



**USER
MONTHLY**

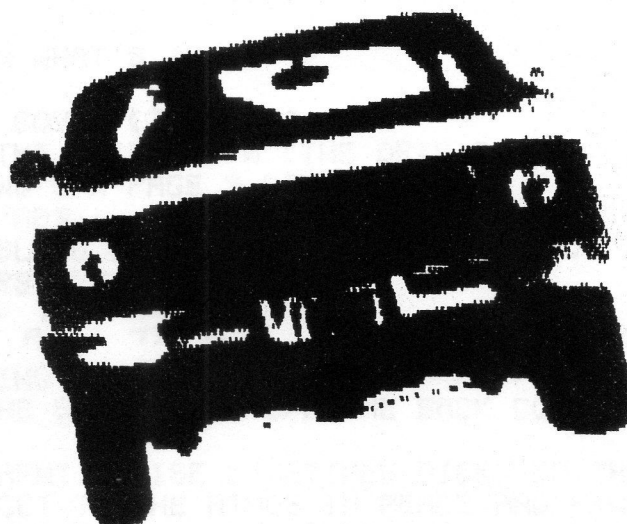
28/6/90

Number 35

July 1990

The new editor

arrives . . .



Edited and Distributed by Dave Dick, 65 Barnard Close, Aylesbury, Bucks HP21 9PW

HELLO,

AND WELCOME TO THIS MY FIRST EDITION OF O.U.M.
IT IS A HUGE TASK TAKING OVER FROM ROBERT AND I MUST CONGRATULATE HIM ON THE WONDERFUL JOB HE HAS DONE OVER THE PAST 3 YEARS. BEST WISHES TO ROBERT IN HIS NEW VENTURE.

NOW FOR A LITTLE ABOUT MYSELF. MARRIED WITH 4 CHILDREN/I BECAME INTERESTED IN COMPUTERS IN THE EARLY 80'S VIA BURROUGHS, DATA GENERAL, IBM & HONEYWELL MACHINES AT WORK. IN 1984 I BOUGHT MY FIRST ATMOS AND NOW RUN THE FOLLOWING: 4 ATMOS'S, 1 ORIC 1.3" DRIVE C/W ORICDOS, SEDORIC & RANDOS, PANASONIC COLOR MONITOR, BIT 24 PRINTER, MCP40 PLOTTER, SEIKOSHA GP-500A PRINTER AND HUNDREDS OF GAMES ON CASSETTE/DISK. NOW FOR EVER ONWARD AND INTO THE NINETIES.

THIS ISSUE THE PRINTING IN SOME CASES WILL BE DIFFERENT TO IN THE PAST AS A LOT WILL COME STRAIGHT OFF THE PRINTER AND NOT PHOTOCOPIED. IF YOU DON'T LIKE THE PRINT OR ANYTHING ELSE IN O.U.M, PLEASE LET ME KNOW.

WITH THIS ISSUE YOU WILL FIND SOME PICTURES WHICH WERE DOWN-LOADED FROM "LORIGRAPH" - THAT MARVELLOUS DRAWING AID FROM FRANCE. CERTAIN NEWSPAPERS HAVE BIRDS WITH BOOBS ON PAGE 3, BUT TO PRESERVE DECENCY, I'VE PUT OUR DOLLY BIRD ON THE BACK OF PAGE 3. THANKS TO ROBERT FOR THE DRAWING - SAM FOX WILL BE FLATTERED.

ON THE BACK COVER IS A LIKENESS OF YOUR NEW EDITOR. THE NORWEGIANS WILL PROBABLY USE IT TO THROW DARTS AT.

FOLLOWING UP ON ROBERT'S ARTICLES ON MUSIC, MY DAUGHTER LOUISE HAS WRITTEN THE LYRIC TO A SONG TITLED - "MY FATHER GOT AN ORIC" AND IT IS PRINTED ON THE BACK OF THIS PAGE. PERHAPS ROBERT WILL WRITE A TUNE TO IT AND WE CAN ALL SING ALONG!!.

NOW TO THIS ISSUE AN WHAT'S IN IT: -

PAGE 1 - FRONT COVER (TA JON)
PAGE 2 - MEET THE EDITOR C/W "THE ORIC SONG"
PAGE 3 - REVIEWS C/W PAGE 3 PIN - UP
PAGE 4 - NEWS /ADS.
PAGE 6/7 - RAMBLING IN THE ROM - JON HAWORTH.
PAGE 5 - READERS LETTERS
PAGE 8 - WELL I NEVER
PAGE 9 - NOT PAGE THREE
PAGE 10 - LISTING OF "FRACTALS"
PAGE 11/12 - THE BACK PAGES C/W THE BACK COVER.

MANY THANKS TO JON, ARNT, LOUISE & MATTHEW DICK, ED THE DUCK (WHILE HE IS ON THE T.V. I CAN GET TO THE ATMOS IN PEACE AND FINALLY TO MY WIFE ANN WHO STOPPED PLAYING 'TETRIS' FOR A COUPLE OF HOURS WHILST I PUT THIS ISSUE TOGETHER.

