```
30 REM ******************
40 REM * ADDRESS MASTER *
50 REM *                 *
60 REM *   B.BAXTER      *
70 REM ******************
80 REM
90 DC=FRE(""): REM GARBAGE COLLECTION
100 M=100: REM ALTER TO SUIT
110 E$=CHR$(93): REM E$=] END OF LIST MA
RKER
120 REM N$=NAMES:A1$=ADDRESS1:A2$=ADDRES
S2:A3$=ADDRESS3:A4$=ADDRESS4
130 REM C=LIST COUNTER:A$=ANSWER$
140 DIM N$(M),A1$(M),A2$(M),A3$(M),A4$(M
): REM SET UP ARRAYS
150 N$(C)=E$: REM SET END OF LIST MARKER
160 WHILE OPT<11: REM SET LOOP
170 MODE 1:PRINT"* MENU *":PRINT:PRINT
180 PRINT" 0. Rules of Engagement.":PRIN
T
190 PRINT" 1. Create New List.":PRINT
200 PRINT" 2. Alpha Sort.":PRINT
210 PRINT" 3. Add New Name & Address.":P
RINT
220 PRINT" 4. Delete Name & Address.":PR
INT
230 PRINT" 5. Search for Name & Address.
":PRINT
240 PRINT" 6. Output to Printer.":PRINT
250 PRINT" 7. Save the List.":PRINT
260 PRINT" 8. Load the List.":PRINT
270 PRINT" 9. End of Program.":PRINT
280 PRINT:PRINT"Select Option...."
290 A$=INKEY$:IF A$="" THEN 290
300 IF ASC(A$)<48 OR ASC(A$)>57 THEN 160
310 OPT=ASC(A$)-47
320 ON OPT GOSUB 360,840,1220,1440,1580,
1760,2140,2310,2490,2700
330 WEND
340 REM
350 REM *************************
360 REM * 0. Rules of Engagement *
370 REM *************************
380 REM
390 CLS:PRINT"* RULES OF ENGAGEMENT *":P
RINT:PRINT
400 PRINT"* 1. Create New List..":PRINT
410 PRINT"* 3. Add N. & A. to List..":PR
INT:PRINT
420 PRINT"Address Master is designed to
store and retrieve " M " names addresses
.":PRINT
430 PRINT"All entries are restricted to
a maximum of five lines of data. This in
cludes anyCounty, Country or Postal Code
s, Tel No.etc.. Enter 'CR' for Blank li
nes.":PRINT
440 PRINT"The layout of the entry is res
tricted bythe size of Label used for pos
ting. The actual address may be altered
to suit a label size.":PRINT
450 PRINT"An entry is numbered and a cou
nt kept asan indicator to the size of th
e list..":PRINT
460 LOCATE 3,25:PRINT"Press Space Bar to
Turn Page.."
470 A$=INKEY$:IF A$="" THEN 470
480 IF A$<>" " THEN 470
490 CLS:PRINT"Example...":PRINT:PRINT
500 PRINT"Name..        B. Baxter"
510 PRINT"Address..     P.O. Box 17"
520 PRINT"Address..     Burnham on Sea"
530 PRINT"Address..     Somerset"
540 PRINT"Address..     TAB 1DT"
550 PRINT:PRINT"A List is terminated wit
h a codes:-":PRINT
560 PRINT"             ']'":PRINT
570 PRINT"The terminator ']' is entered
into the  Name position following the l
ast entry.":PRINT
580 PRINT"The terminator is used as an a
nd of listearker and will return control
to the  Menu.":PRINT
590 PRINT"These rules apply to the 3rd o
ption of  \Add New Name & Address..'"
600 LOCATE 3,25:PRINT"Press Space Bar to
Turn Page.."
610 A$=INKEY$:IF A$="" THEN 610
620 IF A$<>" " THEN 610
630 CLS:PRINT:PRINT
640 PRINT"* 2. Alphabetical Sort..":PRIN
T
650 PRINT"As its name implies, 'Alpha So
rt' sorts the list of N.& A. into an alp
habetical order. This commences with th
e first   character of the Name. and is
sequentialthroughout the entry i.e B, Ba
xter wouldprecede C. Baxter etc..":PRINT
660 PRINT"It is advisable to invoke an A
lpha Sort  at the completion of any list
...":PRINT
670 PRINT:PRINT"* 4. Delete Name & Addre
ss..":PRINT
680 PRINT"To Delete any N.& A. the entry
must be the same as.that already store
d in the  list. CAUTION.. When in use..
":PRINT"Spaces & Dots are Legal!.."
