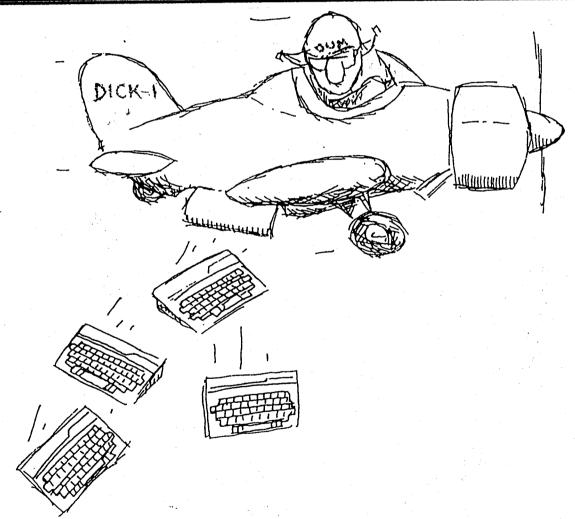


USER Montuly

with Oric Enthusiasts

Europe's longest running Oric magazine Number 46 June 1991



Our intrepid Editor bearing gifts to France

THE EDITORIAL

THANK YOU FOR THE NICE THINGS THAT YOU SHY MEOUT THE MAGAZINE. I THINK THAT THIS ISSUE COULD BE OUR BEST TO DATE. THE EXTRA PAGES WERE THE RESULT OF OUR SWEEPSTAKE IDEA. I WILL GIVE THOSE WHO DID NOT RESPOND A FURTHER 3 WEEKS TO GET UN BOARD AND THEN WILL MAKE THE GRAND DRAW. THANKS ARE ALSO SENT OUT TO ME. TOWNSEND FROM RUSTINGTON WHO HAS DONATED SOME SOFTWARE. I WILL SURT THROUGH IT HND ADVERTISE IT TO MEMBERS IN THE NEXT ISSUE.

EVEN WITH 22 PAGES/I HAVE BEEN UNABLE TO INCLUDE EVERYTHING AND THOSE WHO TAKE THE P..S OUT OF THE EDITOR WILL HAVE THEIR QUOTA REDUCED - JUN JAMJOM IS STILL SOBBING SOMEWHERE ON THE M25.

NEXT ISSUE - A REPORT ON THE FROGGIES FROM THE ROAST BEEF POINT OF VIEW, MORE LISTINGS/MORE ARTICLES AND GENERALLY MORE.....

ARTICLES FOR INCLUSION SHOULD REACH ME BY JUNE 22nd.

OUM OFFICE/BEDROUM

THE OUM OFFICE WILL BE CLOSED FOR ORIC RELATED ITEMS AS WELL AS THE OTHER FROM JUNE 6th UNTIL JUNE 16th, PLEASE DO NOT SEND ANY IMPORTANT ITEMS DURING THIS PERIOD AS THE HAMSTER IS BOUND TO GET HUNGRY WHEN HE RUNS OUT OF FOOD AND WILL PROBABLY EAT THE PHPERWORK.

ACCOUNT BOOK

WITH REGHED TO THE DISC VERSION, SEE 'ORIC ENTHUSIASTS' SECTION - CASSETTE USERS; PLEASE READ ON.

WE HAVE NOW ACQUIRED THE RIGHTS TO 'ACCOUNT BOOK' from SOFTBACKS, WHICH IS AN EXCELLENT PACKAGE FOR THE ORIC 1 / ATMOS. IT IS NOT CHEAP AS WE HAVE TO ROYALTIES AND TO PHOTOCOPY A 60 PAGE MANUAL.

THE PRICE WILL BE 4.50 incl. Postage

GET YOUR ORDER IN NOW !!!!!

S S BE HAPPY

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PAGE ONE - THE COVER (MORE HRTY WARTY FROM JONJAM)

PAGE TWO - EDITORIAL etc.

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PAGE QUATRE - READER'S LETTERS BELGIAN LETTERS and WHAT ARE LETTERS FROM FRANCE?

PAGE CINQ - LISTINGS

PAGE SIX - RAM ROM - FROM THE PEN OF A MIFFED JONATHAN H.

PAGE 7 - ORIC 1 Vs ATMOS

PAGE buit/NEUF - PACKET OF FAGS - DOPS! - I MEAN PACKET RADIO

PAGE 10 - PAGE 7 CONTINUED + OTHER THINGS (CONFUSING EH!)

PAGE 11,12,13 - FRACTALS - SORRY ABOUT THE QUALITY, BUT FEEL THE WIDTH

PAGE 14,15 - PART FOUR OF PETER BRAGG'S MACHINE CODE.

PAGE 16:17:18:19 - ORIC ENTHUSIASTS - ALAN WHITAKER

PAGE VINGT et VINGT UNE - REVIEWS AND THE SAMESTER>

PAGE 22 - THE BACK PAGE AND BACK COVER.

PLEASE NOTE THAT SOME PAGES HAVE PRINT ON BOTH SIDES ; SO DON'T GET WRITING TO ME SAYING THAT YOU HAVE PAGES MISSING.



++++++++++

NEWS....NEWS....NEWS....NEWS....NEWS....NEWS....NEWS....NEWS...

SPRITES

PETER BRAGG IS CURRENTLY INVESTIGATING AN ARCHIMEDES "SPRITE" FILE ON THE URIC.

ORIC EMULATOR

ADRIAN WESTLEY WAS FLIPPING THROUGH THE PAGES OF A RECENT ISSUE OF LEGGO-BRICK (ST) FORMAT AND CAME ACROSS AN ADVERT FOR AN ST/ORIC EMULATOR. IT IS AVAILABLE FROM: CALEDONIA P.D.L

> 250 OLDTOWN ROAD. HILTON/INVERNESS. IV2 APT

TEL: 0463 225736

کے بات کا انتخاب کے میں ان ان کے ان کا ان کا انتخاب کا ا



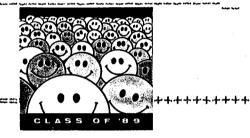
ORIG

HREH I

ROB KIMBERLEY HAS OFFERED H FREE TAXI SERVICE FOR THOSE FROM AREA I WHO WISH TO ATTEND THE AYLESBURY ORIC MEET IN JULY. IF MESSRS. BROWN, CLIFFORD AND HUDSON WOULD LIKE TO TAKE UP ROB'S OFFER; THEY SHOULD CONTACT HIM DIRECT.

ORIC USER MONTHLY

O.U.M ISSUE 44 (MPRIL) WENT OUT TO 80 READERS
" " 45 (MMY) " " 83 "



EX-DIRECTURY

ROBERT COOK IS NO LONGER ON THE SAME PHONE NUMBER. HIS ADDRESS IS AS BEFORE, BUT HE IS NOW EX-DIRECTORY.

ORIC MEET ORIC MEET ORIC MEET ORIC MEET

THE THIRD ORIC MEET IN HYLESBURY ON SATURDAY JULY 13th COULD BE OUR BIGGEST AND BEST EYER. TICKETS HRE 2 Pounds EACH. GET YOURS NOW !!!!

ROB KIMBERLEY SUGGESTS THAT ALL THOSE ATTENDING BRING A DONATION (SOFTWARE) CHOCOLATES/DRINK etc.) THAT CAN BE USED IN A GRAND DRAW/WITH PROCEEDS GOING TO O.U.M. ROB WILL DO THE SELLING (ARM TWISTING) ON THE DAY,

CLUB EUROPE ORIC

THE C.E.O NOW BOASTS 111 MEMBERS OF WHICH OVER A THIRD ARE BRITISH.
THE CEO-MAG IS NOW APPEARING VERY REGULARLY. THE LATEST ISSUE CONTAINS
20 PAGES AND INCLUDES ARTICLES ON: FORTH/PINBALL GAMES/FRENCH BULLETIN
BOARDS/AMATEUR RADIO AND LOTS LOTS MURE. A VERY GOOD READ IS THIS ISSUE.

