It's yours for the asking

WINNER OF COMPETITION ANNOUNCED INSIDE!

ASM

INSIDE:

TOP CLASS REVIEWS!

PRINT-OUTS

NEWS

SPECY AND TRUM!

B.H.S.
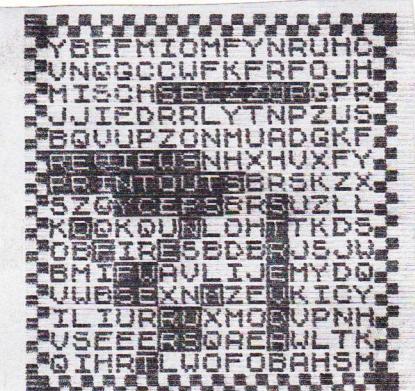
computer

magazine

WELCOME TO THE FEBRUARY EDITION OF THE A.S.M MAGAZINE.IN THIS ISSUE WE HAVE
THE REST OF THAT GREAT COMPETITION WHERE YOU CAN WIN A COMPUTER GAME,NEWS
ON THE NEW C5 THE NEW ELETRIC CAR FROM SINCLAIR,OFFERS AND SOME GREAT
PRINT-OUTS FOR YOUR SPECTRUM OR ZX81.WE ARE ALSO FEATURING SOME CORRECTIONS.
WE HOPE YOU LIKE THIS MONTHS COVER:WHY NOT DESIGN A COVER FOR US?YOU NEVER
KNOW,WE MIGHT PUBLISH IT!
WE WOULD LIKE TO THANK MR BROWN FOR THIS MONTHS COVER,

CORRECTIONS.

YES HERE IT IS AGAIN,THIS IS THE PLACE WHERE WE APOLOGIZE FOR THE MISTAKES
MADE IN THE LAST ISSUE.

FIRSTLY WE WOULD LIKE TO APOLOGIZE FOR THE FACT THAT WE SAID THAT THERE
WOULD BE SPECY AND TRUM IN THE LAST ISSUE WHEN IN FACT THERE WAS NOT BUT
DON'T WORRY, SPECY AND TRUM ARE BACK WITH US AGAIN IN THIS MONTHS ISSUE.
WE WOULD ALSO LIKE TO APOLOGIZE FOR THE WRITING IN THE LAST ISSUE UNFORTUNATLY
DUE TO A TECHNICAL ERROR THAT COULD NOT BE AVOIDED WE HAD NO CONTROL OVER
THE SITUATION.

LAST MONTHS SOLUTION: WORD SQUARE.

THIS MONTHS ONE:

```
XZVRON?KFZOM
VNOPQMRTZPMD
SPECTRUMEONB
EMORPBBCUROB
RLHATARILLVA
TOEZQOPQCCZZ
MAPCRLSTZFRY
RPNRTMPOMZSX
OMNDYRTCNOTW
ZPQVYMONMRUV
VPMNZOPNMRVU
```

SUBJECT COMPUTERS.

SPECTRUM.
BBC.
ELECTRON.
ORIC
VIC
ATARI.
QL.
TANDY.

SORRY....

WE APOLIGIZE THAT THIS MONTHS WORD SQUARE IS NOT THE SAME AS USUAL BUT DUE
TO A TECHNICAL ERROR THIS CANNOT BE AVOIDED.NORMAL WORD SQUARES WILL APPEAR
AGAIN AS SOON AS POSSIBLE.

OFFER.

WHY NOT GET OUR SPECIAL GOODIES BAG? IT'S JUST FULL OF PRINT-OUTS,POSTERS,
INFORMATION,ADVERTS,COMPEITIONS AND SUPRIZE PROGRAMS AND IT'S YOURS FOR
JUST 25p.

NEXT MONTH...

NEXT MONTH WE WILL BE ANNOUNCING THE WINNER OF OUR TWO GREAT COMPETITIONS
TO WIN A COMPUTER GAME.WE WILL ALSO HAVE MORE OFFERS,ADVERTS,SPECY AND TRUM,
REVIEWS,PRINT-OUTS AND NEWS.

GET YOUR OPINION HEARD.

WHY NOT WRITE TO US AND TELL US WHAT YOU THINK OF THE MAGAZINE.THEN WE CAN
CHANGE IT TO SUIT YOUR (THE PUBLICS) REQUIREMENTS.

NEWS PAGE.