690 LOCATE 3,25:PRINT"Press Space Bar to
Turn Page.."
700 A$=INKEY$:IF A$="" THEN 700
710 IF A$<>" " THEN 700
720 CLS
```

```
730 PRINT:PRINT"* 5. Search for Name & A
    ddress..":PRINT
740 PRINT"This routine will Search for a
    N.& A. asrequested. Again, the requeste
    d name    should be exactly as stored in
    the list.":PRINT
750 PRINT"The result is displayed and an
    option tooutput to a line printer is gi
    ven.   The search will continue for anoth
    er name inthe list, and if not found, wi
    ll return control to the Menu.":PRINT
760 PRINT:PRINT"* Output to Printer..":P
    RINT
770 PRINT"Two options are given.  'Output
    List willprintout contents in Horizonta
    l format.  'Output to Labels will printou
    t contentsin Vertical format.  Some adju
    stment maybe needed to facilitate the Us
    ers needs.":PRINT
780 LOCATE 3,25:PRINT"Press Space Bar to
    Turn Page.."
790 A$=INKEY$:IF A$="" THEN 790
800 IF A$<>" " THEN 790
810 RETURN
820 REM
830 REM *********************
840 REM * 1. Create New List *
850 REM *********************
860 REM
870 C=1: REM START COUNT
880 CLS:PRINT"* CREATE NEW LIST *":PRINT
890 PRINT"ENTRY ";C;" of "M
900 PRINT:PRINT"Name         ";:GOSUB 1100
910 N$(C)=P$:PRINT
920 IF N$(C)=E$ THEN RETURN
930 PRINT:PRINT"Address      ";:GOSUB 1100
940 A1$(C)=P$:PRINT
950 PRINT:PRINT"Address      ";:GOSUB 1100
960 A2$(C)=P$:PRINT
970 PRINT:PRINT"Address      ";:GOSUB 1100
980 A3$(C)=P$:PRINT
990 PRINT:PRINT"Address      ";:GOSUB 1100
1000 A4$(C)=P$:PRINT
1010 PRINT:PRINT: PRINT:PRINT"Correct..
    ? (Y/N)"
1020 A$=INKEY$:IF A$="" THEN 1020
1030 IF A$="N" THEN 880
1040 IF A$<>"Y" THEN 1020
1050 C=C+1: REM INCREMENT COUNT
1060 IF C=M THEN LOCATE 1,25:PRINT"List
    Complete..":FOR T=0 TO 1250:NEXT T:GOTO
    160
1070 CLS:GOTO 890: REM RETURN FOR ANOTHE
    R
1080 REM
1090 REM *********************
1100 REM * Keyboard Input Routine *
1110 REM *********************
1120 REM
1130 P$=""
1140 K$=INKEY$:IF K$="" THEN 1140
1150 IF ASC(K$)=13 THEN RETURN
1160 IF ASC(K$)=127 AND LEN(P$)=0 THEN 1
    140
1170 IF ASC(K$)=127 THEN P$=LEFT$(P$,LEN
    (P$)-1):PRINT CHR$(8) CHR$(16);:GOTO 114
    0
1180 PRINT K$;
1190 P$=P$+K$:GOTO 1140
1200 REM
1210 REM *********************
1220 REM * 2. Alphabetical Sort *
1230 REM *********************
1240 REM
1250 CLS:PRINT"* ALPHABETICAL SORT *":PR
    INT
1260 IF C=0 THEN PRINT"List Empty...":FO
    R T=0 TO 1200:NEXT T:RETURN
1270 PRINT"Alphabetical Sort in pr
    ogress... Please wait.."