ORION....ORION....ORION....ORION....ORION....ORION....ORION....ORION....

AS MORE AND MORE READERS TACKLE MACHINE CODE, FOLLOWIN RECENT ARTICLES ON THE SUBJECT, ORIC ENTHUSIASTS AND O.U.M HAVE GOT TOGETHER TO OFFER AN AID TO THOSE WANTING TO TRY MACHINE CODE OUT. 'ORION' FROM LOTALORIEN IS A COMPREHENSIVE ASSEMBLER/DISASSEMLER/SINGLE-STEP MONITOR WITH 22 PAGE BOOKLET. NORMALLY RETAILING HT 2 POUND, WE ARE NOW OFFERING IT FOR 1 POUND WHEN ORDERED WITH OTHER SOFTWARE OR 1.5% IF ORDERED ON IT'S OWN. THESE PRICES INCLUDE POSTAGE. ALL ORDERS TO O.U.M

DAVE

I WOULD LIKE TO THANK EVERYONE WHO WROTE/SUPPLIED LISTINGS FOR MY LITTLE 'HIRES' ROBLEM - BRILLIANT !

ADRIAN WESTLEY (WEST SUSSEX)

ON "GRENDEL", AFTER I HAVE CULLECTED ALL THE KEYS AND WEAPONS, WHAT DO I DO NEXT? I HAVE TRIED GOING SOUTH EAST FROM THE START AND DOWNWARDS TOWARDS SOMETHING THAT MIGHT BE A DOOR , BUT CAN'T PASS IT - DAVID GEOGHEGAN (YORK)

DAVE,

ON "GRENDEL", HOW DO I GET THE PIECE OF KEY ON THE SCREEN WITH THE KING'S HEAD, A SUBMARINE TYPE CREATURE AND A NASTY CACTUS TYPE PLANT?
-PETER THORNBURN(EDGBASTON)

FROM THE EDITOR

DAVID, ON A RECENT VISIT FROM BLISTAIR WAY, HE SHOWED MY LAD MATTHEW THE WAY TO THE END. I DO HOPE THIS IS CORRECT AS MATTHEW IS A LITTLE FORGETFUL AT TIMES.

FROM FIRST SCREEN, DROP DOWN THE LADDER AND MOVE RIGHT PAST "GRENDEL" ARROWS. DROP DOWN A LADDER IN THE CENTRE OF THE NEXT SCREEN AND YOU WILL SEE AT THE RIGHT HAND FOOT OF THE SCREEN SOME MORE ARROWS POINTING TO THE RIGHT AND A RED DOOR. YOU SHOULD HAVE 3 KEYS AND 4 OF THE 5 WEAPONS BEFORE TRYING THIS. FIRE AT THE DOOR, NOT WITH WEAPONS BUT WITH KEYS.EVENTUALLY THE DOOR WILL BLOW UP. WALK THROUGH THE DOOR, SHOOT SOME BADDIES AND GET THE FIFTH WEAPON WHICH IS THE ONE THAT WILL KILL GRENDEL.

PETER.

IF IT IS THE SCREEN THAT I THINK YOU MEAN, THEN I AM AFRAID I AND YOUNG MOTHER ARE JOLLY WELL STUCK TO. THE SCREEN I REFER TO IS PRINTED ON THE BACK COVER. EVEN BY HAVING 99 LIVES AND BEING BULLET PROOF, THE KEY SEEMS IMPOSSIBLE TO GET. ALISTAIR - HELP!!!!

THANKS FOR ANOTHER SPARKLING ISSUE OF O.U.M. I MUST HOWEVER TAKE ISSUE WITH YOU ON YOUR COMMENTS IN THE EDITORIAL ABOUT MY FATHER ROB KIMBERLEY SNr. DAD WAS ONE OF THUSE VERY EARLY 'ORICERS' AS THEY USED TO CALL THEMSELVES IN THOSE LONG DISTANT TIMES. HE STILL HAS HIS ORIGINAL MODEL, BUT GETS COMPLAINTS FROM THE NURSING STAFF BECAUSE OF THE SMOKE FROM IT'S BOILER! DAD ALSO CONTRIBUTED TO THE OLD 'TUG' MAGAZINE AS WELL AS THE RATHER PATHETIC GLOSSY 'SON OF TUG' AND WROTE PITHY AND SOME MIGHT SAY WITTY ARTICLES UNDER HIS PEN NAME OF 'KIMBO'.

I HOPE YOU DON'T MIND PRINTING THIS BUT I FEEL IT IS MY DUTY TO CORRECT THE FACTS FOR YOUR MORE IMPRESSIONABLE READERS!

- ROM KIMERLEY JNR. - LEHMINGTON SPA

ROB;

WE ALL BELIEVE YOU MATE. BY THE WAY PETER BRAGG ASKS IF HE CAN HAVE HIS WALKING STICK BACK, NOW THAT YOU HAVE GOT ONE OF THOSE 'STANNAH' LIFTS TO GET YOU UP THE STAIRS.

DAVE

HAVE YOU ANY EXPERIENCE WITH THE 65SC802 INSTEAD OF THE 6502 IN AM ORICY I WOULD LIKE TO TRY IT OUT ONE DAY, WHEN I HAVE THE TIME. - HANS KRAUS (VIENNA)

HANS, MY SPIES INFORM THAT THIS HAS BEEN TRIED AND DID NOT WORK DUE TO THE DIFFERENT SPEEDS. I HOPE THAT ANYONE WITH ANY INFO ON THE SUBJECT WILL CONTACT ME SO THAT I CAN GIVE YOU MORE INFORMATION.



A SHORT LISTING FROM RUM KIMBERLEY IN BASIC WHICH TESTS ANY SELECTED REF OF MEMORY AND IF IT FINDS A FAULT WILL LOG THE INCIDENT. ROB SAYS THAT HE IS SURE IT COULD BE MODIFIED TO PROVIDE MORE INFORMATION, BUT IT RUNS RELATIVELY SLOWLY HAYWAY AND SO HE KEPT IT SIMPLE.

60 INPUT"Start address of test Please ';A

80 PRINT PRINT

90 INPUT" End address of test Please "/8

110 PRINT: PRINT: PRINT

120 PRINT"PROGRAM RUNNING - Please Wait..."

130 IF #KDEEKC#9C)THEN A =DEEKC#9C)

140 FOR I=ATOB:PLOT15,12,HEX\$(1)

150 C=PEEK(I)

160 POKET, 0: IFPEEK(I) <> OTHENGOSUB760

170 POKEI,85:IFPEEK(I)<>85THENGOSUB760

200 POKEL/C

210 NEXTI:PRINT:PRINT:PRINT:PRINT

220 PRINT:PRINT"TEST COMPLETED"

230 PRINT"There were: "/E/" errors."

240 END

760 E+E+1:PRINT I:RETURN

THE NEXT SET OF FROGRAMS WERE ONE'S THAT I FOUND IN OLD COMPUTER MAGS.
- THE EDITOR

WHEN "CLOADING" IN A FILE ON AN ORIC 1 IT'S NAME IS NOT DISPLAYED. THIS PROGRAM, WHICH OCCUPIES WELL UNDER 1K, PROVIDES A WAY OF DISPLAYING THE NAME OF A FILE AND CAN BE 'NEWED' AFTER RUNNING.

TYPE IN THE BASIC PROGRAM/RUN AND 'NEW' AND THEN TYPE: CALL #400

```
10 P=#400 20 READ A$:IFA$="END"THEN END
30 C=VAL("#"+A$):POKEP,C 40 P=P+1:GOTO20
```

50 DATA78,A2,0D,8E,29,02,A2,04,8E,2A,02,58,60,48,8A,48,98,4**8,A2**,80 6**0** DATA 86,00,A2,8B,86,01,A2,48,86,02,A2,00,86,03,A0,0F,B1,02,91,00

70 DATA 88,00,F9,68,68,68,HA,68,40,03,EC,"END"

THE FOLLOWING MACHINE CODE PROGRAM REPLACES ALL PRINTS IN A BASIC PROGRAM WITH LPrints AND VICE VERSA. IT WAS WRITTEN FOR AN ORIC 1 BUT SHOULD WORK ON THE ATMOS/PERHAPS MY RELOCATING THE CODE.

