \begin{aligned} & \text { F15 STRIKE EACLI } \\ & \text { Kixx } \\ & \text { E3.99 }\end{aligned}$ | C-3173\% |
| (9) $\nabla_{\text {F16 combat PILOT }}^{\text {Action } 16 ~} £ 3.99$ | Nor nivew |
| FUN SCHOOL 2 OVER 85 Hit Squad $£ 3.99$ | $\mathrm{c}_{27} 64$ |


| 11 GRAEME SOUNESS SOCCER | Zeppelin | 83.99 |
| :---: | :---: | :---: |
| 12 RICK DANGEROUS 2 | Kixx | ع3.99 |
| 13 SMOOT-JM-UP CONSTRUCTION ITT | GBH | ¢4.99 |
| 14 AMERICAN TAG TEAM WRESTLING | Zeppelin | ¢3.99 |
| 15 WWF EUROPEAN RAMPAGE TOUR | Ocean | ع10.99 |
| 16 ARNIE 2 | Zeppelin | E3.99 |
| 17 SPELLBOUND DIZZY | CodeMasters | ع3.99 |
| 18 RANEOW ISLANDS | Hit Squad | £3.99 |
| 19 TEST DRIVE 2 | Hit Squad | ¢3.99 |
| 20 FOOTBALL MANAGER 3 | Prism | ع10.99 |
| 21 Maticland dizzy | CodeMasters | ¢3.99 |
| 22 CREATURES | Kixx | ع3.99 |
| 23 CHAMPIONSMIP 3D SNOOKER | Zeppelin | c3.99 |
| 24 CAPTAIN DYTMAMO | CodeMasters | ¢3.99 |
| 25 MANCMESTER UNITED | CBH | ¢3.99 |
| 26 BIa BOX 2 | Beau Jolly | £16.99 |
| 27 ITALIA '90 | Tronix | ¢3.99 |
| 28 JACK NICKLAUS GOLF | Hit Squad | ¢3.99 |
| 29 SUPER SPACE INVADERS | Mit Squad | ¢3.99 |
| 30 ROBIN MOOD LEGEND QUEST | CodeMasters | ¢3.99 |
| 31 DIZZY DOWN THE RAPIDS | CodeMasters | c3.99 |
| 32 MATCH OF THE DAY | Zeppelin Premier | c10.99 |
| 33 DJ PUFF | CodeMasters | ع3.99 |
| 34 CRYSTAL KINGDOM DIZZY | CodeMasters | c9.99 |
| 35 SUMMER CAMP | Kixx | c3.99 |
| 36 SUPER OFF ROAD | Tronix | ع3.99 |
| 37 TRIVIAL PURSUIT | Hit Squad | c3.99 |
| 38 INTERNATIONAL TENNIS | Zeppelin | ع3.99 |
| 39 DREAM TEAM | Ocean | ع14.99 |
| 40 TREVOR BROOKING: WORLD CUP | E\&J | ع3.99 |
| TH= K=7 |  |  |
| GOING GOING NEW <br> UP DOWN ENTRY | STANDI STILL |  |



ARNIE 2 blasts in to the Top 20. Pretty impressive at it had only been available for a fraction of the month. Watch it blast all the way to the top next issue.


It's a game of... er... loads of halves - about 90 league halves per season, plus Cup halves, and friendly halves. Football Management 3, not 'arf!


The aged Cap Dynamo's chart progress is almost as slow as his arthritic climb up the rocket gantry in the game. Will he live long enough to make the Top Ten?


Why have we got a pic of
Sanxion? 'Cos it's in Big Box 2 which has moved up to 26. We've a reason for everything (except why Take That are successful).


The grandaddy of all computer games returns to the charts, albeit with a bit of a facelift. What we can't work out is why they want our cows this time?
with a solution for this excellent re-release It's a bit like Indiana Jones meets Green Peace being right on and ecologically aware, but if it's you that keeps facing extinction every time you play, there's no excuse now for not surviving all the way to the Elephant's Graveyard (unless you go by tube - Ed). Level One - from the start: L $\bullet$ L $\bullet$ collect CLOCK • L • collect KNIFE •R •R •R • R • collect GUN • R • collect BOTTLE • B • collect ACID • R • enter cave • U • kick box to get BOOK • L • R • stab alligator with KNIFE • R • R • enter door - collect GOL and MACHETTE hold BOOK and look at MAP • R • L • $\bullet L \bullet$ enter small cave cut down bushes with MACHETTE © U.R $R \bullet R \bullet R \bullet d r o p-A C I D$ (move out of the way) • U Level complete. Level Two - from the start: R (slowly) $\bullet$ R collect BRANCH • R • R - collect $K E Y \bullet L$ enter door $\bullet L \bullet R \bullet R /$ use KEY and punch lock to open door - enfer door • collect POTION • D • L • efter dor • R . collect MATCHES and SLING - R burn the orb guard with MATCHES (punch to use them) collect ORB • R • give POTION to witch doctor (hold pation and punch him) to gain a $K E Y \bullet D \bullet L \bullet L \bullet D \bullet L \bullet L \bullet D \bullet R \bullet R \bullet$ $R$ - use KEY and punch left guard to open door • enter door e level complete.
Level Three - from the start: $R$.
NUGGET \& $A$ • collect NUGGET \& R lect NUGGET • R • collect NUGGET \& . hit monster with SLING • collect NUGGET . R • collect NUGGET • R • collect NUGGET $\bullet R \bullet R \bullet R \bullet R \bullet R \bullet R \bullet$ enter caves. $R \bullet$ die once to get rid of monkey $\bullet R \bullet U \bullet$ kick the left of the pit's wall to release the spider - get IDOL (when the insects have gone) - D $\bullet$ R $\bullet U \bullet R \bullet$ collect IDOL (look out for the plant) • L • D • R • collect HAMMER • collect CHISEL • Collect WOOD • L • D • L - hit left coffin to open it • collect IDOL • R • put BROWN IDOL on top of the table - put PURPLE IDOL in the middle • put YELLOW IDOL at bottom to make a new door - R - put WOOD across gap - R - put GOLD on left of scales $\bullet \mathrm{R} \bullet$ and that's the game complete.

## There's no way my tusks are ending up as piano keys.

## TiP FIRST DIP STRIKE <br> Power Pack 28

 If you fancy rising to the status of 'Top Gun', heed this sound advice from Daniel Dyer. I wonder if he's related to Thicky Dyer... erm, probably not.SIDEWINDERS: For use against all aircraft, particularly the red planes (as it's almost impossible to get them with the cannon). MAVERICK: For use on tanks, submarines, spy travellers and missile cruisers, but isn't much better than the cannon on tanks. Especially handy for sea targets as they are light (allowing you to carry more).
BOMBS: For use against all stationary land ardsea targets especially weapons plants and fadar sites Use the maverick against sea vessefs and the cannon against tanks. CANNON: For tanks and aircraft only. Quite handy when you're low on mavericks. Not much use against red aircraft.
FLARES: Used to viven the attention of hom-ing-missiles- drop 'em on top.
FUEL TANK: Not muchuse at all, really, as it weighs too much.
OTHER TIPS: Avoid helicopters by flying above the clouds. Watch out for cliffs and lighthouse. If your fuel drops low fly to the highest point - it will give you more time to reach the airfietd.


## TIP SERGEANT <br> DSP SEYMOUR ROBOTCOP

## CodeMasters

Having trouble bringing those hardened criminals to justice? Is your re-enforced armour as tough as a sardine can? Fear not, here's a handy cheat to make life much, much easier. On the title screen, type in STEGTHESLUG (without any spaces). The border will change colour and you should now have infinite lives to play with, as well as the handy ability to jump to the next level by tapping F7. And remember... stay out of trouble.

## GAMES Tips 15



## RECUMAR

## TIP DIP

The best of the tips, cheats and POKEs that you lot have sent in this month.

## FRAMEBUSIERS

Threy might cost less but they're no less hassle to get through. Some handy advice on how to bust those budget games

## SAM'S CORNER

23
Where to turn in your hour hour of need. We sort out your specific problems.

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## LتHAL WEAPON 18

The secret of success part one.

## DALEK ATACK

The Paris and New York levels mapped.

## WID WEST SEYMOUR 24

Yeehaw. Ride 'em coyboy. More Seymour secrets blown wide open.

## OHHER GAMES BUSTED THIS ISH...

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## 10 CAMES TIPS

## STETHMAN

Andy Roberts whips out his megaphone and directs Seymour to the climactic finale of his movie career. And why not?


## T3 $5=13-\sqrt{3} / 5$ OND SNON SGEN

FROM THE START: go right • drop down - kill both skiers • right • jump up and right - jump up and left • kill penguin $\bullet$ left $\bullet$ kill skier • drop down $\bullet$ right $\bullet$ drop down (hold right) • kill penguin • right • shoot skier • jump up and right $\bullet$ kill penguin $\bullet$ jump up and left • up • get diamond • kill skier * right $\bullet$ drop down $\bullet$ kill penguin $\bullet$ up and right • kill penguin • up and left • up • shoot skier • jump right • kill penguin and skier • right • drop down (hold right) • jump left $\bullet$ jump left $\bullet$ bomb skier and penguin • jump left • kill penguin and skier • jump up and kill skier • right • drop down (hold right) • kill both penguins and the skier jump up and bomb penguin • go left on moving log • jump up and left • get diamond • up • kill penguin • drop down • go left on moving log • up • bomb skier • up * kill penguin $\bullet u p$ and left $\bullet$ kill both pen-
guins • left • kill penguin • jump up and left • drop down and collect diamond • drop down • get the contract then prepare to meet the end-of-level bad guy.

## 3055 \#3 THE IGE MONSTER

This fella is marginally more difficult to kill than the other bosses in the game, ither side are two deadiy strips (which doesn't give poor Seymour much room to move). This Yetiesque creature bounces ardy, but spends. manner to Captain the ground. Use bombs most of his time on the gullets to kill him as as opposed to normal 130 !



## 18 CMMES TIPS


-

## ry Th Dooscoy

FROM THE START: Collect the FIREPOWER • jump up and shoot the bomber go up the ladder • collect the ENERGY • up the next ladder - shoot the terrorist and the ninja • go right • shoot the ninja • collect EVIDENCE • drop down • shoot the bazooka bloke • collect EVIDENCE • drop down * collect the ENERGY • shoot both terrorists • go right \& get on the moving platform and go right e collect the FIREPOWER • shoot the bazooka bloke - go right • shoot the ninja and the terrorist - go right - shoot the ninja and the terrorist jump up and shoot the bazooka bloke.

Get on moving platform and go right • shoot the bazooka bloke e shoot the ninja shoot the terrorist - go right - shoot the ninja and the terrorist - up the ladder shoot the terrorist to the right e shoot the terrorist and the bazooka bloke to the left collect EVIDENCE • go right - shoot the ninja • go right \& shoot the ninja and the terrorist \& go back to the left • collect AMMO • drop left off the platform and push up to grip the tight-rope.

Go left • shoot the terrorists • jump up and shoot the bomber - shoot the terrorist - go right • back across the tight-trope • drop off at the right-hand side - go right e get FIREPOWER • get on moving platform and head right \& go right to confront the first Boss Villain.

To defeat him, stay at the far left and shoot repeatedly, he'll occasionally throw a knife, but this is easily to avoided. When he's dead, run right and push up in front of the EXIT door to complete the level.

## L크군․ HIENTEOEIP

FROM THE START: Get on the platform and go right • jump right on to the next platform (when sate to do so) and go right * jump right on to next platform and head

right • shoot the purple thug • collect AMMO • get on the next moving platform and go right \& jump off and shoot the knite-thrower • collect ENERGY • jump up and shoot the knife-thrower - up the ladder \& First shoot the knife-thrower and then the terrorist.

Go left • collect EVIDENCE • go left * shoot the terrorist • collect FIREPOWER go left • shoot the knife-thrower • go left • collect AMMO • up the ladder • shoot the
terrorist to the left • go left • get ENERGY - shoot the terrorist \& go left - shoot the terrorist \& go left • collect AMMO • go right • up the ladder • collect ENERGY • shoot the terrorist and the ninja - go right - shoot the ninja • go right e shoot the ninja • go right • shoot the purple thug * go right - shoot the ninja • go back to the left \& collect AMMO.

Shoot the terrorist • go left • get ENERGY \& go left over the gap • shoot the

## GAMES TIPS 10

## Five different missions and ten separate levels make this one of the biggest (and hardest) games to surface in a long time. Fear not, citizens, Lieutenant Andy Roberts is here to save the day. You have the right to a solution...


terrorist \& go left \& shoot the terrorist • collect AMMO • go right • drop down gap - collect EVIDENCE - drop down - go right to the ladder • drop down $\bullet$ go right - collect FIREPOWER • shoot the ninja go right \& shoot the knife-thrower • up the ladder - get AMMO • shoot the ninja and the terrorist \& go right \& shoot the terrorist - go right • shoot the terrorist • go right • collect FIREPOWER

Go right over the gap • shoot the ninja

- go right • shoot the ninja • go right up to wall • shoot the purple thug • go back to the left \& drop down the gap • collect ENERGY - shoot the purple thug • drop down \& shoot the purple thug • drop down - collect ENERGY - shoot the thug to the right a shoot the thug and the terrorist to the left • go left • shoot terrorist • collect ENERGY • go right • collect AMMO • go right e shoot the terrorist \& collect ENERGY • go right • shoot the thug • go
right • shoot the ninja • up the ladder collect AMMO and push up in front of the EXIT door to complete the level.


## NEXT MONH

Tune in next month for the sequel when we spill the beans on level two and dish the dirt on level three. You'd be utterly bonkers to miss it, mate.

## 20 GMMES TIPS

## DALEK AHIACK





Im


## GAMES TIPS 21


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## BANGERS AND MASH

 AlternativeNope, this isn't a listing for as many sausages as you can eat, or even an unlimited supply of creamed potatoes (shame - Dave). Instead, type it in and RUN it for, would you believe,
 infinite lives. Smashing!

REM BANGERS \& MASH CHEAT BY WAZ
FOR X=272 TO 302: READ Y:C=C+Y:POKE $\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$ IF $\mathrm{C}<>3861$ THEN PRINT "DATA ERROR": END
POKE 157,128:SYS 272
DATA 032,086,245,169,121,141,218,003 DATA $169,088,141,220,003,076,167,002$ DATA $238,032,208,206,032,208,169,173$ DATA $141,206,045,141,023,062,096$


## DRAGON SPIRIT

## kixx

Quite a decent little shoot-'em-up this one, even though some of the graphics later on in the game obscure the action. So if you want to tip the balance back in your favour this is the infinite lives POKE you've been waiting for. Free the spirit.
REM DRAGON SPIRIT CHEAT BY WAZ FOR X=528 TO 562:READ Y:C=C+Y:POKE $\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$
IF C $<>3204$ THEN PRINT "DATA ERROR": END
POKE 157,128:SYS 528
DATA $169,029,141,040,003,169,002,141$ DATA 041,003,032,086,245,169,011,141 DATA $206,001,169,034,141,207,001,096$ DATA $023,001,026,169,165,141,036,053$ 3 DATA 076,235,002

## 1943

US Gold/Kixx
Getting some flak in the cunningly-titled sequel to 1942 (but nothing to do with 1941)? For infinite lives and time on this rather shoddy arcade conversion (you're not a fan of the game, then, Andy? - Ed), type in the following listing (which works on the original full-price version too)

REM 1943 CHEAT BY WAZ
FOR $X=528$ TO 570 : READ $Y: C=C+Y$ : POKE $\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$
IF C4147 THEN PRINT "DATA ERROR" : END POKE 157,128:SYS 531
4 DATA $087,065,090,032,086,245,169,027$ DATA $141,208,008,169,058,141,209,008$ DATA $076,016,008,169,048,141,065,031$ DATA $169,002,141,066,031,076,000,031$ 8 DATA $169,096,141,104,169,141,141,169$ DATA $076,000,128$

## THE MULTIHACK DATALINES RETURN!

Yes, it's a further installment in the long-running Multihack saga. These datalines will only work with the main Multihack listing, featured in CF23, CF26, CF28, and CF30. So there. (Pssst! Can I interest you in back issue? Turn to page 48 for details - Dave.)

