

SPECTRUM

When the program stops, rewind the tape and type VERIFY "NFLD" DATA ZS() to check the SAVE.

The following are the Spectrum versions of lines in the main listing. Note that line numbers above 9999, though retained here to relate the changes to the main listing, are not accepted by the Spectrum. Renumber all program lines below this, remembering to modify GOSUBs accordingly.

```

1100 REM *CREARR*
1110 DIM NS(50,30)
1120 DIM MS(50,30)
1130 DIM SS(50,30)
1140 DIM TS(50,15)
1150 DIM CS(50,15)
1160 DIM RS(50,15)
1170 DIM XS(50,30)
1180 DIM BS(30)
1190 DIM ZS(30)
1250 LET ZS="@FIRST"

1400 REM *RDINFL* SR
1410 LOAD "NFLD" DATA NS ( )
1420 IF NS(1)=ZS THEN LET QS=ZS:RETURN
1430 LOAD "MFLD" DATA MS( )
1440 LOAD "SFLD" DATA SS( )
1450 LOAD "TFLD" DATA TS( )
1460 LOAD "CFLD" DATA CS( )
1470 LOAD "TEFLD" DATA RS( )
1480 LOAD "NDXFLD" DATA XS( )
1490 REM *FLSIZE*
1500 GOSUB 12500

1540 RETURN

1640 IF QS=ZS THEN LET SIZE=1

3520 IF QS=ZSTHEN GOSUB 3860:RETURN
3810 LET CHOI=CODE AS-48

10090 LET QS=""

10200 REM *MODNAM* SR

10250 LET DS=NS(SIZE):LET PS=""
10260 FOR L=1 TO LEN (DS)
10270 LET AS=DS(L)
10280 LET T=CODE AS
10290 IF T>=97 THEN LET T=T-32
10300 LET AS=CHRS T
10310 LET PS=PS+AS
10320 NEXT L
10330 LET DS=PS:LET PS="":LET AS="":LET
T=LEN(DS)
10340 REM LOCATE LAST SPACE
10350 FOR L=1 TO T
10360 IF DS(L)=" " THEN LET S=L:LET L=T
10370 NEXT L
10380 REM REMOVE RUBBISH
10390 REM STORE FORENAME IN PS
10400 FOR L=1 TO S-1
10410 IF CODE (DS(L))>64 THEN LET
PS=PS+DS(L)
10420 NEXT L
10430 REM REMOVE RUBBISH
10440 REM STORE SURNAME IN AS
10450 FOR L=S+1 TO LEN (DS)
10460 IF CODE(DS(L))>64 THEN LET
AS=AS+DS(L)
10470 NEXT L
10480 LET MS(SIZE)=AS+" "+PS
10490 LET PS="":LET AS=""
10510 RETURN

N.B. Because of the way that the Spectrum
handles strings, the routine above splits the
name at the first, not the last, space.

12000 REM *SAVREC* SR

```

```

12030 SAVE "NFLD" DATA NS( )
12040 SAVE "MFLD" DATA MS( )
12050 SAVE "SFLD" DATA SS( )
12060 SAVE "TFLD" DATA TS( )
12070 SAVE "CFLD" DATA CS( )
12080 SAVE "TEFLD" DATA RS( )
12090 SAVE "NDXFLD" DATA XS( )
12150 RETURN
12500 REM *FLSIZE* SR
12510 LET SIZE=50
12520 FOR L=1 TO 50
12530 IF NS(L)=BS THEN LET SIZE=L:LET
L=50
12540 NEXT L
12560 RETURN

```

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Incorporate the Spectrum changes with the following differences (again, line numbers must be reduced below 9999). Add 1255 LET NS(1) = ZS. Delete lines 1410-1540 and 12030-12140 and insert 1410 RETURN and 12010 PRINT "INSERT TAPE, PRESS PLAY AND RECORD, AND HIT NEWLINE" 12020 INPUT WS 12030 SAVE "ADDBK" Once the program has been saved, execute it thereafter by typing GOTO 40, never by RUN.

EOF

On the Commodore 64 and Vic-20 replace line 1520 by:

```
1520 IF ST AND 64 THEN LET L=50
```

On the Dragon 32 delete line 1520 and replace it by:

```
1485 IF EOF(-1) THEN GOTO 1510
```

On the BBC Micro replace it by:

```
1520 IF EOF# X THEN LET L=50
```

where X is the numerical variable used in the OPENOUT statement (see page 319).

```

10 REM *MAINPG*
20 REM *INITIL*
30 GOSUB 1000
40 REM *GREET$*
50 GOSUB 3000
60 REM *CHOOSE*
70 GOSUB 3500
80 REM *EXECUT*
90 GOSUB 4000
100 IF CHOI <> 9 THEN 60
110 END
1000 REM *INITIL* SUBROUTINE
1010 GOSUB 1100: REM *CREARR* (CREATE ARRAYS)
SUBROUTINE
1020 GOSUB 1400: REM *RDINFL* (READ IN FILE) SUBROUTINE
1030 GOSUB 1600: REM *SETFLG* (SET FLAGS) SUBROUTINE
1040 REM
1050 REM
1060 REM
1070 REM
1080 REM
1090 RETURN
1100 REM *CREARR* (CREATE ARRAYS) SUBROUTINE
1110 DIM NAMFLD$(50)
1120 DIM MODFLD$(50)
1130 DIM STRFLD$(50)
1140 DIM TWNFLD$(50)
1150 DIM CNTFLD$(50)
1160 DIM TELFLD$(50)
1170 DIM NDXFLD$(50)
1180 REM
1190 REM
1200 REM
1210 LET SIZE = 0
1220 LET RMOD = 0
1230 LET SVED = 0
1240 LET CURR = 0
1250 REM
1260 REM
1270 REM
1280 REM
1290 REM
1300 RETURN
1400 REM *RDINFL* SUBROUTINE
1410 OPEN "I",#1,"ADBK.DAT"
1420 INPUT #1,TEST$
1430 IF TEST$ = "@FIRST" THEN GOTO 1540: REM CLOSE AND
RETURN
1440 LET NAMFLD$(1) = TEST$
1450 INPUT #1,MODFLD$(1),STRFLD$(1),TWNFLD$(1),CNTFLD$
(1),TELFLD$(1)
1460 INPUT #1,NDXFLD$(1)
1470 LET SIZE = 2

```