TO GET THE MACHINE CODE GOING: CHLL 38800. IF YOU THEN LIST YOUR BASIC PROGRAM YOU WILL SEE THAT ALL THE PRINTS HAVE BEEN CHANGED TO LPRINT. ANOTHER CALL WILL CHANGE THEM BACK. THE SWITCH IS LOCATED IN (#)0,AND OTHER VALUES THEN #8A HERE WILL MAKE THE PROGRAM CONVERT PRINTS TO LPRINTS.

```
10 FORN=38800T038888
```

20 READUTH\$

30 DTH=VALC"#"+DTH#)

40 ER=ER+DTA 50 POKEN, DTA 60 NEXT

70 IFER<>10322THENPRINT"DATA ERROR":STOP 80 PRINT"DATA OK.." 90 PRINT:PRINT"PRESS A KEY TO CSAVE" 95 GETA\$:CSAVE"P-LP",A38800.E38888

100 DATHA0,FF,A9,00,85,01,A9,04,85

110 DATA02,A5,00,C9,BA,D0,07,AA,A9

120 DATASF,85,00,00,06,A9,8A,85,00 140 DATAE6,02,81,01,U9,00,00,09,E6 130 DATAA2,8F,A9,00,85,03,C8,D0,02 150 DATA03,A9,03,C5,03,D0,ED,60,85

160 DATH04,A5,03,C9,00,F0,11,C8,D0 180 DATH90,F3,B1,01,B0,02,A5,04,C5 170 DATA02,E6,02,E6,03,A5,03,C9,05 190 DATA00,D0,C9,8A,91,01,D0,C4

RAMBLING IN THE ROM - 27

Sniff! I've been emasculated by the Ed this month - something to do with last month's cover getting lost on the M25 or something, so in penance I'm down to one page. As a result you're all to be deprived of that most stimulating soap, The Saga. If you can hold your breath, though, I'm promised it's only a one month ban.

So only one page to fill, and as usual we start with the new P.D. CPD-68 TELEFILE 8k 40p

An address book with file-save facility.

CPD-69 3D 0X0 7k 35p

An excellent implementation, four-tier noughts and crosses against the computer, and with a nice touch of humour CPD-70 YAHTZE 9k 45p

The good old dice game, another excellent implementation.

CPD-71 CRIBBAGE 24k 50p

And to complete a trio of game simulations, a super version of cribbage, all the faclities you'd expect.

CPD-72 TIPTOE 27k 50p

An unusual program this. It's a proper touch-typing tutor, with practical hands-on exercises, graded from beginner to expert. It gives you a progress score, explains correct fingering, and is generally quite superb!

Ramblings...

I was recently contemplating nothing in particular when my eye lit upon my old software list. This was a document I faithfully updated whenever I acquired a new piece of software, and was very comprehensive, particularly after my French forays in 1988/89. Add in the top-up when FGC folded, and the list contains over 600 titles! Now, the list predates my obtaining a disc drive, so many of the titles I still have only on cassette. What I should have, so the thoughts ran, was the list on disc - not just the list, piece of software in alphabetical order, available when needed. (Who would need Oric Flight?!!) So that's the latest project, putting each program on 3 " discs in order. It seems that I'll get about 15 programs onto a disc, which I make 40 discs...But it will be a virtually complete library of Oric software. As I ramble through, I may produce some odd jottings about the more obscure or interesting items I come across...like 3D Munch, Pacman with lozenge-shaped pills and real monsters, a rather good Loriciels 1984 offering. About 40% of the software is French, much of it of superior quality to a lot of the English stuff.

Club Europe Oric

Which leads rather neatly into CEOSOFT 4, the latest disc of software from the Club. A Flight Simulator, a strategy game called Mr. President, and a graphics adventure, Robinson Crusoe. I'll leave Dave to review them, but note that you can also get Flight Simulator and Mr. President (only) together on cassette. Prices (including p&p) are CEOsoft disc £8.99 to members, £10.99 to others; Flight and Mr. P. on cassette £4.99 to members, £6.99 to others. Orders to 3, Madingley Road, Cambridge CB3 OEE. Which means I've run out of....

l am often asked what the benefits are in upgrading from an ORIC 1 to ATMOS and what benefits there are in a drive. Each upgrade brings an it's own benefit and these far outweigh the Problems which may arise. To delve deeply into the subject would take many Pages of text and therefore I will cover it as an overall view and refer you to other literature where deemed neccessary. I apologise if I bore the Pants or in some cases,knickers off some readers,but we now have a new breed of ORIC users who were handed down their machines from bi9 brother or realised that the ORIC is an inexpensive way into computing. They have also realised that you can get ten ORIC titles for the Price of one on an HMARI or ATIGA or whatever the new wave of machines are called.

ORIC 1 (VI.0 Rom)

The story starts in 1979 with the setting up of TANGERINE, who produced the MICROTAN 65 computer. From these early beginnings came the ORIC 1 (48K model),which was launched in January 1983 and was Pitched in direct competition to the SPECTRUM. The URIC 1 had it's bugs and rather to go into detail: I will let you wait until the next issue in which Alan will deal with the Rom differences.

Eventually a 16k ORIC 1 appeared. Funily enough, it displayed 15102 bytes free whereas the 48k Proudly announced that it had 48k free - even though it didn't. When the ATMOS appeared; the actual bytes free were displayed. Whereas the 48K ORIC I could be easily updated to an ATMOS version Rom (excePt those with 2 chiPs instead of one); the 16K couldn't readily be adapted as theboard was different e.g. different ULA and less Drams.

ATMOS (VI.1 Rom)

In the spring of '84 the ATMOS hit the shops. Smart appearance/better keyboard, bu9s removed, bu9s left in, new commands.

You now knew what file was loading,however without the infamous '*' Program off the Welcome Tapelyou were left with the spurious Errors found' message. A blatant error was this. They knew the 'flag' had not been set correctly, but it seems that instead of investing in new Roms, they found it more economical to let PeoPle sort it out for themselves. This little bu9 has since Put many PeoPle off from uP9radin9.

Some of the original Oric 1 tapes wouldn't run on the HTMOS. Software houses had to alter Programs to allow for the new CHLLS and to allow for the amended PLUT routine. Sometimes by a Rom PEEK to see which machine bein9 used and other times by havin9 URIC 1 version on one side and 見まる ATMOS on the other. In the days of a fast buck inferior duplicating techniques were used. Often only a 'slow' loading would work and of course PeoPle were tweaking Hzimuths all over the Place and forgetting to reset them to where other taPes would load.In the end even Tansoft changed to a different outlet which resulted in inferior Packaging as well as inferior takes. The best quality was always from the likes of IJK, who as well as not cutting costs, also offered some all-time classics in the form of ZORGON, XENON 1, XENON 3, PLAYGROUND 21, DAMSEL, CHESS 2, and DRHUGHTS.

ORIC INTERNATIONAL did in fact rectify the Problem With the loading but did not put these new Roms into machines until they had exhausted stocks of the original ones. Even these new Roms had by9s instilled - soft reset will not always function correctly.

To know which version Rom that you have type in the following and Press RETURN. - ?PEEK(#E486)

If you get 142, then you have the new version. The old version returns 162. SUMMARY

I am of the opinion that we should all 90 forward together. Not Perhaps with the same keyboard/but Please with the V1.1 Rom. The oPtion to ORIC 1 owners are vast - buy a second-hand HTMOS. 9et a new one from Steve Hopps for 35 Pound, buy a VI.1 rom, Welcome take and manual from Alan or myself, or indeed have the best of bothe worlds by having a switchable Rom. In this instance 9et David Wilkin to do it or ask him for the diagram.