Q10 TANKBUSTER (Infinite lives)
20 DATA $169,165,141,235,137,096,-1$
FRANKENSTEIN (Infinite lives \& time)
20 DATA $169,165,141,242,135,141,252,162$ 21 DATA $141,129,132,096,-1$

TITANIC BLINKY (Infinite lives)
20 DATA $169,173,141,129,012,096,-1$
BLUE BARON (Infinite lives, fuel, \& hits) 20 DATA $169,173,141,243,026,141,027,036$ 21 DATA $169,000,141,141,042,096,-1$

KICK BOX VIGILANTE (Infinite energy)
20 DATA $169,000,141,093,150,096,-1$
BOD SQUAD (Infinite lives \& time)
20 DATA $169,173,141,169,112,141,050,080$ 21 DATA 096,-1


REBOUNDER
What a revelation this is. Not only can you select infinite lives, there's also 'stop falling' option to stop your prescious ball disappearing down the gaps. Bliss.
0 REM REBOUNDDR CHEAT BY M FUCH
1 FOR X=516 TO 551: RBAD Y:C=C+Y:POKE $\mathrm{X}, \mathrm{Y}:$ NEXXT
2 IF C $<3761$ THIBN PRTNT "DATA ERROR": END
3 TNPUT"MNFINITE LIVES Y/N";A\$:IF A\$="Y" THIS POKE 541,141
4 INPUT"STOP FALLING Y/N";B\$:IF B\$="Y" THISN PORE 546, 141
5 POKE 157,128:SYS 516
10 DATA $032,086,245,169,019,141,207,003$
11 DATA 206,208,003,096,072,077,080,169
12 DATA $002,141,140,009,076,230,003,169$
13 DATA $000,173,087,131,169,096,173,078$
14 DATM $160,076,027,008$

## DAEDALUS

Fancy infinite lives to mess around with on this excellent SEUCK romp? No? Well you're going to get them anyway, and be thankful for it. Just type in this listing, SAVE it, then RUN it, and eat up all your greens. There are poor C64-less kids in the ghettos of Milton Keynes who would be grateful for a listing like this.
0 REM DABDALUS CHEAT BY M FUCH
1 FOR X=516 TO 549:READ Y:C=C+Y:POKE $\mathrm{X}, \mathrm{Y}: \mathrm{N} E \mathrm{XI} \mathrm{F}$
2 IF C<>3429 THISN PRINT "DATA ERRROR": END
3 POKE 157,128:SYS 516
4 DATA $032,086,245,169,019,141,207,003$
5 DATA 206,208,003,096,072,077,080,169
6 DATA 002,141,014,010,076,230,003,169
7 DATA $173,141,134,059,141,150,062,076$
8 DATA 027,008

## SLAYER

Argh! This game is just TOO difficult. In fact, I wouldn't blame you if you resorted to typing in this listing for infinite lives and/or invincibility.
0 REM SLAYER CHEAT BY M PUGH
1 FOR X=517 TO 574:RBAD Y:C=C+Y:POKE $\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$
2 IF C $<>5959$ THISN PRINI "DMTA ERROR": END 3 INPUT "TNFINITE LIVES Y/N";A\$:IF A\$="Y" THITN POKE 568,141
4 INPUN"MNTNCIBTLTTY Y/N"; B\$:IF B\$="Y" THITN POKE 571,1415 POKE 157,128:SYS 517 10 DAIA $169,018,141,040,003,169,002,141$ 11 DATA 041,003,032,086,245,169,032,141 12 DANA $178,002,169,002,141,179,002,096$ 13 DATA $072,077,080,169,032,141,222,003$ 14 DATA $169,051,141,223,003,169,002,141$ 15 DATA $224,003,032,069,003,096,238,032$
16 DATA $208,169,189,174,121,037,174,163$ 17 DATA 035,096

## (4) GAMES TIPS

## V/TD <br> 

As one movie escapade ends*, another begins, and this time Seymour is up against the detestable El Bandito. Andy Roberts gets off his horse and brings you the first part of this mighty solution... Giddemup, Rawhide!

the way, this next bit takes a little practice): jump RIGHT on to tree - jump RIGHT off-screen on to next tree jump RIGHT on to cloud • jump RIGHT off screen on to roof - RIGHT • jump RIGHT on to shed roof - get clapper-

FROM THE START: Jump LEFT/RIGHT to leave the start screen $\bullet$ talk to Rich - get the threatening note and read it • drop note • RIGHT • enter Codies' HQ • get remote control • talk to Clare • RIGHT • RIGHT • drop remote control $\bullet$ examine plane $\bullet$ get batteries • examine safe - get scrap of paper - get microphone - LEFT • LEFT • LEFT to leave HQ • LEFT • LEFT • drop scrap of paper - enter bus (stand in front of radiator) - drop microphone on a seat • talk to Pete - put batteries board $\bullet$ drop down $\bullet$ enter shed $\bullet$ get plunger • leave shed - LEFT - drop clapperboard • enter Codies' HQ • RIGHT • go up in lift • LEFT • enter darkroom • hit switch drop plunger in sink - get film to load camera (you may have to jiggle your inventory, ooer) - get spotlight - get ignition key • leave darkroom • go RIGHT • go down in lift • LEFT • LEFT to leave HQ • LEFT • LEFT • enter bus $\bullet$ give camera to Pete $\bullet$ drop spotlight on a seat • stand on driver's seat and use ignition key - leave bus - get scrap of paper - give paper to GAME GENIE - get stunning

## FRA $M=M=51=i 2 T S$

Clint's Unforgiven has made westerns trendy again, but the members of the CF crew have always been suckers for cowboys and injuns-type entertainment. - Trent's fave is the classic Red River. - Clur prefers the epic Once Upon A Time In The West-great music.

- Ollie loves The Wild Bunch, "Because it's one of the most violent"
- Lisa likes anything with John Wayne in, but especially The Shootist.
- Blazing Saddles is more Dave's cup of tea, or should that be plate of beans?
begonia • RIGHT •
RIGHT • enter HQ • give begonia to Clare RIGHT • LEFT • talk to Clare - get script • LEFT to leave the Codies' HQ • get clapperboard • LEFT • LEFT • enter bus • finally
in the



COMMODORE FORMAT May 1993 - The Prisoner

## ㄴヨリㄴㄴ

 lar in photo booth - wait for the flash LEFT to leave the office - enter office again and talk to SAM - he'll tell you that the photo booth is temperamental - go LEFT to leave the office - RIGHT -FROM THE START: Jump LEFT/RIGHT to leave the start screen - LEFT - LEFT LEFT • get broom • RIGHT • RIGHT • enter store - talk to DAN (stand in front of door) use broom on pile of rubbish - get rail ticket - talk to Dan - get rail card - get dollar LEFT to leave store • LEFT • LEFT • enter office $\bullet$ drop ticket $\bullet$ drop rail card $\bullet$ use dol-

RIGHT • enter store - get broom - use broom on pile of rubbish e talk to Dan - get dollar • LEFT to leave store • LEFT • LEFT - enter office • use dollar in photo booth wait for the flash - LEFT to leave office enter office again and talk to Sam to get passport photograph (don't pick it up yet) • leave office - RIGHT • RIGHT • enter store - get on top ledge and go LEFT - you should now be on the roof - Jump LEFT on to next roof - LEFT • LEFT • jump LEFT on to office roof • jump on to pole and get the silver key • RIGHT • jump on to top-left platform • jump UP RIGHT into screen above RIGHT • jump on to store roof • RIGHT • jump RIGHT on to tree - jump LEFT onto cloud • LEFT • jump LEFT on to next cloud • jump LEFT


- use silver key on clock twice (it will snap off) • LEFT - drop down and enter office get ticket - get rail card - get pass-
port
photograph
- leave office • LEFT
- talk to guard - jump on to back of train and press fire to complete the level. Phew!


## No

Can Seymour catch EI Bandito and bring him to justice? Will he ever get to
Catanoooga? Well it's up to you, but if yo make thext month you'll find out how to make the task so much simpler.



GI JOE FORMAT May 1993

GAMES TIPS



## PIFIGHIER

Domark/Hit Squad
Pitfighting, that noble art form in which hardened athletes battle against coal mines of staggering strength (are you feeling alright, Andy? - Ed). Ahem, anyway, Matthew Edmondson, G Taylor, Peter Webster, Lee Bennett, R Powers, Adam Kirby and Matthew Edmondson all wrote in desperate for a Pitfighter cheat of some sort. So if you're in the same boat without a paddle, type in the following listing and RUN it for infinite credits.
0 RBM PITFIGETER CHBAT BY WAZ
1 FOR X=528 TO 591:READ Y:C=C+Y:POKE $\mathrm{x}, \mathrm{y}: \mathrm{NEXST}$
2 IF C<>7509 THiLN PRTINT "DATA ERROR": END
3 POFE 157,128:SYS 528
10 DATA $032,044,247,056,169,036,141,158$
11 DATA $003,169,002,141,159,003,076,108$
12 DATA $245,087,065,090,169,006,141,167$
13 DATA $197,169,053,141,168,197,076,058$
14 DATA $197,162,000,189,065,002,157,116$
15 DAPA $008,232,224,015,208,245,076,013$
16 DATA $008,169,181,141,148,064,169,182$
17 DATA $141,150,064,169,085,141,151,064$

## SUPER SPACE <br> INVADERS

Domark/Hit Squad Here's another easy-touse cheat mode, this time requested by R Powers and Linda Godwin. Simply type
 PRIVATEPILOT (without a space) on the main title screen for infinite lives. Try typing it a few times, as this cheat can be a little temperamental.
Alternatively, Action Replay owners
might like to try these POKEs for infinite
lives and shields;
POKE 18581, 173
POKE 18584, 173
POKE 20253, 189
POKE 20223,189

## NINJA WARRIORS

## Virgin/Tronix

This isn't the easiest Ninja game around, as Nicholas Deeney, Allen Tamabadlbo, Neil Woodhouse, Gary Ramsha and Andrew Johns have discovered. Fret no more, for here is a fret-relieving listing POKE for infinite lives. 0 RRM NINJA WARRIORS CHEAT BY WAZ
1 FOR $X=336$ TO 365 : READ Y:C=C+Y: POKE
$X, Y: N E X T$
2 IF $\mathrm{C}<>3193$ THEN PRINT "DATA ERROR" $:$ END 3 POKE 157,128:SYS 336 4 IATA 032,086,245,169,032,141,116,009 5 DATA $169,101,141,117,009,169,001,141$ 6 DATA $118,009,076,032,008,141,032,208$ 7 IATA $169,240,141,119,126,096$

## RAINBOW ISLANDS (DISK)

## Ocean

If you own the disk version of this cutesy classic, like Chris Sharpe, then the listing in CF29 wouldn't have been much use to you. Instead, you might like to try this; type LOAD"CODE" $, 8,1$ followed by return. Once that has loaded (and the cursor re-appears), enter any of these POKEs
followed by SYS2061 to start the game.
POKE 28435,189 - Infinite lives
POKE 16868,173
POKE 18517, 173
POKE 18522, 173 - Infinite credits

## TUSKER

## System 3/Kixx

Luke Kingdon, P Griffiths, Bruce Parkinson, Paws and Rob, J Scanlett, Allen Tamabadlbo, Mark Johnston, J Quinn, Joss Stehbens and Alex Dijkstra are just a few of the people stuck on this ecologically sound arcade adventure. as if the solution in Tip Dip (page 15) isn't enough, here's a listing for infinite lives as well.

REM TUSKER CHEAT BY M PUGH
FOR $X=520$ TO 622:READ Y:C=C+Y:POKE
$\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$
FOR $\mathrm{X}=288$ TO 321 : READ $\mathrm{Y}: \mathrm{C}=\mathrm{C}+\mathrm{Y}$ : POKE
$\mathrm{X}, \mathrm{Y}: \mathrm{NEXT}$
IF C $\propto 17071$ THEN PRINT "DATA ERRCR":END
4 POKE 157,128:SYS 520
10 DATA 032,044,247,160,017,140,064,003
11 DATA $136,140,062,003,032,108,245,169$
12 DATA 032,141,233,016,169,061,141,234
13 DATA $016,169,002,141,235,016,162,157$
14 DATA $189,158,016,157,158,002,202,208$

5 DATA $247,169,166,141,020,003,169,002$ 6 DATA 141,021,003,208,254,141,013,220 17 DATA 072,169,032,141,240,003,169,082 18 DATA 141,241,003,169,002,141,242,003 19 DATA 104,096,169,093,141,214,248,169 20 DATA 002,141,215,248,096,098,002,072 21 DATA 077,080,169,032,141,092,253,169 21 DATA 077,080,169,032,141,092,253,169 23 DATA 001,162,173,173,200,136,201,049 24 DATA $240,017,173,200,136,201,206,240$ 25 DATA $005,142,158,252,208,008,142,200$ 26 DATA $136,240,003,142,011,144,108,254$ 27 DATA 252

## HUDSON HAWK

Ocean/Hit Squad
Tracey and Timothy Holmes, Suleman Ahmed and Wayne Ledsham are all having alchemy problems. So, on the title screen, before it flips to the high score table, push the joystick UP, DOWN, LEFT, RIGHT and then RIGHT, LEFT, DOWN and UP The screen will flash to indicate that the cheat is active - infinite burglars!

## PYJAMARAMA

## Mikro Gen

There's nothing like stomping around the house in your 'jimmy-jams' (well it takes all sorts, I suppose - Ed), but you might lose the odd life or two. If, like Jason Robinson, you'd like a little assistance with this classic, here's an infinite lives listing that cuts the mustard.
0 REM PYJAMARAMA CHEAT BY WAZ
1 FOR $X=384$ TO 407 :READ $Y: C=C+Y:$ POKE

## $X, Y: N E X T$

2 IF $C \ll 2423$ THEN PRINIT "DATA ERROR": END3 SYS 384
4 DATA $032,104,225,169,144,141,170,008$ 5 DATA $169,001,141,171,008,076,013,008$ 6 DATA 169,100,141,027,068,076,253,009

## SIX STEPS 10 <br> ULTMATE JOY

1 Get hold of a post card or sealeddown envelope.
2 Jot down the game(s) you're stuck on (including the publisher).
3 Specify the type of cheat you'd prefer. 4 Include your name \& address.
5 Stick a stamp on the front and post it
to: Samaritan's Corner, Commodore
Format, 30 Monmouth Street, Bath, Avon
BA1 2BW.
6 Read CF (but not in the toilet - Ed).
©

#  <br> Shoot-'em-ups don't come much trickier than this tricky blighter, as loads of <br> you discovered when we stuck it on Power Pack 31. Andy Roberts clambers into his laser-armed spaceship and rockets into the void... 


uite an easy opponent to deal with, if you know the 'safe areas. Stay in the centre of the screen at first, moving to the top-left when you can avoid the bullets. Destroy the gun at the top - the one firing the green, swooping bullets - then move carefully down to the bottom-left and destroy the other green bullet-firing gun (both take about 16 hits). Move back up the screen and destroy the top laser; this also takes 16 hits. Stay at the far left, moving into position to shoot at the laser between its shots. Repeat this process for the lower laser. Finally, move to the middle far left of the screen and shoot the red gun 10 times. Once that's destroyed keep firing to obliterate the brain-esque centre.


Did you know that the first ever end-of-level guardian was in featured Phoenix? And there are more fascinating shoot-'em-up facts in our speclat feature starting on page 48.

 s you'd expect, this 'frog from hell' is a tough blighter to deal with... (well, frogs from hell always are, aren't they? - Ed). Keeping a cool head is essential. Stay at the left of the screen and destroy the electrified dome with 10 well-placed hits. Now move down into the gap at the bottom of the screen and shoot the small green orb-typething (this takes 11 shots).

The gun at the top of the screen is the next target for termination, but be warned; it is

Oh no - it the Land Of The Giants level. Watch out for that photographically. enlarged garden frog.
 very, very difficult to destroy. Stay at the far left, and move DOWN whenever it fires a bullet (move up and you'll probably get a missile in the face). It takes 11 hits to destroy, but it's safer to attack it in blitzkrieg bursts of two or three, so dig in and be patient. Finally, move down and shoot the frog head-on 14 times to finish the level and the game.

## CENERAL TIPS

- Shoot the red gun turrets as soon as they appear - they can spell disaster. - The 'snakes things' follow set patterns, so find the centre of their movement circle and stay there.
- The large triangular ships on level one are indestructible, so the only thing you can do is keep out of their way.
- Level two features some falling stalactites. To get past them stay at the left of the screen and wait for them to drop.