'ORIC USER MONTHLY'

CHEQUES, POSTAL ORDERS, MONEY ORDERS, NOTES, FAMOUS PRINTINGS ETC., BUT NO COINS PLEASE, PAYABLE TO D. DICK. *** PLEASE NOTE ADDRESS IS BARNARD CRESCENT AND NOT CLOSE AS SHOWN ON COVER *** (REPEAT AFTER ME "JON IS A PRATT").

ALL PRICES INCLUDE POSTAGE: 1 ISSUE IS A QUID, 5 ISSUES ARE A FIVER AND A YEAR'S SUBSCRIPTION IS ONLY 11 NOTES.

"MY FATHER HAS AN ORIC" - BY LOUISE DICK

MY FATHER HAS AN ORIC
HE GOT IT THROUGH THE POST
HE ALSO GOT A FREE GAME
AND SO HE STARTED TO BOAST

MY GAME'S BETTER THAN YOUR GAME
MY ORIC'S BETTER THAN YOURS
I'VE GOT MORE THAN YOU HAVE
SO I KEEP THEM IN MY DRAWERS

MY FATHER HAS AN ORIC
HE GOT IT THROUGH THE POST
HE ALSO GOT A FREE GAME
AND SO HE STARTED TO BOAST

I'VE NOW GOT A DISC-DRIVE
BUT IT'S BROKEN DOWN
I GOT A BOY TO FIX IT
HE'S CHEAPER THAN UP TOWN

MY FATHER HAS AN ORIC
HE GOT IT THROUGH THE POST
HE ALSO GOT A FREE GAME
AND SO HE STARTED TO BOAST

MY FATHER KNOWS A YOUNG MAN
HIS NAME IS ALISTAIR WAY
IT TAKES HIM A WEEK TO WRITE A GOOD GAME
AND A NAFF ONE ONLY A DAY

MY FATHER HAS AN ORIC
HE GOT IT THROUGH THE POST
HE ALSO GOT A FREE GAME
AND SO HE STARTED TO BOAST

I HAVE GOT A HIGH-SCORE
ON A GAME CALLED ULTIMA ZONE
MY FATHER THINKS IT'S SUCH A BORE
WHEN I PLAY IT HE LEAVES ME ALONE

MY FATHER HAS AN ORIC
HE GOT IT THROUGH THE POST
HE ALSO GOT A FREE GAME
AND SO HE STARTED TO BOAST

THATS THE END OF MY STORY
THERE ISN'T ANY MORE
IF YOU PLAY ME AT TETRIS
YOU'LL NEVER BEAT MY SCORE

THE REVIEW PAGE

GAME: GRENDEL AUTHOR: A.WAY OUTLET: MIRAGE SOFTWARE
 PRICES: CASSETTE FROM ROBERT COOK AT 3.99 OR DISC FROM D.DICK AT 6.30.
 *** SPECIAL OFFER *** DURING JULY AND AUGUST ONLY, THE DISC
 VERSION FOR 5.50 ONLY.

A WELL THOUGHT OUT INTRODUCTION SHEET COMES WITH THIS, THE LATEST EFFORT
 FROM ALISTAIR. THIS IS PURE 'COIN-OP'.
 IN A FIRST FOR THE ORIC, YOU CONTROL A FEMALE SO THAT SHE MAY BECOME THE
 HEROIN OF THE PIECE AND KILL THE WICKED 'GRENDEL'. MOVEMENT CONTROL IS
 EASY AND AFTER YOU HAVE DROPPED DOWN INTO THE UNDERWORLD, YOU FIND
 YOURSELF ON ONE OF THE MANY WELL DRAWN SCENARIOS. YOUR OPTIONS ARE TO GO
 LEFT BY JUMPING A REVOLVING DISK, DOWN & LEFT, RIGHT, OR DOWN & RIGHT.
 YOUR BEST OPTION IS TO GO RIGHT & PICK UP THE FIRST OF YOUR 4 WEAPONS.
 EACH WEAPON FIRES IN A DIFFERENT DIRECTION. ALONG YOUR ROUTE YOU MUST
 FIND PARTS, WHICH GO TO MAKE UP 3 KEYS, WHICH CAN BE USED TO HELP YOU ON
 YOUR WAY.
 THE ENEMY CONSISTS OF ALL MANNER OF WEIRDOS. YOU LOSE A LIFE BY BEING
 SHOT, BUMPING INTO THE ENEMY OR TOUCHING CACTII.
 IF YOU MANAGE TO COMPLETE THE GAME, YOU GET TO ENTER YOUR NAME IN THE HALL
 OF FAME. EVEN THE WORST EFFORT WILL PUT YOU ABOVE MY NAME.
 THE COLOUR/GRAPHICS ARE EXCELLENT AND THE GAME ITSELF IS BOTH FAST AND
 ADDICTIVE. TRULY AN EXCELLENT ARCADE GAME THAT WILL SAVE YOU COUNTLESS 20
 PENCES THAT YOU MIGHT NORMALLY PUMP INTO YOUR LOCAL PUB'S COIN-OP MACHINE.
 IF YOU WANT THE CHEAT MODE, YOU WILL HAVE TO BUY THE GAME AND AFTER A
 MONTH YOU CAN WRITE FOR DETAILS. BUT DON'T FORGET TO BEG!!