HAVING RECIEVED A LETTER FROM GEORGE POPLE ON THE AVAILABILITY OF PACKET RADIO WITH THE ORIC; I DECIDED TO FIND OUT WHAT I COULD ON THE SUBJECT. I SPOKE TO A FRIEND OF MINE, NAMELY LES CROPLEY, WHO IS A RADIO ENTHUSIAST. AFTER SEARCHING THROUGH HIS LOFT HE FOUND AN ARTICLE WITHOUT TOO MUCH JARGON FROM WHICH I HAVE EXTRACTED THE MORE SALIENT POINTS.

PACKET RADIO ALLOWS ONE TO COMMUNICATE WITH ANOTHER STATION USING INFORMATION ENCODED INTO A DIGITAL FORMAT. THIS IS SIMILAR TO 'RITY' AND 'AMTOR', BUT THE DATA RATES ARE HIGHER AND MORE IS ON OFFER. RECIEVED DATA CAN BE CHECKED FOR ERRORS AND IF ONE OCCURS, A RETRANSMISSION IS REQUESTED. THE CHARACTERS TO BE SENT ARE PUT INTO A DIGITAL CODE USING 'ASCII' AND 'ASSEMBLED' READY FOR TRANSMISSION, i.e THE CHARACTERS ARE SENT IN GROUPS UR PACKETS AND NOT SINGULARLY AS IN RITY. THIS ALLOWS TRANSMISSION OF BOTH READILY REHD TEXT AND COMPUTER PROGRAMS. THE DIGITAL INFORMATION (0's and 1's) IS CODED INTO TWO AUDIO TONE FREQUENCIES IN A MODEM AND THEN PASSED ON FOR TRANSMISSION. SEE FIGURE 1.

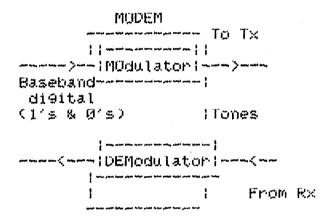
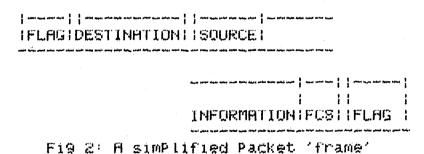


Fig 1: The Modem converts digital information into audio for the TX and audio into digital fot the RX.

WITH VOICE, YOU MERELY PICK UP THE MICROPHONE AND CALL THE OTHER STATION USING THE CALLSIGNS ALLOCATED BY THE LICENSING AUTHORITY. THESE CALLSIGNS ARE RECOGNISED AURALLY. WITH PACKET, ON THE OTHER HAND, THE CALLSIGNS ARE EMBEDDED INTO THE DIGITAL DATA AND SENT ALONG WITH THE INFORMATION AND ERROR CHECKING ARRANGEMENTS. THIS COLLECTION OF DIGITAL DATA IS REFERRED TO AS A 'FRAME', AND A SIMPLE FORMAT IS SHOWN IN FIGURE 2.



FLAG DESTINATION SOURCE REPEA - 3

FIG 3: PACKET 'Frame' SHOWING REPEATER INFORMATION.

INCLUSION OF SOURCE % DESTINATION CALLSIGNS IS NECESSARY SO THAT THE RECEIVING EQUIPMENT CAN RECOGNISE MESSAGES ADDRESSED TO IT AMONGST ALL CAN THEART ON THE RHOTO CHANNEL AND SO IT KNOWS WHICH OTHER MESSHGES IT STATION TO RESPOND TO. THIS DIFFERS TO A TELEPHONE LINE WHERE THE SENDER & ARE CONNECTED BY A SINGLE DEDICATED COMMUNICATION SIGNIFY BEGINNING AND END OF THE FRAME, WHILST THE FRAME CHECK 'FLAGS' - FCS - FACILITATES THE ERROR CHECKING. ON RECOGNISING AN INCOMING SEQUENCE PACKET, COMMUNICATIONS CAN TAKE PLACE BETWEEN STATIONS. AS THE SIGNAL IS 'ADDRESSED' IT IS COMMONPLACE FOR MORE THAN ONE COMMUNICATION LINK TO THE SAME FREQUENCY, THOUGH 'COLLISIONS' OF PACKETS CAN CORRUPT CO-EXIST ON EACH OTHER.

RADIO YOU CAN ALSO REPEAT OR RELAY A MESSAGE. INTERMEDIATE WITH PACKET CAN BE USED TO PASS A MESSAGE TO A REMOTE STATION THAT CANNOT COMMUNICATE DIRECTLY WITH THE ORIGINATOR. TO DO THIS/THE PACKET ORIGINATOR MUST KNOW WHICH AMATEUR STATIONS ARE AVAILABLE TO BE USED IN THIS WAY, AND THEIR CALLSIGNS (UP TO 8 OF THEM) FIRE THEN INCLUDED INTO THE PACKET FORMAT. THE FORMAT OF THE PACKET THEN BECOMES AS SHOWN IN FIGURE 3 ON PREVIOUS PAGE.

REQUIRED, GATEWAYS, THE EQUIPMENT MILL LOOK AT NEXT ISSUE WE THE IN MAILBOXES AND OPERATING. THE MONTHLY MAGAZINE CALLED 'RADIO THERE; TRY FICKING UP FOR BUFFS OUT COMMUNICATION'. OF HOW TO GAIN A U.K. TRANSMITTING LICENCE CAN BE OBTAINED FROM

DETHILS THE 'RADIO SOCIETY OF GREAT BRITAIN'. THE ADDRESS IS:

> R.S.G.B LAMEDA HOUSE CRANBORNE ROHD POTTERS BAR HERTS, EN6 3JE

TEL: 0707 49855

CROPLEY, WHO WILL THIK TO HNYBODY, IS 'GODFC' OF LE5 THE CALLSIGN

FOR SALE

PLUG MONITOR (NO WAVY LINES), WITH CHBLE TO LARGE BLACK AND WHITE DIRECTLY INTO THE RGB SOCKET. PRICE IS 20 Pounds + DELIVERY. IS FREE WITHIN 20 MILES OF THE MI, SOUTH OF JUNCTION 23 OR IF DELIVERY PICKED UP AT THE ORIC MEET IN HYLESBURY IN JULY.

CONTACT DAVID UTTING, 47 GAINSBOROUGH ROAD, LEICESTER. LEZ 3DG OR PHONE 0533 705076 (WEEKENDS ONLY)

THE ONE STOP ELECTRONIC SHOP

OOPS!

I MISSED OFF A '9' IN THEIR PHONE LAST ISSUE. TRY RINGING 0427 614999

AUTO STOP ROUTINE

QOPS AGAIN!

WELL SPOTTED BY PETER THORNBURN et all.

I MISSED A BIT OF DATA IN THE 3 LINER IN THE LAST ISSUE.

TRY THE FOLLOWING LINE 20

20 DATA#48,#A9,#00,#80,#AD,#02,#68,#40,#22,#EE

10

To get a better insight into the differences try getting a book. The offes by Philips, Wheywell, Hicks and Lupton/Robinson are all reccommended. For more in - depth detail of the Oric's history then send 2 pounds to Jon Haworth for 'ORIC- The Story So Far'.

NEXT ISSUE - a look at the jumple that was/is disc drives. Let's get together and all get onto SEDORIC. Even original Cumana drivers can now get Sedoric running - see Alan's article in this issue.

> Dave Dick

SHORTS>>>>SHURT SHORTS>>>>SHORT SHORTS>>>>> SHORT party's Spart, party among delicer -----... have then prior parts forth down

MANTED

PHUTOCOPIES FROM THE "ELECTRONICS and COMPUTING" magazines. Apple some bases parties apple forces Please write to: Francisco Areias, 12 Rue Breesch, 1020 Brussels, BELGIUM.

teres de la compación de la co

PHILIPS 8833 more described to the state agent described to the second party.

