

micro Adventurer

January 1984 75p

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ADVENTURE REVIEWS

"Adventures which have a fast response time, are spectacular in the amount of detail and number of locations, and are available to classicists owners... I am extremely impressed... The Lords of Adventure are superbly designed and programmed. The contents first rate. The implementation of Colossal Cave (Adventures is nothing short of brilliant), reads out and has it. While yours at it, buy their others too. Simply smashing!"

-SOFT, Sept 83

"I found Dungeon exceedingly well planned and well written, with a fast response. There are well over 200 locations and the descriptions are both lengthy and interesting. The object number about 100. It could therefore take some months to explore the whole network, giving many hours of enjoyment in the process."

-C&PG, Sept 83

"The descriptions are so good that few players could fail to be enthralled by the realism of the mythical worlds where they are the hero or heroine... great fun to play."

-What Micro?, Aug 83

"My appetite has been whetted and I intend to get my own copy of Snowball to play."

-What Micro?, Dec 83

ADVENTURE REVIEWS

"This has to be the longest of the year. It adventures are your game then this (Colossal Adventure) is your adventure."

-HCW, 3 Sept 83

"Colossal Adventure is simply superb. Anyone who wishes to use adventures in an educational setting really must use and see the program as it simulates Underhill and Wood's masterpiece so well. For those who wish to move onto another adventure of similar high quality, Dungeon Adventure is to be recommended. With more than 200 locations, 100 messages and 100 objects it will leave you delighted."

-Edinburgh Computing Rev 83

Colossal Adventure is included in Practical Computing's Top 10 games choice: "Power, meaning and tough as hell."

-PC, Dec 83

"To earn up, Adventure Quest is a wonderful program, fast, exciting and challenging. If you like adventures then this one is for you."

-NO, 10 at 1.3

"Colossal Adventure... For once here's a program that lives up to its name... a masterful text. Thoroughly recommended."

-Computer Choice, Dec 83

"wholly admirable"

-Your Computer, Sept 83

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Dept. V, 239 Highbury Road, High Wycombe, Bucks HP13 8PQ

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Editor
Graham Cunningham

Assistant Editor
Carmel Anderson

Software Editor
Graham Taylor

Reader Representatives
Tony Bridge
Mike Greig

Editorial Secretary
Cris Chery

Advertisement Manager
David Lake

Advertisement Executive
Simon Langdon

Administration
Thomas Lucy

Managing Editor
Bronson Cooze

Publishing Director
Janey Ireland

Telephone number
(all direct numbers)
01-417-4503

UK address
Micro Adventurer, 12-13 Little Newport
Street, London WC2R 1LL

US address
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SUNSHINE

Advantages • War Games • Simulations

Letters

Your opinions on adventures, a place to
come to for help, and some advice from
fellow adventurers

News

New adventures from Richard Shepherd
including one from Peter Cooks, author of
Invincible Island, a naval war game and a
modern tactical warlike tankie program
from Lan Moran, and a DILGEM competition

The Quill in depth

Tony Bridge reviews The Quill from Gibson
which is an adventure program that gives
adventure players the chance to write their
own game

Mapping fantasy land

Map compression is one of the first,
important steps a programmer should take
when writing an adventure and here BBC
owners are shown how this is done with
PILAK, P2AKK and DIT manipulators

Conquering the stars



From a humble beginning with only five
players two years ago, Mike Singleton's
Starland, Britain's first computer-
moderated play-by-mail game may soon
start the electronic age.

5 Valley of Death

An important feature of the valley is still
missing and this month Brian Lloyd shares
you how to add it to the program,
completing the scenario

Software Inventory

On the trail of the best adventures this
month, we include Wizardy 10: The
Legacy of Ultharum, So the Apple, Ghost
Town and Invincible Island, for the
Spectrum 48K, Kells of Keldin, for the
Dragon 32, and Quasi of Merviel, for the
Commodore 64 and Vix 30, among others
from cover illustrations by Brian Hughes

Role-playing games

The techniques programmers use when
writing role-playing games as adventures
explained

Your Adventures

An extra report facility for the ZX81 and a
ZX Spectrum game called Castaway where
the player must refill a boat with objects that
are scattered around a tropical island

Adventure File

The most comprehensive file available of
war games, life simulations and adventures

Adventure Help/Contact

Write to Tony Bridges if you need help or
have some to offer — or try our contact
columns if you want to reach fellow adven-
turers

Competition Corner

Bring happy with your successful journey
through the ten Tink leads you and then
win another task for you to complete, and
for your trouble you could win Roman
Empire from Larkins

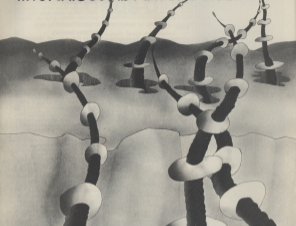
EDITORIAL

ONE OF THE DILEMMAS faced by a magazine such as *Micro Adventurer* is how much
help to give readers. While you may be spending your time wondering which is more
the greater value, we're spending ours wondering whether to tell you.

If we offer individual help we'll reduce their frustration but we may also reduce their
pleasure in solving the adventure. And clues we publish may be read by adventurers who
would have preferred to pursue their own paths. We could, of course, print only warnings
before the advice appears — as newspapers do when they advise sports fans to turn down
the sound if they want to avoid hearing the result of a game to be televised later. So we
could warn that a clue to the Hobbit was coming, advising readers keen to get out of the
goblin's dungeon under their own steam to wear opaque glasses for the next few lines.
Another possibility is to offer generic clues so that readers have to exercise some ingenuity
in interpreting the advice. The risk here is that readers won't be able to tell when we're
being generic and when we're just using fancy language. Writing about adventures getting
out of the dungeon under their own steam might lead to those receiving more satisfaction
than even he's entitled to. The other obvious risk is that ethical clues can cause more
confusion than they're worth — it's bad enough trying to get out of the dungeon without
also having to answer some helpful but obscure pieces of advice.

One solution to this dilemma is (surprise, surprise) to let readers sort it out for
themselves — by using our Adventure Contact columns. If you fill in the form then readers
more successful than you will be able to come to your rescue. And if you read the articles
then you may be able to do the rescuing. We'd like to extend this service on keep on
sending the articles — and let us know how you get on since you've established contact.
Another solution also requires readers' help. There are too many adventures on the market
now for one magazine to know all the answers. And believe me we get stuck too — there's
no reader right that a team of "experts" explained before a TV set. It's even worse if you
have to write a review of an adventure where first player defeats you, leaving no hope
of solving the puzzle in time to reach your deadline. We send us an advance you have to write
and we'll put it on file, or if you're willing to help with certain adventures write in and we'll
publish your letter. Again we look forward to hearing from you.

HAVE YOU BEEN INVOLVED IN A MYSTERIOUS ADVENTURE RECENTLY?



If so, it is quite probable that you are presently suffering from T.E.S. (Total Involvement Syndrome).

Total Involvement Syndrome is a rare and fatal condition, one of the most dramatic symptoms being a complete inability to feel at ease in the world of reality. Other symptoms include irrational exuberance, loss of touch with reality, and an unexplained increase of your hair growth.

Experts believe T.E.S. is caused by a virus which is contracted as a result of your over-exposure to Mysterious Adventure Software.

48K SPECTRUM AND MODELS FOR B, TRS80, COLOUR GEM, ATARI 400/600, COLOUR GEM, AND BEAS.

When questioned about this condition, a representative of DIGITAL FANTASIA, a company who are actively involved in software and development work in Mysterious Adventure Software, is prepared to guarantee 100 other than their reliable floppy disk etc. which can be replaced only a "temporary solution", via the observation of a more permanent cure. It is estimated that 110 sufferers to date have recovered and 1000 Mysterious Adventure Software is a "curable" condition. T.E.S. is highly contagious and in view of the current worldwide Epidemic, it would not be long before your relatives are "infected".

If you have a BBC Computer or a Spectrum, you can obtain Mysterious Adventure direct from DIGITAL FANTASIA at any of the following addresses:

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3) BARRON OF SLEATH (PART 1)
4) BARRON OF SLEATH (PART 2)

5) BBC AND FROM SLEATH 2
6) SPECTRUM
7) FANTASY EXPERIMENT

8) THE WIZARD MAYZE
9) PANDORUS AND ANTONIO
10) TEN LITTLE INDIANS

For V.A.T. and Foreign Countries, contact the Shocoms and agents listed on Pynchon.

For more information on Mysterious Adventure Software, Mysteriously Dramatically Distorted Sense of Reality



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LETTERS

Send your hints, solutions, complaints and compliments to Letters Page, *Micro Adventure*, 12-13 Little Newport St, London WC2R 1LD

Leisure time well spent

BEING semi-retired I thought that I would have to spend my leisure time knitting, reading or watching tv, but not any more.

I now spend my time deciding whether to kill the dragon with my bare hands, which can sometimes be amazingly successful, or looking for a key to open a door, cupboard or chest. You never know what's lying around the corner.

Although some of the graphic adventures are very good I will prefer the text-only ones where I can let my imagination roam the scenery. Your new magazine will certainly help me in my favorite adventures.

44 Malvern,
17 Aberystwyth Rd,
Carmarthen

Finding an ending . . .

COULD a reader of this magazine please help me? I have The Hobbit adventure game. I start the game and I get all the costumes . . . the sword, rope, golden key, Thrain's key (small carbon key), the map, golden ring, toothy key, treasure. But when I arrive home I don't know how to END the game.

Davies Carver,
257 High St,
Haverly in Arden,
Southall,
West Midlands.

poses a riddle . . .

I HAVE had The Hobbit for about three months and have visited many of the places in the adventure from the com-

fortable tunnel-like hall and Riverend to the River's Disport, the forest river and the magic door.

My highest score is 94%. If anyone cares to write to me at the address below and send a stamped addressed envelope, I can tell them a way out of the golden' dungeons, a place where most people get stuck.