R A T I N G S

SOUND - 7 GRAPHICS - 8 ADDICTIVENESS - 10 OVERALL - 9

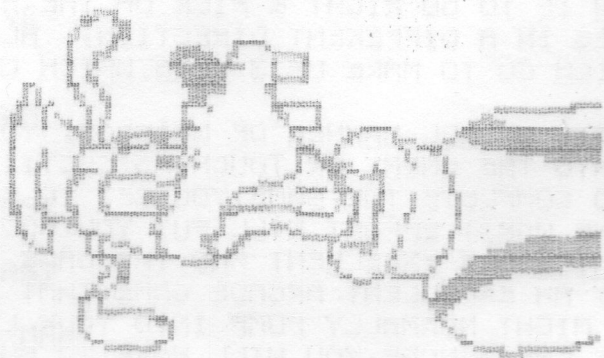
GAME: ROCK RUN AUTHOR: STAALE EIKEBRATEN PRICE: 55 NKR (ABOUT A
 FIVER)
 OUTLET: K.O.N SOFTWARE (A.ISAKSEN - NORWAY)

AFTER 'CHESS MADNESS' & 'O.N. PACK', IT IS THE TURN OF 'ROCK RUN' TO
 COME UNDER THE SCRUTINY OF YOURS TRULY.
 IN THIS 1987 GAME, WHICH IS WELL TRANSLATED INTO ENGLISH, YOU HAVE TO
 GUIDE UGLY 'ROCKOS' AROUND THE MAZE TO EAT ALL THE DIRT AND DIAMONDS. BY
 MOVING THE ROCKS WITHOUT THEM FALLING ON YOU. WHEN A ROCK MOVES IT DOES
 NOT ALWAYS DO WHAT YOU WOULD EXPECT. SO I GOT MY 8 YEAR OLD SON TO GUIDE
 ME PAST THE FIRST THREE ROCKS. SIMILAR TO 'GOLDMINE' IN IDEA, BUT IN THIS
 YOU MOVE FREELY BETWEEN DIFFERENT SCREENS. WITH YOUR SCORE AT ZERO, YOU
 HAVE TO EAT 299 PIECES OF EARTH & 96 DIAMONDS.
 THE MAZE SURROUND IS BLACK, THE MAZE IS PURPLE, WHILST YOU, EARTH, DIAMONDS &
 ROCKS ARE ALL DRAWN IN A WHITE OUTLINE. A CLASH OF COLOURS HERE.
 IN THE MAZE ARE FLASHING WHITE BLOCKS, WHICH WHEN TOUCHED TRANSPORT YOU TO
 ANOTHER PART OF THE MAZE. IF YOU ARE TRAPPED, YOU CAN PRESS 'ESC' AND GET
 3 CHANCES. OTHERWISE IT IS ONE LIFE AND YOU LOSE IT ON IMPACT WITH A ROCK.

I HAVE SO FAR MANAGED 711 POINTS, BUT COULDN'T PUT IT IN THE 'HI-SCORE
 TABLE' AS THERE WASN'T ONE.
 FAIRLY ADDICTIVE, BUT LACKING IN THE AREAS OF SOUND AND GRAPHICS.
 MANY THANKS TO ARNT AT 'KLUBB ORIC NORDEN' FOR THE REVIEW COPY.

R A T I N G S

SOUND: 4 GRAPHICS: 6 ADDICTIVENESS: 7 OVERALL: 6



SOME QUITE INTERESTING ITEMS APPEARING NOW ON THE ORIC SCENE/IN THE WAY OF SOFTWARE AND PERIPHERALS.

FROM NORWAY

I HAVE RECENTLY RECEIVED THE LATEST EFFORT FROM ARNT ERIK ISAKSEN. IT IS CALLED 'NHL ICE HOCKEY MANAGER' AND IS TO HOCKEY, WHAT 'THE BOSS' AND 'LEAGUE CHAMPIONS' ARE TO SOCCER. HOWEVER, THERE ARE AN EXTRAORDINARY NUMBER OF ADDED FEATURES, WHICH INCLUDE: PLAYERS CONTRACTS, BONUS PAYMENTS & WAGE RISES ETC. A FULL REVIEW IN NEXT ISSUE.

FROM GERMANY

TWO NEW PROGRAMS FROM ANDRE WIDHANI. FIRSTLY HIS VERSION OF 'TETRIS', NOW CALLED 'TETRIX'. A VERY COLOURFUL ADAPTATION WITH MANY INTERESTING FEATURES. CASSETTE USERS SHOULD KEEP THEIR FINGERS CROSSED THAT PERHAPS ANDRE WILL LET US MARKET IT, THEN ALL CASSETTE USERS CAN GET HOOKED ON THE GAME THAT ONLY DISC DRIVERS CAN PLAY AT PRESENT.