## A PIECE OF IHE ACION

Got an Action Replay? Want infinite lives? Then try this: pOKE 6924,189

# oasmat <br>  

The complete instructions for the greatest sprite editor the world has ever known (honest guv). Jason Finch (who co-wrote it, clever chap) is your guide on this tour round its functions.


So what is a sprite designer? Well, it's a tool that allows you to draw animated sprites and then save them out for use in your own games. FROST has been designed so that it's easy to use and yet still the most powerful sprite designer available today. Effectively it's an art package that lets you work within the programming constraints placed on sprites - without you noticing! All you have to do is draw and save. Then the DATA is ready and able to be pulled into your own programs.

And if at the moment you don't know how to use sprites in your own programs DON'T PANIC! Over the next two months, FROST's other programmer, Bones, will be taking time out to explain all about sprites, what they are, how they work and how to use them. So play about with FROST this month (For some extra help check out page 7 for a dead simple tutorial) and you'll be amazed how easy it is to draw and create your own animated graphics. Then next month you'll have a full library of sprites to use with our spiffy tutorial.

But for starters we'll give you a run-down on all the options on offer in FROST's menus:

## MENU: PROJECT

OPTIONS: Keypress short cut

## Load

(L)

Save
(S)

Make DATA (D)
Device
Version
Quit
(Q)

Load: Enter a name and a number. This loads saved sprite images with the first one at the requested pointer number (zero loads without bothering with technical stuff like re-location).
Save: Enter name and start/end sprites Make DATA: Creates 64 data values for each sprite image, and is used when you want to incorporate your sprite into another program (more on this next month). Warning: This process may overwrite sprite images if the Basic program created (or added to) is very long.
Device: Select TAPE/DISK device 8/DISK device 9 for loading and saving. Version: Some info on FROST. Quit: Return to Brazil (Erm, I think you mean Basic - Jason).

## IMPORTANT BIS

- POINTER VALUES (PNTR): Used to identify a sprite image. It describes both the sprites position in memory and position within an animation sequence (Frame number). The values can be from 128 to 255 inclusive.
- KEYPRESSES only work when the arrow is over the 'Edit Box'.
- TO SELECT A MENU move pointer over it using the joystick or cursors on the keyboard and then select it by pressing either FIRE or RETURN. - TO SELECT A MENU OPTION: move the arrow down the list until it's over the desired option and then highlight your choice by pressing either FIRE or RETURN.
- TO CANCEL A MENU: point at anywhere not on the menu itself and then press FIRE or RETURN.
- LOW PITCHED BEEPS mean, 'No way'. - Some options are available in multicolour mode only.
- The four display area sprites can be linked together to form a block.
- When you plot a dot by pressing FIRE or RETURN, what happens depends on the plot MODE (Hit F1 to change the mode). If you are in:

SET this positions a square
CLEAR this clears the square
TOGGLE if the square is set, then
this clears it and vice versa
CYCLE cycles through
Background colour to Sprite colour to Multicolour 1 to Multicolour $2^{*}$.

- LINE does to a whole line what is specified by the plot mode (ie it will either set/clear/toggle or cycle the colours in the whole line).


## MENU: OPTIONS

OPTIONS:

| Wrap | (W) |
| :--- | :--- |
| Grid | (G) |
| Set | (F1) |
| Clear | (F1) |
| Toggle | (F1) |
| Cycle | (F1) |
| HiRES | (F3) |
| Multi | (F3) |
| Convert | (0) |
| Sprite | Shift 1 |
| Col 1 | Shift 2 |
| Col 2 | Shift 3 |
| BkGrnd | Shift 4 |

Wrap: Toggles wrap on/off
Grid: Toggles grid on/off.
Set/Clear/Toggle/Cycle: This selects the plotting mode. 'Cycle' is only available in multicolour mode.
HiRES/Multi: Selects High resolution or multi-colour mode.
Convert: Converts sprite image from/to HiRES and switches mode. In multicolour mode, the part of the image in the currently selected colour is used.


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|  | Cutbo/mascour/scuear., A. |  |  |

## (30 of SPECAL

 Sprite/Col 1/Col 2/BkGrnd: Changes corresponding colour. 'Col 1' and 'Col 2' are only available in multicolour mode.
## MENU: EDIT



OPTIONS: Keypress short cut
Mirror (XY
Scroll (Shift UDLR)
Invert (I)
Line (VH)
Wipe (CIr)
Rotate (R)
Delete (Del)
Insert (Ins)
Flip1S (@)
Flip12 (*)
Flip2S (UP ARROW)
Mirror: Press fire and push up/down or left/right to mirror sprite image. Release fire and repeat if desired.
Scroll: Shifts (Scrolls) sprite image in direction indicated. You control it in the same way as Mirror. Bits of the image disappear off edges of box if wrap set off.
Invert: Inverts the image - try it and see! Line: Controlled in the same way as Scroll. It plots lines in the direction indicated. This only works only if the CTRL was used to get the menus up.
Wipe: Clears the sprite image completely. Rotate: Rotates the image 90 degrees anticlockwise. It does it 'intelligently' if in multicolour mode (ie, it tries to keep the definition as near to the original as possible). Delete: If Wrap is on, this rolls the current line of image to the left. If it's off, works like 'Delete' on the keyboard but keeps marker in same place. Not available as a menu option. Insert: If Wrap is on, this rolls current line of the image to the right. If it is off it works like 'Insert' on the keyboard. Not available as a menu option.
Flip 1S/12/2S: Changes all occurrences of first colour to second colour and vice versa. Works only in multicolour mode. $S=$ Sprite colour, $1 / 2$ $=$ Multicolours 1 and 2 respectively.

## MENU: SPRITE

OPTIONS: Keypress
short cut
Next Previous
Find (P-)

Copy
Merge (M)
Trade (T)
Undo Retrieve

## (U)

(BACK ARROW)
Next: Moves to next sprite image in memory. After 255 it goes back to number 128.
Previous: Moves to previous sprite image in memory. After 128 it goes to number 255.


橉

Find: Moves to the sprite image number that you type. Press RUN/STOP to cancel or don't enter a number.
Copy: Gets sprite image with the number you type and copies its definition to the current sprite image.
Merge: Merges sprite image of the number you type with the current sprite image. In multicolour mode the current image is given priority.
Trade: Switches the images of the sprite with the number given with the current image. Undo: This can 'Undo' the last major change. Cannot undo after you plot a dot or do something really major like a 'Load'. Not available as a menu option.
Retrieve: Returns the current sprite image to the condition it looked like before you messed with it all. VERY USEFUL!

options:
Keypress short cut
Same (F7)
Consec
(F7)
Initial
(F5)
SelectA
SelectB
SelectC
SelectD
Animate
Same: Makes all the sprites in the display area the same.
Consec: Makes sprites in display area from consecutive sprite images in memory. Initial: Puts display area sprites back to their original form.
SelectA-D: Brings up another menu that lets you manipulate the display area sprites.
Animate: Only available when you're in
Same mode - this cycles through images to see how they animate.

## KEYBOARD COMMANDS

Cursor keys move box or arrow pointer RETURN this manipulates the square/select option CTRL 0 1 2 SHIFT+1 SHIFT +2 SHIFT +3 SHIFT +4 SHIFT +5
F1
F3
F5
F7
$+$

UP ARROW flip occurrences of sprite colour and multicolour $2^{*}$
LEFT ARROW Returns the current sprite image to the condition it looked like before you messed with it all.
(* Only works in multicolour mode)

## BUc FUNT <br> When you first use FROST you may find that a Syntax error is generated when you exit. This should only happen after you have created DATA and is due to the fict that the Basic interpreter stiil that started running the original progr, you have up FROST when, in load of DATA statereplaced it with a it alarm youl! If you are at ments. Don't let it ments. Don about this just make sure you quit out of FROST and then jump back into it with the SYs 50000 command before create DATA. In that way the comput Basic doesn't return to hall exist anymore. <br> line that doesn't exist anymore.

## NEXT MONTH

Make sure you check our brilliant two-part sprites feature for all the information you could want on how to use the sprites you've designed in FROST. It'll be packed to the frame buffers with all the info you'll need, and all in that clearly-explained Commodore Format kind of way. Make sure you don't miss out.

## (0) 1




GamesMaster is tough. GamesMaster can handle itself in a fight. So if you're looking for trouble, you've got it. The latest edition is packed with previews, reviews, tips and news. And more humour than you'll find in all the other mags put together.

There are astonishingly well-written reviews of Lemmings 2, Starwing, Super Tiny Toons, Sunset Riders, Terminator 2 and gallons more.

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So don't buy soap, cheese, cotton buds, CDs or linen. Buy GamesMaster. It's one of life's necessities.


GamesMaster, you see, is a way of life. It won't just give you the lowdown on the entire video games scene, including arcades, it'll also give you challenges involving top indy-rock, techno-rave bands such as Sunscreem.

And since GamesMaster is by far the biggest video games mag in Europe, who do you think will be giving you the best exclusives, the most shocking news and the wittiest captions? Us. And we're also rock hard.


ARNIE came out of nowhere. One month nobody had heard of it, the next there was a demo slapped on the front of Commodore Format 21 and a glowing 83 per cent review in the mag! Within days (well, dead quickly anyway) the game stormed to the top of the charts and stayed there for aeons (four months, actually).

What was its secret? As a game ARNIE wasn't perfect, but it had that 'special something' that made it a Fclassic. This is what the now legendary James Leach said about ARNIE in the original review: "Once you get the hang (of con-
trolling the hero), you just can't leave the game alone...) really like ARNIE.
Graphically it's nothing to write to your Granny in Skegness about. But it's just so playable. You become determined to blow up the tanks, people and helicopters that stand in your way. Every time you get a bit further, you want to have another go. Great stuff and worth a decent score, methinks." And a decent score was verily foisted upon the game.

The only real downer, apart from the slightly small graphics, was that ARNIE only featured one mission and that wasn't massively long. With ARNIE 2 Zeppelin have built in twice the gamelife of the first outing by sticking on a second mission. And with bigger, brighter and bolder graphics supporting the super-soldier's slaughter session, the battle for survival should a real blast this time round!

## THE

## GUN CLUB!

ARNIE uses a whole batch of different hardware, the likes of...

## StEYR AUG

A plastic machine gun! It looks dead hard and can resist minor things like being run over by jeeps. As the integral sight leans to one side, and the ejection port is on the other (so red hot shell casings don't fly in your eyes) these have to bought specifically for right- or left- handers. Calibre: 223 Rem.
Barrel: 20 inches
Weight: 8.5 lbs
Length: 31 inches
Sights: 1.5 x scope only.
Scope and its mount form a carrying handle (oh, very handy when you're bogged down with luggage at the airport - Dave).

## COLT AR-15A2 GOVERNMENT MODEL RIFLE

The M-16, the US Government issue. After a troubled start there were maintenance problems - it soon became the standard combat rifle of

## THE SAS

The SAS did so well in WWII that they were disbanded! All the government types felt horribly guilty, though, and re-started the regiment in 1947. Then,
 when the Whitehall warriors needed a special jungle unit they invented 22 SAS (the name of the regiment and not the number of troops) who went off to fight in Malaya. Since then the balaclava brigade have gone from strength to Iranian Embassy, if you don't believe us.
the US army. Shame about the 5shot magazine though. (What a tragedy! - Dave.) Calibre: 223 Rem, 5 -shot magazine.
Barrel: 20 inches
Weight: 7.5 lbs
Length: 39 inches
Sights: Post front, aperture rear adjustable for windage and elevation.

## AKS-47/S AUTO RIFLE

The weapon of the Eastern Bloc, this soon became the standard for freedom fighters/terrorists the world over. Rugged, reliable and easy to clean it proved ideal for all
The M-16, the
USMC's favourite motorway.
manner of shoot-
ing situations (especially ones where you needed a clean gun - Dave).
Calibre: $7.62 \times 39,30-$ magazine as standard; optional 5 -, 20 - and 40 -shot box magazine as well as a 75 -round drum magazine on offer. Barrel: 16.375 inches
Weight: 8.2 lbs
Length: $\mathbf{3 4 . 3 7 5}$ inches
Sights: Protected post front, leaf rear graduated to 800 meters.

## Uz1 ${ }^{\oplus}$ Carbine

A fine shooter. Developed by the Israeli military who know their onions when it comes to guns (what? - Ed). This a serious piece of hardware.
Short(ish) range and rapid rate of fire make it an effective urban weapon.
Calibre: 9 mm Para, $41 \mathrm{AE}, 45 \mathrm{ACP}$.
Barrel: 16.1 inches
Weight: 8.4 lbs
Length: 24.4 inches
Sights: Post-type front, L-style flip-type rear adjustable for 100 m and 200 m . 1. Both are click adjustable for windage and elevation. (Well that's made everything perfectly clear - Dave.)

IVWH0:
Commodore




## More

 monsters! Moremusic! More

$$
\begin{aligned}
& \text { colour! More animation! More } \\
& \text { levels! The game that promises to } \\
& \text { be THE C64 release is growing } \\
& \text { faster than Dave's waistline. } \\
& \text { The Boyz creating Mayhem In } \\
& \text { Monsterland fill you in on the } \\
& \text { latest developments. }
\end{aligned}
$$


#### Abstract

HISHOFS SOR... Mild-mannered John and Steve Rowlands, known to the world at large as the Mighty Apex and, er, the other half of Apex, have embarked on a mission to create the greatest C64 game the world has ever known Mayhem in Monsterland. And if anyone can do it, these boyz can - they were the team that brought you Creatures 1 and 2. In last month's thrilling installment, the boyz started to introduce some baddies into the game and started work started work on a new level, Spottyland...



ere is the Mayhem news for February. Bong! More monster routines mean that the nasties in the game gain the ability to inflict pain on poor Mayhem (boo!) and Mayhem gains the ability to inflict pain on them (hooray!). Bong! On the graphics side a brand new level called Rockland surfaces out of out of the pool of inspiration. Bong! Steve produces some dead funky interactive music. Bong! Details to follow.

## FROSTY FEBRUARY

## Week 1

JOHN We've had an abundance of white flakes this month, and we're not talking about Steve's dandruff. Yep, it's been snowing! The last time we had snow was two years ago, and it inspired us to write the snow torture screens in Creatures 2... but this year it just froze our bits off.

Those of you who read last month's diary (thanks mum) will know that I started work on the monster routines. These included the splitting routines (enabling us to have more than eight sprites on screen), movement routines and animation routines. Most of this
week was spent getting these routines to work properly. Once they were, I added another major routine that allows me to dictate each monster's colour. Obviously every sprite can have a different colour but now it can also have colour patterns. If we want an explosion to fade as it dies out, we can change its colour in time with its animation.

As with our background graphics we wanted more than the C64's 16 colours for sprites. However, we can't use the same method of colour mixing that we're using for the level graphics (see CF28) because we haven't got enough sprite colours. So I added a different colour mixing routine for the sprites. This rapidly flashes between two colours (of equal brightness) to create new shades. Believe it or not, Mayhem in Monsterland looks even more colourful.

STEVE Late last month I came up with the idea of putting some dark forest sections into Spottyland. Now I think that some sort of brighter background would be better, just to drive home the message that you've done the business (converting the level from sad to happy). Therefore, I'm starting to put some diamond caverns in the level, which have holes on top that act like roof lights. The sky above the roof lights is cyan while the insides of the caverns are black, so there is a beam of light that shades from to the cyan to the black where the light enters the hole. Although I removed the big bushes from this level there are still some trees and vegetation

[^0]let to keep the place looking interesting. These trees have incorporated the idea that I mentioned last month of having smiley faces in the levels, which does actually add that extra bit of atmosphere all at no extra cost.

## WEEEK?

JOHN The next bit of monster code to be written is the direction routine. This detects the positions of all onscreen monsters and compares them to Mayhem's position.
Basically, if a monster invades your space either you die or it does. I've written the core of the routine (called UTHEM) and it simply flashes a sprite's colour if it touches you. Next. UTHEM has to decide whether you kill the monster or not; this depends on where Mayhem is and what he's doing. If he's above the monster and falling down (what other way can you fall?) then the nasty will die. Otherwise, Mayhem will die. (Well, he doesn't die at the moment, he just changes colour, which is a lot less painful.)