In return for that clue I would be pleased to find out how to get through the magic door and how to uncode Golpum's riddle. Which animal is it that has four feet in the morning, two at mid-day and three in the evening?

Jahier Jones,
Caywood Avenue,
Kewington

to fans of the Hobbit

I HAVE come across about The Hobbit which I hope a reader might answer.

The first one I am surprised has not been asked before in other magazines what is the function of the golden key? My brother and I have tried many things, but to no avail. Does it just increase your score and have no other function? Can you ever pass through the empty place?

The next question concerns page six and seven of the instruction booklet in which they give the following example take the lamp and the top out of the barrel. Drop the shirt and the long sword. Take the money and run. Open all except the green bottle. Drink beer. Are all these examples or does the lamp, shirt and long sword,

chainy, green bottle and beer exist in the adventure?
Stephen Pugh,
Wentley Rd,
London

Missing a pirate

MY FRIEND owns a BBC and has had some difficulty playing Level 9's Colonial Adventure. Could anyone tell us how to pass the oriental dragon and where the pirate hides?
Malcolm Rowley,
Fruer Gardens,
Ardwickloch,
Glasgow

Comparing programs

I'M WRITING this letter while playing Valour's Lair. I'm just rereading my saved game having been killed again. I can hardly recommend this adventure.

What is more than I can say for The Hobbit. I've spent my hard-earned cash on this program. The blurb says that the adventure follows the book very closely, but I find that it doesn't. I've only got as far as the trolls and I can't say "Don't eat me" or similar, as in the book. Consequently I get stuck. I know I've got to get the key and wait for dawn, but how? I'm going mad on this one.

I thoroughly enjoyed Planet Polly. I think it is one of the best adventures for the Spectrum available, but has not had the publicity it deserves.

It is far and away better than Planet of Death from Artic.

My wife completed Planet very easily and it was our first adventure.

Back to Valour, which has just killed me again. One bug that I have found is that the program crashes sometimes when deleting input spelling mistakes and when scrolling. When this happens BUN doesn't work but GOTTO 2 will take you to the beginning again.

I've got lots of tips for this program but being quite new to a 700 loop on the on video proper' program through Tony Bridge's camera.

I wouldn't mind writing to a Spectrum advertiser to exchange ideas and information. Perhaps you could get a national mail helpline going.

Another frustrating adventure is in the book Over the Spectrum. Unless I've typed it in wrong it's very hard. I've hardly progressed at all finding a locked door, a kitchen, a table, booze and an endless quest. Any tips would be gratefully received.

I'll mind up with a few ideas for adventures. I can't program well but should someone have a go at Michael Moorcock's Highland and World's Pain or Harvest of Mars I'd be more than interested.
Tony Close,
Compton,
Chichester

A D&D game control

I HAVE written a D & D game control program which runs on a Sharp M2 BBC computer.

This program simulates the DM of the routine "book-keeping" chores of a Basic D & D adventure. It handles all aspects of combat (initiative and miss), wandering monster production, routine tasks (locking or opening doors etc.), as well as subsidiary dice throwing and character sheet production.

The program will allow the DM to judge results to suit his party and is not a strict controller of the game as are other game control programs.

The program runs in BBC and is written so that it can be translated to other machines with the minimum of effort.
Brian Johnson,
Highfield Road,
Saxby, Lincoln.



NEWS DESK

If you think you've
seen everything
newsworthy, call
81-437-4343 and let us
know

Microdrive option available

ADVENTURE game software producers Richard Shephard has released a cash controller program with a save-to-ZX microdrive option in the main menu.

The microdrive allows the user to save the program onto a blank microdrive cartridge.

Using the ZX microdrive, the cash controller can be loaded in 90 seconds on the Spectrum 48K.

Cash Controller with ZX microdrive costs \$9.95.

Urban nightmare introduced to imagination series

NEW ADVENTURES in store for the New Year include Richard Shephard's Urban Uptown, from the Adventures Into Imagination series.

Written for the Spectrum by Peter Cooke, the author of Invisible Island, the program challenges the player to escape from a nightmare 1980s town.

In Searchings a resident's every action is under scrutiny. You can be jailed for loitering.

The game begins in a house where you plot your escape. And if you are not smart enough, you could end up where you started from, or elsewhere.

If you've jailed for some minor offence, or caught in the rain without an umbrella, catch policemen and go to hospital, your efforts to escape have come to naught. You start again.

Some of the 90 locations include a fish and chip shop, where there is a real burning on the counter, a bank shop, where you can find out valuable information, and a cash

dispenser for money.

No help program has been supplied with Urban Uptown as there was with Invisible Island.

Designed to take some pressure off the company and to provide players with hints to

the game, Richard Shephard found that the help program increased the customer's confusion.

"This time we'll supply help sheets to those who wish to go asking for information," he said.

Board game firm on road to recovery

THE company founded to market Dungeons and Dragons, TSR Hobbies Inc, is looking at methods of improving its poor finances.

After high profits in the 1985 fiscal year the company has experienced growing pains. Management was forced to write off one company and lay off workers just after a recession drive.

They also experienced production problems and failed with a diversification project which included a move into computer software.

A new team of managers has

been hired to smooth out the problems.

With a coherent system of planning the managers will divide TSR into four.

In the new system, TSR Inc will publish games and books, TSR Ventures Inc will supervise trademark licensing, TSR Worldwide will manage international sales and Dungeons and Dragons Entertainment Corporation will produce cartoons.

The managers believe that the new system will ensure that the 100 venture's failure won't handicap other operations.

Win wars the strategic way

WAR STRATEGY features in two recent releases from Lankwies, Deadmarch and Confrontation.

Deadmarch is a naval war game set in 1914. The British fleet confronts the Germans, who are about to launch an attack on Britain.

The game is designed for two players who choose their sides and the victory criteria. The computer acts as referee.

After deciding how many ships are to be lost before a victory is declared, the players call up their security information.

Here they are told what their strength is, the size of the fleet and their quantity of ammunition. But neither opponent knows how strong his enemy is.

Using the security information the players give battle instructions to their ships.

The player can see his own ships and a fire (if any) of the enemy's ships that may appear on the screen.

Deadmarch is available for the Spectrum 48K.

In Confrontation, a modern tactical warfare master program, the players get to choose their own battleground setting.

Whether you want to fight in Vietnam, the Middle East or Europe you merely load in the master program to create any modern war scenario of your choice.

The player can copy a real war scenario, for example the

Battle of Alamein, into the computer using Confrontation's facility to position mountains, hills or airfields to recreate the battle scene.

With the master program the player receives a game of a modern European war scenario that can be played immediately.

Confrontation is available for the Spectrum and, by the middle of this month, the BBC. Lankwies also have on the market a tactical aerial combat

game for the Spectrum 48K.

Called Red Baron, the player, from the cockpit of his World War I Sopwith Camel, fights two ace enemy pilots.

You must control your altitude, the direction in which you manoeuvre and other variables in order to attack enemy planes and avoid their fire.

If your strength holds out, and your plane is not too badly damaged, you may get through all the 19 levels of difficulty.

Falling this low can go back to the beginning of the game where a friendly pilot gives you some hints on strategy.

Scots Lamp is Lankwies's only adventure out of the new batch of releases.

A land graphics game for the BBC it joins the spirit of Tales of the Arabian Nights.

The hero or heroine must retrieve a magic lamp.

The main mode of transport is a magic carpet and you must an assortment of people including an enchantress.



Twin Kingdom cassette features 175 locations

FULL-SCREEN pictures for 175 locations is one of the features of Twin Kingdom Valley from Bug Byte Software.

In their new adventure, based on a dragons and dragons theme, you must beware of traps, wandering monsters, shuffling strengths and search for keys that might help you open closed doors in order to complete the quest.

A valley king asks the

player, under the guise of a wandering adventurer, to retrieve a treasure chest from a rival kingdom.

In his travels the adventurer meets various entities including the castle guards, and knights, trolls, a dragon and a witch. There is also a giant to fight and some mischievous items who might be persuaded to provide you with weapons in return for certain favours.

A spokesman for Bug-Byte Software said some of the characters had minds of their own. Elves and guards would clash but could become valuable friends for the player.

And like Valkyria, the game plays by itself when the adventures are slow leaving commands.

Novice masters program writing

SUE GAZARD went from adventure novice to master when, within three months of buying her BBC, she began writing games for Level 9 Computing.

She began playing adventures in April last year when the BBC was bought. She enjoyed playing Level 9 games and whenever she got stopped would write to the company for clues.

"I've been known to stay up all over o'clock in the morning," Sue said. "I found

adventures fired my imagination."

In August last year, after becoming known at Level 9 as an avid adventurer, Sue was asked to write a program for the company. Then a second, then a third.

She tried to use life-like characters in her games. "I use the Movers for research. On the Lumber of Time a Roman village is based on a map of a real village and a Trojan house is a copy of a real house," Sue said.

Her first game, Lords of Time, was released as the Year Computer Christmas. Play in December. The sequel will be launched before Easter. And two months ago her third game was in the making.

Computer mail game starts on Prestel

THE FIRST computer-modern game to be played on Prestel will begin this month.

It is Stanzas from Mike Singleton, the writer of the first British play-by-mail game, Starlord.

Playing on Prestel means the referee doesn't need wait only minutes for replies rather than weeks.

Stanzas has been written on massive proportions with the three-dimensional map taking up 160 Prestel pages.

According to Mike it is similar in aim to Starlord, with the task being to capture a throne ship.

"As in Starlord there are different types of stars with different properties, but Stanzas has been adjusted to fit in with the new system," Mike said.

The main difference between the programs would be in the map of the galaxy. In Starlord it was a standard disc shape with a definite centre, while the map in Stanzas was a three-dimensional cube. □

Twig offers £10,000 in prizes

TWIG SYSTEMS Software in association with the jockey and television personality Dave Lee Travis have organised a nation-wide competition with prize money totalling £10,000.

The competition, Monster Challenge, will accompany the launching of a new range of "mind-bending" software from Twig, who say the program is a new generation of computer games.