SECONDLY FROM ANDRE IS 'DISKSPY', WHICH IS A DISC MONITOR/EDITOR USEABLE WITH BOTH ORICDOS AND SEDORIC. FEATURES INCLUDE: SEARCH & EDIT HEX OR ASCII ON DISK, READ AND WRITE SECTORS, AND AUTO-ADJUST OF TRACK & SECTOR FORMAT.

I AM CURRENTLY TESTING WHILST ANDRE FINISHES DE-BUGGING IT. WHEN FINISHED, ANDRE HAS KINDLY OFFERED TO DONATE IT TO JON'S 'PUBLIC DOMAIN' LIBRARY.

BY THE WAY, BOTH TITLES ARE EXCELLENTLY TRANSLATED INTO ENGLISH. IT IS A PITY THAT WE BRITISH DON'T MAKE MORE OF AN EFFORT TO LEARN ANOTHER LANGUAGE.

"LYKKE TIL" TO ANDRE. THAT'S AN ENGLISHMAN SAYING GOOD LUCK TO A GERMAN IN NORWEGIAN.

FROM ENGLAND

DAVID WILKIN HAS BEEN WORKING ON 2 LITTLE ADD-ONS FOR DISC DRIVERS.

TWO OF OUR MAJOR PROBLEMS WERE a) OVER-HEATING & b) NOT BE ABLE TO LOAD CASSETTES WHILST THE DRIVE WAS IN PORT.

DAVID DID IN FACT COME UP WITH A COUPLE OF MODIFICATIONS TO ALLEVIATE THESE PROBLEMS, BUT THEY ENTAILED REMOVING AND ADDING PARTS, SOLDERING AND THE ABILITY TO UNDERSTAND PRINTED CIRCUIT DIAGRAMS.

NOW IT LOOKS AS THOUGH DAVID HAS SOLVED ALL VIA 2 LITTLE BOXES.

TO OVERCOME THE HEAT, A BOX OF TRICKS IS LOCATED BETWEEN THE DRIVE AND THE MAINS. THE CASSETTE PROBLEM IS SOLVED BY PLUGGING A BOX BETWEEN THE DRIVE INTERFACE AND THE ATMOS EXPANSION PORT.

I WILL TEST THESE ITEMS AT THE ORIC USER MEET (JUNE 23rd) AND GIVE FULLER DETAILS IN THE NEXT ISSUE.

FROM FRANCE

I'VE RECENTLY PURCHASED 'F83 FORTH' ON DISC FROM JON AT C. E.O FOR THE SUM OF £4.50 INCLUDING POSTAGE. THE INTRODUCTION SCREEN IS WELL PRESENTED AND COLOURFUL AND DETAILS A LIST OF BOTH FRENCH AND ENGLISH BOOKS TO SUPPLEMENT YOUR LEARNING ON THE SUBJECT OF FORTH. NOT ONLY IS THE DISC IN ENGLISH BUT SO IS THE EXCELLENT 26 PAGE MANUAL THAT COMES WITH IT. ONE OF THE BARGAIN'S OF THE DECADE.

WELL IT WAS CERTAINLY A TRULY INTERNATIONAL NEWS SCENE THIS MONTH, PROVING ONCE AGAIN HOW INTERNATIONAL THE ORIC IS.

READER'S LETTERS

A SPRINKLING OF LETTERS, TELEPHONE CONVERSATIONS AND CHIT-CHAT. IF YOU HAVE ANY HELP WITH THE TOPICS, PLEASE DROP ME A LINE AT O.U.M

QUESTION

DAVE, I HAVE AN ATMOS, 8 GRANDCHILDREN AND BREED CANARIES. I AM LOOKING FOR A PROGRAM TO STORE ALL THE INFO ON MY CANARIES. CAN YOU SUGGEST ONE?
ANSWER

WELL BOB, IT DEPENDS ON HOW MUCH INFO YOU NEED TO STORE. 'BASE PLUS' FROM 'MOBSYSTEMS' AND 'MEGABASE' FROM 'ORPHEUS' SHOULD SUIT. DROP ME DETAILS OF WHAT NEEDS TO BE STORED AND WHAT 'SORT' ROUTINES ARE REQUIRED.

COMMENT

CONGRATULATIONS ON BECOMING THE NEW EDITOR OF O.U.M. I HOPE WE CAN COLLABORATE IN THE FUTURE. --- VINCENT TALVAS (CLUB EUROPE ORIC),
REPLY

THANKS A LOT AND I AM SURE WE CAN HELP TO KEEP THE 'ORIC' NAME ALIVE AND I DO HOPE THAT YOU ARE EATING OUR BRITISH BEEF. NOW A LITTLE JOKE: WHAT IS THE DIFFERENCE BETWEEN AN ORIC DISC DRIVE AND 'MAD COW DISEASE' ----- IT IS EASIER TO GET 'MAD COW DISEASE'

QUESTION

DAVE, I WAS LUCKY ENOUGH TO PICK UP SOME 'ORIC' SOFTWARE AT HUDDERSFIELD MARKET RECENTLY FOR 30 PENCE EACH. OLD 'IJK' TITLES, PLUS 'ASTEROIDS', 'STOCKMARKET' AND THE MUCH SOUGHT AFTER 'PAINTER' FROM 'A & F'. IS 'PAINTER' NOT ATMOS COMPATIBLE --- MATTHEW (PRESTON)
ANSWER

ALTHOUGH 'PAINTER' WILL WORK ON THE ATMOS; IT DOES NOT SEEM TO REACT QUICKLY WHEN CERTAIN KEYS ARE DEFINED. ALTHOUGH THE OLD FAVOURITES LIKE 'Z' AND 'X' WORK WELL ON THE ORIC 1, IT IS BEST TO USE THE CURSOR KEYS ON THE ATMOS.

