

```

4540 LET A$=D$(L)
4550 LET T=CODE A$
4560 IF T=97 THEN LET T=T-32
4570 LET A$=CHR$ T
4580 LET P$=P$+A$
4590 NEXT L
4600 LET D$=P$:LET P$="":LET A$="":LET T=LEN(D$)
:LET S=0
4610 REM LOCATE FIRST SPACE
4620 FOR L=1 TO T
4630 IF D$(L)=" " THEN LET S=L:LET L=T
4640 NEXT L
4650 REM REMOVE RUBBISH, PUT FORENAME IN A$
4660 FOR L=1 TO S-1
4670 IF CODE(D$(L))>64 THEN LET P$=P$+D$(L)
4680 NEXT L
4690 REM REMOVE RUBBISH, PUT SURNAME IN A$
4700 FOR L=S+1 TO LEN(D$)
4710 IF CODE(D$(L))>64 THEN LET A$=A$+D$(L)
4720 NEXT L
4730 LET M$(SIZE)=A$+" "+P$
4740 LET P$="":LET A$="":LET S=0
4750 RETURN

```

```

5000 REM *EXPROG* S/R
5010 IF (RMOD=0) AND (SRTD=1) THEN RETURN
5020 IF (RMOD=1) AND (SRTD=0) THEN GOSUB 5200
5030 GOSUB 5600
5040 RETURN

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5200 REM *SRTREC* S/R
5210 FOR K=1 TO 1
5220 LET S=0
5230 FOR L=1 TO SIZE-2
5240 LET T=L+1
5250 IF M$(L)M$(T) THEN GOSUB 5400
5260 NEXT L
5270 IF S=1 THEN LET K=0
5280 NEXT K
5290 LET SRTD=1
5300 RETURN

```

```

5400 REM *SWPREC*
5410 LET U$=M$(L):LET N$(L)=M$(T):LET M$(T)=U$
5420 LET U$=M$(L):LET M$(L)=M$(T):LET M$(T)=U$
5430 LET U$=S$(L):LET S$(L)=S$(T):LET S$(T)=U$
5440 LET U$=T$(L):LET T$(L)=T$(T):LET T$(T)=U$
5450 LET U$=C$(L):LET C$(L)=C$(T):LET C$(T)=U$
5460 LET U$=R$(L):LET R$(L)=R$(T):LET R$(T)=U$
5470 LET X$(L)=STR$(L)
5480 LET X$(T)=STR$(T)
5490 LET S=1
5500 RETURN

```

```

5600 REM *SAVREC* S/R
5605 INPUT "INSERT RECORDING TAPE & HIT 'ENTER':";A$
5610 SAVE "NFLD" DATA N$(C)
5620 SAVE "MFLD" DATA M$(C)
5630 SAVE "SFLD" DATA S$(C)
5640 SAVE "TFLD" DATA T$(C)
5650 SAVE "CFLD" DATA C$(C)
5660 SAVE "TEFLD" DATA R$(C)
5670 SAVE "NDFLD" DATA X$(C)
5680 INPUT "STOP THE TAPE & HIT 'ENTER':";A$
5690 RETURN

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5700 REM *FNDREC* S/R
5710 CLS
5720 IF SRTD=0 THEN GOSUB 5200
5730 PRINT:PRINT
5740 PRINT TAB(5);"SEARCHING FOR A RECORD"
5750 PRINT TAB(12);"BY NAME"
5760 PRINT
5770 PRINT TAB(5);"TYPE IN THE FULL NAME"
5780 PRINT TAB(3);"IN FIRSTNAME SURNAME ORDER"
5790 PRINT:PRINT
5800 INPUT "NAME IS";N$(SIZE)
5810 GOSUB 4500
5820 LET J$=M$(SIZE)
5830 LET BTM=1
5840 LET TP=SIZE-1
5850 FOR X=1 TO 1
5860 LET MD=INT((BTM+TP)/2)
5870 IF M$(MD)<>U$ THEN LET X=0
5880 IF M$(MD)< U$ THEN LET BTM=MD+1
5890 IF M$(MD)> U$ THEN LET TP=MD-1
5900 IF BTM>TP THEN LET X=1
5910 NEXT X
5920 IF BTM>TP THEN LET CURR=0
5930 IF BTM=< TP THEN LET CURR=MD
5940 IF CURR=0 THEN GOSUB 6400:RETURN
5950 CLS
5960 PRINT
5970 PRINT TAB(9);"*RECORD FOUND*"
5980 PRINT
5990 PRINT "NAME";N$(CURR)
6000 PRINT "STREET";S$(CURR)
6010 PRINT "TOWN";T$(CURR)
6020 PRINT "COUNTY";C$(CURR)
6030 PRINT "PHONE";R$(CURR)
6040 PRINT
6050 PRINT TAB(3);"PRESS ANY LETTER TO PRINT"
6060 PRINT TAB(3);"OR SPACE-BAR TO CONTINUE"
6070 FOR I=1 TO 1
6080 LET A$=INKEY$
6090 IF A$="" THEN LET I=0
6100 NEXT I
6110 IF A$<>" " THEN GOSUB 6200
6120 RETURN

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```

6200 REM *LSTCUR* S/R
6210 LPRINT
6220 LPRINT "NAME";N$(CURR)
6230 LPRINT "STREET";S$(CURR)
6240 LPRINT "TOWN";T$(CURR)

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6250 LPRINT "COUNTY";C$(CURR)
6260 LPRINT "PHONE";R$(CURR)
6270 LPRINT:LPRINT
6280 RETURN

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6400 REM *NOTREC* S/R
6410 CLS
6420 PRINT TAB(7);"*RECORD NOT FOUND*"
6430 PRINT TAB(4);"*IN FORM ";N$(SIZE);" *"
6440 PRINT
6450 REM "CONTINUE"
6460 GOSUB 3100
6470 RETURN