THIS MONTH MOST OF THE NEWS PAGE WILL BE TAKEN UP BY THE NEW SINCLAIR C5
WHICH IF YOU HAVE NOT ALREADY SEEN IS AN ELECTRICAL CAR WHICH CAN BE POWERED
BY PEDALS.MANY ACCESSORIES ARE AVAILABLE AND UNLIKE WITH THE SPECTRUM MANY
VEHICLES HAVE BEEN PRODUCED SO THERE WILL BE NO QUEING UP FOR YOUR ONE.
ACCESSORIES INCLUDE: WING MIRRORS,BOOSTER PAD FOR SMALLER DRIVERS,SEAT
CUSHIONS,MUD FLAPS,INDICATORS,HORN,SIDE PANELS,TONNEAU COVER AND SPECIAL
CLOTHING TO KEEP YOU WARM AND DRY.

THE VEHICLE HAS A TURNING CIRCLE OF 5.8 METRES THE STEERING IS VERY PRECISE
AND THE BRAKING IS VERY RELIABLE.ALTHOUGH THE VEHICLE DOES LIE VERY LOW
ON THE ROAD IT IS POSSIBLE TO GET A MAST WHICH STICKS UP IN THE AIR AND
MAKES SURE YOU GET SEEN.THERE ARE ALSO BRIGHT YELLOW MARKINGS ON THE WHEELS
AND CHASSIS TO MAKE SURE YOU GET SEEN AT NIGHT.IT ALSO HAS LIGHTS ON THE
FRONT AND BACK.

IF YOUR WONDERING WHY NO-ONE HAS THOUGHT OF THIS BEFORE THEN IT'S BECAUSE
THE LAW ALLOWING THESE SUCH VEHICLES TO BE BUILT WAS ONLY PASSED IN 1983
AND THIS LAW MADE IT QUITE LEGAL TO TAKE THESE KINDS OF VEHICLES ON THE
ROAD WITHOUT A HELMET,LICENCE,INSURANCE AND WITHOUT PAYING TAX.

THE C5 HAS A BOOT AS WELL ALTHOUGH ONLY 1 CUBIC FOOT IT IS JUST RIGHT
FOR SHOPPING,SCHOOL BAGS AND BRIEF CASES.

THIS VEHICLE WILL ONLY COST YOU £428 INCLUDING £29 POSTAGE AND PACKING.
IF YOU WOULD LIKE AN ORDER FORM PLEASE CONTACT ALAN BROWN OR ANY OTHER
OF THE MANAGERS OF THIS MAGAZINE.......................................

THE BUSTIN' QUIZ.

THIS MONTHS ANAGRAMS: ON SOFTWARE COMPANIES.

1 TUITLAEM YLAP EHT EAGM......THE LIMIT.

2 IIINCAOSVT.................THIS ONE NEVER SLEEPS.

3 SAATFTRI...................TRAMIEL GUARDS THIS COMPANY.

4 GAYBBET....................A BITING INSECT.

5 EENORUMBL..................COMPUTER SHERLOCK LIVES HERE.

6 EWN EEINOATRGN OWTSFAER....NO 30YR OLD GAMES HERE.

7 NAOCE......................ATLANTIC.

8 IIVAQKCLUAS................A FAST METAL.

9 OSRE AOESRWFT..............THIS ONES NOT A PANSY.

10 VSWEAYKS..................ABOVE WATER WAVES.

11 SU DOLG...................I DID'NT KNOW JR DUG CARROTS!

12 XLEPI.....................A ZX81 HAS 63x43 A SPECTRUM HAS 256x192.

13 AIINEMG...................TO PICTURE ONESELF.

COMPUTER TERMS.

WHAT DOES EACH OF THE FOLLOWING MEAN OR DO?

A.ACCESS TIME B.ACCUMULATOR C.ALGOL D.ASYNCHRONOUS TRANSMISSION E.ROM

F.DATA G.DATEL H.EBCDIC CODE I.ELECTROTHERMAL PRINTER J.KILOBAND

K.MICROMINIATURISATION L.MEGABYTE M.MODEM N.PASCAL O.PSEUDOCODE P.RAM

Q.MINIDISKETTE

___

SLIP 3   ANAGRAM ANSWERS.