COMMENT

DAVE, I HAVE RECENTLY OPENED SOME CHAT LINES FOR 'ORIC' USERS. THEY ARE AS FOLLOWS:

"TALK PERIPHERALS TO ME" ON 0898 2600

"PLAY WITH MY RAMROM, JON" ON 0898 2610

"SOFTWARE AND HARDWARE FOR RENT" ON 0898 2620

"I'VE GOT A"

ANSWER

YES, WELL THANKS CINDY OF SOHO. DON'T CALL US WE WILL CALL YOU; BUT NOT AT 30 PENCE A MINUTE OFF PEAK.

COMMENT

DAVE, I LOVED (!) YOUR REVIEW OF "O.N. PACK". YOU HAVE AN EXCELLENT SENSE OF HUMOUR. ANYWAY IT IS NO LONGER FOR SALE. IT WILL BE GIVEN FREE WITH 'ROCK RUN' AND 'CHESS MADNESS'. --- ARNT (KLUBB ORIC NORDEN)
REPLY

IT PROVES THAT THE PEN IS MIGHTIER THAN THE SWORD. THUS AN ERROR IN MY FIRST O.U.M. ELSEWHERE ARE THE PRICES FOR K.O.M. SOFTWARE. '4 GAMES' NO LONGER SOLD SEPARATELY, BUT GET IT FREE WITH THE OTHER TITLES AND THEREFOR R E C O M M E N D E D.

RAMBLING IN THE ROM - 16What a CLOAD of...(Part 2)Format of a byte

We looked last month at the format of a bit in both fast and slow modes. The format of a byte (8 bits) is a classic one, and resembles that used in all serial data transmission. It is composed of START bit, followed by the 8 bits of the byte, an odd parity bit, and 3 STOP bits, which gives:

ST b0 b1 b2 b3 b4 b5 b6 b7 P SP SP SP

Or, for byte #AA for example:

0 0 1 0 1 0 1 0 1 1 1 1 1

so that, in all, it takes 13 bits for one byte. The byte is in reality 9 bits, the ninth (the odd parity bit) is a control bit, configured so that the nine bits always contain an odd number of ones. If an even parity bit had been chosen, the 9 bits would have contained an even number of ones. The parity bit is used in loading to detect errors.

The STOP bits, here three, allow the CPU to process the byte received or sent. The START bit, which is necessarily the inverse of the STOP bit, is used to detect the start of a new byte of data.

Below is the theoretical diagram for the sending of 2 bytes, #60 and #13 for example. Note that the bits are represented by logical levels, although for the Oric they are represented by different frequencies - see the description of the format of a bit.

SS	Sbbbb	bb	b	SSS	S	bb	bb	b	bbb	---
..PP	T01234	56	7	PPPP	T	01	23	4	567P	STOP...
..11	0000000	11	0	1111	0	11	00	1	0000	11.....

Format of a saved program

The format is again classic: start (synchronisation), header (program information), and data (the program itself).

The synchronisation section enables the computer to synchronise with the data it is reading, something not always achieved at the first attempt. To mark the start of a header (9 bytes), a byte of value #24 is written. The header contains all the necessary program information. First is the program name, ending with a 0. If no name is given, it is reduced to a 0. The program is then stored, its length being determined by the header. No end indicator is needed. The program has the following format (AM is

the synchronisation byte (#16), I the header identifier, H0 to H8 the header bytes, Nx the name bytes, and Dx the data bytes):

259xAM I H0 H1 H2 H3 H4 H5 H6 H7 H8 (N0...Nx) 00 D0 D1...

AM=#16 I=#24 EO is unused
 H1-H2 = Start address in memory
 H3-H4 = End address in memory
 H5 - #00 = Basic, #80 = Data block, #40 = Array
 H6 - Auto flag, auto if <>0
 H7 - String flag
 H8 - Integer flag (for V1.1 STORE/RECALL)
 H9 - Fast flag, fast <>0

That's probably enough technical stuff, but I hope it's helped to give some understanding of how a program is sent out to be stored on tape.

Poking in the library

Another four new programs this month, all utilities:

CPD-34	LABEL	3k	Print your own cassette box inserts
CPD-35	UNERASE	5k	At last! Recover that SEDORIC file that you accidentally deleted
CPD-36	SUPERLIST	2k	List BASIC programs to screen or printer with inset loops, one command per line, etc.
CPD-37	SCREENDUMP	1k	A fast HIRES screen dump to the Oric MCP-40 printer, choice of printout size, copes with attributes.