1280 C=1: REM SET COUNTER
1290 IF N$(C)=E$ THEN N=C-1:GOTO 1310
1300 C=C+1:GOTO 1290: REM INCREMENT COUN
    TER AND RETURN
1310 FOR Q=1 TO N-1
1320 FOR R=Q+1 TO N
1330 IF N$(R)>=N$(Q) THEN 1390
1340 S$=N$(R):N$(R)=N$(Q):N$(Q)=S$
1350 S$=A1$(R):A1$(R)=A1$(Q):A1$(Q)=S$
1360 S$=A2$(R):A2$(R)=A2$(Q):A2$(Q)=S$
1370 S$=A3$(R):A3$(R)=A3$(Q):A3$(Q)=S$
1380 S$=A4$(R):A4$(R)=A4$(Q):A4$(Q)=S$
1390 NEXT R
1400 NEXT Q
1410 RETURN
1420 REM
1430 REM *********************
1440 REM * 3. Add New Name & Address *
1450 REM *********************
1460 REM
1470 CLS:PRINT"* ADD NEW NAME & ADDRESS
    *":PRINT
1480 IF C=0 THEN PRINT"List Empty...":FO
    R T=0 TO 1200:NEXT T:RETURN
1490 C=1: REM SET COUNTER
1500 IF N$(C)=E$ THEN 1520
1510 C=C+1:GOTO 1500
1520 IF C=M THEN PRINT"* LIST COMPLETE
    *":FOR T=0 TO 1250:NEXT T:RETURN
1530 N$(C+1)=E$
1540 GOSUB 890
1550 RETURN
1560 REM
```

```
1570 REM ****************************
1580 REM * 4. Delete Name & Address *
1590 REM ****************************
1600 REM
1610 CLS:PRINT"* DELETE NAME & ADDRESS *
":PRINT
1620 IF C=0 THEN PRINT"List Empty...":FO
R T=0 TO 1200:NEXT T:RETURN
1630 PRINT"* Enter Name to be Deleted fr
om List exactly as stored. *":PRINT
1640 GOSUB 1100: REM KEYBOARD ROUTINE
1650 S$=P$
1660 C=1: REM SET COUNTER
1670 IF N$(C)=S$ THEN 1700
1680 IF N$(C)=E$ THEN PRINT:PRINT S$;" N
OT ON FILE":FOR T=0 TO 850:NEXT T:RETURN
1690 C=C+1:GOTO 1670
1700 N$(C)=N$(C+1):A1$(C)=A1$(C+1):A2$(C
)=A2$(C+1):A3$(C)=A3$(C+1)
1710 A4$(C)=A4$(C+1)
1720 C=C+1:IF C=M THEN CLS:PRINT:PRINT S
$" Deleted..":FOR T=0 TO 850:NEXT:RETURN
1730 GOTO 1700
1740 REM
1750 REM *********************
1760 REM * 5. Search Routine *
1770 REM *********************
1780 REM
1790 CLS
1800 PRINT"* SEARCH ROUTINE *":PRINT
1810 IF C=0 THEN PRINT"List Empty...":FO
R T=0 TO 1200:NEXT T:RETURN
1820 C=1: REM SET COUNTER
1830 PRINT:PRINT"Enter Name... ";
1840 GOSUB 1100
1850 GP$=P$
1860 L=LEN(GP$)
1870 IF N$(C)=E$ THEN RETURN
1880 FOR K=1 TO (LEN(N$(C))-L+1)
1890 IF GP$=MID$(N$(C),K,L) THEN 1920
1900 NEXT K
1910 C=C+1: GOTO 1870
1920 CLS
1930 PRINT:PRINT"Name      ";N$(C)
1940 PRINT:PRINT"Address   ";A1$(C)
1950 PRINT"          ";A2$(C)
1960 PRINT"          ";A3$(C)
1970 PRINT"          ";A4$(C)
1980 PRINT:PRINT:PRINT"* Press 'P' for P
rintout *"
1990 PRINT:PRINT"* Press 'M' for Menu *"
2000 LOCATE 1,25:PRINT"Press Space Bar t
o continue search..."
2010 A$=INKEY$:IF A$="" THEN 2010
2020 IF A$="P" THEN GOSUB 2060
2030 IF A$="M" THEN RETURN
2040 IF A$=" " THEN C=C+1:GOTO 1870
2050 GOTO 2010
2060 PRINT #8, N$(C)
2070 PRINT #8, A1$(C)
2080 PRINT #8, A2$(C)
2090 PRINT #8, A3$(C)
2100 PRINT #8, A4$(C)
2110 RETURN
2120 REM
```

```
2130 REM ********************
2140 REM * 6. Printer Output *
2150 REM ********************
2160 REM
2170 CLS:PRINT"* PRINTER OUTPUT *":PRINT
:PRINT
2180 PRINT:PRINT" 0. Instructions..":PRI
NT
2190 PRINT:PRINT" 1. Output Address List
..":PRINT
2200 PRINT:PRINT" 2. Output to Labels.."
:PRINT
2210 PRINT:PRINT" 3. Return to Menu..":P
RINT
2220 PRINT
2230 PRINT:PRINT"Select Option...."
2240 A$=INKEY$:IF A$="" THEN 2240
2250 IF ASC(A$)<48 OR ASC(A$)>51 THEN 21
70
2260 OPT=ASC(A$)-47
2270 ON OPT GOSUB 2790,2840,2960
2280 RETURN
2290 REM
2300 REM ***************
2310 REM * 7. Save List *
2320 REM ***************
2330 REM
2340 CLS:PRINT"   * CASSETTE SAVE LIST
 ROUTINE  *":PRINT
2350 PRINT:PRINT"ARE YOU SURE..'  (Y/N)"
2360 A$=INKEY$:IF A$="" THEN 2360
2370 IF A$="N" THEN 160
2380 IF A$<>"Y" THEN 2360
2390 PRINT:PRINT"Enter new Filename plea
se.."