With regard to the query in the February issue of O.U.M. Peter Bragg writes to say that he has used both the Philips 8833 and 8533 and that both worke very well with the Atmos. He uses a BBC 'B' lead and made uP 2 adaptors, one each for the Atmos and Archimedes.

MANTED

Preferably alive rather than dead.

David Uttin9 is on the look-out for an ORIC 1 - 16K version in 900d condition. He would Prefer the original Packaging.

Write to him at 47 GAINSBOROUGH ROAD, LEICESTER LEZ 3DG or 9ive him a buzz at weekends on 0533 705076

x som a scaso a comencaca som a comencaca de comencaca a comencaca de comencaca de comencaca de comencaca de c

QBED,CHARED,SHI,ED,etc

The release date of Jonathan Bristow's character/object editors has been delayed by a few weeks. Hs we 9o to Press,I have Just recieved a game which will be sent out with the 2 utilities. I have spent so demomuch time Playing the game, that I haven't enough time to sort out the utilities for release.

Jonathan has also sent me a simple to use Word Processor with RX80 (EPSON compatible) Print facility. No frills this one - Just 6 commands. Oh yes! Almost for9ot/he has sent in another musical editor - busy lad!!

FOOTBALL POOLS

The POOLS program as mentioned in the last issue has been given an update by John Hurley and therefore release is delayed.

LIFT WANTED LIFT WANTED LIFT WHNTED LIFT MANTED

JUDY SIMMS IS ON THE LOOK-OUT FOR THUMBING A LIFT TO THE AYLESBURY MEETING IN JULY. COME ON GUYS AND GALS/DO THE OLD EDITOR H BIG FAVOUR AND GET OUR JUDY DOWN. ONE WORD OF ADVICE THOUGH, IF YOU HAVE A CAR PHONE, THEN LEAVE IT AT HOME.

JUDY'S ADDRESS IS IN THE LAST ISSUE.

FRACTAL OBJECTS ON UTEM BY WOLFTAM LUTHER.

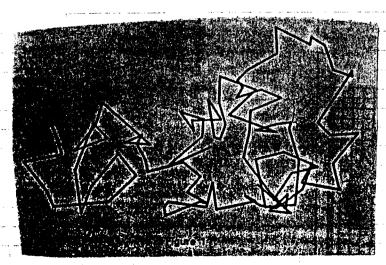
Fractals? Never heard of them? Well, let's look at the dictionary and we'll find something like this: "FRACTAL: an object with examination. The fractal dimension is a number which is used to specify the degree of fragmentation..."

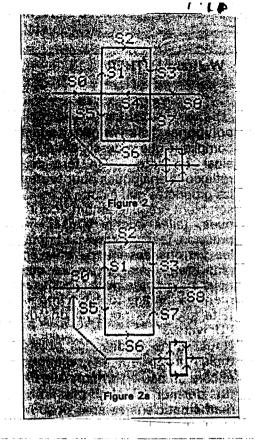
Put do you find these objects in nature, can you create them on the screen, or do they only matter to incongruous mathematical imaginations?

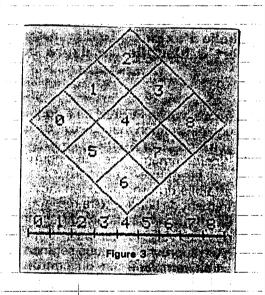
You have of course heard of the famous

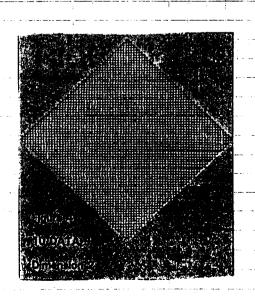
Brownian movement which shows up in a clear space. Here is an example of it (see Fig. 1 for the path of a particle).

The great french scientist Jean PERRIN give a meticulous description of it in his book "ATOMS (1912)": "By the way a diagram like this ... only gives a very faint idea of the tremendous tangle of the true path. In fact if points are plotted at time intervals a hundred times closer together, each segment will be replaced by a polygonal length relatively as complicated as the entire outline, and so on ... All properties which, on our scale, appear regularly continuous such as space, pressure and temperature, can be thought of in the same way. And we will see them get more and more proportionately Irregular as we increase the magnification of the ever imperfect image we make for ou**rselv**es of the Universe."









We'll study less irregular objects.

and alse yo back rather earlier. At
the end of the last century, several
mathematicians set themselves the
study problem of whether a continuous
rule for an interval on a surface
could be found, or in other words, if
a curve exists which would completely
fill a rectangle.

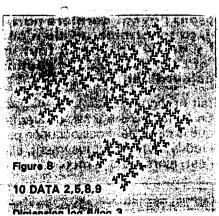
At first, it seemed impossible that a curve, normally thought of as one dimensional, could fill (possibly to a stated level) a shape thought of as two dimensional. Nevertheless, there is such a thing and we'll give an example on our computer screen. We have based it on the work of G. Peano (1898) revised and altered by F.M. Dekking (1980).

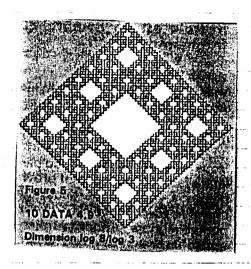
Of course you realise that only an approximate idea of a fractal (F) can be given because of the limited definition of the HIRES screen.

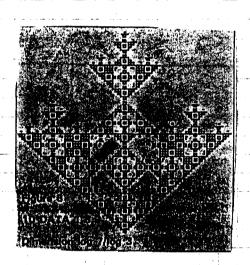
Even then, the relative error in our design will be about 1% which is not bad. We'll start by drawing a first approximation F1 (see Fig. 2) which is made up of nine segments (S0 to S8).

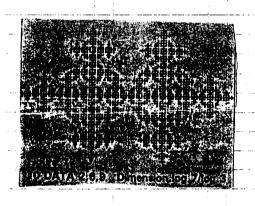
Next, we replace each segment with the same F1 pattern but three times smaller. F2. then comprises 81 segments and is three times longer than F1. Imagine repeating the process till you end up with a surface completely filled by curve F of infinite length,

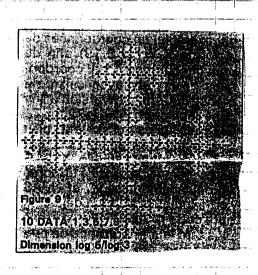
We stop at approximation F4; as early as F5 every pixel in the square will be set [see Fig.4]. At each scale, a segment -> square correspondence can be established as in Fig.3; in mathematical terms this means that each Aumber in form:











corres conds to a descending series of **nested** squares, forming the point on curve **F**.

So how do you get two dimensions?
Right, we'll explain. The segments SØ,
S4 and S8 are in line, the other
segments are used to fill the area, So
at each stage in the design nine
segments contribute to filling in the
square, against only three for the ine.
18 the Batwhere the second dimension
comes from 9 = 3^2 (=3*3),

This reasoning gives us a method to make fractals with a dimension between I and 2: by accepting the regular omission of one or more segments SX during our construction (see Fig. 2a, SX = .S4).

Once M segments are left out of the **nine**, we have (9-M) segments giving a partially filled area. But:

9-M = 3^ (log(9-M)/log 3)

and the fractal dimension D of the object under consideration will be: $D = log(9-M) \times log 3$.

Now we'll give the program to put fractals on the screen with some sample patterns (see Fig. 4-9). You have to enter in line 10 the number of **Segments** to be left out, eg, 4, and a 9 to end. For speed we have put the sub-routines first, so enter RUN 10.

A final note: if the subject interests you, look at the two books by B. MANDELBROI on Fractals.

FRENCH TO ENGLISH TRANSLATION
BY NORMA WRANGHAM.

CUTTING, PASTING + MCP TYPING BY

JOY SITHS.