A full list and order form is available from me at the usual address: 3 Madingley Road, Cambridge CB3 0EE.

Envelope

As promised, John Haly has de-bugged 'Contact', the file program on the C.E.O. Journal discs and tapes. Members will get the new version from JEO 2.

Tail-ender

Learnt from Paul Kaufman, with whom I spent a fascinating evening recently - details of the first program ever written on the Oric! The programmers of the ROM, Andy Smith and Chris Shaw, finally reached the point where the prototype machine (a Tangerine Microtan with lots of bits and wires added) booted up successfully and sat there saying 'Ready'. Neither of them knew Basic, so the call went out for someone to type in a program. Paul responded, and the first program was typed in:

```
10 PRINT "LOUISE HAS LOVELY THIGHS";
20 GOTO 10
```

Louise (Barry Muncaster's secretary) was apparently not amused!!

Cheers

Jon Haworth

WELL I NEVER

==== = =====

WELL I NEVER - THIS IS THE PAGE TO FILL. I KNOW IT SAYS PAGE 8, BUT I HELD THIS PAGE BACK FOR THE LATEST NEWS ETC.

IT IS THURSDAY JUNE 21st; ENGLAND HAVE BEATEN THE EGYPTIANS; AND I AM GOING TO PUT THIS EDITION TO BED.

TOMORROW I MEET VINCENT TALVAS AND ALAIN WEBER FROM FRANCE, ON SATURDAY 'THE ORIC MEET' WITH 30 OTHER USERS. THEY INCLUDE 3 PEOPLE WHO RUN THE 'BYTE DRIVE 500' SYSTEM OF WHICH ONLY 26 WERE SOLD.

THANKS TO T. BROWN OF TILBURY, WHOSE LISTINGS FOR 'FILL' AND 'ERASE' WILL APPEAR NEXT ISSUE.

STILL ON THE SUBJECT OF ORIC PLOTTER PENS AND PAUL FARNESSE OF SOUTHEND HAS FOUND SUITABLE REPLACEMENTS FOR BOTH THE PENS AND THE PAPER. FURTHER ENQUIRIES ARE BEING MADE

FROM STAN ELLISON ARE 2 LISTINGS FOR THE NEXT ISSUE. FIRST ONE IS 'FRACTALS'. IT IS DIFFERENT TO THE ONE THAT APPEARS ON PAGE 10. ALSO A LISTING TITLED 'MODIFIED LISSAJOUS FIGURES'.

LENNART ARNTSSON OF: ENVAGEN 6C, S-756 52 UPPSALA, SWEDEN (TEL. +46-18 32 04 16) IS SELLING HIS ATMOS, 'ORIC OWNERS', 'THE ORIC'S', SOFTWARE ETC. ETC. FOR 80 BRITISH POUNDS. THERE ARE ALSO OTHER ITEMS. WRITE TO LENNART OR SEE FULL ADVERT IN NEXT ISSUE.

NEW RELEASE

=== =====

THOUGH IT WILL NOT BE MY GENERAL POLICY TO RELEASE SOFTWARE, I HAVE DECIDED THAT 'ESCAPE' FROM ALISTAIR WAY IS WORTH THE EFFORT. ORDERS TO ME: CASSETTE - £1.99 OR DISC ONLY £4.

=====

COMPETITION

=====

YES FOLKS, IT IS GIVEAWAY TIME. THE PROBLEM IS SIMPLE. ON THE LETTERS PAGE THERE IS ONE FAKE LETTER. TELL ME WHICH ONE IT IS BY JULY 20th AND YOUR NAME WILL GO INTO A LUCKY DRAW. THE WINNER WILL RECEIVE "ESCAPE" ON CASSETTE.

=====

U L A's ETC.

----- - ----

I AM HOPEFUL OF GETTING THOSE DIFFICULT TO GET ATMOS ITEMS SUCH AS ULA's.

ALSO 6502, 6522, JOYSTICK INTERFACES ETC. ETC.

THESE ITEMS WILL BE CHEAP!!

FULL DETAILS NEXT ISSUE.

HOT LINE

=== =====

AS WELL AS RINGING ROBERT, YOU ARE WELCOME TO CALL ME AFTER 6 P.M. ON 0296 26050.

=====

NOT PAGE THREE

New editors who slag of their staff writers can expect retribution. New editors who tell their staff writers they've slagged them off and then offer them an extra page in the current issue can expect even swifter retribution...

Well, I told Dave, I've had a comparative listing of V1.0 and V1.1 Pages 0 to 3 of memory ready to publish for a while, do you want to start that running? Yes, he said, what do you want to call it? How about 'Not Page Three'? Yes, the man said without turning a hair, sounds fine....

So here is the intro to what I hope will be a stimulating series...

Part 2 - editor permitting - will start the listing.