Leaving UTHEM for a day or two, I decided to write some miscellaneous routines for Mayhem. The first one fades Mayhem from white to normal colours and will be used when he picks up a bonus. The second one is the invincibility shield routine which makes Mayhem pulse and leave a trail of little stars behind him as he charges (until his shield runs out). The
third one uses the smoke animations
 that appears behind Mayhem when he skids, making them appear at his

## (3) CF SPECIAL

feet when he starts charging (giving the effect of dust getting kicked up from his feet, like in Road Runner cartoons).

STEVE Today I thought it was time to start the graphics for a sad version of a level and, as Pipeland has the most complete Happy section of all the levels, I chose to convert that level to sad first. Before I start the sad character set I will have to load up the latest version of the happy character set. This is because of the method I'll be using to do the sad version; l'll have all the happy level graphics loaded up in the block/character editor, change all the bright multi-cotours to greys, and then just work my way through the character set changing the character definitions to make them look sad (ie, put cracks in platforms and make smiley faces grouchy).

The blocks in the level have to be the same in sad mode as in happy, mainly because of the memory it would take to store two different sets of $1454 \times 4$ blocks. The graphics would look better if we did use the two block sets but the results I've got so far warrant the decision not to add the 2320 bytes $(2.25 \mathrm{~K})$ for the extra set.

## WEEK 3

JOHN I expanded UTHEM this week, writing the monster death code which explodes a monster into a cloud of stars when Mayhem kills it. We thought that a range of different explosions would be better than just one throughout the game, so each level can now have up to four types of explosion. After certain types of monster have exploded a bonus will be left behind (each bonus will have a different colour animation). These won't simply give Mayhem bonus points (which is boring) but will give him a whole range of goodies, such as extra stars, shields, score multipliers, etc.

The most important bonus is the

> The bonuses will give Mayhem such things as shields and score mulipliers

the latest versions I have on disk to see where I was up to. I'm now going to try to find an old bit of funky music - and I know the perfect tune for the job (it used to be the Creatures 2 title music don't you know).

By the end of the day I have created two different tunes from that old bit of music. The actual tunes sound similar but are in different moods, the first being the normal jolly 'jumping around the level' tune, the second being a faster 'go forth and maim' type of tune. The notes are in a lower key, as well as being faster than the other tune, to give a more tense atmosphere.
charge icon. At the beginning of the game Mayhem can only walk, so he has to find the monster that leaves behind the 'Charge' icon. When he picks it up he'll be able to run at extremely high speed, killing virtually everything in his path. The only monsters he won't be able to kill in charge mode are indestructible ones instead of killing them he'll bounce off them. So the rest of this week saw the creation of the bonus appear routines, invinci-bounce routines, etc. The feel of the gameplay is definitely beginning to take shape.

STEVE It seems ages ago I last did some music for the game, but now l'll go through

as well. We'll use them for the large dinosaurs that will roam around Monsterland - watch out for these mean mothers.

So having spent most of this month writing in-game routines I felt like doing a bit of presentation. l've started a screen appearance routine which - wait for it - makes the screen appear (wowl). Once you press fire from Get Ready, the screen blanks and Mayhem charges on, skidding to a halt in the middle. Monsterland then appears behind him, zooming out in an ever-increasing box. Once I'd written this, I had to modify it to cope with different starting heights.

Obviously Mayhem won't start each level at the same height so neither does the appearance routine. As Monsterland is six blocks high (see last month's diary) Mayhem can start at five different heights (if he started at the top of the highest block he'd be off the screen). So now the appearance code copes with five different start positions, always appearing from behind our cute, baby dinosaur.

STEVE On day one of this week I did a third tune for the interactive level music. This one - to compliment both the normal and pacey tunes - is a slow echoey affair, again with the same sort of melody but a different mood.

I was having a play with Mayhem in Monsterland using the level editor, jumping around the platforms and slopes. The level was the first one I designed and was influenced by the Cubist school of art (see issue 27). To refresh your memory it has long green platforms with triangular edges and brown triangular rocks underneath. I was looking carefully at these and thought they would look good upside down, like mountains or something. So after standing on my head for 10 minutes I had a new level idea (and a headache).

This new level would have really big mountains (those platforms, upside down, but much bigger - the height of the screen, in fact). I could place small platforms (about $4 \times 4$ characters) around the screen for the dexterity sections, but also put in the long slopes and platform sections for speedy parts in the level. This new level now has a working name of Rockland. erm, because of the rocky bits.


Fancy finding fascinating facts for further fun-filled features, frantic freaks? Wondering what worlds will wield work warily? More mad monsters when we mingle morbidly: Screen monsters might slide smoothly. Perfect paralling should precariously! Erm. We thillax presides what we're trying to say. (No you know


So, how many programs d'you reckon you could get for $£ 7$ ? Three? Four? Peanuts! There are 16, count 'em, 16, PD* progs on this compilation, including both games and serious stuff. But is it a bargain bag of goodies or a hotch potch of cheap'n'nasties? Dave finds out.

SUPER KONG: Loads of PD games are home-brewed versions of arcade classics. This is a PD Donkey Kong, and a pretty ropy version it is too. Pedestrian graphics and naff animation. Power rating: $\star \star$
XERONS: Galaxians gets the PD treatment here. I never really liked Galaxians anyway, and this is a pretty humdrum, keyboard-controlled only version of the aged shoot-'em-up. Power Rating: $\star \star$
FREAK-OUT: In other words, Break-Out. Disintegrate a wall by bouncing a ball off the bricks. It doesn't add any new twists though the bat does have a touch of inertia. It's fairly smooth and has that 'just one more try' factor. Power Rating: $\star \star \star$

CHAOS: A totally new game and all the better for it. It's a nifty shoot-'em-up in which the aliens attack from side-to-side while swooping up and down. Excellent graphics and very addictive. Power Rating: $\star \star \star \star \star$


INVADERS: A sideways-scrolling shoot-'em-up with aliens attacking in waves. Dire collision detection. It's rubbish.
Power Rating: $\star$
CENTRIPOD: This is just awful. It's is so annoying you give up after about 10 seconds. It's hard to describe what's it's about and it's so dire I can't honestly be bothered.
Power Rating: Zilch
TWISTER: You don't see many version of Tetris on the C64, and though this one has its faults - it chugs a bit and the graphics are
dull - the basic concept of slotting falling shapes into gaps to form lines is as intriguing and engrossing as ever.


VOICETRACKER: A sequencer for your C64. It's very comprehensive, offering loads of functions, but it's certainly not for the novice. It's a bit daunting and you really need to be able to print out the instructions.
Power Rating: $\star \star \star \star$
REAL WRITER: You know those messages you see in demos and game intros which
appear one letter at a time? This utility helps you create that effect. There is a fairly limited choice of fonts and music and the end results are pretty bog standard. Power Rating: $\star \star$

## Power Rating: $\star \star \star$



ULTIMATE DEMO/INTRO
CREATOR 2: Surely the reason people write demos is to show off their

TORSION WARRIORS: A verticallyscrolling shoot-'em-up with bullets flying all over the place. Pretty tough and a bit samey. Power Rating: $\star \star$


TERMINAL CITY: This is brill'. Guide your man around a series of raised ramps, blasting away at some nasty flying thingies in a quest to find 15 floppy disks and slot them into the correct terminals. Great graphics, nifty enemies and loads of fun. Shame it isn't just a tad bigger. Power Rating: $\star \star \star \star \star$
SNACKMAN: Back to the copies, and this one is of the carbon variety. As a Pacman clone it's almost perfect - it certainly looks and feels right. And since Pacman is such a brilliant concept anyway, this game is great. Power Rating: $\star+\star \star \star$

## THE SERIOUS STUFF

ULTRAFONT: A font creation utility which is fairly easy to use but a bit limited. The lack of instructions means you have to experiment but most of the options soon become evident.
Power Rating: $\star \star \star$
SPRITE MACHINE: Not a patch on our very own sprite creation utility, FROST. You can achieve the same results, but getting there is just so much more difficult. Unfriendly.
Power Rating: $\star \star$
coding talents, so what's the point of a program that does it for you? DC+2 gives you a template demo on which you can change all the elements. Interesting to play around with, but pretty pointless.
Power Rating: $\star \star \star$
TAPE DIGITISER VERSION 3.0: Make your own samples! Bung an audio tape in your datassette, play it and your C64 will digitise it. Okay, the results aren't great (or usable in other programs) but it's still great fun to have a go at.
Power Rating: $\star \star \star$
*PD? WASSAT THEN?
PD stands for Public Domain, which isn't a place, but a concept. If a program is PD then place, Dut means that there's no copyright on it, so it's legal to copy it. More importantly, it's FREE! Well, sort of. If someone writes a PD program then they don't get paid for it, and if you come across a PD program - say, your mate's got one and you copy it - then, sure, you've got it for free. But normally PD is available from PD libraries, and if you get your PD from them, they usually want some reimbursement for distributing the stuff though it's usually a pretty paltry sum.

## ( $15, j] j=i j 20 i$

- Cassette/Disk: £6.99
- Available from: ODUS, 71 Helmsley, Willerby Road, Hull HU5 5ED * 0482500597. So is it worth buying? Sure is. Okay, there's some rubbish in here, but the amount of decent stuft - such as Snackman, Terminal City and Chaos - means it's $£ 7$ well spent.



## 40 YOUR LETIERS

HORROR BEYOND BELIEFI

Your
name is David
your favourite colour is orange and you've got an empty Kit-Kat wrapper in your left trouser pocket. No?! Well, The Mighty Brain always was a better letter reader than a mind reader anyway. To let him in on your innermost thought processes, send him a letter to TMB, Commodore Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

## MAD AS A BALLOON:

Dear TMB (terrible mutonic bummer*), You're nothing like a normal
brain! You're little more than
a ball of tissue paper!
Roger Frames is much bet-
ter than you! And don't you
give me any of that 'lip'
tissue ball or l'll carry
on sending you these
letters! So start
answering, NOW!

1) Have you got
any cheats for the
cassette version
of RoboCop?

## CROSS WORDS!

Dear TMB,
I thought I'd send you something that I've never seen in any issue of CF-a totally C64-dedicated crossword!
A Dann, Winscombe, Avon.

## ACROSS

1 Superb board game set in space $(5,7)$
7 Connects the C64 to a telephone line (5)
9 Command used to find out the contents of memory location ' X ' (4)
10 Command used to start a program after resetting to enter POKES (3)
11 Owner of Llamasoft, initially! (2)
12 Tin-Pot Copper! (7)
2) Tell Lisa to kick you down to size or else! 3) Is Street Fighter 2 any better than the original Street Fighter?
4) I have just started with the C64. Who has been here for the shortest time?
Now give Roger Frames all your best games! Paul Blair, Paisley.

1) Yes, thank you very much.
2) Lisa kick me down to size or else? Or else what, exactly? Although I'm not quite sure, I think l'll plump for the 'or else' option.



14 Short for number (2)
15 Hardware used to play games (8)
18 and 6 Down The number one mag in the universe!!! $(9,6)$
19 Permanent memory
20 CFs fave two-player racer! (Initials, 4) 21 Colour of car in 20 Across (3)
3) Yes. There is an easy way to tell. You look at the score we gave Street Fighter 2 (CF29, 80 per cent) and then compare it to the score we gave Street Fighter (CF30, 36 per cent). After subtracting the smallest score from the largest score we have a difference of 44. Hence SF2 is 44 per cent better that SF1, 4) WHAT?!?

No, why should I?
TMB


Ooo-eee-ooo! Spooky coincidence time. In the same issue we review Trolis somed! the same issen it's going to be released!
asks us when
(That's a rubbish spook coincidence - Ed.)

## PISTOL-PACKING MAMA!

Dear Mighty Brain,
Answer my questions or my Mum will shoot! 1) Why can't you upgrade the C64 if you can't? (This is reprinted from his letter verbatim, by the way -TMB.)
2) Is the Street Fighter 2 Championship

## Down

1 Brat who beat the Space Mutants (7)
2 Opposite to subtract (3)
3 Temporary memory (3)
4 What you do when you want to keep a program on tape or disk (4)
5 Storage media (4)
6 See 18 across
8 The C64 has 64K of this! (6)
9 Short for picture (3)
13 You would use an AR Cartridge or reset switch to enter these (4)
15 and 17 - Codename RoboCod! $(5,4)$ 16 Produces sound on the C64 (3)
18 Brains of the computer (3)

- Answers on page 66.


## SHORT SHARP SHOCK TREATMENT!!! <br> Why isn't Agent Kittyhawk included on

 the Powerplay page?Gary Halliday, Liverpool.
Talking of Kittyhawk, has anyone actually seen her around recently?

How come games about football clubs like Manchester United Europe, Liverpool Arsenal and Leeds are being released but as yet no-one has done a game about Tottenham Hotspur, who are the best team in the land?
Mark Inman, Pontefract.
No one has done a game based on Spurs because the softies have targeted the stars (eg, Gazza, Lineker and Gary Mabutt) rather than the club. As to your second question, Bristol Rovers of course!

Please, please, please, please tell me where can I get a pinball game for my C64? I would be very grateful.
Jane Syme, Quinton.
There are a few commercial games, but they may be a little hard to come by: 3D Pinball (Mastertronic = 081960 2255), Time Scanner (Hit Squad = 0618326633 and Pinball Construction Set (Ariolasoft). All these are a little old, so your best bet will be the Public Domain. I know
Kingsway Computer Services have some dead playable pinball sims. Send an A5 SAE to KCS, 72 Glencoe Road, Sheffield, S2 2SR for full details.

Referring to the competition in CF29 about turning films into computer games- how about a nice family game of Death Race 2000? That should keep all 'parents' happy Brer, Reading.

Neat idea, but a little confrontational! The current crop of do-gooders wouldn't like it at aft. They want kids to go back to safe pastimes like playing at war with replica firearms. Hmmm. By the way there was a game called Death Race from Atlantis many moons ago, but I am reliably informed that it was not based on the film.

Have you ever thought of being famous in a McDonald's restaurant (served as food)? Wan Loon Yau, Leicestershire.
Curiously enough, no! And I'm sure McD's wouldn't want me getting involved in the food chain either.

On the Mega Drive is there a cheat for Sonic 1 and 2?
Marl Wadham, St Austell.
Yes, of course. WHY?
Could you tell me if you're married? If so what's your wife called? Neil Graham, Scarborough
You lot just have to keep bringing up this subject, don't you?! Just what is the fascination? Look, l'd really rather not

Edition going to be released on any format? 3) Is Zool going to be released on the C64? 4) Can you get any other languages on the C64 except BASIC?
5) In CF29 in the Street Fighter 2 review, what machine are the big sprites from? 6) When is Trolls being released on the C64? 7) Are you going to review Street Fighter 1 ? Gavin Davis and Craig Walker, Mansfield.

1) First let's sort out that term 'upgrade'. I take it you mean any major hardware improvement that will increase the power or performance of your computer. In these terms, yes it is possible to 'upgrade' your C64. There are accelerator boards to improve your machine's performance, high density 3.5 -inch disk drives and even hard drives. Most of these, though, aren't available in the UK. However, we are trying to get hold of a number of these widgets for a feature in the future.
2) With all the hype this game has generated, it's hardly surprising that this 'Rolls Royce version' has been linked to a number of hopeful formats. At the moment, though, there's no news, just lots of rumours!

There are no firm
plans, but Alter Developments - the folks who are putting Lemmings together for the C 64 - would like to have a shot at it. And from what we've seen of Lemmings so far (and you'll be able to see soon when we feature the demo on our Power Pack) they appear to be up to the challenge.
4) Yes, hordes. Most 'popular' - I use this term loosely - computer languages have been adapted for the C64.
5) They were pre-production graphics from the Amiga version of the game.
6) Right about now, in fact!
7) Been there, done that. CF30, page 51, 36 per cent. Where were you?

TMB

## ROCFB AN• OTH: <br> Dear TMB

1) Does anybody like Frames? If so who? 2) What is the address for GamesMaster? 3) Please print this letter because I really do like your page a lot.
2) I recently got a Sega Game Gear. What do you think of them? 5) Why do programs like Bad Influence and GamesMaster ignore the C64?
3) Do you like the SF programme Quantum Leap?