1_____ 2_____ 3_____ 4_____

5_____ 6_____ 7_____ 8_____

9_____ 10_____ 11_____ 12_____

13_____

___

WRITE THE ANSWERS TO THE COMPUTER TERMS ON A PIECE OF PAPER WITH YOUR NAME
AND ADDRESS AND LABEL IT 'SLIP 4' THEN HAND IN ALL YOUR SLIPS TO ALAN BROWN,
STEPHEN DOWSEY OR MARK ELLIOT.

___

TO FIND OUT HOW WELL YOU DID IN THE LAST QUIZ PLEASE ASK ANY ONE OF THE
PEOPLE NAMED ABOVE AND YOU WILL KNOW HOW WELL YOU MUST DO IN THIS ONE TO
WIN THE GREAT PRIZE OF A

COMPUTER TAPE WORTH £5

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THIS MONTH WE HAVE SOME MORE OF THE FUN FAIR PROGRAM FEATURED IN LAST MONTHS ISSUE.

THE REST OF THIS PROGRAM WILL BE FEATURED IN NEXT MONTHS ISSUE.

← DON'T MISS IT!

```
430 IF j=10 OR j=20 OR j=30 OR
j=40 THEN GO TO 500
435 IF j=50 THEN GO TO 600
440 GO TO 1100
499 REM *NEXT LEVEL*
500 PRINT AT d,i;" ";AT d+1,i;"
";AT d+2,i;" ";AT d+3,i;" ";AT
d+4,i;"  "
505 BEEP .5,0
510 LET i=i+3
515 FOR n=1 TO 20: PRINT AT n,i
-1;"█": BEEP .01,10+n: NEXT n
520 GO TO 1100
599 REM *CLOSING*
600 BEEP .5,0
610 FOR n=1 TO 3: FOR p=6 TO 1
STEP -1: BORDER p: BEEP .1,10+p:
BEEP .1,10-p: NEXT p: NEXT n
699 REM *NEW GAME*
700 PRINT ; INVERSE 1; FLASH 1;
AT 3,10;"ANOTHER GO SIR/MADAM?";
AT 6,14; INVERSE 0; FLASH 0;"PRE
SS ""ENTER"""
710 IF INKEY$=CHR$ 13 THEN GO T
O 730
720 GO TO 710
730 IF s>m THEN LET m=s: PRINT
AT 7,1;m
740 PRINT AT 12,1;"    "
750 FOR n=1 TO 20: PRINT AT n,1
2;" ";AT 6,n;" ";AT n,15;" ";AT
n,18;" ";AT n,21;"  ";AT n,30;"
": NEXT n
760 FOR n=10 TO 30: PRINT AT 3,
n;" ";AT 6,n;" ": NEXT n
770 GO TO 1000
999 REM *ASSIGNS VARIABLES*
1000 LET dd=1
1050 LET d=4
1060 LET s=0
1070 LET a=1
1080 LET i=10
1090 LET j=0
```

HERE'S THE NEXT PART OF THE DEATHDAY PROGRAM BUT REMEMBER IT'S NOT TOO ACCURATE!

```
190>BEEP 1,10
200 PRINT "Do you work in a coa
l mine?"
205 IF INKEY$="" THEN GO TO 205
210 IF INKEY$="y" THEN LET s=s-
10: IF INKEY$="y" THEN LET p=p+2
0
230 IF s<=0 THEN GO TO 5000
240 BEEP 1,10
250 PRINT "do you live in the c
ity?"
255 IF INKEY$="" THEN GO TO 255
260 IF INKEY$="y" THEN LET s=s-
5: IF INKEY$="y" THEN LET p=p+10
270 BEEP 1,10
280 IF s<=0 THEN GO TO 5000
290 PRINT "have you had any big
operations?"
300 IF INKEY$="" THEN GO TO 300
310 IF INKEY$="y" THEN LET s=s-
5
320 BEEP 1,10
330 IF s<=0 THEN GO TO 5000
350 PRINT "is your job dangerou
s?"
360 IF INKEY$="" THEN GO TO 360
370 IF INKEY$="y" THEN LET s=s-
10
380 IF INKEY$="y" THEN LET p=p+
20
390 IF s<=0 THEN GO TO 5000
395 BEEP 1,10: CLS
```

HERES THIS MONTHS SUPRIZE PROGRAM.
↓

```
10 FOR a=0 TO 3
20 FOR c=0 TO 5
30 FOR d=0 TO 10
40 BEEP .01,a
50 NEXT a
65 BEEP .01,d
70 NEXT d
85 BEEP .01,c
90 NEXT c
100 FOR a=0 TO 50 STEP 2
110 BEEP .01,a
120 NEXT a
130 FOR a=50 TO -50 STEP -2
140 BEEP .01,a
150 NEXT a
160 RUN
```

WHY NOT GET YOUR PROGRAMS PUBLISHED IN OUR MAGAZINE? JUST SEND IN YOUR PROGRAMS AND IF WE CONSIDER THEM GOOD ENOUGH WE'LL PRINT THEM.