Twig say that the collection of six games are oriented towards the intellect, reasoning powers and keyboard dexterity.

Dave Lee Travis, a computer and video buff of long standing, says that the games will have people leading their heads on the floor in frustration.

"I've been messing about with computer puzzles for years and I like to think I'm pretty good," he said, "so I speak as somebody of an authority when I say that these new games will take a lot of solving."

Winners wanted to win the £10,000 Monster Challenge prize should be prepared to wait a.

The collection comprises Air Sea Battle, which will appear on the video channel; Camelot, involving a trip round the city discussed by a series of clues which may appear to those with university degrees; Take the Strain, which requires the player to learn how correctly to disembark from a train before he even proceeds to the final



New Dave Lee Travis plays a Twig Systems game.

conclusion; Orbella, the well-known board game; The Tower, a guessing visit to that well-known great institution; and Countdown Quiz for those who aspire to the ultimate challenge — and the £10,000.

Twig computer games are currently compatible with BBC, Dragon and Sinclair micros and the scope is being broadened to encompass other currently popular systems.

The games are available on mail order from Twig's headquarters at 4 High Street, Weybridge, Bucks.

Full instructions for participating in DLT's Monster Challenge are included with each of the games. Each purchase becomes a registered competitor.

The ultimate Countdown Quiz is to be held in London when 10 competitors have solved the build-up games of the series and it is proposed to televise the final. The games may be attempted in any order of preference.

Dave Lee Travis said: "We know the games are difficult — we just don't know quite how difficult. So we don't know how long it will take individuals to solve them or how long it will take us to get 10 finalists together."

"As the prize isn't static — the longer it takes for 10 winners to emerge the bigger the cash prize will become. And if our plans for the final pan out, that will be real Monster fun all on its own." □

Imagination's the only limit

Gilsoft has developed a program that turns novices
into adventure designers — Tony Bridge reports

IN THE PAST few weeks a couple of programs have appeared (Blaze from Melbourne House and Games Designer from QuikSoft) which will allow the budding arcade game designer to create his own Duxton.

From Gilsoft comes the adventurer's equivalent, The Quill. It is an adventure system for the 48K Spectrum. Written by G F The Quill is an interpreter program to compile your own adventures.

The tape is accompanied by a 52-page manual which explains things in great detail, and rewards a close reading.

A sample

On **LOADING**, an 8-point menu is presented, then you open the manual. After a page of introduction: "what is adventure?" and a page of "getting started", or here is **LOAD** the program, the user is given a quick tour of the menu.

Pressing **O**, for instance, informs us how many bytes are to spare. At the start there is some data in the program, so we have 30,000 bytes free.

A sample mini-adventure is then presented which starts up gently into the creation process. A allocation map is shown, with the objects present, and the routes between the locations. Following the example adventure will give you practice in using The Quill.

To write your own adventure you must first of all map out the locations and decide what objects you will initially have lying around. Then work out how the player can move from one location to the other. In the manual's example map the player will start in the hall where there is a hat and a coat.

From here the player may proceed west into the bedroom, east to the kitchen, south to the lounge or down to the dark cellar and the dining room. The sick location may be reached from the lounge and the kitchen.

Now to set it all up. Pressing **C**, or the main menu gives us our location text menu, from which we may choose to (Show a new, (Almost a test, or PRINT (to the screen) or LPRINT (to the printer) a test.

Start by printing a list to the screen and you'll see all the locations so far defined, along with their descriptions as written by you. In the database included in The Quill, is the first location, **O**. The description demonstrates all the modes that may be used in your own descriptions, such as

BRIGHT, FLASH, INVERSE and so on. If you wish, and to get a bit of practice, you may CLEAR the description of this location by pressing **CAPS SHEET AND T** together. The text may then be amended to your heart's content, and of course changed completely.

Descriptions of other locations may be inserted in the database, and amended as necessary. Once all this is satisfactorily accomplished we can go on to the movement routes. Press **M** on the main menu and another sub-menu, much like that for the location reader is presented. (Printing the movement table at this point shows us that, in fact, there are no movements recorded at present. Back to the menu menu, and then press (Almost There is (HERE here; creating a location automatically inserts a null entry for that location in the movement table, so the user can only amend it.

From location **O**, the hall, we have decided that we want the adventurer to go east to one. The links down to five, the cellar and so on. Note that locations must be created before attempting to make movement links between them. Once the movement table has been completed, the table may be printed or LPRINTed for inspection.

Thing room

Now the adventure may be tested to ensure that it works, similar to a mini-tablet (It) from the main menu and the program will ask if you require diagnostics. Forget this for the moment. This option will only be required later when a lot more data is present.

On refining this option you'll see the first location appear on-screen and the statement: Tell me what to do. There's nothing clever you can instruct the computer to do at this stage (after all, you've typed in nothing more than the basic 8 or type 8, or 0000, and you'll find yourself on the lounge. This is as it should be. Type **W** or west and the reply will be, "I can't go in that direction". Type **E** and you'll arrive at the dining room.

Assuming that you've typed everything in correctly you will be moving around the locations in the way you want. Anything else will click the reply "I don't understand". OK, however, will re-describe the location and (I) will give you an inventory

of objects carried (pushing on left). Note that, in the program it writes in machine code, the responses are just about instantaneous.

To make the adventure more interesting select a few objects around. The above procedure is followed here: select (E) from the main menu and a mini-menu is printed from which you may choose to (PRINT, or (LPRINT the list of objects or for games in the adventure. (Show or (Almost the object text. (Printing will show that the database already contains "a source of light", which will be found at location **O**.

Insert the rest of the objects using the map in the manual as a guide. You'll find, for instance, a torch, the source of light, a sharp knife and an apple. Some may be carried, while others are not allowed, that is, not immediately visible until a certain condition is met, such as opening the safe.

Be wary

Careful working out is needed in order to cover all possibilities but the manual makes things very clear. For instance, the act of opening the safe creates the jewel and destroys the closed safe.

If the player then takes the jewel, the jewel ceases to exist as an object and becomes a carried object, which is treated differently. And so it goes on. Each and every object and location must be thoroughly initialised through the menu.

The vocabulary menu for The Quill already contains more than 50 words, such as up, down, east, north, take and west. These should be sufficient for much of your adventure.

The vocabulary also allows you to inspect the operations of all these words. A worded will also yield U, up, climb, as well as several. North is recognised by N and south for as long as you want.

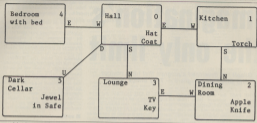
Asking for (A) in the main menu will put us in the event menu. From here we may set all the actions that the program will take to respond to the player's input. The word value input by the player will be matched against each entry in the event table and the appropriate action taken. I, or (EVENT (of inventory), is answered by "I have with me . . .".

And so the adventure is constructed building it up from our initial framework and adding and amending as necessary. To start with, we'll be working on the initial-idea are presented in the manual, which is good practice for writing our own.

Detailed look

The 28 pages of the manual are taken up with the set-up of the adventure. It includes all the actions such as quit, save (presses game), load (previous game), and so on. All these words may be specified to your own taste. The remainder of the bulky manual contains a more detailed look at the adventure editor.

After entering the data as indicated you'll have written a full-blown machine-code adventure. In summary all you have to do is load and the map of your adventure. Decide what text will describe. **D**



A map of the adventure in which the objective is to find the jewel and place it in the dining room.

Each location, what objects you were around, the exits from the location and if light is needed. Write in your own vocabulary and decide what conditions have to be met at each point.

A person without any programming experience can construct an adventure. Imagination is the only limiting factor. The Quill costs 10 out of 10 and will be an indispensable aid to any adventure writer.

The final good news of *The Quill* is that

Gilbert asks to be mentioned somewhere in the finished adventure, which seems a small price to pay. Gilbert seems to have no objection to the commercial sale of adventures constructed with *The Quill*.

I foresee many highly imaginative adventures coming onto the market in the future, from the quills of people who otherwise would not even contemplate the idea. At £14.95 the price seems rather high but it is worth every penny. The adventure

created with the aid of the system, I think will be passed around the adventuring community at a very low cost.

To illustrate what can be done Gilbert provides a copy of his own adventure, *Diamond Trail*, based on *The Quill* system. It takes the form of a traditional text adventure but I would expect somebody to create a more unusual scenario as they become familiar with the system. Imagination is the only limit. □



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clock struck twelve. All fell silent except
for a faint humming in the rooms. I was
out of the building. They came. All fell
silent. I stepped back but I was not
defensive, and the Angel of Death
smiled a wicked smile, pointed his filthy
fingering, his teeth of hell. I tried
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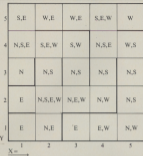


Diagram 2 in which north is upwards is an example map 2 by 2.

```
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```

Each cell in a map takes up 8 bytes per quadrant. The map of a quadrant looks like the diagram one inside the memory. There are 4x4 quadrants in the game so the memory requirement is only 4x4x8 = 128 bytes, which is only 1/10th of what you started off with. The other thing you'll need is the bit set routine which I will explain in detail later.

Oh yes, I nearly forgot, the positions of Kingsley. Well just have another map; additional 512 bytes. It will still leave you with a lot of memory to mess around with.

The moral of the story: if a map involves true or false then it can be BIT mapped and shrunk to an insignificant size.

What's that to do with adventure games? Well, let's say that you have a square 5 by 5 map for your adventure land and for each location you have to know in which direction you can travel. Say its directions north, south, east, west, up and down. Now if you use an integer DIRM Array (DIRM = DIRECTIONAL ARRAY)

Remember that BASIC's DI array has 60 elements this will take up 600 bytes worth of memory. You need but if you have a larger map, the DIRM will eat up a considerable amount. You can map it to just 25 bytes with the BIT map method.

Whether the player can go in a particular direction is a true or false question right? So if you define the first BIT (0) as north, the second BIT (1) is south and so on and putting a 1 if you can go that way and 0 if you can't. All you then have to do is bit test to see in which direction the player can go.

To test whether a BIT is 1 or 8 you must AND the number which contains the direction code with another number which is a power of two. AND executes the following binary operations.