Alex Smith, Essex. PS By the way, it's me from CF21. You know, I

## READER'S CHARI!

Yikes! Time for the tired old Radio DJ impression to introduce Thomas McDonagh of Ballybane and his amazing reader's chart! No! I can't do it...
1 DJ PUFF (CodeMasters) CF22, 88\%.
2 THE SIMPSONS: BART VERSUS THE SPACE MUTANTS (Ocean/Hit Squad) CF16, 90\%/CF31, 92\%.
3 LOTUS ESPRIT TURBO CHALLENGE (Gremlin) CF6, 90\%.
4 GRAEME SOUNESS SOCCER MANAGER (Zeppelin) CF24, 71\%.
5 TERMINATOR 2 (Ocean) CF13, 78\%.
6 INTERNATIONAL KARATE (System 3) Not reviewed.
7 OUT RUN (US Gold/Kixx) CF3, 75\%.
8 TURTLES 2: THE COIN-OP (Mirrorsoft) CF14, 89\%.
9 BATMAN THE MOVIE (Ocean) CF14, 86\%.
10 GOLDEN AXE (Virgin) CF20, 89\%.
This month we've not got a soundtracks
charts but a - rather specialist - music
chart instead. This time it's been picked
by a certain Ms Jenny Arlott, of Surrey.
"Rave on!" as they used to say a few years back but I understand is deeply unfashionable now!
1 RADIO BABYLON
Meat Beat Manifesto
2 NEVER STOP Front 242
3 DIG IT Skinny Puppy
4 COME DOWN HERE Chris Connelly
5 FOREVERGREEN Fini Tribe
6 MINDPHASER Front Line Assembly
7 THIS IS WHAT THE DEVIL DOES Thrill Kill Cult
8 WAHRE ARBEIT, WAHRE LOHN Die Krupps
9 MAGGOTS Maschine Manitou
10 CONTROL, IM HERE Nitzer Ebb
Can you come up with a
weirder or more
obscure list? If so,
drop me a line -
they make 'curi-
ous' reading.

Jingle, jangle,
jewellry,
jewellry, jan-
gle. Owzabout
that then?
(Rubbish,
actually! -Ed.)

asked you for the passwords on Repton 3. l'd just like to say thanks.

1) Well Mr and Mrs Frames don't mind him too much! James Leach claimed to be his friend, but left the mag within days of saying this. And Steve Jarratt, the guy who recruited the penny pincher, can still be traumatised by the very mention of the ' $F$ ' word! 2) Well there are two. The TV show can be contacted at GamesMaster, PO Box 91,

London E14 9GT. The magazine can be contacted by writing to GamesMaster (or, for a real jape, call it JamesMaster), 30 Monmouth Street, Bath, Avon BA1 2BW.
3) Fine. Flattery will get you everywhere.
4) They're fine for mobile gaming. Personally I prefer to read when I'm on the bus (and when exactly did you last do that? $-E d)$. They do, however, double up neatly as a portable TV (for some extra dosh-Ed). 5) Lack of taste, mainly.
6) Rather! Although I'm not that big a fan of Tina's ear-rings!

## тMB

## EVERYTHING BUT THE GIRL

Dear TMB,
Answer my questions or die!

1) I was looking through my CF7 POKEs booklet and saw a poke for Mario, so is it possible to get it for the Commodore?
2) Can you tell me where to get Chuck Rock? 3) Is it true what they say about Trolls graphics - because I don't believe you? 4) My friend says that Sim City is good. What do you think about it?
3) Do you have a girlfriend - possibly Clur? Jodie, Knockin.
4) Yes, there was a conversion of this VERY early Mario adventure. It was by Ocean and released in the summer of 1987. In general Crms what I call Mario is the generic style of game that particular quality and legendary playability - the total package! So far, we've seen nothing like SMB 4 or 3 , not even the far more primitive SMB 2, on the C64! 2) Talk to Core Design च 0332 297797. They should be able to help.
5) Don't worry about what we say. See for yourself by looking at the full review on


## FOR SALE

- C64 games for sale. Old and new, from 30 p to $£ 6$. Send SAE for a full list and information to 4 Tunstall Grover, Hartleypool, Cleveland TS26 8NH.
- For Sale - Back Issues of CF at half price including P\&P. Contact Andrew = 0539728280


## WANTED

C64 Star Trek and Thunderbirds tapes (if they're available). Any other Gerry Anderson C64 tapes. Also Dr Who C64 tapes. Please help. = 0375679555 (Evenings only)

## USER GROUPS

Long-established user group. Discounts, contacts, second hand sales service, newsletters, etc. For free pack send SAE CCC (CF), Box 121, Gerrards Cross, Bucks, SL9 9JP. = 0753884473
page 56. It should answer all your questions - as long as they're questions about Trolls, that is!
4) I'd say it's Chaotic Neutral. As a game, though, the mix of planning and swift action make it a minor classic. It has its odd moments, but it is fun. 5) The horror, the horror! No. Please, even in jest this is far too terrifying to contemplate. (What was that Brain? Clur). Nothing, Ma'am!

## TMB

## AGENT KITTYOFF

Dear Mighty Brain,
Do you think your simple brain cells could answer some questions for me?

1) What is $\pi r^{3} \times 59872^{7}$ (because my C64 refuses to tell me )?
2) What's the meaning of life?
3) Will Clur ever star in a strip poker game like Sam Fox? I reckon I'd would pay a million pounds for such a game!
4) Have CodeMasters got any plans to release a Slicks 2 ?
Everyone deserves at least one shot at fame, so please print my letter! Newt Av Atts
PS Do you think that even Bono from U2 would lead a better lifestyle with a C64?
5) Sorry, what was the value of ' $r$ '?
6) That would be telling. 3) I think not! Despite her failings Clur is an upstanding person, and would willingly smash her Commodore repeatedly against anyone who tried to code such a game. Clur's flattered - but she's really not that kind of gir!! 4) Not as yet. But they'd be foolish to miss out on the follow-up opportunity.

But surely if everybody was 'famous' then we'd all be the same and then no one else could be famous and...
 operating operating system, so a format can consist of a number of different machines - eg, C64, C128, C128D and C64GS. So the C64 is a format and 'erm, so are we...
2) Well, there are very few games for the C64 involving horses, really.
You see it's the problems they pose the animators. You know Muybridge opened a real can of worms with his studies of motion...
3) Don't panic. Don't get too excited. Mario Is Missing is an educational game, so you're not missing out on much.
4) There certainly is, on Kixx, Kixx, Hit Squad, Hit Squad, Hit Squad and Kixx respectively each about a year after their original release as full-price games.

## TMB

## INTENSE VISUALS!

Dear TMB,
I'd like to say at this point you are the most intelligent being in the universe, so could you answer my questions. But first, there is a game called Highlander-it's by Ocean and I've got it! Grr... (and it's a real dog, isn't it? TMB) Anyway on with it.

1) How dare Frames give Trivial Pursuit 33 per cent?! It deserves about 75 per cent! Why don't you start a 'Get Frames Outl' Campaign? 2) When is Mayhem In Monsterland going to be released? (Thanks for the SEUCK features by the way!)
2) What's Trenton's fave strategy game?
3) What's your opinion of The Big Box?
4) Bad Influence recently gave out a C64
cheat? Will GamesMaster?
Yours formattingly,
James Ainsworth, Accrington.
PS Stay hungry!
5) Now as I mentioned once before I'm plotting to this end right now. My scheme has
been in operation for the last few month's and are set to come to fruition over the next two weeks. Watch his space is all l'tl say. 2) Mid-summer, probably. You're welcome. 3) It's Squad Leader - Cross of Iron. This is a table-top wargame that recreates battles from the Allled advance in 1944. Trent spends hours playing it. On computer - for the moment - it's Football Manager 3.
6) Well, it's quite big and definitely exhibits box-like tendencies.
7) Unlikely, unless, that is, GamesMaster suddenly receives hordes of mail demanding that they pay the C64 some attention.

## PS The devil don't scuba dive!

## DOWN IN FLAMES!

Dear Mr Brain, or may I call you Mighty? Congratulations on your section in CF which is always entertaining and informative. That's enough creeping, now answer my question.

Why are shoot-'em-up games so difficult to complete? Take, for example, Slayer on your covertape. I gave up on this quite brilliant game because I couldn't even get past the first section. They should be made progressively tougher as you proceed and not impossible right from the start. Daedalus was also difficult, but with the Action Replay cheat you can see the entire game and marvel at the graphics. Stuart Brown, Essex.

The fatuous answer here would be, "Of course they're hard to beat, that's the whole point". This is not a fair comment, though, and I understand the problems you face. Shoot-'em-ups, maybe more than any other genre, suffer from the instant playability problem. The split-second after loading both the arcade veteran and the computer novice have to be accommodated. And you can guarantee that if one person finds it too tough, another will find it too easy. For a more detailed exploration of this topic, though, turn to page 48 for the CF Guide to the Ulitimate Gun Fight.

## CAR WARS

Dear Mighty Brat,
Sorry, I mean, Brain. I'm worse than you, if you know what I mean. (Er... no - TMB.) 1) Why haven't you reviewed Lotus Turbo Challenge 2 yet? It's been under one month away for ages and other games have passed it, been reviewed and then gone on sale.
2) CF29, what can I say but hopeless!
3) CF29 - brilliant!
4) You said you would like either a Triumph Herald of a Ferrari Dino. Why not splash out on a Lotus Esprit 300, an Elan or a Jaguar XJ220. They're a lot better.
Answer these questions as I have a bet for a fiver with my brother that you will print this. Edmund Clarke, Banham.
 Pursuit review on page 49 of CF30. See the screenshot? (In fact, it was also used for the Charts on page 31 of the same issue economically minded Prod Ed.) Look closely. The name of the player is Clur! As there is only one piece on the board either Roger Frames is a screaming transvestite (excuse me!) or he does not exist! Don't even try to say that it is a screenshot from the past as you have

1) Because it's not finished yet. We can't play the game until the programmers have written it. So far it's been imminent for quite a few months (hence its position on the Scanner) but never ready for release.
2) Fool!

## 3) Genius!

4) I actually said that I'd like a Triumph Herald, Ferrari Dino or the 237 in London. I picked these vehicles simply because I like them, not because they're the fastest! The Herald was a fun - ie, totally overpowered - British convertible with classic 50 s styling. The Dino just has to be the most beautiful car ever to leave a production line and the 237 ? Well, it takes back to my days when I used to commute to St Mary's Studios in Twickenham. I remember once, Bogart had just finished The African Queen and... (CUT! - Ed)

Such blackmail is outrageous. But since you asked! (And do I get my cut of the fiver?) TMB

## HOW TRIVIAL?

Dear TMB,
Eureka, I have it! Living proof that Roger Frames is not real! Have a look at the Trivial
never previously reviewed the game. Whoopie (and other such odd sounds). Paul Cardno, Formby.

As you may have noticed, CF no longer uses photographs of games. We use an image-grabbing system that links our C64s to the Macintoshes that we create the mag on. This system is expensive. Roger is clumsy. The potential costs involved are horrifying. Since he caused a near disaster some four month's ago Roger is not allowed to use the 'grabber'. Clur - and she's dangerous enough - does Roger's grabs for him now, hence the name slip.

TMB

## THE END

Bye then! Don't worry, I can clear up, you just run along and enjoy the rest of the issue. Make sure you drop by again next month. We could have a cuppa, or a chat. Oh I see - you can't make it. Why not drop me a line then?

Anything you've got to say? Any point you want to make? Any view you to want to express? Then send a letter to The Mighty Brain, Commodore Format, 30 Monmouth Street, Bath, Avon BA1 2BW and, who knows, you might contribute the greatest letters section the magazine world has ever seen! TMB scans every letter sent in every month, so he will see your words of wisdom. Please don't send SAE's as TMB can't reply personally.

Oh yeah, before I go, l'd just like to ask you all what you call those little triangular bits that you collect in Trivial Pursuit? Wedges, pieces of pie, segments, cheeses? Let me know!

## 

Yes, it's another plug for our new small ads section. As I mentioned last month, from now on you'll be able buy, sell and barter thangs via the pages of $C F$, the biggestselling Commodore mag in the Galaxy.

To place an ad all you have to do is fill out the form below and send it to:
'Uncle Dave's Buy-a-Rama,' Commodore Format, 30 Monmouth Street, Bath, Avon BA1 2BW.

And all it costs is $£ 5$ (payments by cheque made payable to Commodore Format) per ad, to make sure that your ad will be! seen by tens of thousands of people, so it's a bit of a barg' even by Roger's standards. There are a few ground rules, for your protection:

1) Commodore Format will not support piracy. Any ad which appears to promote such practices will not be carried.
2) We will need your address in case of queries, but will only print your phone number - unless you haven't got one, that is.
3) We will do our very best to place your ad in the next possible issue. Printing deadlines, however, may occasionally force the ad to be carried over to the following month. Sorry about that.
4) Commodore Format reserves the right NOT to run an ad if it appears to contravene the spirit of the section. Ads to appear in the May issue of CF(34) must reach our offices by 5th May.

## NAME

ADDRESS

## TELEPHONE

Classification: Tick box; For sale Wanted Services User groups IDher



## SIX OF

 THE BESTDear Inside Info, 1) In CF28, there was a letter titled 'ROM REFIT'. I liked the idea of changing the Basic commands so I typed in the POKEs provided and waited for a while. But when the prompt reappeared, I realised that nothing had changed. Please could you tell me what I should do. I realise that I need a machine code monitor, but what are they and where can I get one? 2) How can I display a clock (machine code
or Basic) which has colons between each two numbers (ie, 12:25:30)? I know how to display and set the system's clock but all attempts to get this sort of effect have failed. 3) How can I have a disk directory in a program without clearing the present memory? 4) Is there a POKE which disables the SHIFT and CLR/HOME keys in a Basic program? 5) Is there a CHR\$ code for RUN/STOP? 6) If not, how can I use it (like, for example, the way it's used in Super Huey II, where RUN/STOP starts the engines)? Andrew Adamson, Belfast.

1) A machine code monitor enables you to look at what your computer is processing and what's in its memory. You


- How can I list just one line of a Basic program instead of the whole program? Mark Lee-Ray, Nottingham.
Just enter LIST followed by the line number. So to list line 10 of a program you would give the command LIST 10 .
- Please help me find a Commodore 64
IEEE interface expansion card. A Davies, Kidderminster.
Meedmore Distribution Ltd ( $=051521$ 2202) will be able to help you out. Their stock code for the IEEE card is A0141 and, including VAT, the cost is $£ 84.00$. They will accept telephone orders although they are mainly a supplier for shops.
- Which of Datel's two addresses should I write to if I want to purchase goods? Also, if

I bought a 1541 disk drive from them, would it be under guarantee and, if so, how long would it last?
David Costello, Ireland.
Either address is fine, but I always use the Govan Road, Fenton Industrial Estate, Stoke-on-Trent ( $=0782$ 744707) one. The drive comes with a one-year guarantee.

[^1]can then make alterations to that code directly on-screen, either in the form of machine language instructions or just numbers. Machine code editors are included on most programming cartridges, such as the Action Replay.

Try the following program which uses the technique to change the SYNTAX ERROR message and the READY prompt.
10 FOR X=40960 TO 49151: POKE
X , PEEK ( X ) : NEXT X
20 FOR $\mathrm{X}=0$ TO 5: READ Y: POKE $41525+\mathrm{X}, \mathrm{Y}$ :NEXT X
30 FOR $\mathrm{X}=0$ TO 5:READ Y : POKE $41848+\mathrm{X}, \mathrm{Y}:$ NEXT X
40 POKE 1,54
50 DATA 083,084,085,080,073,196: REM ASCII CODES FOR "STUPID" 60 DATA $005,067,070,051,050,154$ : REM ASCII CODES FOR " (WHT) CF32 (BLUE)"
2) To find out why the line I'm about to give you works, take a quick glimpse into the past, in particular to CF29's Inside Info. Display the clock with:
PRINI LEFTS (TIS, 2) ": "MIDS (TIS, 3, 2) ":

## "RIGHTS (TIS, 2

3) This little routine is quite funky, and should do the trick:
10 REM BASIC DIRECTORY BY J.FINCH
20 DEF FNA $(\mathrm{X})=\mathrm{ASC}(\operatorname{A} \$+C H R \$(0)): \mathrm{DEF}$ $\mathrm{FNB}(\mathrm{X})=\operatorname{ABS}(\mathrm{FNA}(0)<>\mathrm{X})$ : OPEN $2,8,0$, " $\$$
30 POKE 199,1:GET\#2, AS:IF FNB (34) THEN 30
40 PRINT AS; :GETH2,AS:IF FNB(0) THEN 40
50 GET\#2,AS,AS, AS:IF ST<>0 THEN 70
$60 \mathrm{~A}=\mathrm{FNA}(0): \mathrm{GET} \# 2, \mathrm{~A} \$: \mathrm{A}=\mathrm{A}+256 * \mathrm{FNA}(0)$ : PRTNT:PRTNT A; :GET\#2,AS:GOTO 40 70 CLOSE 2:END
4) Afraid not. If you're trying to stop people clearing the screen during an INPUT or something, try printing a quotation mark first. The following crafty trick places the codes for a quotation mark and then a delete into the keyboard buffer before doing
the INPUT. This makes everything come out as control codes. Unfortunately if the person using the programs knows a thing or two about controls codes it's easy to get around this (but I'm not going to tell you how here). Try:
10 POKE 631, 34: POKE 632,20:POKE
198,2:INPUT"TRY CLEARING THE SCREEN";AS
5) Again, the answer's no, l'm afraid.
6) You can make the 64 detect if the

RUN/STOP key has been pressed, though, in the same way that you can make it distinguish between the left and right SHIFT keys being pressed. Watch the Information Bank in the coming months! (What is this -a cliffhanger serial? - Ed.) (Yes! - Jason.)