2400 GOSUB 1100: REM KEYBOARD ROUTINE
2410 B$=CHR$(34)+P$+CHR$(34): REM GET "F
ilename"
2420 IF P$="" THEN B$=""
2430 C=1:OPENOUT B$
2440 IF N$(C)=E$ THEN CLOSEOUT: RETURN
2450 WRITE #9,N$(C),A1$(C),A2$(C),A3$(C)
,A4$(C): REM OUTPUT DATA
2460 C=C+1:GOTO 2440
2470 REM
2480 REM ***************
2490 REM * 8. Load List *
2500 REM ***************
2510 REM
2520 CLS:PRINT"   * CASSETE LOAD LIST
 ROUTINE  *":PRINT
2530 PRINT:PRINT"ARE YOU SURE..'  (Y/N)"
2540 A$=INKEY$:IF A$="" THEN 2540
2550 IF A$="N" THEN 160
2560 IF A$<>"Y" THEN 2540
2570 PRINT:PRINT"Enter Filename of List
Please..."
2580 GOSUB 1100: REM KEYBOARD ROUTINE
2590 B$=CHR$(34)+P$+CHR$(34): REM GET "F
ilename"
2600 IF P$="" THEN B$=""
2610 C=1:OPENIN B$
2620 WHILE NOT EOF: REM LOOP UNTIL DONE
2630 INPUT #9,N$(C),A1$(C),A2$(C),A3$(C)
,A4$(C): REM GET DATA
```

```
2640 C=C+1:GOTO 2620
2650 WEND
2660 CLOSEIN
2670 N$(C)=E$:RETURN: REM CLOSE UP AND G
O HOME
2680 REM
2690 REM ***************
2700 REM * End Program *
2710 REM ***************
2720 REM
2730 CLS:PRINT"* END PROGRAM *":PRINT
2740 MODE 1:PRINT:PRINT"WARNING.........
"
2750 PRINT:PRINT"IS ALL YOUR DATA SAVED
.. ? (Y/N)"
2760 A$=INKEY$:IF A$="" THEN 2760
2770 IF A$="N" THEN RETURN
2780 IF A$="Y" THEN END: REM GOOD BYE..
2790 REM
2800 REM *********************
2810 REM * Output Address List *
2820 REM *********************
2830 REM
2840 CLS:PRINT:PRINT"* OUTPUT ADDRESS LI
ST *":PRINT
2850 IF C=0 THEN PRINT"List Empty...":FO
R T=0 TO 1200:NEXT T:RETURN
2860 PRINT "Set Printer to Top of Paper"
:PRINT
2870 LOCATE 3,25:PRINT"Press Space Bar t
o continue.."
2880 A$=INKEY$:IF A$="" THEN 2880
2890 IF A$<>" " THEN 2880
```

```
2900 C=1
2910 IF N$(C)=E$ THEN PRINT #8,"Total:-
":C-1:PRINT #8,CHR$(27)CHR$(12):RETURN
2920 PRINT #8, N$(C);" ";A1$(C);" ";A2
$(C);" ";A3$(C);" ";A4$(C)
2930 C=C+1:GOTO 2910
2940 REM
2950 REM *******************
2960 REM * Output to Labels *
2970 REM *******************
2980 REM
2990 CLS:PRINT:PRINT"* OUTPUT TO LABELS
*":PRINT
3000 IF C=0 THEN PRINT"List Empty...":FO
R T=0 TO 1200:NEXT T:RETURN
3010 PRINT "Set Printer to Top of Label"
:PRINT
3020 LOCATE 3,25:PRINT"Press Space Bar t
o continue.."
3030 A$=INKEY$:IF A$="" THEN 3030
3040 IF A$<>" " THEN 3030
3050 C=1: REM SET COUNTER
3060 IF N$(C)=E$ THEN RETURN
3070 PRINT #8,N$(C)
3080 PRINT #8,A1$(C)
3090 PRINT #8,A2$(C)
3100 PRINT #8,A3$(C)
3110 PRINT #8,A4$(C)
3120 FOR SP=1 TO 3:PRINT #8, CHR$(13):NE
XT SP: REM SET SP COUNT FOR SPACE BETWEE
N LABELS
3130 C=C+1:GOTO 3060
```