```
0 AND 0 = 0  
1 AND 0 = 0  
0 AND 1 = 0  
1 AND 1 = 1  
Example — 78 AND 2 = 0000100 AND 0000010  
            0000100  
          AND 0000010  
          -----  
            0000100  
Example — 78 AND 8 = 0000100 AND 00001000  
            0000100  
            AND 00001000  
            -----  
            0000100
```

Let's put this into practical use. Say there is a location where the player can travel north, south and up.

```
The code will be  
17301234567  
          0010011  
          0010011 = 10  
To see if the player can go north AND the code with  
100 = 1 = 00000100  
          0000011  
          AND 00000100  
          -----  
          0000001  
If you test for west AND with 243 =  
0001000 = 1
```

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00010011
AND0001000

00000000

In the general case:

function code) AND 2 (direction code) if you can go that way and
function code) AND 3 (direction code) = 3 where you cannot go that way.

This can be programmed in a IF-THEN-ELSE statement as follows: IF (A% AND 2) THEN PRINT "YOU CAN'T GO THAT WAY" ELSE PRINT "YOU CAN'T GO THAT WAY"

The theory's over, let's put this into practice. First of all, you need to draw a map. It can be two or three dimensional.

For each location mark all the directions you can go as I have done in the diagram. Now load in the appropriate portion of the MAP LOADER program. It contains all the necessary instructions and explanations in the REM statements, so it should be easy to understand. You must reserve memory space by inputting MEMEM=#### for any other variable added because this program uses memory space above MEMEM to store the map rather than using a DIM statement. It is easier to save the map. Add the map data to the program as instructed in the REM's. After that store the map using: SAVE"MAP" GOTO 1000

To use this map you'll need the direction finder procedure in your main adventure program. All you need is the basic four-line PROCEDURE program. □

