

```

5860 LET m=INT((b+t)/2)
5870 IF MS(m)=US THEN LET X=1
5880 IF US>MS(m) THEN LET b=m+1
.
6080 LET AS=KEYS
.
6110 IF AS=" " THEN RETURN
6120 GOSUB 6200
6130 RETURN
.
6730 FOR I=1 TO 1
6735 LET I=0
6740 LET AS=KEYS
6750 IF (AS=ES) OR (AS=" ") THEN LET I=1
6760 NEXT I

```

This fragment must be reproduced at lines
6880-6910, 6990-7030, 7110-7140, 7220-
7250, 7640-7670

DRAGON 32**Initialising Program**

This is the initialising program for the Dragon 32.

```

1 REM "CREATE DATA FILE"
2 LET Z=2
3 LET NS="@FIRST"
4 OPEN "0", #1, "ADBKDAT"
5 INPUT "INSERT DATA TAPE, PRESS
RECORD, & TYPE 'Y'";AS
6 PRINT #1,Z,NS,NS,NS,NS,NS,NS,NS
7 CLOSE #1
8 PRINT "STOP THE TAPE, AND REWIND"
9 STOP

```

BBC MICRO**COMMODORE 64****VIC-20**

On the BBC Micro replace lines 4, 5 and 7 by:

```

4 F1=OPENOUT("ADBKDAT")
6 PRINT #F1,Z,NS,NS,NS,NS,NS,NS,NS
7 CLOSE#F1

```

On the Commodore 64 and Vic-20 replace lines 4, 6 and 7 by:

```

4 OPEN 1,1,2,"ADBKDAT"
6 PRINT #1,Z,NS,NS,NS,NS,NS,NS,NS
7 CLOSE 1

```

Main Program Variables

On the Dragon, the Commodores, and the BBC Micro copy the Spectrum list (published in full on page 458) with these substitutions for the numeric variables.

Replace: SIZE by Z
RMOD by R
SRTD by D
CURR by C
CHOI by H
BTM by BT
MD by MD
TP by TP

and make the following line changes, substitutions, and deletions:

```

1100 REM "CREARR" S/R
1110 DIM NS(50)
1120 DIM MS(50)
1130 DIM SS(50)
1140 DIM TS(50)
1150 DIM CS(50)
1160 DIM RS(50)
1170 DIM XS(50)

```

Delete lines 1180-1190

```

1210 LET Z=0
1220 LET R=0
1230 LET D=1
1240 LET C=0
1250 LET ZS="@FIRST"
1260 LET QS=""

```

1300 RETURN

This is the Dragon 32 version of subroutine 1400:

```

1400 REM "RDINFL" S/R
1410 OPEN "I",#-1, "ADBKDAT"
1420 PRINT "INSERT DATA TAPE AND PRESS
PLAY"
1430 GOSUB 3100
1440 INPUT #1,Z
1450 FOR K=1 TO Z-1
1460 INPUT #1,Z,NS(K),MS(K),SS(K),TS(K),
CS(K),RS(K),XS(K)
1470 NEXT K
1480 QS=NS(1)
1490 CLOSE #-1
1500 PRINT "STOP THE TAPE"
1510 GOSUB 3100
1520 RETURN

```

In the preceding list, on the BBC Micro replace line 1410 by:

```
1410 F1=OPENIN("ADBKDAT")
```

and replace #-1 by #F1 in lines 1440, 1460, 1490

In the preceding list, on the Commodore 64 and Vic-20 replace line 1410 by:

```
1410 OPEN 1,1,0,"ADBKDAT"
```

Replace #-1 by #1 in lines 1440 and 1460, and replace 1490 by:

```
1490 CLOSE 1
```

On the BBC Micro replace INKEYS by INKEYS(0) throughout; and replace INPUT" ..message.." by AS by INPUT" ..message.." AS. On the Commodores replace LET AS=INKEYS by GET AS throughout; and replace IF INKEYS... by GET GTS: IF GTS...

On the BBC Micro, the Dragon, and the Commodores in subroutine 4500 replace all references to DS(L) by MIDS(DS,L,1). Replace CODE... by ASC(...). Replace FIRST by LAST in line 4610.

Delete: LET L=T from the end of line 4630.

This is the Dragon version of subroutine 5600; for BBC and Commodore variations see the Initialising Program notes above.

```

5600 REM "SAVREC" S/R
5610 OPEN "C",#-1, "ADBKDAT"
5620 PRINT "INSERT DATA TAPE AND PRESS
RECORD"
5630 GOSUB 3100
5640 INPUT #1,Z
5650 FOR K=1 TO Z-1
5660 PRINT #1,Z,NS(K),MS(K),SS(K),TS(K),
CS(K),RS(K),XS(K)
5670 NEXT K
5680 CLOSE #-1
5690 PRINT "STOP THE TAPE"
5693 GOSUB 3100
5695 RETURN

```

In subroutine 6200 on the BBC Micro insert:

```

6205 VDU 2
6275 VDU 3
and replace LPRINT by PRINT.

```

On the Commodores insert:

```

6205 OPEN 4,4:CMD 4
6275 PRINT #4:CLOSE 4

```

and replace LPRINT by PRINT.

On the Dragon replace LPRINT by PRINT #-2.