## SPLTT

 PERSONALITYDear Inside Info, I have a few questions to ask the best section in Commodore Format. 1) Is there a POKE or short program to make the C64 think that it's two 32K
same memory as the 48 K and if so what happens to the other 16 K ? Can you access it? 5) Can you recommend any books on machine code?
Chris Alcock, Warrington.
PS: Please ( 10 times) answer these ques-
tions or I will take my Commodore 64 to bits and smash all the microchips with a hammer and burn the rest.

1) What a curious idea. Why would you want to do this? The only thing I could suggest to make your C64 think it was two separate machines would be to slam an axe down on machines would be to slam an axe down on
it, somewhere around the middle of the keyboard. Alternatively, use the method described in your Post Script to make it think it's lots of machines, although this is think it's lots of machines, although this is not recommend under any circumstances. 2) Well, I reckon it would be a good idea, though the final decision is up to that great and glorious editor who men have come to know as... er... thingy.
2) Enter S"FILENAME", 1,C000,D000 at the dot prompt to save described in your Post Script to make it
machines because l've heard that

## SARTATGEV

 8. HoTVARY
## SHOW OFF SARACEN

Dear Inside Info, Could you please tell me in my own programs. Saracen Paing. Australia.
Kimble Young.
Yes, but first some technical info. Saracen Paint files load from $\$ 7800-\$ 9$ FF9 in hexadecimal which gives you about 28 K for Basic programs. The picture itself is stored at $\$ 7 \mathrm{C} 00-\$ 9 \mathrm{BF}$ F with the screen map and colour information at $\$ 7800-\$ 78 E 7$ and $\$ 9 \mathrm{C00}-\$ 9 \mathrm{FE} 7$ respectively. The background colour is stored at $\$ 7$ BE0.

Take it from me this arrangement is pretty stupid because it crosses two memory 'banks' and so the picture can't be displayed without teleporting the whole thing through memory to somewhere else. In Basic, that would take forever. Below I have included a Basic loader for a machine code routine that will display a picture that has already been loaded with LOAD" Fi lename", 1, 1. Following that is a Basic program that does the same thing as the machine code routine for you to compare speeds. If you haven't got a stopwatch, IIll tell you that the machine code version (sys 49152) takes a sixth of a second to do, whereas the Basic version (lines 180-280) takes a leisurely three minutes. The Basic version also shows you how to load a picture from within a program and how to revert the screen back to normal. Lines 140 and 150 put the appropriate prefix on the filename.

does this for the Amstrad CPC6128? 2) Will there be a machine code tutorial in a future issue of CF? I want to learn how to program in machine code as I have already pushed Basic to its limits.
3) Could you tell me how to save bits of memory to tape from the Action Replay MkVI's machine code monitor? 4) How do you make a C64 emulate a Spectrum 48K? Does it have the

## TECIY TIPS 45

70 REM PROCRAM PESTARETS WHEN LOAD IS DONB AND THEN JUMPS TO LINE 180 POKE $56576,148:$ POKE $56578,63:$ RSM
SNITCA TO BAIVK 3 NCLNAS $53270,216:$ RBM 90 POKE 53272,56: ROKE $53270,216:$ NGM SWITCH TO NDW EHTCH TO BITMAP WODE 200 Pors $53265,59:$ REX
$210 \mathrm{FOR} \mathrm{X}=0 \mathrm{TO} 7999$
210 FOR X=0 T0.7999
290 POKE, $57344+\mathrm{X}$, PEEK $(31744+\mathrm{X})$ :RRY COPY $)$ BTTNEP TO S5G00 BTHMAP
NTDM X

240 ROR $\mathrm{X}=0$ T0 999

So poke $52224+\mathrm{X}$, P9ER ( $30720+\mathrm{X}$ ) :RBM COEY
SCREDN TO \$OCOO-
60. PORE $55296+x$, PDE

## QOIDOR TO $\$ 7890$

70 Noxl x
80 POK15. 53281, PERK (31728)
290RPA WATT FOR ANY KEYPRESS
100 poks 198,0 thatl 198,1 :moke 198,0
310 RTM RSSIORE ALT POINIERS TO NORNET.
320 POKE 56576,151
330 POKE 53272,21 : PO: 53270,200
340 P0k2 53265,29 PRINA ChRS (147)

## COLOUR CLASH

Dear Inside Info.
Sometimes when I'm using Saracen Paint. Sometimes when imed change to the current
the colours I've used painting colour without me touching them. Is
this a bug in the program?
Sadaf Khan, Accrington.
No, it's to do with the fact that the C64 will only normally allow you to display four differin each $8 \times 8$ pixel character
square when you're in mulsquare when you re in mul-
ticolour mode; the background colour and three others. So if you try to add a fourth colour, one of the other colours will change so that there are only three different colours in that square. There are 40 of these squares across the screen and 25 down. With a bit of care and patience you can ensure that colours don't clash.

## 40 TECHY TIPS

the memory from \$C000 to \$D000 (you have to use hexadecimal) to tape.
4) You write a clever piece of machine code to do it. There was a Speccy emulator around quite a few years ago but it never really took off. It's a matter of changing the Basic interpreter, the character set, and a number of other things, so that the computer is fooled into thinking that it is an inferior machine. As to the other 16K; the code that controls the emulation occupies a dirty great chunk of it.
5) A number of books about machine code have been published over the years, though unfortunately most of them are currently out of print. One that I own


64 Assembly Language by Bruce Smith (ISBN 090681296 8). However, you'll probably end up having to buy one second-hand. Otherwise, your local library may have a book or two on the subject. Or how about putting a 'Wanted' advert in Uncle Dave's Buy-A-Rama, CFs brand new and rather spiffy classified ads service? Check out page 43 for details.
 know how to order the computer to choose one. What do I have to do? 2) Also, could you tell me how I could get the C64's internal
...INFORMATION BANK.. ...INFORMATION BANK... ...INFORMATION BANK.. ...INFORMATION BANK... Saying one thing but meaning another - it can be dead confusing, or even downright rude, but our Jase is an expert at getting a 64 to do it (for security reasons, of course).

## REM ARKABLE

Have you ever wondered how you can make strange things happen when someone tries to list your programs - such as having the screen blank out or having everything go into lower case? You could make all your program comments go white and have everything else in the normal light blue. It does require a bit of concentration but once you get the hang of the method it's quite simple. The command you need to master is REM.

Next month l'll show you some of the really impressive things REM can do (ah, leaving us on tenterhooks again - Eq). But as a teaser, here's how you can make the whole, or part, of a line disappear, or make a line say something completely different to its actual function:

1) Type 10 POKE53280, 0 : RBM exactly as shown without any additional spaces - do not press the RETURN key yet.
2) Type in two quotation marks (hold down SHIFT and tap the number 2 key). 3) Now press the key marked INST/DEL to delete the last quotation mark you made. 4) Hold the SHIFT key down and tap INST/DEL 16 times. Not a lot should appear to happen, but it's vital you do it. Just trust me, I know what I'm doing, okay!
3) Now release the SHIFT 5) Now release the SHIFT key and tap INST/DEL another 16 times. This time you
should see 16 reversed T's appearing should see 16 reversed T's appearing.
4) Type the word PRINT and hit the RETURN key to enter the line.
5) LIST the program.

If you have done everything right, you should see 10 PRINT. However, run the program. The border colour should change to black, despite the only line being 10 PRINT. Eerie, isn't it?

Before I describe the more complicated things that you can do with REM, which will be next month, you need to understand why that works, so have a scan of what happens at each stage:

1) Here you're entering the line you need
for the function yu want carred for the function you want carried out, then adding a REM statement at the end. 2) This line allows you to enter a quotation mark and still be able to delete.
2) What this does is leave one quotation mark which makes the computer goes into
what is called 'quete what is called 'quote mode' when the proggy is listed.
3) This inserts 16 spaces into the listing. 5) Next you fill the 16 spaces with 16 control codes for deleting. Up to this point, when you list the program it will list everything as required, but the delete codes will then delete it all again, back to the line number.
4) This gives the computer 6) This gives the computer something to display on screen - it's just part of the REM statement and won't be carried out. 7) And now you discover whether you can
follow a few simple instructions or not. follow a few simple instructions or not. (Cheeky wotsit! - Ed.)
clock to start at zero and then get it to stop at a specific time of my choice? Andrew James, Wakefield.
5) To generate a random number between 1 and some maximum (MAX), give the command: $\mathrm{N}=\operatorname{INT}(\operatorname{RND}(1) * M A X)+1$. Then to pick an entry at random you would just use PRINT A\$ (N) or similar.
6) Reset the clock to zero with

TI $\$=" 000000^{n}$ - it will start automatically from there. You can't actually stop the internal clock but you can make your program do something after a certain amount of time has elapsed. For example, if you run the following program it does nothing for an hour and thirty minutes and then the word 'END' pops up on screen. (It's a bit like watching that Twin Peaks film, then - Edf).
10 TI $\$={ }^{*} 000000^{\prime \prime}$ : REM RESET CLOCK 20 IF TIS<*013000" THEN 20

## 30 PRINT"END"



## GARFIELD RULES!

Dear Inside Info, 1) Is there a way of duplicating disks without having to use two disk drives?
2) I want to be able to get a list of the programs on a disk by typing in LOAD" * " $, 8,1$, and then be able to select and run one of those programs simply by highlighting it. How do I do this? Anthony McElroy, Cumbernauld. PS: This is the first letter that I've written to you so please, please, please print it.
Okay, I'll print your letter, but only because I love with the Garfield paper it came on. 1) The majority of disk back-up utilities have an option for single-drive copying. It means that you have to swap disks an awful lot; one full side of a disk needs a minimum of three separate readings usually.
2) There certainly is. Try the following program, which you can adapt to work with my highlight bar program in CF25. The DATA should contain the list of file names, which should correspond to the games on the disk. Save it as the first program on the disk to load it the way you want.
100 REM GAME LAADING MENU BY J.FINCH 110 PRINT CHRS ( 147 ) ; "WHICH GAME DO YOU WANT TO PLAY?" 120 READ N:FOR $X=1$ TO N: READ AS (X) 130 PRINT CHR\$ (17) ; CHR\$ (X+64) ;". " $A \$(X)$ 140 NEXT X 150 GET KS:IF K\$=" ${ }^{*}$ THEN 150 $160 \mathrm{~K}=\mathrm{ASC}(\mathrm{K} \$)-64:$ IF $\mathrm{K}<1$ OR $\mathrm{K}>N$ THEN 150 170 PRINT CHR\$ (147) ; CHR\$ (17) ; CHR\$ (17) ; 180 PRTNT "LOAD"; CHR\$ (34) ; AS (K) ;

CHRS (34);", $8^{\prime \prime}$
190 PRINT CHRS (17) ; CHR\$ (17) ; CHR\$ (17) ;b CHRS (17) ; 200 PRINT "RUN"; CHRS (19) ; 210 POKE 631, $13:$ POKE 632,13 :POKE 198,2:NEW
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POSTAGE RATES - Please add 75 p for post and packaging on all orders under $£ 10.00$. EEC countries add $£ 1$ per item. Non EEC Countries add $£ 4.00$ per item Paying By Cheque - Cheques payable to Software City so why are the majority of them so awful? Trenton Webb, a man not averse to the odd bit of ultra-violence, was sent to find out exactly what makes a killer shoot-'em-up.

Killing things for fun and profit! It's what shoot-'em-ups are all about. They've been around ever since home computers kicked off, so you would have thought that by now the softies had got the formula right. Unfortunately, this isn't the case while there have been some landmark shoot-'em-ups, there have been some real dogs too, and we still see as many average blasters now as we did back in the early 80s.

Why? Well we didn't know, so we looked back at some blasts from the past to see what made the great games... er... great.

## SHIP SHAPE

You see that cigar-shaped silver thing? That's you that is! Shoot-'em-ups need cool ships. It's absolutely essential. If you're supposed to be the last hope

## DEAD MAN'S CURVE There's nothing more irritating than get-

 ting wasted repeatedly on the same part of the same level. This is where a welljudged difficulty curve is vital. On a playable' game both the arcade ace and get well into it et the fir should be able to Then, as they learn more few attempts. play they should start about the gamethrough the levels Obta to progress ner will take longer abviously, the beginthe expert, but both should get as far as battle their way ahead - if they phe able tofor mankind then you want to look good. Heroes need heroic craft, it's in the contract. As the one constant sprite in the game, the player's ship (or boat, or car, or chopper or person, or what-
\# !


You smell that? That's swiv sont it smells... it
'shooting up': Over the years vitually eve flavotr, shap. Over the years virtually every fiavour, shape, size and colour of monster has appeared, gamely flitting along just begging to be blasted. There are a few golden rules when it comes to these nasties:

1 Each different breed of monster must be easily identifiable.
2 Monsters' actions must be predictabie,
though perhaps not immediately.
3 The monsters need to be dangerous. These may seem like pretty obvious points, but so many shoot-em-ups just don't live up to even these basic principles. As someone who's risking their silicon neck, you have the the 'ems' you're
a clear, crisp out line so that you can easily see where you are when the bullets start to fly - you don't want to waste valuable seconds try. ing to locate yourself on-screen. The collision detection needs to be perfect - or even slightly biased in your favour - if you're to survive those tight twists and turns so loved by level designers. But first and foremost your craft has to look good. If your ship shape sucks then your shoot-'em-up is shot.

## ENEMY MINE

Second only in importance to your transport are the folk you're going to be blowing away -


## WHAT DID YOU DO IN THE GRFAH WAR...?

So what came first the R-Type or the IO? When was Delta released? Why is there a big list of shoot-em-ups at the bottom of this feature? In answer to all these questions (and more) look no further than our exhaustive list of (almost) every shoot-'emup ever on the C64. And we've also given every single one a Power Rating; Five Stars games are the ones you should have no excuse for not owning while there are no excuses at all for owning One Star.

from the planet Spidron. So the better you play, the better-looking and more powerful your shooters should become.

## WENE COT THE POWER

Power-ups, or weapon upgrades, are essential. In some games they you have to pick 'em up to survive (Katakis, R-Type) while in others they simply make life easier and provide the graphic pay-off that helps to keep you blasting away (Silkworm, Deita). The down-side of the 'must-have' school is that you have to play a perfect game to win, while the bonus weapons system can make the firefight a bit-one sided. To balance these factors power-ups need to be well-distributed and placed for a purpose, either as a reward for topping some major beastie or to top you up just before you meet one.

## WHO'S THE BOSS?

The big boys are vital to a good blast. Their tates the way it will play. Will it be a tight flight or an open gunfight? It's fundamentally important that each level offers something new.

Also, the physical design of a level can form part of the gameplay. In Subterreana the edges of the tunnels are fatal, forcing pilots to fly through evertighter gaps. SWIV doesn't offer deadly edges, but ground-level blockages can snag the jeep.

## LETHAL <br> WEAPONS

What's the prime requisite of a shoot-'em-up? That you shoot of course. And to shoot you need a gun. Which brings us neatly around to the touchy subject of arms dealing. Computer gaming tradition states that although you're flying the 'experimental prototype' fitted with the 'latest weaponry' you always start off with a pea-shooter. This quite simply will not do!