Jon Haworth

"FRACTALS"

=====

FROM WHAT I CAN ASCERTAIN "FRACTALS" ARE IRREGULAR FRACTIONS OR FRAGMENTS. THERE WAS A BOOK PUBLISHED IN FRANCE ON THE SUBJECT IN 1912. IT WAS TITLED "LES ATOMES" AND WAS ONE WRITTEN BY JEAN PERRIN. IF ANYONE WOULD LIKE MORE INFORMATION ON THE SUBJECT, PLEASE DROP ME A LINE AND I WILL SEE IF I CAN GET THE ARTICLE THAT GOES WITH THIS PROGRAM, BY WOLFRAM LUTHER, TRANSLATED INTO ENGLISH. THE PROGRAM RUNS ON THE 'HIRES' SCREEN AND WILL SURPRISE YOU WITH SOME OF IT'S PATTERN FORMATIONS.

LISTING

=====

```

0 H=E:V=0:RETURN
1 H=0:V=-E:RETURN
2 H=-E:V=0:RETURN
3 H=0:V=E:RETURN
5 REM START:RUN 10; DESIGN FIG.4
10 DATA4,9:REM NUMBER OF SEGMENTS,9 TO STOP
15 FOR I=0 TO 8:POKEI,9:NEXT
20 HIRES:DOKE#306,#####
30 READ D:IF D=9 THEN 40 ELSE POKED,D:GOTO30
35 REM MATRIX OF DIRECTIONS OF SEGMENT X WITH ROTATION OF I*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 STEP 6
65 A(0,X)=1:A(1,X)=2:A(2,X)=3:A(3,X)=0:NEXT
70 FOR X=3 TO 5 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)=1
100 CURSET40,100,3
110 E3=54:E2=18:E1=6:E0=2:E=0
120 FOR Z3=0 TO 8
130 U3=A(0,Z3)
140 IF Z3=PEEK(Z3)THEN E=E3:GOSUBU3:CURMOVH,V,3:NEXT:GOTO300
150 FOR Z2=0 TO 8
170 U2=A(U3,Z2)
180 IF Z2=PEEK(Z2)THEN E=E2:GOSUBU2:CURMOVH,V,3:NEXT:NEXT
200 FOR Z1=0 TO 8
210 U1=A(U2,Z1)
220 IF Z1=PEEK(Z1)THEN E=E1:GOSUBU1:CURMOVH,V,3:NEXT:NEXT:NEXT
240 FOR Z0=0 TO 8
250 U=A(U1,Z0):E=E0
260 GOSUBU
270 IF Z0=PEEK(Z0)THENCURMOVH,V,3ELSEDRAW H,V,1
280 NEXT:NEXT:NEXT:NEXT
300 DOKE#306,10000:END

```

TO RUN THE PROGRAM, TYPE - RUN 10

WHEN THE DRAWING HAS FINISHED,THE PROGRAM RETURNS TO THE 'READY' PROMPT, YOU MAY THEN EDIT LINE 10 TO INSERT YOUR OWN DATA AND AGAIN TYPE - 'RUN 10' TO RE-RUN THE PROGRAM.

THE SCREEN WILL CLEAR AND YOUR NEW PATTERN WILL EMERGE.

NOTE:

YOU MUST BE SURE THAT THE LAST DATA ENTRY IS ALWAYS 9 AS THIS STOPS THE PROGRAM WHEN FINISHED AND YOU WILL GET AN ERROR IN LINE 30 WITHOUT IT. EXAMPLES FOR AN AMENDED LINE 10: a) DATA1,3,9 b) DATA2,6,9

c) DATA2,5,8,9 d) DATA1,3,5,7,9 e) DATA 2,4,6,9

f) DATA 2,8,9 g) DATA3,3,9 h) DATA9

WELL HAVE FUN - DAVE D.

THE BACK PAGES

====

THE 'BACK PAGE', WHICH IS IN FACT 2 PAGES THIS ISSUE, WILL VARY IN CONTENT EVERY MONTH. THIS MONTH IT IS BASICALLY AN UPDATE ON WHAT IS AROUND FOR YOUR ORIC AS WE GO TO PRESS. I APOLOGISE IF YOU HAVE READ SOME OF IT BEFORE, BUT FOLLOWING MY LITTLE ARTICLE IN 'MICROMART', WE HAVE SOME NEW READERS OUT THERE WHO ARE CRYING OUT FOR GOODIES.

THIS EDITION

----- WILL IN FACT GO OUT EARLY AS IT IS AVAILABLE AT THE ORIC MEET ON JUNE 23rd; SO ANY OF YOUR ARTICLES NOT WITH ME BY JUNE 19th HAVE BEEN HELD OVER.

APOLOGIES

----- IN ADVANCE IF AUGUST ISSUE IS LATE ASI AM TAKING THE FAMILY ON HOLIDAY TO CORNWALL FROM JULY 21st TO AUGUST 5th AND THE WIFE WON'T LET ME TAKE MY ORIC EQUIPMENT WITH ME.
ANY READERS IN CORNWALL WANT TO BUY ME A PINT??

BACK ISSUES

----- OF O.U.M AVAILABLE FROM ME AT £1.00 EACH OR 6 FOR £5.00

O.U.M OVERSEAS SUBSCRIPTIONS

OVERSEAS/EUROPE: 5 ISSUES FOR £6 OR 12 ISSUES FOR £14
WORLD: 5 ISSUES FOR £6.50 OR 12 ISSUES FOR £15.50

AUGUST O.U.M

ORDERS FOR AND ITEMS FOR INCLUSION IN AUGUST O.U.M BY JULY 20th PLEASE. REMEMBER, THE MORE YOU CONTRIBUTE, THE LESS I HAVE TO WAFFLE ON, AND THUS THE BETTER THE QUALITY.