, $a(i) \in [0, 1, ..., 8]$ i=1 91i BUT WHICH THE ABOVE (N.B. FORMULA MENTIN THE NUMBER FOOT OF AT THE THE PAGE PREVIOUS Programme FRACTALS 0 H=E:V=0:RETURN 1 H=0:Y=-E:RETURN 2 H=-E:V=Ø:RETURN 3 H=0:V=E:RETURN 5 REM START RUN 10; DESSIN F4 10 DATA 4,9 REM NUMEROS DES SEGMENTS NQUANTS, 9 POUR TERMINER 15 FORI=0TO8:FOKEI,9:NEXT 20 HIRES: DOKE#306, #FFFF 30 READ D: IFD=9 THEN 40 ELSEPOKED, D: GL 030. 35 REM MATRICE DES DIRECTIONS DU SEGME T X APRES ROTATION DE 1*PI/2 40 FOR X=0 TO 8 STEP2 50 FOR I=0 TO 3:A(I,X)=I:NEXT:NEXT 60 FOR X=1 TO 7 STEP6 65 A(0,X)= 1:A(1,X)=2 :A(2,X)=3:A(3,X) 0:NEXT 70 FOR X=3 TO5 STEP2 75 A(0,X)= 3:A(1,X)= 0:A(2,X)= 1:A(3,X =2:NEXT 80 A(0,4)= 2:A(1,4)= 3:A(2,4)= 0:A(3,4 100 CURSET40,100,3 110 E3=54:E2=18:E1=6:E0=2:E=0:REM ECHE LE 120 FOR Z3≃0 TO 8 130 U3=A(0,Z3) 140 IF Z3 = PEEK(Z3)THEN E =E3:GOSUBUS CURMOVH, V, 3: NEXT: GOTO300 160 FOR Z2=0 TO 8 170 U2=A(U3,Z2) = PEEK(Z2) THEN E =E2:GOSUBU 180 IFZ2 : CURMOVH, V, 3: NEXT: NEXT 200 FOR Z1=0 TO 8 210 U1=A(U2,Z1) 220 IF Z1 = PEEK(Z1)THEN E =E1:GOSUBUL CURMOVH, V, 3: NEXT: NEXT: NEXT 240 FOR Z0=0 TO 8

250 U=A(U1,Z0):E=E0

280 NEXT:NEXT:NEXT:NEXT 300 DOKE#306,10000:END

270 IF Z0 = PEEK(Z0)THENCURMOVH, V, 3ELS

260 GOSUBU

DRAW H, Y, 1

Peter N. Bragg

The Story so far

You might need part 3 of the series to make sense of this paragraph, try crossing the Editor's palm with silver, to obtain a copy, should you need one. If you managed to follow what happened in the routine listed last month, you will not be surprised to find that if you were to insert two extra instructions STA BBAB and STA BFDF into the routine, after the instruction 101A, you will then get an additional "+" at the start and at the end of the screen display. In fact if you were to extend the routine to include a similar STA instruction for every screen address (see P.238 Atmos Manual), the routine would fill the entire screen with crosses.

Don't bother to try that last bit. Such a routine would work, but it would use about 6K of RAM space, which would be a bit silly and there are better ways to achieve the same effect. The main reason for routine that we did use, was to show how the Accumulator works, using a few instructions (LDA and STA etc.).

However, if we really did want to produce a screen filled with crosses or a similar operation, without going "bananas" in the process, it would be far better to use a few simple instructions (instead of about 2000), which would allow the computer to decide for itself where to start and stop that operation. This brings us to the third register, which is the STATUS Register.

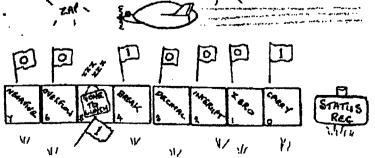
The Status Register

------------------- The Status Register is the microprocessor's decision making unit. Without it, the Oric would be little more than a glorified recording machine. Did you really zap that flying saucer? The answer to that and many other questions will come from the Status Register.

The microprocessor watches the operation of each program instruction and reports on it, in the Status Register. The result appears as a row of "flags", each of which will say "Yes"(True) or "No"(Not true) to some aspect of the operation of the instruction just processed. The row of so-called "flags" are the reason why the Status Register is often called the "Flag Register". It is a bit like the electronic equivalent of a row of judges at a sports event.

The Flag Bits are eight individual binary digits (numbers), but of course they really appear as a single hex byte. Each digit is set to either "1" for YES or "0" for NO, depending on the most recent instruction executed. Although the Status Register provides eight of these Flag Bits only seven of them are ever used, Flag Bit 5 is ignored.

The seven Flags can be used to modify or change the effect of some instructions just before they are actually used. They can make in effect a decision on what those instructions will do, based on a result of another operation, just



For many instructions and a lot of the programming, you can simply ignore the Flags. However there are times when you will find them very useful.

One example. There are instructions which make a jump (a Branch) to an address in another part of memory only if a certain Flag Bit is set to "1", but not if the Flag is set at "0". So any operation that affects a Status Flag Bit can be used to control whether your program continues with the routine it is working on. or jumps to a new routine elsewhere in the program.

This could be used where you might want to test for a particular key press. If the correct key is pressed, the appropriate Flag in the Status Register can be made to show that. A simple instruction can then use the Flag to make your program branch off to a specific routine that would deal with that key press.

However, if the required key was not pressed, the Status Register will not "Flag" it and the program will be diverted away from that specific routine.

Another example. You might want to add up some very large numbers, a game score perhaps, or bank account (I should be that lucky !). The microprocessor allows a similar method of adding numbers, to that used by people. No it does not take its shoes and socks off !! Only politicians and financial planners, do that.

The Accumulator can only hold a single byte, so large numbers are broken down into single bytes and dealt with one by one. Anything left over after each addittion (or subtraction) instruction, is "carried" by the Status Register's Carry Flag, just as we make a small mark when adding up columns of figures.

It may seem a slow way to add a lot of numbers, but remember this is machine code that we are talking about and a calculation in telephone number sizes can be dealt with at the speed of phttt !!

Hang out the Flags

I should perhaps warn you at this stage, that the "N" is sometimes referred to as (S)Sign and the Status Register itself, is sometimes referred to as "P" Reg. Truly, Murphy is alive and well and is writing computer manuals !! I prefer to stick with terms that are widely used and are the most descriptive.

One good thing is that while the Flags are binary numbers, we can use the Flags without having to mess around with binary code. There are specific instructions for each Flag that make using them quite simple. From personal experience the "C", "Z" and "N" Flags appear to be most useful and probably the easiest to use.

If you have managed to take on board all that has been written so far, in particular the last two installments on the Program Counter, Accumulator and Status Register you may be encouraged to know that you now have the main essentials needed to understand how machine code works. There are three more registers, which are not much different from what we have already seen, that offer useful extra facilities. It's a bit like starting out in photography with an expensive camera, we may not know what all the knobs are for, but we now should be able to make a few snapshots, to help us get to the next stage.

Still awake I hope ??.....Next time a few instructions for scrambled Oric !!

ORIC ENTHUSIASTS

(OUM Issue 46)

INTRODUCTION

This month sees the start on my sections on file handling, Geoff Phillips' book, new Projects and my questionnaire results.

The project this month is a look at what is involved in replacing the EPROM in the CUMANA disc interface for the MICRODISC type which allows SEDORIC DOS to be booted up. I have received some correspondence on this in the past and since the topic has appeared in OUM I thought that the inclusion of the instructions may be of benefit to any of you considering the change. The task does not require any soldering or special skills, just care and attention. See what you think.

DISC ACCESS

To start my section on file handling using disc drives I will list the types of file handling that I will be dealing with. These are Sequential Access, Unsorted Sequential Access, Sorted Sequential Access, Random (or Direct) Access, Index Sequential Files, Linked Lists and Scattered Storage.

If you are familiar with these terms then you have something to look forward to. If not, then hopefully this series will be of great interest to you. The reference that I will be using is DISC BASIC published by Sigma Press. This is not so readily available now but my articles should cover the topic adequately.