```
100
101
102(100) THE DIRECTION YOU WANT TO GO
103(100) IS ALLOWED TO PASS
104(100)
105(100)
106(100)
107(100)
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190(100)
191(100)
192(100)
193(100)
194(100)
195(100)
196(100)
197(100)
198(100)
199(100)
200(100)
```

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Conquering the stars by mail

A look at play-by-mail games past, present and future



Mike Singler in "The players compete in gain control of the throne seat"

EMPIRES ARE BORN in the space of an evening: light years pass in seconds; universes expand, meet and are conquered in sitting rooms all over earth — technological change is about to transform the time and relatively simple art of postal gaming beyond recognition.

Time between turns will be a matter of seconds rather than weeks and empires will change change crews as frequently as computer games players buy software. It is possible that with the introduction of interactive cable in coupled with satellite transmissions, players from Papua New Guinea to the United States will battle each other for the control of the universe without moving out of their dining rooms. But back to the less complicated present.

The first play-by-mail game started in the UK with Diplomacy about 12 years ago, and the first computer-mediated PBM started in 1981 with Starlord, written by a former teacher from Liverpool, Mike Singler.

It was a spin-off from a game played in the United States called Starwar, from Flying Buffalo. An Englishman called Chris Harvey learnt of the game and arranged to bring it to the UK. He acted as the posting office. Players would send their moves onto Chris, who would forward them on to Flying Buffalo where they were processed and returned to the UK.

After several years of playing and paying a humble rate, Mike began Starlord. From a humble beginning with only five players in 1981, there are now 34 separate Starlord games running and more than 700 players — not just in the UK, but in Papua New Guinea, Canada, Australia and the US.

To play a PBM such as Starlord, which is designed so that new players can join at any time without disadvantages, you pay an entry fee of £1.25. For this you are given a rule book, the scenario and your first two turnabouts. The charge for subsequent turns is £1.25.

Your moves are fed into a computer. The game master then sends you a printed describing the consequences of that move, a map of the galaxy with various throne stars marked, the number of ships you have on each star, how many opponents are in your vicinity and the size of their forces.

Mike compares Starlord in aim to King of the Cards. "The player competes to gain control of the throne seat and try to become emperor of the galaxy by battling either the present occupier or the computer." The emperor's turns are free for the duration of his reign. International players are given a four-week turnaround and in the UK there is a two-week turnaround.

Costing a lot

In an innovative move that could change PBM games radically Mike has designed Source, a program to be played on Prosal. He hopes to begin its operation this month. It will be the first computer-mediated PBM to be played on a system such as Prosal in the UK. Similar versions have existed in the US for some time.

The UK version, however, enables more owners to type in their commands and wait for replies. Everyone has access to the information at any one time. The US version is electronic mail, with the turns being loaded manually into the system, although sent in over the network. (One such game

exists in Britain but is buried deep among the pages of Prosal making it difficult for potential players to find.)

With Source the moves will go directly into the system. There will be no human intervention apart from the players. "In this way the UK version is unique," Mike said. "A player will be able to call up maps of the universe which will be stored on various pages as long as he is a member of Prosal."

The game has been designed on massive proportions with three-dimensional maps shown taking up 841 Prosal pages. Source is similar to Starlord in aim with the task being to capture a throne spaceship. "As in Starlord there are different types of stars with different properties, but Source has been adjusted to fit in with the new system," Mike said.

"The major difference will be the map of the galaxy. Starlord was a standard flat disc shape with a definite centre. In Source the map is three D arranged as a cube, and has 341 different sections each with a map of its own. The player is able to move from sector to sector by going North, South, East, West, up or down."

Mike is confident that Source will attract the players needed to make the project practical. Six months ago he advertised the game and 200 people replied.

"It will be possible to have up to 300 players in one game," Mike said. "It hasn't yet been properly coded but it is expected to be close to 25 per cent a turn, with faster turnarounds of perhaps a day when the system is running smoothly. At the beginning turnarounds will be once a week. When there are no bugs, twice," he said.

Atlanta is another conventional computer-mediated game Mike plans to launch this year. Using the same theme as Starlord, Atlanta will be a war game/military adventure. "It has a similar objective to Starlord except that it is set in an underwater environment where the player attempts to become leader," he said.

Starlord has attracted a number of competitors and now there are about 12 PBM games in the UK. The designers of Veron Wars, J M Nicholson, was a former Starlord player. Described as an advanced strategy PBM game, Veron Wars is set on a planet in a distant solar system. The player must explore the land of Veron and develop partnerships in trade with the inhabitants.

The competition with other players for trade forces you to build forts and set mines in places the wealth you have attained. The ultimate aim is to gain control of the planet. You can use anything from spy satellites to nuclear weapons to ensure the annihilation of your enemy. Turns are two weeks apart and cost £1, but £1.50 will pay for a rule book, example sheets and the first three turns.

For £1.20 a turn Keys of Red is a PBM simulation which allows its participants to adopt any role they choose on the mythic planet. As an explorer, conqueror, ruler or merchant you will have to consider factors such as morale, combat ability and leadership. The characters and setting allow a di-

◻ degree of flexibility so that players write the game as it develops.

Having chosen their rules, players adopt objectives, which if unsuccessful or thrice may be changed to suit present needs. The task is to lead a side through a new world knowing only what the rules tell you. Information is gathered gradually through exploration and solving questions.

Writing the trials

When the title writes it can choose any three of 12 activities if they have accumulated enough skills during the journey. The activities include fording, rowing, hunting, weaving and imprisonment. More are necessary for the title's survival. A winning party can out to explore a mountainous cave torments with gold or a quantity of copper; a good find for new writers in a foreign land.

The popularity of PBM games has generated two commercially-produced magazines and 180 amateur no-profit fanzines. Enthusiasts produce these fanzines for each other covering the games they play. They provide hints and cover the history of the PBM — and sometimes are highly recommended reading. An example is *Active* which accompanies Starlord.

More sophisticated than most fanzines, being professionally typeset, *Active* is published quarterly. It contains articles from players on strategy, tactics, opinions,

important reports and fiction. It sells for 25 pence an issue.

The two commercially-produced magazines in the UK are PBM, from Enigma Publications, and Playship, from Nicky Palmer, a former editor of a general games magazine. Both titles were recently launched with their first editions appearing in October and November respectively.

PBM is published every second month. Edited by Mike Costello, who also publishes *The War Adventure*, it aims to be a comprehensive guide to play-by-mail and modern gaming. Included are in-depth game profiles, reports on current games, articles on recent developments, coverage of non-commercial war games and role-playing and adventure programs.

Playship is a quarterly publication, aimed at an international audience. It is professionally typeset, complete with a colour front cover. The magazine aims for the PBM player's greatest weakness with articles such as how to win at PBM — a discussion on tactics, Professional System, which analyses popular games and suggests novel strategies, and a workshop section for games designers and reviews.

Sophistication

With an increased enthusiasm for PBM and multi-player games the standards on which they can be used are becoming more sophisticated. The statistics at the beginning

may not mean for some time but the day when cable tv and modern gaming can be used is close.

According to Mike Costello, the introduction of interactive services will enable players to send information back and forth on the cable system. "Such networks are fully capable of handling multi-player games in which the participants are scattered all over the country but can communicate via terminals linked by cable," he said.

The main problem was in getting users to pay: "It is accepted that cable will not become profitable until it is linked to a suitable broadcast."

Problems

While modern gaming enables a quick turnaround, long-term problems have occurred in the UK, with a rich player monopolising the game after six months. Because telephone cables are used, the number of turns you have depends on how high a Telecom bill you can afford. However with modems it is possible to play an entire game in one evening, while a game of diplomacy could take 10 to two years to play using the Post Office.

But cable seems the most practical solution for interactive PBM gaming to go in the long term. And with the introduction of satellite transmissions, transatlantic multi-player games will be won and lost in an evening. ◻

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Degree of difficulty a question

Adventure Quest of Merovind
 Micro: £6.95, £8.95, £10.95
 Price: £7.95 Format: Cassette
 Supplier: Marston Games, 80
 Trower, Preverley Ave, East
 Sussex.

MARTECH is the company which produced Conflict for Spectrum and other micros. I must say that I was quite impressed with that offering so, when Quest of Merovind dropped through my letterbox. For review, I couldn't wait to start punching the keys.

Martech, I had decided, were innovative and not stuck in a rut like so many other software houses.

I have to admit to being just a little disappointed to find that this was a standard text adventure. Okay, I thought, 'nothing wrong with that.' Panning only to pick up a basket, I plunged into Blackwood Forest. . .

Quest of Merovind allows commands of up to nine words, although I never needed to use more than four. The object of the quest is to retrieve the dwarf's firestone from the evil dragon. But you cannot enter the dragon's lair until you have collected a full set of armour.

Scattered about the landscape are six items of armour and your character is a white stallion.

Locations you will find as you wander around include a country inn, a glacier, the king's stables (complete with manure) and a village of head-hunters.

The most interesting of these is the inn, where you can interact in a limited way with the regulars and a barmaid — all in the best possible taste of course.

The landscape is quite well laid out and map making is easy. The various problems encountered are not very challenging, so there were no explosives to detonate I'm afraid.

The program is written in Basic and, considering the amount of memory available, these are disappointingly few locations.

Overall, I would say that

SOFTWARE INVENTORY

What's on the way in the adventure world — if you have a new adventure, war game or realistic simulation which you are about to release send a copy and accompanying details to Software Inventory, Micro Adventures, 12-13 Little Newport St, London WC2R 3LD

Quest is okay but I would recommend it only for beginners. The more battle-hardened adventurer will breeze through it.

The cassette is supplied in both Vix and CSM 64 versions, one on each side.

For those owners of Conflict by Martech I have read in several reviews that the rules make no mention of the movement of neutral ships. This is not so, neutral ships move according to force and direction of prevailing winds. **PM**



Foul play in country manor

Adventure Manor at the Manor Micro Spectrum 48K Price: £6.95 Format: Cassette Supplier: Gamebits, 45 The Loft Rd, Kilmalee, Leinster. TEL: phone rang late one night. The only way I could find who was calling was to lift the receiver.

"Hello, Sir," I heard, "this is P.C. Harrington from Devonport. We've had a 'veritable murder done' 'ere, Sir, and to be

discovered, consists of several shops, a carpenter, a police station, a church and a sheep pen.

By SEARCHing you may find several objects. Occasionally you'll stumble across a muffled cry, or a Mord-Thrux sheep, who won't hesitate to sink their fangs into your leg or hand you over, thus sapping your strength.

Strength is displayed when you type SCORE along with the percentage of locations so far visited and the time of day. There is no time limit but some strange things you happen at night, so beware!

While you are walking around the village, your strength is slowly being depleted and the food parcels, thoughtfully left lying around, may be busy to provide you with much needed energy. As well as the usual commands, such as TAKE, QUIT and HELP, the program features a SAVE GAME routine. You may also, if you feel the need, FIGHT a character. Additionally, you may type in as many commands as you like as you wish. So you may type: SEARCH GROUND. PICK UP. GO NORTH.

As you move around the village you'll meet local inhabitants and you may ask them to give you clues as to the murderer's whereabouts and identity. The replies are entered into your notebook, and at any time you may READ NOTES. The replies will then be redisplayed on-screen for you to inspect.

The unique thing about Murder at the Manor, is that each time you play, a different character is chosen as the murderer. Thus, as in Cluedo, each game is different. While not as sophisticated as some American Adventures such as those from Infotronics, which include case notes and newspaper cuttings, Murder at the Manor will certainly help you while away many hours trying to unravel the mystery. **TB**

So far, so ordinary. Murder at the Manor does not differ in the slightest from similar programs from Philipps Associates, Quixote and others. The program are rather slow down, and, as the program is written in Basic, wrongly typed inputs can result in frustrating trails, until the obligatory PARDON appears.