What we really want to see is an impressive hail of white-hot laser death that cuts a swathe through hordes of attacking Zogs


If you read the plot of a shoot-'em-up and it seems to make sense - then don't buy it! sole purpose in life is to slow your progress pose major probs and kill you. That's it. There's no messing, they just want you out the way. The harder they come the harder they fall, as Jimmy Cliff used to say, and you know, he was right! The ground rules for these babies are that:
1 They're reasonably killable once you know how! 2 They flash when you hit them somewhere reasonably painful. 3 That they have to killed one bit at a time. 4 When they do croak they blow up in a big way!

Smash TV took all this into account and scored rather well in reviews as a result.

## SOUND AS A POUND

All too often shoot-'em-ups ignore the sonics side of the game. A few plinks and a


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Flying Shark (Firebird)
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| October 1983 | *** |  |  |  |
| November 1988 | ***** | Action Fighter (left | d 10 (right), tw | wo very |
| November 1988 | ***** | different games - | good, for one |  |
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## landmatik ShOOL-EKM-ULS

In the beginning there was Pong, and people looked and saw that it was goodbut it wasn't what you'd describe as thrilling. The people wanted more action, and so for their sins they got Space Invaders. They didn't exactly get much more action but they did get things to shoot, weird little noises and (eventually) a system of bonuses.

That was it. In biblical fashion Invaders begat Galaxians begat Defender begat Nemesis begat well, begat what we know today as the shoot-'em-up. SPACE INVADERS PT 1 \& 2: The first silicon killer. Part One introduced the world to the concept of electric genocide. Part Two bought us the first hidden bonus. All very static, all very slow, but the machine's still worth a blast - if you can find an original!
calaxtants: (aka virtually anything beginning with 'Gal'): This was Space Invaders' with action, with lights, with colour and with strange little blokes who fell off of the end of the line and swooped down to attack you.
PHOENIX: This baby shocked the world - and a fair smattering of arcade heads when it featured the first ever end-of-level guardian. It could also claim the first Power Up with its shield. But as shields aren't very hard we'll ignore it.
XEVIOUS: "For the first time - without the aid of a safety net - we will have inde-pendently-scrolling levels. Notice the way the world slides beneath the ship, gasp at the smooth animation..." Get the picture? DEFFINDER: Made by the best of the
best, Eugene Jarvis. This was a real
killer development. Smart action, smart bombs, the rescue scenario and the speed of the thing! Not that he felt the need to stop there; he also wrote Robotron 2084, Joust and Stargate! SCBAMBLE: A horizontal
scroller. This set the tone for the left-toright tradition still followed by
shoot-'em-ups today. It also introduced the concept of deadly scenery.
ROBOTRON 2084: Played Smash TV? Then you've played this! Well, almost.
Another Jarvis production, it used a stunning mix of two-joystick control and the overhead view. Fast, simple and vicious. NEMESIS: This is THE game, the ONE that started it all. It established the blueprint for ALL shoot-outs that came afterwards. It had progressively difficult levels, a backdrop that scrolled, a different graphic theme for each level and collectable power-up weapons. It was the dog's, well, erm, bits.
A-TYPE: Although this has a heavy Nemesis flavour, it did introduce some new ideas. Firstly there was the rather neat pod, an out-rider that you could control, and then there was the entire level as one baddie kind of thang. All very scary.
static SsssshhhKKK are all you get (sounds like Alka Seltzer - Dave). Yet properly used an audible warning or a decent explosive roar offers far better return for a minimal level of work on the coder's behalf. Even music can help if it varies and changes with the gameplay, or even just goes spookily silent when you hit the end-of-level meanie.

## If TAKES TWO

What could be more fun than laying waste to an alien world single-handed? Doing it in stereo! Simultaneous two-player stuff is the biz when it comes to slaughter-fests. Not only can you aid and support your pal by setting up vicious crossfire (eg, Silkworm, Forgotten Worlds) but also nick any bonuses that they liberate (he does as well - Clur).

## WAVE VARIETY AND THE RANDOM FACOOR

No, they're not one of Dave's fave modern beat combo's but a vital part of a game's lastability. Did you ever play Galaxians? Boring, wasn't it? All the little devils ever did was peel off from the end of each wave and bomb you at the bottom of the screen. Great for 10 min utes but once you learned which way the next faller was coming from it offered no new surprises. This is the trap that many shoot-outs fell foul of in the early days. The same-style wave of same-style aliens would slip in time and time again so you knew where to hide and how kill them. The road to success, it seems, was a decent memory. If you knew the route then you could almost make it through without firing a shot. R-Type and Dragon Breed were guilty of this.

It doesn't have to be this way. Smash TV proved that. Based on a Williams' arcade (that, in turn, was based on the Williams' arcade Robotron 2084) the enemies exhibit classic gameplay overtones. Here, rather than having a wave pattern, all the enemies
have a logic or hunting pattern and your actions can attract them or cause a change in their behaviour. If you spy an original Defender machine, have a blast; every game is different because every time you play you'll do something different - no matter how small - which affects the behaviour of the enemies.

This variety, the surprise factor, helps keep the gameplay fresh. If every game is different, then it pulls you back for another game and then blows you away in a totally unexpected fashion.

## WHAY'S THE PLOT?

We've all played shoot-'em-ups which offer ship-loads of bangs and bullets but somehow remain breathtakingly boring. These can be perfectly well programmed - solid software that's only missing a little personality.

Shoot-outs need crazy plots, schemes so silly that you know you're in for a rip-snorting, noholds barred blast, that's more interested in the fire-power than narrative accuracy - Mutant Camels anyone? If you ever read the side of a shoot-out box and the story makes sense, put it back and buy something silly; it'll probably be more fun!

Back when the music singles chart actually mattered, the recording industry buffs would describe the catchy bit of a tune as the hook'. In the games world this is called the Unique Selling Point (USP), the bit that makes it different. Shoot-outs desperately need a USP! There have been so many
Dragon Spinit (Domark)
Retrograde (Thalamus)
Insects in Space (Hewson)
P47 Thunderbolt (Firebird)

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| Sonic Boom (Activision) | August 1990 | ** |



MERCS (US Gold)
Rubicon (21st Centu Smash TV (Ocean) Super Space Invaders (Domark Catalypse (Genias) Q10 Tankbuster (Zeppelin) Evie Baron (Zeppelin) Gladiators (Alternative)

## THE SEVEN DEADIY SHOOT-r:M-UP SINS <br> Things that shoot-'em-ups definitely SHOULDN'T have...

1 An insanely tough first level.
2 Bosses that don't flash when you shoot them where it hurts.
3 The same graphics and threat on every level - yawn.
4 Infinite continues.
5 A convincing plot.
6 Enemies that appear from nowhere.
7 Enemies that look the same but do different things.
8 Dead ends.
9 Unreachable power -ups.
10 Ten things in a list of seven.
blasters over the years that any new shoot-em-up must offer a new twist.

In $R$-Type they used the pod; in SWIV and Silkworm it was the jeep/chopper link-up; in $x$-Out you got to choose your own weapons; the list is endless (or at least reasonably lengthy).

## RFSTART polnis

It's a sad fact of life that in shoot-'em-ups you get killed. Some games let you restart where you were killed and others whip you back a few screens to a restart point. Those that let you carry on, MUST make you invulnerable for a few seconds

Restart points can be a blessing or a curse. They're good news they take you back to a point before a useful power-up but bad if you have to keep playing the same stage time after time. Good re-start points should provide a safety net against slip-ups and be common enough to give you a sense of progress.

## MAKING A SPECIACLE

The shoot-'em-up, more than any other game form, relies on spectacle. High-speed action and huge explosions are what push the 'Wow-O-Meter' into the red. After this come big-sprites (okay, tech buffs, large groups of sprites that combine to form a single animated graphic) which are usually the end-of-level bad guys. Then, there's the weaponry and the backdrops, both of which should be as spectacular as possible. The more they make your jaw drop, the better the shoot-'em-up.

## IN COLISION

To bring all these disparate elements together would be a tough task (although SWIV comes close). But the essentials any shoot-'em-up should have are: a hyper-cool ship that looks good and flies well; themed aliens who do what you expect but not when you expect it; levels that not only vary the look of the game but the gameplay as well; hordes of weapons that can be powered up, improved and swapped; huge end-of-level bosses that are stunning to watch and tough to kill; a wow-factor that'll have you dragging your mum in to watch; smart sounds that add atmosphere and warn of dangers; two-player action; and enough random elements to keep you on your toes in a predictable kind of way.

Bung in a few minor things like good restart points and a decent difficulty curve and you'll have yourself a winner. It's that easy! Uh, does anyone know how to pro-


| Revolution (CF Power Pack) | October 1990 | **** |
| :---: | :---: | :---: |
| Midnight Resistance (Ocean) | November 1990 | **** |
| Wings Of Fury (Domark) | November 1990 | * ** |
| Deita (Thalarnus) | December 1990 | *** |
| Atomic Robokid (Activision) | Decernber 1990 | $\star * * *$ |
| Dragon Breed (Activision) | February 1991 | **** |
| Narc (Ocean) | February 1991 | *** |
| UN Squadron (US Gold) | February 1991 | *** |
| ST Dragon (Storm) | March 1991 | **** |
| SWIV (Storm) | March 1991 | ***** |
| Hell Hole (CRL) | May 1991 | *** |
| Extreme (Digital Integration) | July 1991 | ** |
| MERCS (US Gold) | August 1991 | *** |
| Rubicon (21st Century) | October 1991 | *** |
| Smash TV (Ocean) | December 1991 | ***** |
| Super Space Invaders (Domark) | January 1992 | ***** |
| Catalypse (Genias) | April 1992 | ***** |
| Q10 Tankbustor (Zeppelin) | May 1992 | *** |
| Evie Earon (Zeppelin) | October 1992 | *** |
| Gladiators (Alternative) | March 1993 | *** |

# pow friplay © 

Inspired by ARNIE 2, the CF crew clambered into their combat gear and headed for the infamous Wiltshire Jungle equipped with nothing but the khaki shirts on their backs, the Swiss army knives in their pockets, and a few essential items that they couldn't bear to leave behind.

## 

Okay, so CF's review system isn't complicated. But, just for the record, here's how it works (in case you've suddenly lost your senses, or are in detention on the last Wednesday before a new copy of CF and you've read everything else in the old one). We tell you exactly what we reckon are the good and bad points of each game. Easier than falling off a very slippy log.

## cF Rating



Also dead simple are these box-type thingies. They're at the end of every review and show you at-a-glance what the most important positive and negative factors about the game are.
Next to it is a percentage rating mark. 90 per cent or more means that the game is officially a Corker, and we don't give that prize away to any old trash.


It also means that if you don't rush out down to your local software store and hand over your dosh immediately, all your friends will talk about you in the most uncomplimentary terms behind your back. Such is life.

## GAME ICONS

Weird things these. We inherited them from editors past and we liked them so they stayed. Well, to tell the truth, we couldn't think of anything better. Any ideas?


FACE - Number of players. One
face - one player; two faces -multi-player. See, easy peasy.


KEYBOARD/JOYSTICK - Control mechanisms. Important to know if you don't have a joystick

MoUNTAINS - She'll be coming round the difficulty levels when she comes.

octopus - Eight-legged squidgy things with suckers signals a dreaded multiload.

coAlIE'S SHIRT - What do goalies do? Yep, a shirt means there's a save option.
"The Predator had the right idea," reckons TMB, "A temperatureregulating suit, built-in lasers and a cosy ship to go back to for a nap." But he ended up as medium-rare alien steak. "Well, I'm not planning on picking on anything with bigger guns than mine."
Ooops. We seem to have had a slight problem with the collision detection here. Andy wandered a bit too near a bush and PHUTI No more Andy! We had to leave him there, I'm afraid, because we didn't take the Action Replay cartridge with us. You'll have to take our word for it - he's in this bush somewhere


## (22) POWERIETT

## The jungle setting. The non-stop blood-fest action. The millitary hardware. The hero with the oddly-familiar name. It can be only one game -

 ARNIE! Wrong - it's ARNIE 2! Dave spots the differences.
good few things that don't as well). The route out of the camp is a circuitous one, and you there are dangers around every barracks; helicopters, armoured cars, men in lookout towers lobbing grenades, hordes of Beverly Hills 90210 fans who've mistaken you for Jason Priestly (they've been locked up for their own good) and mine fields. Once you've escaped from the camp it's on to the second mission. Somewhere in the jungle enemy forces have built a 'mass destruction weapon' which you have to locate and destroy. Between you and your objective are the usual hordes of enemy soldiers, plus some rather B-movie style spear throwing pygmies. My advice? Blast the lot of 'em to kingdom come.

Mission Two is much bigger and much more hazardous. It's almost like the main course after Mission One's hors d'oeuvres. With paratroopers swooping in when you least expect them and soldiers in armoured boats taking pot shots in your direction you can never let your guard down for an moment. It's on this mission that ARNIE 2 really takes off and proves to be a definite
 out of jungle-based military complex having successfully complete his mission to blow away everything in sight. Things obviously haven't been going quite so swimmingly in the meantime. ARNIE 2 opens with our hero escaping from a military prison camp based deep within a jungle. And pretty soon he's blasting away at everything in sight. Here we go again.

Like most Hollywood blockbuster sequels ARNIE 2 is pretty much a case of more of the same but with more of everything; more bullets, more bombs, more enemies, more missions (well, one), more action, more blisters on your thumb from yanking your

for hours on end. But 'bigger' doesn't always mean 'better' (says the man with the ever-expanding stomach - Ed). Take a look at Ghostbusters 2 and Rambo 3... actually, don't - just take my word for it. Then again, you get the occasional Terminator 2 or The Empire Strikes Back. So, ARNIE 2: turkey or box office smash?

Right, so there are two missions this time, and the first is to get the hell out of a prison camp you've somehow wound up in. You've knocked out a guard (no doubt using the old tried and trusted, "Excuse me old chap, but did you realise your shoelace was undone?" routine) and swiped his pistol. It's not the most powerful of weapons, but, hey, you're a hero, so itll do until you gun down someone who's got some heavier armament you can nick.

So off you trot, trying to avoid the guards and shooting at anything that moves (and a


## Pow $=$ RIES 3

progression over the first games and not just a rehash with a few minor cosmetic changes. Refinements to this sequel include being able to choose which weapons you want to use and when you want to use them. In the original game, if you picked up a new weapon you automatically switched to firing with that one until it had run out of ammo at which point it was discarded. In ARNIE 2, however, you can swipe up to four extra weapons off the enemy and carry them around (and it doesn't even slow you down). When you want to use one them you select it using the space bar. This means you can save your heavier weaponry for when the need arises (ie, a dirty great tank appears in your path).

In fact, it's quite possible to complete the first mission without using any of the heavier weapons, because ARNIE 2 is more of an avoid-em-up than a shoot-'em-up. If you want to complete both missions it's better to avoid danger where you can and blast only when you have to. The only drawback with this plan is that it's not obvious which soldiers are going to leave weapons behind when you blast them, so, at least for your first few goes on ARNIE 2, you're going to indulge in some exploratory massacre.

The mechanics of the thing are prone to the jitters in places; sprites vanish like they've just picked up an invisibility bonus, helicopter fire lashes across the screen a few seconds after the helicopter has flown by, that sort of thing. But none of this hinders the gameplay - it's just a tad irritating. And the collision


ARNIE starts the mission by knocking out a guard and nicking his pistol. But to survive the dangers that lie ahead he's going to need a more powerful armoury. And it just so happens that some of the soldiers ARNIE kills drop their weapons. And what else can an escaping hero do except pick them up and make use of them? He won't start blasting away with them automatically instead you have to choose which one you want by pressing the Space bar. The guard's pistol has unlimited ammo but the others haven't so if they run out, or ARNIE gets killed, then he goes back to using the pistol. The moral of this story is don't waste your heavy weapons unless you really have to.

By the way, apart from the four guns pictured here, there's also a 'Secret Weapon' to find in Mission Two, and we don't want to spoil the surprise for you (in other words, Dave hasn't made it that far yet - Ed).


## ARNIE 2

ZEPPELIN $\mathbf{-} 0913857755$ CASSETTE • £3.99 © OUT NOW


The action never lets up for moment.
Straightforward but engrossing gameplay.

There's a surprise around every corner.

There are a few minor graphical glitches.