```

```

6600 REM *MCDREC* S/R
6610 CLS
6620 PRINT:PRINT:PRINT
6630 LET E$=CHR$ 13
6640 PRINT TAB(6);"*TO MODIFY A RECORD*"
6650 PRINT TAB(3);"*FIRST LOCATE THAT RECORD*"
6660 GOSUB 5720
6670 IF CURR=0 THEN RETURN
6680 PRINT
6690 PRINT TAB(10);"MODIFY NAME ?"
6700 PRINT
6710 PRINT TAB(1);"PRESS 'ENTER' TO ENTER NEW NAME"
6720 PRINT TAB(2);"OR SPACE-BAR FOR NEXT FIELD"
6730 FOR I=1 TO 1
6740 LET A$=INKEY$
6750 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
6760 NEXT I
6770 IF A$=E$ THEN INPUT "NEW NAME";N$(CURR)
6780 IF A$=E$ THEN LET RMOD=1
6790 IF A$=E$ THEN LET SRTD=0
6800 IF A$=E$ THEN LET N$(SIZE)=N$(CURR)
6810 IF A$=E$ THEN GOSUB 4500
6820 IF A$=E$ THEN LET M$(CURR)=M$(SIZE)
6830 PRINT
6840 PRINT TAB(8);"MODIFY STREET ?"
6850 PRINT
6860 PRINT TAB(1);"PRESS 'ENTER' TO ENTER NEW STREET"
6870 PRINT TAB(2);"OR SPACE-BAR FOR NEXT FIELD"
6880 FOR I=1 TO 1
6890 LET A$=INKEY$
6900 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
6910 NEXT I
6920 IF A$=E$ THEN LET RMOD=1
6930 IF A$=E$ THEN INPUT "NEW STREET";S$(CURR)
6940 PRINT
6950 PRINT TAB(10);"MODIFY TOWN ?"
6960 PRINT
6970 PRINT TAB(1);"PRESS 'ENTER' TO ENTER NEW TOWN"
6980 PRINT TAB(2);"OR SPACE-BAR FOR NEXT FIELD"
6990 FOR I=1 TO 1
7010 LET A$=INKEY$
7020 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
7030 NEXT I
7040 IF A$=E$ THEN LET RMOD=1
7050 IF A$=E$ THEN INPUT "NEW TOWN";T$(CURR)
7060 PRINT
7070 PRINT TAB(9);"MODIFY COUNTY ?"
7080 PRINT
7090 PRINT TAB(2);"PRESS 'ENTER' FOR NEW COUNTY"
7100 PRINT TAB(2);"OR SPACE-BAR FOR NEXT FIELD"
7110 FOR I=1 TO 1
7120 LET A$=INKEY$
7130 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
7140 NEXT I
7150 IF A$=E$ THEN LET RMOD=1
7160 IF A$=E$ THEN INPUT "NEW COUNTY";C$(CURR)
7170 PRINT
7180 PRINT TAB(4);"MODIFY PHONE NO. ?"
7190 PRINT
7200 PRINT TAB(1);"PRESS 'ENTER' FOR NEW PHONE NO"
7210 PRINT TAB(2);"OR SPACE-BAR FOR NEXT FIELD"
7220 FOR I=1 TO 1
7230 LET A$=INKEY$
7240 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
7250 NEXT I
7260 IF A$=E$ THEN LET RMOD=1
7270 IF A$=E$ THEN INPUT "NEW NUMBER";R$(CURR)
7280 RETURN

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```

7500 REM *DELREC* S/R
7510 CLS
7520 PRINT:PRINT:PRINT:PRINT
7530 LET E$=CHR$ 13
7540 PRINT TAB(6);"*TO DELETE A RECORD*"
7550 PRINT TAB(3);"*FIRST LOCATE THE DESIRED RECORD*"
7560 GOSUB 5720
7570 IF CURR=0 THEN RETURN
7580 PRINT
7590 PRINT "DO YOU WANT TO DELETE THIS RECORD ?"
7600 PRINT " *WARNING* - NO SECOND CHANCES !!"
7610 PRINT
7620 PRINT TAB(5);"PRESS 'ENTER' TO DELETE"
7630 PRINT TAB(4);"OR SPACE-BAR TO CONTINUE"
7640 FOR I=1 TO 1
7650 LET A$=INKEY$
7660 IF (A$<>E$) AND (A$<>" ") THEN LET I=0
7670 NEXT I
7680 IF A$="" THEN RETURN
7690 FOR L=CURR TO SIZE-2
7700 LET T=L+1
7710 LET N$(L)=N$(T)
7720 LET M$(L)=M$(T)
7730 LET S$(L)=S$(T)
7740 LET T$(L)=T$(T)
7750 LET C$(L)=C$(T)
7760 LET R$(L)=R$(T)
7770 LET X$(L)=X$(T)
7780 NEXT L
7790 LET RMOD=1
7800 LET SIZE=SIZE-1
7810 RETURN

```