PUBLIC DOMAIN

=====

MANY NEW TITLES ADDED INCLUDING THE EXCELLENT 'UNERASE'. UPDATED LIST WITH THIS ISSUE.

MIRAGE SOFTWARE

=====

ALL CASSETTE ORDERS MADE PAYABLE TO R. COOK (MIRAGE) AT 10 THOMSON AVENUE, KINGS NORTON, BIRMINGHAM, B38 8YD.
ALL 3" OR 3.5" DISC ORDERS DIRECT TO ME AT O.U.M

TITLE	CASS. PRICE	DISC PRICE
-----	-----	-----
GRENDAL	£3.99	£5.50
INSECT INSANITY	£3.99 (INCL. £1 VOUCH. DETAILS SOON)	
CRICKET	£2.99	£5.00
GALACTOSMASH	£3.99	£5.00
GRAND PRIX	£3.99	£5.50
LEAGUE SOCCER	£2.99	NOT AVAILABLE
THE HAUNT	£1.99	NOT AVAILABLE

NOT SPECIAL CHEAPO PRICES ON DISC FOR JULY & AUGUST ONLY.
SPECIAL!! SPECIAL OFFER - 2 TITLES ON DISC FOR ONLY £8.50

THE BACK - BACK PAGE

+++ ++++ ++++ ++++

ALAN WHITAKER IS SELLING SOME INTERESTING NEW ITEMS AT H.G.C. THEY INCLUDE:

ORIC MODEM SYSTEM
GRAPHICS TABLET
ORIC MAUNS ADAPTORS

AMONGST THE SOFTWARE ARE SOME EXCELLENT ITEMS AT VERY REASONABLE PRICES. I CAN THOROUGHLY RECOMMEND: MULTIFILER, WORDWORTH, LAST WARRIOR, & STYX.

ALSO AT A CHEAP £4 IS THE ONLY BOOK WHICH I CAN GET FULLY INTERESTED IN AND WHICH ALISTAIR WILL REVIEW FOR US SOON. THE BOOK IS "THE ORIC ADVANCED USER GUIDE" by LEYCESTER MHEWELL.

DON'T FORGET WHEN ORDERING, PLEASE MAKE CHEQUES PAYABLE TO A.WHITAKER AND NOT H.G.C

KLUBB ORIC NORDEN

=====

K.O.N SOFTWARE IS AVAILABLE BY CASSETTE ONLY AT PRESENT AND YOU SHOULD SEND YOUR EUROCHEQUES OR INTERNATIONAL MONEY ORDERS TO:

KLUBB ORIC NORDEN
C/O ARNT ERIK ISAKSEN
SIGURDS GT 23
2000 LILLESTROM
NORWAY

NOTE FOR DISC DRIVERS

IF YOU BUY CASSETTE VERSIONS OF THE K.O.N SOFTWARE AND TRY TO RUN THEM ON ORICDOS, YOU WILL FIND THAT A COUPLE OF TITLES WILL NOT RUN. I USED 'CONVERT' TO GET TO 'SEDORIC' AND THEN RAN THEM ON A 'GAMEINIT' FORMAT DISC.

CURRENTLY

AVAILABLE FROM K.O.N ARE:

CHES MADNESS	- 55 NKR
ROCK RUN	- 55 NKR
O.N. PACK (4 GAMES)	- 45 NKR
ICE HOCKEY MANAGER	- 55 NKR (** NEW **)

EEEEEEEE

"THE SOFTWARE CELLAR"

JOHN IS HAVING A CLEAROUT AT THE 'CELLAR'. ALL TITLES £2 EACH AS PER ENCLOSED LIST. ADD POST AND PACKING OF 75P TOTAL FOR UP TO 5 TITLES. PRICES ALSO APPLY TO EUROPE.

IF YOU GET 'CRICKET', 'GALACTOSMASH', OR THE HAUNT' FROM THE 'CELLAR' AND HAVE LOADING DIFFICULTIES, PLEASE RETURN TO ME AS I DID THE DUPLICATING FOR THESE ON ROBERT'S BEHALF.

THE PRICE OF THE 'PROGRAMMABLE JOYSTICK INTERFACE' IS IN FACT £7 + 75P POST.

HE IS NOT SURE OF THE MAKE OF IT, BUT BY HIS DESCRIPTION, I THINK IT MIGHT BE THE 'PROTEK'. I HAVE THE 'PROTEK' AND IT WILL NOT WORK WITH SOFTWARE WHICH UTILISES THE 'CTRL', 'DEL', 'SHIFT' AND 'RETURN' KEYS.

+++++

COMING SOON: INTERVIEWS, TIPS, POKES, ARTICLES, LISTINGS, READERS LETTERS AND WHATEVER ELSE YOU SEND IN - POST IT OFF - NOW !!