Every time a location is visited, the picture is redrawn and this usually takes a long time. It would be better if this process could somehow be skipped. It becomes even more frustrating as many of the locations have exits that seem to loop around to other, already visited locations. Thus, the carpenter, one of the starting points seems to go on forever if the player continues to head west. Only by veering off at a tangent does the adventure stumble across further locations.

The village, as far as I have

Legacy of gems and wizards

Adventure Wizardry II: The Legacy of Colquhoun Micro Apple II+, A/E, £5 Format: D

◀ **Disk Supplier Six-Pack**
Oysterburg, New York.

AT LAST the third Wizardry scenario, Legacy of Llylgamys, has arrived, complete with the much-awaited Winda-Wizardry.

Now Wizardry fans can stop watching television, reading books and doing all these other fill-in activities, and get on with the serious business of saving Llylgamys from a fate worse than Winda.

In case you've been away for the last few years, we'd better explain that Wizardry is a role-playing fantasy adventure game and was voted the most popular piece of software by the readers of Softalk magazine.

The first package, *Proving Ground of the Mad Overlord*, set the style and the second scenario, *Knight of Diamonds*, required a character to be transferred from the *Proving Ground*. In *Legacy of Llylgamys* a character can be transferred from either the first or second scenario so you don't need to have completed *Knight of Diamonds*.

In view of the fact that *Legacy* will only sell to owners of at least *Proving Ground* we'll assume you know the basic style. The two questions I'll try to answer are: Is *Winda-Wizardry* all it is claimed to be and how does the third scenario rate?

According to a quote featured in the press handbook *Winda-Wizardry* contains the window graphics of the Apple Lisa. Having used the Lisa system, we believe that this is a bit of an over-statement. To paraphrase Richard Lovelace, windows do not a Lisa make nor trailing wire a mouse. But ignoring such comparisons, *Winda-Wizardry* is a definite improvement on the old *Wizardry* display.

The idea is that the familiar three-D mouse display fills the screen, but information is superimposed on this when necessary. Hence, rather than have the screen divided into the various boxes with the information always there, the mouse is given the prominence it deserves and windows are overlaid. In fact windows can overlap each other and it is probably this aspect which led to the comparisons with Lisa. However, the size of the windows and their positions on-screen are fixed by the

program rather than the user.

The game comes on the usual double-sided disk with the mouse on one side and the scenario on the other. Since it requires characters from either *Proving Ground* or *Knight of Diamonds*, your first job is to transfer your characters onto a copy of the scenario disk. You must use a copy of the scenario disk, but it's now possible to make a copy even if you only have one disk-drive.

During the transfer process you can change the alignment of a character so your evil image can suddenly become as pure as the driven snow. But neither good or evil can succeed alone, so your party will be a motley bunch.

Before the game begins there is what amounts to a trivia picture book to explain the story. This is an interesting departure from the usual *Wizardry* style, but it's a pity the reader isn't given control of the picture-taking. If you spend too long looking at the pretty pictures, you miss the narrative.

After all the copying, transferring, and so forth, what about the game? Well, *Wizardry* fans shouldn't be

disappointed because all the familiar aspects are there — mazes, enemies to fight, treasure to win and riddles to answer before completing the quest. One of the levels contains what the designers consider to be "the worst mopper's nightmare ever to appear in a *Wizardry* scenario", so be warned.

A new *Wizardry* scenario would have been news anyway, and the addition of *Winda-Wizardry* makes the game even more enjoyable. As the long winter nights draw in, put another leg on the fire and get forth into the unknown to save your people — this is the *Legacy of Llylgamys*. CM

Unwelcome gremlin guests

Adventure Operation Gremlin
Micro Disc 5.25 Price: \$9.95
Format: Casio's Suppiner
Hawthorn, 35 Lyndale Park
St. Paul, MN
A GRAPHICS-oriented adventure with arcade action, Opera-

tion Gremlin is set in a space city that has been overtaken by gremlins.

Captain Stone and his crack squad of seven troopers have been sent in to rid the now evacuated city of its unwelcome visitors.

The city is shown as an aerial view, with lanes and highways connecting various buildings such as the space port, wire store, observation dome, leisure center and broadcasting walls. The map is much larger than you'll see so scrolls in the direction of the trooper being moved.

Each trooper is represented as a small figure. Controlling any one of the troopers at a time, you move around the city by means of the up, down, left and right cursor keys. Batted around are various objects, mostly weapons. A trooper may move into one of these objects and the key P pressed to pick up the object (it drops it).

Pressing the key reveals what the object is. Only one object can be stored at a time and not all weapons are harmful to the gremlins. Part of the fun is discovering what weapons have what effects.

Training plane takes flight

Simulator 737 Flight Simulator
Micro Disc 5.25 Price: \$9.95
Format: Casio's Suppiner
Saltzman, 171 North 2nd St.
Brighton.

If YOU are very lucky I won't be plotting your 747 holiday flight next summer.

This program is any indication of my flying abilities the chances of me ever getting you and Aunt Ethel more than half-way to Malaysia is roughly zero.

The program comes in a large, padded silver-cassette-type packet complete with a 28 page manual on the controls console required to fly the simulator.

As with other programs of this kind the aspiring pilot must spend quite some time familiarizing himself with the many commands and options before testing down the runway.

To enable the novice to have a quick flip through is a step by step set of instructions which will get you airborne. All you have to do is go down again.

The screen layout consists of a fair representation of the analog and digital instruments



panel. However, I would have preferred more dials and dials than the large number of digital readouts which, while they may be easier to read, do not give quite the same effect as the more traditional panel.

In addition to the standard instruments there are radio beacon indicators and an instrument landing system.

A pilot's view is given above the panel showing the converging lines depicting the run-

way during takeoff and landing. The runway is replaced by an aircraft's track map showing flying time. This map shows aircraft position relative to the runway and surrounding terrain.

A new runway and beacon layout can be set up using options set by the player. This can include ground atmospheric conditions for that day.

To take off by a holding pattern then returns safely to the runway. Using the radio and radio beacon signals takes many hours of simulated practice. My airfield is now peak-mounted with water and the control tower can't be seen for wreckage.

Simulator programs are a strange mixture of game and education. They have little novelty value (although it can be fun to watch the engines off at 3000 RPM) and I suspect they have little relationship to actual flying.

If you are interested in flying a jumbo, this simulator is well up to the standard of those available for the Boe B747.



Some have used alarming comparisons, but I'm not telling you what and which.

Candidates are three eggs: eggs, greys and greenies. Both eggs and greys are stationary, but the eggs hatch into greys and the greys turn into greenies. The greenies are bouncing space invaders like creatures which move around the city. To destroy any egg the trooper must be alongside, possess a suitable weapon and press one of the keys immediately after the cursor keys (to aim the weapon is the appropriate direction).

Other commands at your disposal are S which gives a status report, E to exit, F to see a transport shuttle (the last movement outside parts of the city), I-H to control one of the eight Hooplers, and R to repair a damaged building. You can use U to unlock something (you'll have to figure out the use of this yourself). All text messages appear at the bottom of the screen with scores and statistics at the top.

Various catastrophes occur from time to time, such as screen-shaking enemy attacks. The adventure is played in real time though you do have a choice of many difficulty levels and a slow or long game.

It is an interesting and enjoyable romp which, played against the clock, provides a stimulating and challenging game. Professionally produced and well worth the price. **BC**

Mystery of the machine

Adventure Time Machine
More **ABC's**, Spectrum
Price **£5.95** Format **Cassette**
Supplier **Digital Fantasy**,
24 Northwick Road, Newbosc,

Blarneyton, Jerseyville.
TIME Machine is one of a series of Mysteries Adventures, all currently available.

The cassette case comes in a large cardboard box with the publisher's name all over it. I suspect most people would choose this aspect. There is also a booklet enclosed, which is a general guide to mysterious adventuring.

The program is text only, written in machine code, so screen updates are not instantaneous. The screen is divided into two. In the top half is a brief room description and list of objects, while the rest of the screen is a text window for commands. These follow the usual **GET LAMP** format, and if the program cannot understand it gives some indication why.



There are no specific instructions given in the packaging so you have to find out for yourself, by playing the game or tracking Digital Fantasy's advertising, that the object is to rescue a professor by finding the three missing pieces which control his time machine.

The machine is the integral part of the adventure, and using it you must travel (some-what erratically) through time to eventually find all three pieces.

The machine's behaviour is perhaps the most intriguing part of the whole game, as to get anywhere you must **ENTER MACH**, **PULL** one of the two controls, and **LEAVE MACH** to see where you are. As far as I can see there is no logic to the machine's travel.

Time Machine could be described as a puzzle adventure, that is there are no dangers to see, or things to solve up. This is a puzzle solving game, sometimes easy, sometimes hard. All of the puzzles are logical, which is the one criticism I have of this adventure. Everything is there for a purpose. I like this

in itself, but would welcome a few red herrings along the way, and so far I have found none. After two days I had found two of the pieces and was on the way to the third.

You will find no cheated

spelling mistakes, or bugs in the adventure. It is very playable, including **SAVE** at positions. There is nothing really wrong with any of it but as nearly 400 I believe that it is slightly overrated. **MS**

On a wide knife's edge

Adventure The Knight's Keeper
More **Dragon** At Price **£7.95**
Format **Cassette** Supplier

Picture: A Knight's Keeper, Charbon, Kym.
The Knight of Kintia is a role-playing adventure with a touch of Dungeons and Dragons character creation mixed in for good measure.

The game is played in and around an lot chival and the usual commands **GET** (**KNEEL**, **EAT** (**FOOD**)) are **!**

An ocean in which you cannot swim

Adventure Zork III
More **Apple, Atari, Commodore 64, Int PC, ZX Spectrum**,
CP/M systems Price **£18.75**
Format **Disk** Supplier
Daphne v/o Softart, Central Way, Fobham, Middlesex.

ZORK III is the latest of the great Zork trilogy and like the others it is a text adventure with commands that are entered into the computer as sentences and allow you to do more than one thing at a time. Unlike the others, Zork III is a fairly small world and experienced adventurers may not need to map it although a map is a great help in certain places. Being a small world does mean that there are few puzzles to figure out, but then that are there are real treasures and this adventure will take just as long to solve as any other.

Disappointed gamers expecting to get points for cracking difficult puzzles will be disappointed here. The points come from doing relatively easy things. There are only seven points to gain and you may have amassed a number of these and still not have realised what is happening.

The adventure starts at the bottom of an endless staircase and lying around is one old friend from past adventures the brass lamp, now looking slightly tarnished I shouldn't wonder.

Moving around you will find an eleven roomed. Don't waste your breath trying to remove it from the rock it is embedded

in. The sword will come to you later when you need it.

As with all the Zork adventures you must read the room descriptions very carefully. They are well written and describe your surroundings graphically. They also hide lots of little clues so it is worth reading them two or three times.

Other places of interest in the Zork III tour are the Flashed room. You cannot swim here but hang around for a while and something may happen. You will be able to swim in the lake.

Swimming west will take you to a place called the Serenic Vista. An important place this. Take your time and examine objects with care. No entering the lake and swimming on you will eventually come to a cave. What you did at Serenic Vista will prove dividends here.

Shadow Land is where you first come across the mysterious cheated figure. He will block your way and although fighting him may help your frustration it will help to solve the adventure.

Continuing through the game you will enter the museum, the jewel room and the royal party, which incidentally is one of the funniest parts of Zork III and has only one solution so far as I can see.

I will not spoil it by telling you more, but you will meet the guardians of Zork and eventually the dangerous man in. Good hunting. **MS**

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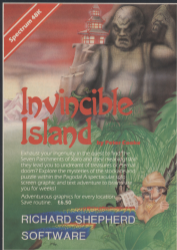
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A TIME-TRAVEL PUNISHMENT

Recognized in the adventure. The cassette comes with a comprehensive instruction booklet. The program has so far loaded over 20 times with not one I/O error.

Your objective in this adventure is to rescue Larilla, the King's daughter, and return her safely home. To help you in your mission up to four characters with their own special abilities such as wisdom, can be created. An alternative is for four other people to play the game at one session, thus players could help each other when facing a problem.