NEXT MONTH WE WILL HAVE THE REST OF OUR TWO BIG PROGRAMS:- DEATHDAY AND FUNFAIR SO DON'T MISS IT. WHY NOT PLACE A REGULAR ORDER WITH THE PUBLISHERS?

HERE'S A FEW INTRESTING RANDOMIZE USR'S THAT YOU CAN PUT INTO YOUR SPECTRUM:

RANDOMIZE USR 1334	RANDOMIZE USR 1231	RANDOMIZE USR 3212
'' '' 1333	'' '' 2345	'' '' 2345
'' '' 1331	'' '' 1238	'' '' 643

ZX81 PRINT-OUT PAGE.

THESE TWO PROGRAMS GIVE QUITE INTRESTING RESULTS.WE APOLIGISE FOR THE LACK
OF ZX81 PROGRAMS BUT UNFORTUNATLY OUR MEANS OF PRODUCING THESE PROGRAMS
HAS A TECHNICAL FAULT AND SO WE ARE USING MAKESHIFT PROGRAMS WHILE THE
SITUATION IS REMIDIED.IF YOU HAVE ANY PROGRAMS THAT YOU WOULD LIKE PUBLISHED
PLEASE SEND THEM TO US AND WE WILL PUBLISH THEM FOR YOU FREE OF CHARGE.

PROGRAM 1

```
   5 REM TEXT EDITOR.THIS PROGRA
M EDITS THE TEXT THAT YOU ENTER
AND PUTS IT INTO SPACED LINES
  10 FAST
  15 INPUT A$
  20 IF LEN A$>32 THEN GO TO 35
  25 PRINT A$
  30 GO TO 15
  35 LET C=0
  40 IF C=32 THEN GO TO 65
  45 LET B$=A$(32-C)
  50 IF A$(33-C)="   " OR B$=","
OR B$="." OR B$=":" OR B$=";" OR
 B$="?" OR B$=CHR$ 11 THEN GO TO
70
  55 LET C=C+1
  60 GO TO 40
  65 LET C=0
  70 PRINT A$( TO 32-C)
  75 LET A$=A$(33-C TO )
  80 IF A$(1)="   " THEN LET A$=A
$(2 TO )
  85 GO TO 20
```

THIS PROGRAM EDITS WHAT YOU
INPUT AND SPACES IT OUT FOR
YOU.

PROGRAM 2

```
  10 DIM A$(40)
  20 INPUT A$
  30 FOR Y=43 TO 4 STEP -1
  40 FOR X=0 TO 7
  50 LET S=43-Y
  60 LET N=X+8*INT (S/8)
  70 LET SCAN=S-8*INT (S/8)
  80 LET P=PEEK (7680+8*CODE A$(
N+1)+SCAN)
  90 FOR I=7 TO 0 STEP -1
 100 PLOT 8*X+7-I,Y
 110 UNPLOT 8*X+7-I,Y
 120 IF P<2**I THEN GO TO 150
 130 LET P=P-2**I
 140 PLOT 8*X+7-I,Y
 150 NEXT I
 160 NEXT X
 170 NEXT Y
```

THIS PROGRAM ENLARGES WHAT YOU
INPUT AND DRAWS IT UP ON THE SCREEN.