PRICE LIST UPDATE

I have sold out of the following :- ORIC Cassette Lead (5-pin DIN to 2*3.5mm and 1*2.5mm jack sockets.

I can now add the following items :- SHAREWARE -- E-FILE (See Shareware section).

PROGRAMMING TECHNIQUES

As I said in issue 43, Geoff Phillips kindly gave me permission to serialise his book entitled "ORIC ATMOS and ORIC 1 Graphics and Machine Code Techniques". So straight-away let me explain that all text in these articles are the copyright of Geoff Phillips. Where I add any supporting text, I will clearly identify it as such and it will be under ORIC Enthusiasts copyright. In view of the fine articles being written by Peter Bragg, I expect a few people to be interested in this series.

This month I will make a start on the contents which should give you some advance notice of what is likely to appear. In fact, if you see something that is of particular interest then write to me and I'll try and fit it in sooner. Some of Geoff's book duplicates information given in the Advanced User Guide (AUG), so where this occurs I will refer to the AUG to save typing effort. So if you have not bought a copy of the excellent book by Lester Whewell, now is the time to purchase one. A real bargain at £4.00 inclusive of package. End of advertisement. Now onto the series.

ORIC ATMOS and ORIC 1 GRAPHICS & MACHINE CODE TECHNIQUES Geoff Phillips

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1.1 Introduction - 1.2 The ROM - 1.3 Use of RAM - 1.4 Differences between machines - 1.5 The microprocessor, 6502 - 1.6 The 6522, VIA - 1.7 The 8912 sound chip - 1.8 Text screen - 1.9 High-resolution mode - 1.10 Keyboard - 1.11 Printer interface - 1.12 Cassette system

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Chapter 9 Stretching the ORIC to its limits

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Next month - the Preface and Chapter 1.

PROJECTS

FITTING A REPLACEMENT EPROM IN THE CUMANA DISC INTERFACE UNIT

<u>Step</u> <u>Instructions</u>

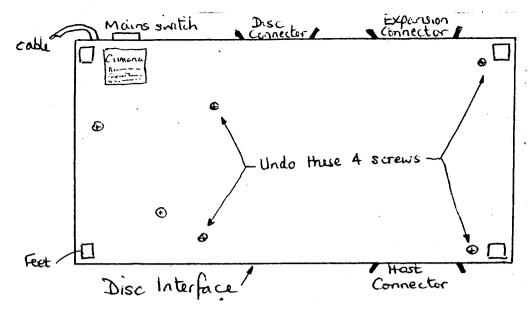
- 1 Disconnect the Cumana Disc Interface from the mains and computer equipment.
- 2 Turn the interface upside down and undo the screws indicated in the diagram below.

1 28

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חחחחחחחחחח

EPROM



- 3 Carefully lift the bottom and rotate towards you taking care not to strain or stretch the wires leading to the transformer. This will reveal the printed circuit board (PCB).
- 4 Undo the 4 hexagonal studs securing the PCB to the upper part of the case. Carefully lift the PCB off its supporting pillars and pull its reset switch away from its hole in the side of the case. Slowly turn the PCB over towards you to reveal the components on it.
- 5 You will now be able to locate the EPROM which is situated next to the large 4700uF capacitor (which may be purple in colour). The EPROM has 28 pins and is fitted in a socket. Note the small indent at one end of the device (see diagram opposite). This is the guide for the correct orientation and the replacement chip must be positioned in the socket in exactly the same way.
- 6 Now prise the Cumana EPROM out of its socket taking care not to bend its pins. It may be appropriate to use 2 small screwdrivers to lever up the device.
- 7 Fit the replacement EPROM, in the correct orientation, (do not remove the paper cover on this device as it will destroy the program contained within the chip).
 - 8 Refit the PCB and case bottom in the reverse order to the procedures given in 2, 3 and 4 above.
- 9 Re-connect the disc drive system and switch on. You will notice that the 'Insert system disc' message is slightly different and that the interface does not recognise CUMANA.DOS.
- Insert your disc containing either CUMANA SUPER2 DOS (filename SUPER2.DOS), ORIC DOS (filename SYSTEM.DOS), RANDOS (no filename) or SEDORIC DOS (no filename). If necessary, press the reset button to boot up the DOS.

Hopefully these instructions will enable you to fit the replacement EPROM successfully and join the fraternity of SEDORIC users. If assistance is needed then contact me at the usual address.

QUESTIONNAIRE RESULTS

I know that Dave has been publishing his results from his questionnaire but I've been promising to publish the results from the questionnaire sheet that I sent out in 1989/1990 for some time now so I would like to make a start.

I sent out over 500 forms (and could still send more) and received 209 back. Analysis of these 209 provides some interesting reading and indications about ORIC users.

Dealing with questions 1, 4 and 6 as a group. These were :-

Q1 Do you still own an ORIC computer?

Q4 Are you interested in receiving futher mailshots or news of ORIC support?

Q6 If you no longer wish to compute with your ORIC computer do you wish to sell it?

The answers received are as follows :-

Q1 208 out of 209 still have an ORIC computer.

BRIAN COOTE no longer owns an ORIC but he replied with a very kind letter wishing us all well in using our ORICs, expressing his fond memories of ORIC BASIC. Brian now uses an Amstrad 1640 SD.

Q4 191 out of 208 are still interested in hearing news of the ORIC scene.

So, as you will realise their is are still sufficient numbers of ORIC users to keep ORIC Enthusiasts and hopefully OUM busy for some time to come.

Q6 Of the 17 who still owned an ORIC but no longer used it, only 8 wanted to sell their equipment.

Some typical comments I received from people who didn't want to sell are as follows :-

PATRICK NEILL - "I'm keeping my ORIC because it was my first micro." - Patrick now uses an Atari 1040ST and a Sharp PC1402 pocket computer.

OLOV TJERNGREN - "It's not working properly, I'm keeping it for nostalgia." - Olov now uses an Atari 1040STFM.

IAN WALKER - "I'm still quite attached to it." - Ian now uses an Amstrad PPC512.

JESPER JENSEN (author of MAZE RALLY) got quite aroused in his answer to Q6. He replied "I couldn't sell my OLD but dear friend!" - Jesper now has an Atari 1040ST but is still interested in hearing about the ORIC.

I now know that 2 users who returned questionnaires have since sold their equipment so that means there are 189 ORIC users still active. In fact, it's likely to be more than this since Dave, Jon and myself are finding new users all the time. So for the rest of the results of my questionnaire I shall be using 189 users as the total of active ORIC users.

In the next issue, I will explore deeper into my replies.

SHAREWARE

ACCOUNT BOOK/ORIC CALC

I have received the manual and disc of ACCOUNT BOOK c/w ORIC CALC from Pete Weisner and Dave Dick. I'm just sorting out the manual for reproducuction so next month I give details of its availability.

E-FILE

E-FILE, the utility program, used in MEGABASE, written by Geoff Phillips is now available. It runs under ORIC DOS and I think CUMANA DOS but I will check that out for next issue.

Initial purchase price is 50p and it is £2.00 to register and receive the manual.

SEDORIC DOS

The number of registered users now stands at 20. Are you registered?

For those that are, I have now converted HELL'S TEMPLE to run under SEDORIC DOS V1.007 using its file handling routines. Whereas HELL'S TEMPLE is normally priced at £2.00, for registered users of SEDORIC DOS it is available for £1.50. So if you haven't seen this graphic adventure them send off for a copy. There are only 15 copies left in stock, so hurry.

Written by and copyright of : Allan Whitaker, 1991.

____REVIEWS.,...REVIEWS..,..REVIEWS..,...REVIEWS.,....REVIEWS.,....REVIEWS.....

TITLE: CEOSOFT 4 PRICE: SEE PAGE 6 /BUT NOTE THAT 3.5" and 5.25"
DISCS ARE 1 POUND CHEAPER.

PLEMSE ALSO NOTE THAT MEMBERS PRICES ARE TO MEMBERS OF THE 'CEO' AND NOT TO 'OUM' MEMBERS.