The game's vocabulary is quite large, but only a few commands are given to you before the game set a procedure of trial and error must be used to find and remember the correct commands.

The response times are slow at four to five seconds but when a game is as enjoyable as this one, time does not matter.

The Knight of Robin is an entertaining adventure with some intriguing problems, but on the whole any average player or beginner could finish the game in a few weeks. **BM**

This town is coming like a . . .

Adventure Ghost Town
Spectrum 494 Price £1.50
Format Cassette/Supplier
Hygin Games, 67-68
Pineville Rd, London.

GH0ST T0WN is as you'd imagine from the title an adventure set in a deserted town somewhere in the old west.

Hybrid wins the accolades

Adventure Ark Atar 486
Spectrum 494 Price £2.50
Format Cassette/Supplier
Ultimate Play the Game, The
Clives, Ashby de la Zouch, Leicestershire.

ULTIMATE already have a formidable reputation among arcade-game fans, but Ark Atar is bound to fit their name firmly in the minds of adventurers.

They have been a number of attempts to blend a hybrid arcade-adventure, most notably Crystal's Halls of the Things and Ark Atar is the first game to transcend this worthy ideal to give us something new and original. It has the feel of both its ancestors without their flaws.

Simply put, this is a magnificent game. In a haunted castle you must search the five

floors from side to side for the three parts of the key you need to escape. On the way you'll meet thousands of monsters from snakes and moths to flying pumpkins which you can zap in traditional arcade style.

Every room is displayed three-dimensionally from above and many are furnished lavishly. Transition from room to room is smooth and instant. The illusion of levelled movement through a vast, labyrinthine building is utterly convincing.

To enhance the adventure side of the game there are more powerful enemies like Dracula and the mummy who must be fought with special objects found scattered throughout the castle.

There are different coloured

keys to be picked up to open coloured doors, and you must constantly replenish your food supply (graphically represented by a self-consuming roan chicken).

You can also choose to be a sorc, knight or wizard, which affects the rooms you travel and weapons you use.

When you finally do both an arcade-type score and an adventure success percentage are shown, so you can play the game to break either of these goals.

With superb animation, easy control of your actions (you don't need six hands to use the controls), a huge area to explore and all wrapped up with a great sense of humour for a modest £2.50, this game can be recommended without reservation. **DB**

When the game begins you find yourself, without the benefit of a single instruction to tell you why you're there or what you're looking for, in the main arena. The only thing to do is explore, and luckily there is an on-screen display showing the street plan of the immediate area. You set off eagerly into the saloon or the hotel.

At this point disillusionment sets in. Most of the buildings have no graphical illustrations and many consist of only one room. All of them are strikingly barren and it soon becomes apparent that most of the things described are only there to sit on the score, since you can't look at them more closely, examine them, or affect them in any way.

The word "You can't" becomes all too familiar, since they are the response to all but the most obvious commands. The problems to overcome are similarly straightforward, so since the requisite number of items have been collected it's a short task across the desert to the gold mine, which inevitably turns out to be your goal.

By far the best thing about Ghost Town are the graphics. The street plan is useful and clear, the pictures of rooms (all

but of them) are very attractively drawn, and the music which forms the major obstacle to finding gold is convincingly depressing.

The program defines its own character set which is clearly designed and an improvement on Spectrum's. But the plot and descriptions are so ordinary and the choice of actions so limited that Ghost Town would probably be boring for the experienced adventure and frustrating for the novice. Overall, not a bad game, but certainly nothing special. **DB**

A bug worth finding

Adventure Castle of Riddles
Atar 486 Price £1.50
Format Cassette/Supplier
Armsword, 44 Market Ave,
Cambridge.

WHILE thinking out one of the dragons I find on a cassette which one of the death must have dropped. On wiping off the bar's blood I found it to be Armsword's Castle of Riddles. A quick look around revealed no traps so I picked it up and flew (which is a clever trick if you know how to), so no more. Kicking an inoperative mirror down out of the way I loaded up and prepared to do battle.

The quest is apparent in to enter the castle of a sorcerer which has been taken over by his evil rival and then return with the King of Power. I found myself outside the main part of the castle with paths leading off round the back. Nothing returned I went straight in - wrong! Picking myself up I returned and



FOR THE SPECTRUM 486

Finally entered the main courtyard where, surprise, surprise the King is really found. I published it - wrong!

Needless to say this is another great adventure from the Acornsoft stable. It has good atmosphere and a wealth of traps.

The game has the additional incentive of a large prize for the first. Besides hints to solve the final mystery and I assume it was for this reason that the many mazes have been included. Personally I hate mazes but as these have novel solutions I will forgive them.

As the game has a continuous story line I found it more exciting than some of the earlier adventures from Acorn

and some of the traps have a nice touch of demonic humor.

For those meeky individuals who can't read the maplets to cheat, I'm afraid Acorn's cheat wizard has made this game almost "bambi proof". Being pretty sneaky myself I've spent some time trying to write the secrets from the code and I'm not winning.

Needless to say I, like the Writing Well bucket, am now stuck in the mud beneath the castle. I only hope some other adventurer comes along soon to help get me out as I've a nasty suspicion my lamp is going dim and that damn giant spider is still around here somewhere. AM

First Impressions worth overcoming

Adventure Inevitable Island
More SpiesFun 48K Plus
 £5.95 Acornsoft
 Suggested Retailer
 M.Years, 21st House, 29-31
 Abchurch Lane, City Road,
 South, Berks.

MY FIRST impression of *Inevitable Island* was that it left a lot to be desired.

The tape took an inordinately long time to load and the on-screen introductions were formatted slowly with an annoying beep accompanying the arrival of each letter. But I have to admit that if I had left it as that I might never have reviewed this wonderfully compact adventure.

The screen is split into two distinct areas. The top third or so is for graphics where a different picture is presented for each location. This means that

there is little if barely involved in determining your current whereabouts during the adventure.

The remainder of the screen is the scrolling-text window. Unlike other adventures of this type there is no separate command area so your instructions scroll up the screen along with all the normal information.

Multiple commands are entered for, and can be quite a nuisance. The package includes the usual SAVE and LOAD facilities.

Basically, the scenario revolves around a letter you have received informing you that there is a large amount of treasure on this island to be had. But first you must find the seven parchment maps. The parchments can be examined on-screen and reveal a coded message as to the whereabouts of the treasure. Your aim is to depart from the island with the treasure, and your life!

This program is an ideal, frustrating introduction for first-time adventurers and poses some interesting problems for the more experienced. It is, to my mind, good value for money and should provide hours of enjoyment for all.

All that remains is a final word of warning: don't try to call away in the boat until you know where to go. BC □



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How to write your own adventures

Andrew Pepper describes some of the techniques programmers use when writing adventures

ADVENTURE GAMES, or Role Playing Games, have been available on mainframe computers for many years, usually available only to a select few.

Crowther and Woods' *Adventure* is probably the most well-known. Good adventures (as in a good map), *Star Trek*, developed by Hewlett-Packard, is the best known random adventure with each map different, although developed within fixed constraints.

Recently, in the past three to four years, personal computers have begun to have standard memories of reasonable size (16-64K). This has allowed adventure programs to be written for the personal computer, producing a new generation of adventure games and, because of the large market, setting new standards.

Adventure programs are generally quite large because of the number of messages associated with them. This does not mean that they are difficult to write; I normally would expect to produce an adventure game within a week, most of the work being spent in short typing. Adventure programming, like writing, is 90% inspiration, 10% perspiration.

You must first of all decide what kind of adventure you wish to write. This is where inspiration plays its major part. Normally, as far as I am concerned, I have the idea that I wish to write the adventure, finish it and try to think of a subject does not seem to work for me. However, when choosing your name there are guidelines you should follow.

Adventure programs are generally used as an escape. When playing one you can imagine yourself in command of a spaceship, travelling the universe at warp speeds, or a mighty warrior, exploring a maze of tropical passages in search of treasure.

You should remember that the program is an escape from reality. People are more likely to enjoy a program which has *Blades*, the space knight, exploring the cosmos than, say a program which involves Eric Grant exploring the Northwest line. Adventures should be exciting, dangerous and unpredictable.

Breeding

From this premise the range of adventure subjects should be limitless. "Any dream you want to have". In practice adventure programs are very commonly set either in space or in a cave system such as *Star Trek* and *Adventure*.

It is an advantage to know something about the subject you are writing a program about. Not that you have fought a dragon or flown the space shuttle, but if you have a passion for science fiction then a space adventure of some kind might be a good one to start with. Whatever the case research the subject.

Suppose you have decided to write a space adventure of some kind (you may not know what kind yet). If people are going to be able to believe that they really are flying a spaceship then you need to build up a picture of what the spaceship is like; how it

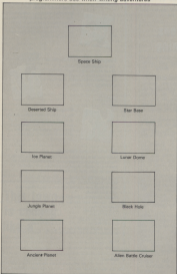


Figure 1. Typical overall map of a space-type adventure

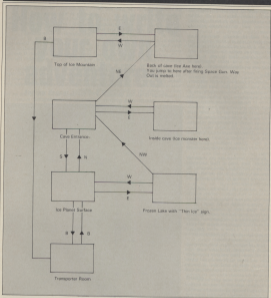


Figure 1: Detailed description of the Ice Planet — a section of the overall map shown in Figure 1.

Q] you are to meet. You should arrange that all the objects are necessary to the game. You should also note down any effects the objects have and what is required to deal with such monsters. I say deal with as you may not necessarily kill them. You may, for example, have a monster which you can tame. Figure 2 shows an example of the type of information you should write down.

Next you should start work on detailed, room-by-room descriptions. There is no need to go through the entire map at this stage, although you can if you want to. These detailed descriptions should be

drawn on one piece of paper for each section.

Using up

I don't usually bother to go down to a word-by-word description of each room. But I do give each room a unique name. At this point I decide what objects are going to be in what room. Objects are usually of three types: ones you can get, ones you can't get and ones you must fight. You should place the objects in logical places; if you land on a primeval planet you wouldn't expect to find a spaceship there, although you might find a water can.

The connecting lines between rooms, indicating the route to be taken to get from one room to another can be drawn now. You could keep it simple and allow between four (North, East, South and West) and 10 (N, E, S, W, NE, NW, SE, SW, up and down) routes. Figure 1 shows the detailed description of the Ice Planet; a section of the overall map shown in figure 1.

After doing all this you should have an overall map of the adventure, a list of objects and monsters and their effects, some notes on how the monsters are dealt with and a partial detailed map of the adventure.

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YOUR ADVENTURES

Auto-repeating on the ZX81

An auto repeat facility for the ZX81 from J. Gallagher in Kingsbury, London
One of the advantages of any sort of input on the ZX81 is the computer's lack of an auto repeat facility on its keys.

This program gives you just that. It works by intercepting the display interrupt (called 20 times a second) using interrupt mode 1. The routine is held at 7F20 onwards.

If a key is held down for a short while (adjust this by putting 11266 with a value from one to 255) then the routine continuously sets the debounce system variable to 0, making the operating system think it has received a new keypress.

Error the hex loader followed by the hex code in the disassembled listing. Delete lines 18-19 and then enter the second program. Run to zero. To call the routine Randomize Use 3217.

This month's selection concentrates on the Sinclair machines — offering the first part of a new adventure from Keith Parrock and an auto-repeat facility for the ZX81. Keith's Castaway adventure involves collecting 25 items to refill your boat, while avoiding traps and solving problems. The program responds to 32 words — including what becomes a deeply felt need, PRAY.

J. Gallagher has a different solution to another type of problem — the lack of an auto-repeat facility on the ZX81. His program gives you just that. Next month we'll be featuring the second and final part of Castaway, along with tips for other readers — so keep on sending in your adventures and any program routines.

Send us your adventure listings — modules which readers can incorporate into their own games, short adventures and useful programming routines are all welcome. Please send us a printout and cassette along with a general description of the program and details of how it is constructed and can be used. If you want us to return your program, enclose a stamped, addressed envelope. If you have any queries on the listings, write to the appropriate author, Your Adventures, Micro Adventures, 12-13 Little Newport St, London WC2R 3LD