The collision detection is a bit ropey.
DOWNERS

# 54 POWERIEST 


 ome do it standing up, some do it pirouetting and some even do it on their heads. But you have to admit that if you're going to hit someone, the natural way to do it is to clench your fist and blat 'em.

The odd thing about Fist Fighter, then, is that there's only one character who can do any serious damage with his fists. The other four fighters rely on odd tactics to beat their opponents to pulp. There's Gino, who simply draws a knife on his foes (that hardly seems very sporting -Ed) and a chap with special
psychic powers that could knock out a bad-tempered bull at full 20 paces.

Each fighter has 11 moves that he (wot no shes?) can perform in battle - 10 attacking and one defensive - all of which are joystick controlled. They also each have another, extra special, attribute: their biting wit. After every bout, they shout abuse at each other, supposedly to psyche them up for the next battle. But some of the spiel they spout is seriously amusing.

Some people might note a few similarities between Fist Fighter and a certain smash hit


SO MRAT I MASW' T COWCENTRATING
game that's been number one in the charts recently. I certainly did. Fist Fighter, at just under four quid, wins the price war if you just feel the need for any old beat-'em-up to bash around. But on most other points it takes a pasting. The sprite graphics are comparable to those in 'the other game', but you've really got to concentrate to see what's happening against the fuzzy backgrounds. Most of the back drops are brown and so are most of the fighters - Otis is virtually invisible in Egypt.

The control system is a pretty hit or miss affair. A lot of the time it's tough to get the player to do what you want; on the other hand, on when the controls are being responsive, the action tends to become sluggish.

There are five difficulty levels but only three locations and not as many combatants as other beat-'em-up's around. But on the whole, as a cheaper version of you know what, it's a bit of a barg. So if you can't wait a year for that game to come out on budget, this'll fill the gap.

CLUR

| FIST FIGHIIER |
| :---: |
| ZEPPELIN I 0913857755 |
| CASSETTE © $£ 3.99 \bullet$ OUT NOW |



COMMODORE TWINS May 1993


## E5 POWERTEST




## Trolls used to be terrifying monsters

that lived under bridges and ate babies. Now Flair are trying to convince us that Trolls are actually cute and cuddly folk with big hair. Well, it convinced Trenton, or at least it did until the gameplay started bite!

$P$lastic Trolls are making a comeback - in a big way. They first invaded these shores way back in the 70s, and once again they're sweeping the country, this time armed with even more more powerfully sickening 'cute' appeal than ever before. Each week new models of the dratted things are unleashed - surgeons, skateboarders and even, would you believe, street fighters!? So why am I being so negative? Because
these supposedly 'soft' folk are the stars of a game that has me totally beaten, that's why!

Why do people think that Trolls are cute, anyway? It beats me. Folklore says that they're all warty, come from the less interesting parts of Scandanavia, run illegal toll-road rackets and habitually deny goats their constitutional
rights. So I suppose it's hardly surprising that the game with their name is pretty evil.

Trolls is a find-'em-up set in a platformmaze. Hidden within a twisted system of walkways and walls are: a) baby trolls who need rescuing and b) the exit, which rescues you. Your mission is to visit each level of each world, bag a few babies and then high-tail it away. It may not be much as plots go, but what do you want from your plastic toys grand opera? (Uh, yes! - TMB)

Right from the start, from the first step on Level One, World One, it's painfully clear that beating this game is going to be a struggle. The baddies hide in places where it's all but impossible to 'butt' them (in classic console style you kill your enemies by landing on them with your bum) but they're always surrounded by enough bonus balloons to make the risk worthwhile.

Leaping around the various worlds takes some getting used to. For starters your Troll

can leap very tall things in single bounds. As skills go, this should be useful, helping you to reach that lofty perch where Mr Bonus invariably resides, but this is rarely the case. As your Troll bounces, you see, he can pass through higher platforms, which is fine and dandy if there are no monsters stood on them, but totally life-threatening if there are.

More strange (and I mean that in the nicest possible way) is he way that your Troll can be twisted and turned in mid-air. Sure, controllable jumps are nothing new in the world of C64 gaming, but the limits that Trolls takes it to are extreme. With a huge jump height and a high hang time you can work your blue-haired boy into almost any nook cranny - you have to, because this attribute has been mercilessly exploited by the game's designers.

You can take all the time in the world to reach the end of each level, but Trolls makes it difficult to be careful. The pace of the jumps and the speed of the monsters make nimble joystick work essential, while the claustrophobic nature of each level means that you're barely out of one frying pan before you run into another fire.

Trolls at its best is fast and frantic. The blue-one 'nings around the screen like good 'un, the monsters appear at just the wrong moment and the bonuses are tantalisingly out
of reach. Getting to the exit flag once you've worked out the route never seems that tough; the tricky bit is not being side-tracked by tempting bonuses, trying to save an extra baby or attempting to get to the end that little bit faster. These things will lead you astray; it's their job and they do it darned well!

Trolls isn't always fair. In fact, at times it seems like an outright cheat. Monsters blip in and out of existence, ? 1 De8t ${ }^{\text {they always get the }}$ benefit of collision doubt g and the postbox screen hides many dangers from view. This is infuriating in the short term and downright maddening in the medium term, but the game's always strong enough to eventually drag you back.

It's often claimed that the quality of a game can be judged by the quality of it's graphics. Normally, l'd respond, "huge steaming piles of male cow droppings!" (or something similar) to such complete nonsense but for once, in the case of Trolls, it's true! The graphics are good and so's the game. The whole thing is vomitfyingly cute: 'Candyland', 'Fableland' and the 'Cherry Soda Sea' - need I say more? Yet


For some obscure reason, best known to the mad swine who came up with the idea of plastic Trolls with Day-Glo hair in the first place, balloons provide bonus cherries!


The Cream Soda Sea is a strange and deadly place. Here lurk killer fishes and weirdy penguins who look uncannily like the Count from Sesame Street. Ha, ha ha!

"In Fableland I'll make my stand and die for Fables!" So that's where Elvis got to! (And I thought he was one of the players in World Championship Squash - Clur).

Flair have filled each of these worlds with wildly whacked-out'characters that are fun to watch but tough to beat.

If a new range of baddies for each world wasn't enough, both Fableland and the Cherry Soda Sea also add little gameplay tweaks of their own. Fableland hangs fatally in mid-air and swimming in the Cherry Soda Sea totally changes your jump dynamics. These changes keep Trolls' gameplay varied.

Trolls is good. It's fast, the characters are enjoyable and the game itself is solid enough to keep you waggling for hours. It's not the biggest game in history, and fast-fingered trigger-fiends will swiftly finish it. But even when you've saved enough babies to become a real Troll (it's that plot again!) there will still be bonuses you know you missed, kid-trolls that haven't been rescued and levels that can be finished quicker. And when you've done all that you'll still want to another go - because you think you're hard enough!

TRENTON


Welcome to the Cream Soda Sea. Did you know that If you hold a sea shell to your ear, you can here the soda rotting your teeth?

TROLLS
FLAIR T 0661860260 CASS £10.99 © DISK £15.99 * OUT NOW


## 53 POW:RIEST

# If you thought all troglodytes got up to in their caves was a bit of home decoration, you'd be wrong. In fact, they were inventing the world's first home security system. Dave puts on his leopard skin and does some prehistoric potholing. 


trictly speaking Stone Age shouldn't really be called Stone Age. Basically, there weren't any dinosaurs around in the Stone Age, but there is one in Stone Age. I suppose Silurian Age hasn't quite got the right ring to it and Jurassic Age might have seen Grandslam receiving a letter from the lawyers of one Mr S Spielberg esq. So Stone Age it is and Stone Age it'll stay. (By the way did I mention I'm being sponsored to say 'Stone Age' as many times as possible?)

Anyway, this dino has crawled into a cave looking for some tasty morsels. Only he's chosen probably the worst cave in the history of history. The occupiers obviously weren't keen on ending up as humanburgers and have turned their home into a catacomb the likes of which wouldn't be seen again until Theseus unravelled that oversized jumper his nan had knitted him for Zeus-day and ventured forth to skewer the Minotaur.

Stone Age (that's another 20p) is a massive 100 -level puzzle game. On each level you have to guide the dino from his starting block
to an exit. This is no simple matter, because those pesky cave dwellers have left all sorts of puzzles to solve. Basically, there are only a few rocks the dino can stand on, and and he can't leap across the gaps inbetween. Instead he has to make use of moving blocks.

Some of these move in four directions (up, down, left and right), some just two and
 dust when the dino steps off them and there are some Star Trek-style transporter blocks too (these stone age peeps were pretty advanced for their time).

And that's about it. Sounds simple doesn't it? It isn't. Well, not after the first couple of levels, anyway. Like all the best puzzle games the mechanics of the thing are pretty straightforward, but loads of the levels are trickier than than trying to explain the plot of a David Lynch film. Often the most innocuouslooking screens are the worst, and Stone Age presents you with some devilishly ingenious puzzles to sort out.

Each level in Stone Age (hang on, these mentions are getting a bit gratuitous $-E d$ ) has a time limit, and a few are extremely tight. On the other hand if you get a good few minutes for a level you know it's going to be a headache to work out.

You get four lives, except they're not called lives. For a change it's your candles have to keep hold of. Fail to complete a level and a puff of wind plunges you into darkness. Lose all five of your candles you'll be doomed to wandering around in the pitch blackness until you die, rot, lie about for a few hundred thousand years, get dug up and be put on display in the Natural History Museum.

Apart from the impressive intro screens the graphics are a bit primitive but perfectly functional and clear. Stone... (oi! - Ed) er,
 block. The one between will crumble.


Move the left-only block - it'll automatically move until it hits something.


Back outside and follow the, follow the, follow the, yellow brick arrow.

## One million Years BC

## 2001 - A Space Odyssey (MCM.

 1968) - So mankind was given a bit of help along his evolutionary path by a rather large minimalist stereo stack system, was it? The Land That Time Forgot (Amicus, 1974)-Er, what?e(Don

Bluth/Spielberg 1989 ) - well,
basically, dinosaurs didn't talk, did they? (How do you know? - Ed.)
(Hannah Barbera) - This had the lot, didn't it? Cars, factories, men and dinosaurs hanging around the same bars, even space rockets. Is this really what we should be teaching our kids?
the whole thing is joystick controlled. You select the blocks you want to move by positioning a box cursor over them and then pressing Fire. It's generally a sound system but, unless you're careful you can move your Dino by mistake which isn't normally fatal, but can be if he's standing next to one of those blocks that crumble to dust at the time. There's a password system so that you don't have to play any levels you've already solved each time you load the Stone Age (I'm warning you! - Ed). You're

## LEVEL 24, UHAL IS)



Move the four-way block up, across, down... oh, just follow the arrow above.


And that's it! Dino can now get past the lock and wander off to the next cave.
awarded points for completing levels, but this is a pretty superfluous feature. The main challenge is working the levels out - once you've done that I can't imagine anyone wanting to replay them time and time again to try and improve their score. It has to be admitted, Stone Age (for crying out loud - Ed) is not the most original game ever - it's very similar to The Power and also doffs its titfer in the direction of Bombuzul. But then, there are loads of shoot-'em-ups that are all basically the same concept with interchangeable graphics.

Stone Age (okay, I suppose this is the summing up paragraph - I'll let you get away with that one -Ed) is an engrossing game packed with some intriguing puzzles, but it's probably not something you'll want to play for hours on end; it's more the sort of thing that you load up when you've got the odd spare half hour or so to fill up. Basically, if you like puzzle games then you'll get your money's worth out of Stone Age. (By the way, Dave. This charity you're collecting for. It wouldn't happen to involve finding a refuge for homeless food in your stomach, would it? - Ed.) Er, might be.


This game would be a lot easier if your Dino could jump. Perhaps he should go on a diet.


STONE AGE
GRANDSLAM ㅍ 0816807044 PRICE TBA - RELEASED SUMMER '93


Not exactly bursting with originality.
The graphics are pretty basic.

DOMMERS

## 60 POWERIEST

It's strange how the only people you ever see playing squash are either fat businessmen who are trying to impress their clients or bronzed muscle-men who look as if they've spent all night in the gym. You never see the inbetweenies, the still-got-a-pot-belly-but-not- quite-out-ofbreath people. There have to be squash players who exist in a transitional stage between wobbly fat and rippling muscles. But where are they? It's one of life's great mysteries.

The characters in World Championship Squash are a real hotch potch, it has to be admitted. I don't know about you
the eight opponents. A game can last for one, three or five minutes - you decide.

You watch the action from where the viewing gallery would be on a real squash court (unlike in Jahangir Khan's Squash where the viewpoint is from the bottom right). Unfortunately, this makes it virtually impossi-
 ball is vertically - it looks like it's travelling around the but I never heard of Elvis doing anything more energetic than a bit of hip gyrating. But here the King is, in the flesh, playing squash against the likes of Barry and Lionel (not Blair! Please don't let it be Lionel Blair! - Ed). There's someone called Jason in there too, looking very blond and maybe a little Australian?

You can play squash against all these players and more if you choose to play a tournament. Or you could just take pot luck and play a single game against any one of

## 

SERVING: When you serve one foot has to be inside box A. The ball must hit the back wall first, between the lines D and E. To be a valid serve the ball must land in your opponent's box C without the ball touching any wall above line $E$.
PLAY: The ball has to bounce off the back wall and can only bounce on the floor once before it gets there. It can bounce of any of the side walls but if it hits a wall above E or hits the tin, F, then ball is out.
scoring Only the player serving can gain points. If the player serving loses a rally the other player gets the next serve. The first player to nine wins, as long as he has at least a two point lead.

## CEMrivc BORED. If you get bored of

Squash cut out the diagram, stick square $A$ into slot $D, F$ into $E$, bend $C$ around to meet B and you'll have your very own version of Tracy Island.


CAMOUFLAGE FORMAT May 1993

BUDGET GAMES 61


When Out Run was first released on to home computer it was a pretty feeble conversion of the classic arcade driving game. But it sold healthily, mainly because of the name. Which was lucky, in a way, because if it hadn't, we might never have got to see this excellent sequel. Y'see, thankfully, when they came to code Out Run Europa, all the programmers kept from the original game were the name and the driving theme. Everything else was
altered to produce a much better, slicker, speedier and more enjoyable experience.

In Europa you get to control not only the odd fallen-off-the-back-of-a-lorry Porsche, but nicked motor bikes and red hot jet skis too as you're chased all the way across Europe by the cops. The twist in this tale is that you're not what the cops think you are; you're a good guy in disguise. While on a mission for the government some important papers were stolen from you. The briefcase the documents were in has been spotted in Germany, in the company of two dodgy-looking chaps.

So you're trying to make your way across the continent, without disclosing your real name (you're undercover, you see), as fast as you can. If you knock any pedestrians down on the way, you can always claim diplomatic immunity, I suppose. And far any fans of Death Race 2000 out there, no you don't get extra points for a granny.

You start off the game racing along the white cliffs of Dover on a bike. When the roads are empty it's a piece of cake to put your foot down and burn rubber, but when cops, bumpy roads and fuel limitations
 the Channel, into France and beyond, the gameplay becoming increasingly tough as you get closer to the thieves' hideout.

So what you have here is a combination of three types of racing game, marvellous graphics and superb gameplay rolled in to one. It's a pain of a multi-load, but when something's this good, why mess around with it too much?


I'm trying to 'go on'. But it's a little difficult with no wheels on the ground.

## OUT RUN EUNOBA

£3.99 • Kixx • 0216253388 If playing the original Out Run was like driving an old welly through a swamp of custard then having a fling with Out Run Europa is comparable to taking an X Wing into hyper-drive.
FRAME RATE
wow, what a


## (22 BUDG:T CAME



# ylachers  



crazes like The Simpsons never seem to last very long. Do you remember yearning for that Chopper bike, wanting it so badly that you were willing to sell your Granny for the chance of a ride on one. And now you've dumped your trusty Chopper for that mountain bike - fickle aren't you? I mean, how much Bart merchandise do you see in the shops now? About as much as you see Bros merchandise that's how much. (I dunno I reckon there'll be a Bart resurgence when it finally gets shown on terrestrial TV here in the UK - Ed).

So is this game a quickie cashin that's in danger of being spurned as untrendy old hat or something that has it got the playability to make a game worth getting in its own right.

Bart stars in the game of the telly series, looking as true to the cartoons as he ever



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$$

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## 66 BACK PACE

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