IF EITHER OF THESE PROGRAMS DOES NOT WORK PLEASE DON'T WRITE AND TELL US
AS AS I'VE SAID WE CAN'T CHECK THESE PROGRAMS BECAUSE OUR EQUIPMENT HAS HAD
A SMALL TECHNICAL DEFECT.
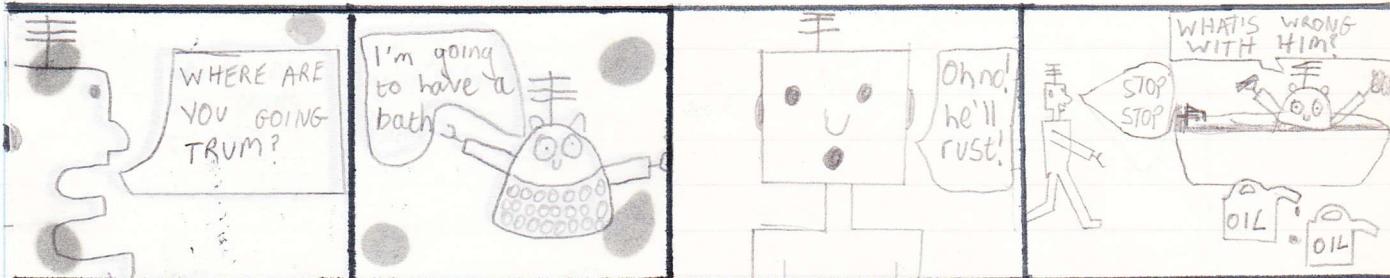
LIKE AN ARTICLE PUBLISHED

HOW WOULD YOU LIKE AN ARTICLE OF YOURS PUBLISHED IN THIS MAGAZINE?
    JUST WRITE TO US AND IF WE THINK YOUR ARTICLE IS INTRESTING ENOUGH
   WE WILL PRINT IT.

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NEWS PAGE EXTRA..

BBC'S INVADE B.H.S!

  THE ZX SPECTRUM COMPUTERS IN THE BERWICKSHIRE HIGH SCHOOL HAVE RECENTLY BEEN
CHANGED FOR BBC COMPUTERS THIS HAS BEEN ACCEPTED AS A WELCOME CHANGE BY PUPILS
AND TEACHERS ALIKE.FOR A START THE BBC'S HAVE FAR BETTER,MORE PROFFESIONAL
KEYBOARDS ANDTHE SOUND FUNCTION IS FAR BETTER THAN THE BEEPS ON THE SPECTRUM.
THE LANGUAGE USED BY THE BBCS IS IN MOST RESPECTS SUPERIOR TO THAT OF THE
SPECTRUM AS IT CONTAINS SUCH COMMANDS AS ELSE AND ENVELOPE.NEXT MONTH WE WILL
BE PUBLISHING SOME INTERVIEWS ABOUT THE NEW BBC'S TO SEE WHQT YOU,THE PUBLIC
THINKS OF THEM.

'SPECY AND TRUM'

NEXT MONTH.

NEXT MONTH WE WILL HAVE MORE SPECY AND TRUM,MORE PRINT-OUTS,NEWS,OFFERS AND
NEWS OF A GREAT NEW COMPETITION.WE WILL ALSO BE INCLUDING SOME INTERVIEWS
WITH PUPILS AND TEACHERS IN THE B.H.S.WE WILL ALSO BE PUBLISHING THE NAME OF
THE WINNER OF OUR GREAT COMPETITION WHERE SOME LUCKY PERSON IS GOING TO WIN
A GREAT TAPE FOR THEIR SPECTRUM OR ZX81.
                    DON'T MISS IT!

REVIEW.

REVIEW ON: QUEST.

QUEST IS QUITE A GOOD ADVENTURE WITH FAIRLY GOOD GRAPHICS ALTHOUGH IT IS NOT
QUITE AS GOOD AS THE HOBBIT.

  THE OBJECT IS TO FIND A MAP,HIDDEN IN A WORLD INHABITED BY GRUESOME MONSTERS.
ON THE WAY YOU MUST LOCATE A SCROLL WHICH WILL PROVIDE YOU WITH AN INVALUABLE
CLUE.

  YOU CAN CHOOSE TO BE A WIZARD,CLERIC,ROGUE,FIGHTER OR SIMPLETON EACH HAVE SOME
DIFFERENT ADVANTAGES.

  YOU ALSO HAVE 5 PROPERTIES.THESE ARE STRENGTH,LUCK,DEXTERITY,CONSTITUTION AND
CHARM.YOU CAN FIND THE USUAL MONEY,SWORDS ETC.........AND SOME KEYWORDS ARE
GIVEN ON THE INLAY CARD.   £4.95

                    Hewston Consultants.

  GRAPHICS=7,SOUND=5,EASE OF USE=8,ADDICTIVENESS=9.