```

7F81 POP DE
7F82 LD BC,7F10
7F83 PUSH BC
7F84 PUSH DE
7F85 LD H,1E
7F86 LD I,A
7F87 LD A,00
7F88 LD B,FF
7F89 DJNZ -8
7F8A LD BC,1801
7F8B JR 1
7F8C JP 35
7F8D PUSH AF
7F8E LD B,7E
7F8F LD I,A
7F90 JR 8,14025
7F91 CP FF
7F92 JR NZ,7
7F93 LD A,80
7F94 LD (14021),A
7F95 POP AF
7F96 RET
7F97 LD A,(14021)
7F98 INC A
7F99 LD (14021),A
7F9A CP 8A
7F9B JR NC,3
7F9C POP AF
7F9D RET
7F9E LD A,80
7F9F LD (14027),A
7FA0 POP AF
7FA1 RET
7FA2 NOP

```

```

HEX-LOADER
1 REM .....AT LEAST 66 DOTS...
.....
.....
10 POKE 16514,1
20 POKE 16515,127
30 LET A=16516
40 LET A$=""
50 IF A$="" THEN INPUT A$
60 POKE A,16+CODE A$+CODE A$*2
)-4,70
70 LET A=A+1
80 LET A$=A$(3 TO )
90 GOTO 60
5 SAVE "REPEAT"
10 FOR A=0 TO 67
20 POKE 32511+A,PEEK (16514+A)
30 NEXT A
40 POKE 16389,125
50 NEW
TO START ROUTINE TYPE= RAND USA
32537

```


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```

1670 RETURN
1681 PRINT "You are carrying 100
such". GO TO 7a

1688 REM *****
1688 GO SUB 1000. IF 1=0 THEN RE
TURN
1689 IF 0100:08 THEN PRINT "You
are 001 carrying it". GO TO 7a
1690 RESTORE 02+0. READ 0
1691 PRINT "Use it's drops".
LET 0100:01. IF 02 AND 0100 TH
EN LET 0100:01. LET 0100:02. AN
D NT "That's a piece of equipm
ent
1692 LET 0100:01. IF 02=00 THEN
GO TO 8000
1693 RETURN

1699 REM *****
1699 GO SUB 1000. IF 1=0 THEN RE
TURN
1700 LET 0100:01. READ 0.01.01
1701 PRINT "Use it's drops".
LET 0100:01. IF 02 AND 0100 TH
EN LET 0100:01. LET 0100:02. AN
D NT "That's a piece of equipm
ent
1702 LET 0100:01. IF 02=00 THEN
GO TO 8000
1703 RETURN

1709 REM *****
1709 GO SUB 1000. IF 1=0 THEN RE
TURN
1710 LET 0100:01. READ 0.01.01
1711 PRINT "Use it's drops".
LET 0100:01. IF 02 AND 0100 TH
EN LET 0100:01. LET 0100:02. AN
D NT "That's a piece of equipm
ent
1712 LET 0100:01. IF 02=00 THEN
GO TO 8000
1713 RETURN

1720 REM *****
1720 GO SUB 1000. IF 1=0 THEN RE
TURN
1721 IF 0100:01 OR 0100:02 THEN S
1722 LET 0100:01. LET 0100:02.
1723 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1724

1729 REM *****
1729 GO SUB 1000. IF 1=0 THEN RE
TURN
1730 IF 0100:01 OR 0100:02 THEN S
1731 LET 0100:01. LET 0100:02.
1732 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1733

1740 REM *****
1740 GO SUB 1000. IF 1=0 THEN RE
TURN
1741 IF 0100:01 OR 0100:02 THEN S
1742 LET 0100:01. LET 0100:02.
1743 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1744

1750 REM *****
1750 GO SUB 1000. IF 1=0 THEN RE
TURN
1751 IF 0100:01 OR 0100:02 THEN S
1752 LET 0100:01. LET 0100:02.
1753 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1754

```

```

1759 REM *****
1759 GO SUB 1000. IF 1=0 THEN RE
TURN
1760 IF 0100:01 OR 0100:02 THEN S
1761 LET 0100:01. LET 0100:02.
1762 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1763

1770 REM *****
1770 GO SUB 1000. IF 1=0 THEN RE
TURN
1771 IF 0100:01 OR 0100:02 THEN S
1772 LET 0100:01. LET 0100:02.
1773 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1774

1780 REM *****
1780 GO SUB 1000. IF 1=0 THEN RE
TURN
1781 IF 0100:01 OR 0100:02 THEN S
1782 LET 0100:01. LET 0100:02.
1783 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1784

1790 REM *****
1790 GO SUB 1000. IF 1=0 THEN RE
TURN
1791 IF 0100:01 OR 0100:02 THEN S
1792 LET 0100:01. LET 0100:02.
1793 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1794

1800 REM *****
1800 GO SUB 1000. IF 1=0 THEN RE
TURN
1801 IF 0100:01 OR 0100:02 THEN S
1802 LET 0100:01. LET 0100:02.
1803 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1804

1810 REM *****
1810 GO SUB 1000. IF 1=0 THEN RE
TURN
1811 IF 0100:01 OR 0100:02 THEN S
1812 LET 0100:01. LET 0100:02.
1813 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1814

1820 REM *****
1820 GO SUB 1000. IF 1=0 THEN RE
TURN
1821 IF 0100:01 OR 0100:02 THEN S
1822 LET 0100:01. LET 0100:02.
1823 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1824

1830 REM *****
1830 GO SUB 1000. IF 1=0 THEN RE
TURN
1831 IF 0100:01 OR 0100:02 THEN S
1832 LET 0100:01. LET 0100:02.
1833 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1834

1840 REM *****
1840 GO SUB 1000. IF 1=0 THEN RE
TURN
1841 IF 0100:01 OR 0100:02 THEN S
1842 LET 0100:01. LET 0100:02.
1843 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1844

1850 REM *****
1850 GO SUB 1000. IF 1=0 THEN RE
TURN
1851 IF 0100:01 OR 0100:02 THEN S
1852 LET 0100:01. LET 0100:02.
1853 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1854

1860 REM *****
1860 GO SUB 1000. IF 1=0 THEN RE
TURN
1861 IF 0100:01 OR 0100:02 THEN S
1862 LET 0100:01. LET 0100:02.
1863 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1864

1870 REM *****
1870 GO SUB 1000. IF 1=0 THEN RE
TURN
1871 IF 0100:01 OR 0100:02 THEN S
1872 LET 0100:01. LET 0100:02.
1873 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1874

1880 REM *****
1880 GO SUB 1000. IF 1=0 THEN RE
TURN
1881 IF 0100:01 OR 0100:02 THEN S
1882 LET 0100:01. LET 0100:02.
1883 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1884

1890 REM *****
1890 GO SUB 1000. IF 1=0 THEN RE
TURN
1891 IF 0100:01 OR 0100:02 THEN S
1892 LET 0100:01. LET 0100:02.
1893 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1894

1900 REM *****
1900 GO SUB 1000. IF 1=0 THEN RE
TURN
1901 IF 0100:01 OR 0100:02 THEN S
1902 LET 0100:01. LET 0100:02.
1903 PRINT "The body vanishes /
see sight". LET 0100:01. GO TO
1904

```

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I WANT to devote this month's column to one of the most sophisticated adventure games ever devised — *Valthalla* from Legend Software.

In some respects *Valthalla* has all the classic and well-trod ingredients — any adventure addict will recognize them.

It is set in the land of Norse myth; Asgard, Midgard and the wilderness of hell. *Valthalla* is chock full of good and bad gods, magic artifacts, mysterious locked doors and quests to be fulfilled.

The big difference with *Valthalla* is that all these things appear on screen and any action has a visible consequence. This means that if you type "I see pick up food" to see and behold a little character moves across the screen and picks up the food.

A full analysis of *Valthalla* will have to wait until another time but it's perhaps worth asking whether *Valthalla* is really an adventure at all. Already some of the hardened non-adventure freaks can be heard muttering darkly about "takes all the imagination out of it . . . who wants to see everything anyway?"

I propose to treat that argument in the same way I would a job of examining fire detectors —

ADVENTURE HELP

If you need advice or have some to offer write to Tony Bridge, Adventure Help, Micro Adventurer, 12-13 Little Newport St, London WC2R 2LD



stop nearly over it, and simply say that fire detectors are not, a lot of adventures are playing *Valthalla*.

Believers in the four-year-old whistled much are going to be sadly disappointed — those were some involved in the creation of *Valthalla*.

The program is the work of six people, a team created solely for the purpose of producing the game. Each person had a specialized area to work in and the project was coordinated by team leader John Ford who designed the map of the game.

The youngest team member is James Lovemont, an 18-year-old responsible for the animation effects. The other team

members are in their mid 20s and have had previous experience on mainframe-computers.

Richard Edwards formerly worked at IBM and handled most of the machine code programming. Graham Asher worked out the logic of the characters' behavior; their apparent independence is one of the more immediately impressive things about the game. The only woman on the team, Ann Oaker, worked on the behavior of the game and gave the characters their personality.

Work began in February with the coding starting in March — it actually arrived in October to a rapturous reception.

ADVENTURE CONTACT

MICRO Spectrum 48K Adventure The Hobbit Problem How do you get out of the goblin's dungeon, and how do you get the Ring? Name Peter Shantz Address 26 Doods Park Rd, Belper, Derby, Surrey.

MICRO Spectrum 48K Adventure Dungeon Adventure Problem How do I get past the carnivorous jelly and how do I reach the altar? Name Gwyn Owen Address 28 Redcliffe Walk, Worsley, Middlesex.

MICRO BBC B Adventure Castle of Kidiles Problem How do I get out of the game's shooting gallery without being shot? Name Jonathan Boyd Address 80 Greenisle, Bonhill, Cambrid.

MICRO BBC B Adventure Castle of Kidiles Problem How do I get out of the jet-black passages, and how do I open the safe? Name K P Parker Address 1 Blenheim, Lowick Green, Ulverston, Cambrid.

MICRO Spectrum 48K Adventure Espionage Island Problem How to go down the river without being shot and

the relevance of the grid list on the table Name T Dewar Address 16 Waltham Way, Melford Newbury, Leics.

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King's dungeons? Name R. Alden Address 81 Derby Rd, Chalfont, Derby.

MICRO Spectrum 48K Adventure The Hobbit Problem How do you get into the goblin's mountain? Name J A Downing Address 113 Marlton Rd, Aldenham, Hants.

MICRO Spectrum 48K Adventure The Hobbit Problem How do you get past the waterfall? Name Paul Stacey Address 10 Leyburn Crescent, Harold Hill, Romford, Essex.

MICRO Vix 20 Adventure Adventureland Problem I can find only eight treasures, where are the rest? Can you pass the bear without honey? Name Tom Hinkson Address 114d College, The University, Belling, Lancashire.

MICRO Dragon II Adventure Adventure 300 Problem How do you get past the snake? Which panel A-L is the correct? How do you get into the subbuilding next to the grain store? Name I Fozzy Address 15 Surrey Way, London West, Essex.

HAVE YOU BEEN staring at the screen for days, or given up in disgust, stuck in an adventure whose problems seem insurmountable? Adventure Contact may be the answer. This column is designed to put adventures in touch with one another. When you've completed a fellow-adventurer may be able to help — and you may be able to solve other people's problems. If you are having difficulties with an adventure, fill in this coupon and send it to Adventure Contact, Micro Adventurer, 12-13 Little Newport St, London WC2R 2LD. We will publish Adventure Contact entries each month in this special column.

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