MHAT IS CEOSOFIA ? THE DISC VERSION CONTAINS THE 3 TITLES REVIEWED BELOW, BUT THE CASSEITE VERSION DOES NOT INCLUDE 'ROBINSON CRUSOE'

FLIGHT SIMULATOR

As I taxied along the runway, there was that noise from the Past. Oh dear! Is it URIC FLIGHT; that oft abused Program from 1983 or was it 1883? The resemblance ends here. As the intro states: "This flight simulator provides a true perspective view of objects on the ground from a light aircraft equipped with all neccessary onboard controls and equipment."

Hs I increased revs., I gazed into the blue and green horizon Whilst keeping one eye on the control display Panel, which shows airspeed, course, altitude, vertical speed, angle of turn, elapsed time, fuel level and engine revs.

Fuel was low, but enough for a take-off. Hs I ascended, I switched to radar and then back to view mode which allowed me to look left, right and astern. Using the 'INTERROGHTUR' allows one to modify Position, windforce, course etc.

There are 13 keys used and some of those are used with differing effect whilst in another mode. Luckily, a key-board lay-out is supplied. Also of great value is the fact that the on-screen 'Fresentation' can be dumped to Printer (4 \times 84 Pages of 40 column width).

As we ROBINSON CRUSOE, the Program itself as well as the instructions have been Painstakingly translated into the Mother Tongue (No not Welsh - Brian), by Monsiuer J. Haworth.

On my second attempt, I tried to find the fuel dump, but to no avail even though J.H insists that it is easy. I came across many matchsticks, cops!

I of course mean wire frame drawings in true Perspective. It should be noted that the data which represents the terrain is contained in an independent file and that this 'terrain creation Program' is in Preparation.

This is obviously 90in9 to be the best fli9ht simulator that you will see for the ORIC and is a must for your collection. A lot of effort has been put into this. You will need a lot of time to sit down and master this. As for me, I'll stick to 3D FONGUS.

I almost forgot to mention - watch out for the trees, balloons, archways, slalom course and Pyramids. Have you ever skied in Egypt??

Mr. PRESIDENT

you have all got one of those strategy type games in the vein of DALLAS, AIRLINE, LEAGUE CHAMPIONS or ICE HOCKEY MANAGER if you happen to be Scandinavian. By the way; I still haven't sold a single copy of 'NHL ICE HOCKEY MANAGER'. Surely all the swear words haven't put you off? Mow that all new readers know about the swearing; it will probably sell like hot-cakes.

Hnyway, back to Mr. President. You take the role of the Fresident of the U.S. A and make decisions on fiscal Policy and foreign affairs. When the FORD MOTOR CO. is going to the wall - don't give them any money. Let unemployment rise. Cut social security. Increase arms expenditure. Stop spending on minority groups. Revalue the dolar and give aid to the RUSSIANS. Do all of this and Congress will give you their seal of approval (if they don't; then just make them vote again and watch all the red 'pawms' change to green. The only ones who won't be happy are the Russians. They aren't happy no matter what you do. With this dictatorial attitude I lasted 8 months.

On my second attempt; I imediately got stuck into IRAN and was forced to resign. A must for the BUSH babies as opposed to the REAGAN's among you.

ROBINSON CRUSOE

This graphical adventure was previewed by Pete Weisner some time ago in O.U.M and therefore I will not go into too much detail. A 'shimmering' musical intro explains your task. Basic coloured Pictures, not too many locations, but some novel features. And don't forget that you only get this with the disc version.

SUMMING UP

Summed up in 2 words - A BARGHIN.

CONTACT LIST

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SOME MORE NAMES AND INFO. GET LOGETHER AND MAKE IT HAPPEN!

HREH 4

Mr.J BENTHAM, 4 WYTHBURN CLOSE, LOUGHBOROUGH, LEICS. LEII 3SZ (ATMOS/CASSETTE)....FRANK BOLTON, 35 MARKET PLHCE, MOUNTSORREL, LOUGHBOROUGH, LEICS. LEIZ 78A (ATMOS/3" DRIVE ~ EDUCATIONAL PURPOSES AND LANGUAGES)...
KEN DUDDLE, 3 HOBART ST, LEICESTER LEZ ØJS (ATMOS, CASSETTE — TYPE ~
INS, ADVENTURES, LEARNING MACHINE CODE).....Mr.G LESTER, 41 ST. HELENS DRIVE, LEICESTER LE4 ØG5 (ATMOS, CASSETTE — BOARD GAMES, UTILITIES)......
DAVID UTTING, 47 GAINSBOROUGH RD, LEICESTER LEZ 3DG (ATMOS/3" DRIVE, MODEM)

HREA 5

AREA 6

AREA 7

AREA 8

PAUL FARNESSE, 5 SOUTHCHURCH HALL CLOSE, SOUTHEND, ESSEX SSI ZTE (ATMUS, CHSS.)....NORMA WRANGHAM, 'ALLWAYS', STATION RD, SIBLE HEDINGHAM, HALSTEAD, ESSEX CO9 3WD (ATMOS, 3" DRIVE)....STUART WRIGHT, 65 CHELMSFORD RD, CLACTON, FSSEX CO15 5DU(ATMOS, 671E DRIVE)3", 3.5", 5.25"DRIVES, MODEM).....

AIMI-REVIEWS

SOME INFO ON LESSER KNOWN TITLES FOR NEWER READERS. ALL PRICES AS PER THE LIST THAT YOU SHOULD ALL HAVE.

"KRYSTAL WORLDS" - massive 'QUILLED' adventure from Robert Cook.
"Excellent" - A Way...."Very Good; if this is what can be achieved
Please send me the QUILL - P Thornburn

"THE QUILL" - easy way to write text adventures - includes well documented manuaul.

"CHESS MADNESS" - Norwegian fun. Control your 'knight' in chess moves around the board; eat the Pills; avoid the black holes and don't get destroyed by the 'Pawns' & 'bishops' etc. Price reduced to 4 Pounds.

"EUCCANEER" - 9raphic adventure>>>sail your 15th century ship from Flymouth Harbour without keep on bumping into the quay like I do.

"bELLS TEMPLE" - a dungeons & dragons game in the vein of TYRANN. Move through the maze and defeat the numerous monsters.

"DAMSEL IN DISTRESS" - super background music for a super Platform game. Oozes quality. You need to be good to complet it (the first level that is)

MAXIT

If you like a good board gameget hooked on MAXIT from the PD

ULTIMA ZOME - infinite lives - Wind the tape Past the '*' and 'B' files:
Load in your auto-stop routine and then the main file.
When loaded, type - POKE 10704, 173: POKE 14841, 173: CALL 1536

MAZE RALLY - infinite lives - Wind tape Past '*' 'screen' files. Load aut@ -stoP and load in main Program.(Note in stead of an auto-stoP routing, POKE#500,1:CLOAD"" will suffice). When Program has loaded just type: POKE 7784,200:CALL 2693:CALL 5856

If you just want 6 lives then replace the above Poke with: POKE5093/12

VIEW TO A KILL - tip: To make the dynamite explode; you must drop the dynamite and then use the lighter. The dynamite can only be used for blasting away the walls.

ICE GIANT - to 9et sour old ORIC 1 version to run on the ATMOS - DOKE#19AD, #C5E8: POKE#F00, #4C: CSAVE"ICE", A#F00, E#8800, AUTO

BIG RAFFLE

LATE NEWS>>>>>> with regard to Rob Kimberley's suggestion for a grand draw at the AYLESBURY meet as mentioned on Page 3.

ROB has kindly donated a 3" DRIVE. These are excellent drives. I bought one for my lad at the last meet. Tickets are one Pound each. If you want a ticket and can't make it to the meet; send your quid to ROB (address in last issue), by JULY 5th. Brill Kimbo - well done mate.

WELL JUST ONE LEFT.... AU REWOIR... WHAT WILL I BRING BACK FROM PARIS!!!!