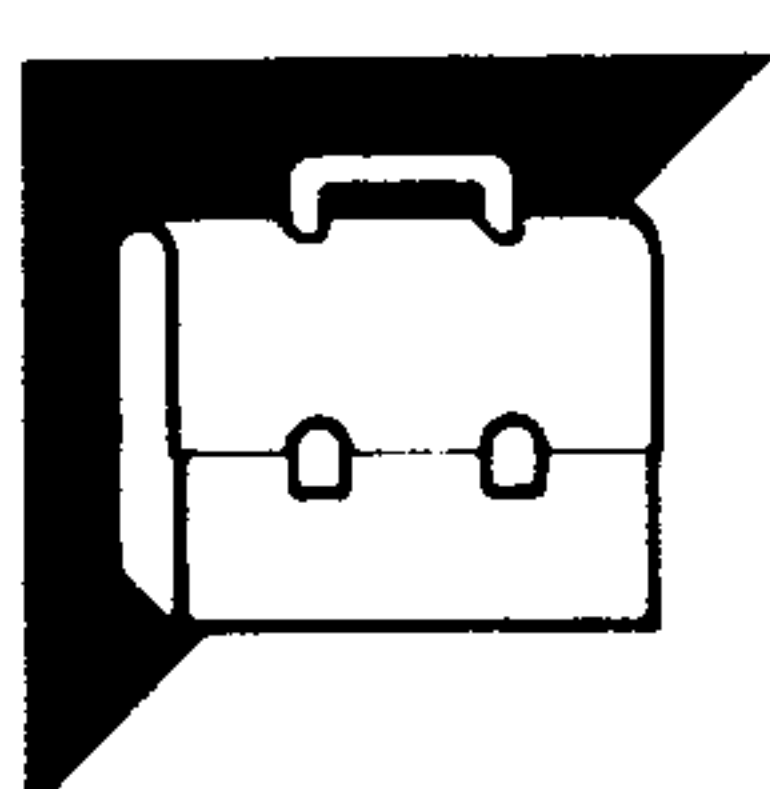


PROGRAM FILE

```
4750 PRINT
4760 PRINT ' EXIT'
4770 PRINT
4780 PRINT ' Before leaving the program you are given the option to re-configu
re'
4790 PRINT
4800 PRINT ' the screen windows for TV or Monitor mode.'
4810 END DEFine help8
```



Memotech MTX Database by Dave England

The program is a menu-driven data-
base for the Memotech MTX-512 which
can handle up to 170 records. For
machines with less memory, some
juggling with the maximum file dimen-
sions should enable the program to run.
Owners of the RS-128 or disk drives

should find no problem in extending
the program to run with more records
and use disk storage. After the Basic
listing is Noddy code, which has to be
typed in to give the necessary instruc-
tions and menus contained within the
program.

```
0 REM ***** MTX DATABASE BY DAVE ENGLAND *****
5 REM ***** MAY 1985 *****
10 VS 7: PAPER 12: INK 15: VS 0: PAPER 12: INK 15: VS 1: INK 15: PAPER 12: VS 5:
PAPER 12: INK 15
20 GOSUB 500
30 GOSUB 200
40 PLOD "INT": GOSUB 400
50 PLOD "PR1": GOSUB 100
60 LET A=(ABS(A-128))
70 ON A GOTO 1000,2000,3000,4000,5000,6000,7000,8000,9010
80 GOTO 50
100 LET A%=INKEY$: IF A%<>" " THEN GOTO 100
110 LET A%=INKEY$: IF A%="" THEN GOTO 110
120 LET A=ASC(A%): IF A>90 AND A<127 THEN LET A=A+32: LET A%=CHR$(A)
130 RETURN
200 REM SET UP PASSWORD
210 VS 5: CLS : PRINT "ENTRY CODE :";: LET B$="": FOR I=1 TO 6: GOSUB 100: LET B
$=B$+A$: PRINT A$;: NEXT I: IF B%<>ENTRY% THEN GOTO 210
220 REM change screen colours
230 CLS : PRINT : PRINT "Would you like different screen colours (Y or N)": GOSU
B 100
240 IF A%="N" THEN RETURN
250 IF A%<>"Y" THEN GOTO 230 ELSE PRINT : PRINT : INPUT "New paper colour (1 T
O 15) ";P: IF P>15 THEN GOTO 250
260 PRINT : PRINT : INPUT "New ink colour (1 TO 15) ";I: IF I>15 THEN GOTO 260
270 VS 0: PAPER P: INK I: VS 1: PAPER P: INK I: VS 7: PAPER P: INK I: VS 5: PAPE
R P: INK I
280 PRINT : PRINT "Are these colours OK ? (Y or N)": GOSUB 100
290 IF A%="Y" THEN RETURN ELSE IF A%<>"N" THEN GOTO 280
300 GOTO 230
400 VS 7: CLS : PRINT "Press any key to continue.....": VS 5: GOSUB 100: RETUR
N
500 LET E=20: LET NR=0: LET NNR=0: LET FILE$="": LET B$="": DIM A$(1),P(15),I(15
),PASS$(6),ENTRY$(6): LET ENTRY$="LOGON1"
510 RETURN
600 CLS : PRINT "Record does not exist in memory": GOSUB 400: RETURN
1000 REM new file routine
1010 PLOD "PR7": GOSUB 100
1020 LET A=ABS(A-128): ON A GOTO 1030,50: GOTO 1000
1030 CLEAR : GOSUB 500: CLS
1040 INPUT "New file name (Maximum 12 letters) ";B$: IF LEN (B%)>12 THEN GO
TO 1040 ELSE LET FILE%=B$
1050 PRINT : PRINT "Number of records to store ": PRINT "Maximum 150 ";: INPUT N
R: IF (NR+E>170 OR NR<1) THEN GOTO 1050
1060 PRINT : PRINT "Number of headings per record": PRINT "(Maximum 8) ";: INPUT
NH: IF NH>8 OR NH<1 THEN GOTO 1060
1070 DIM HEAD$(NH,20),RECORD$(NR+E,NH,40)
1080 CLS : FOR I=1 TO NH
1090 LET B$="": PRINT : PRINT "Enter heading";I: INPUT B$: IF LEN (B%)>20 THEN
PRINT "Too long": GOSUB 400: GOTO 1090
1100 LET HEAD$(I)=B$: NEXT I
1110 CLS : FOR I=1 TO NR: CSR 11,0: PRINT FILE%;" Page";I: FOR J=1 TO NH
1120 LET B$="": PRINT HEAD$(J): PRINT : INPUT B$
1130 IF LEN (B%)>40 THEN PRINT "Too long - try again": GOSUB 400: GOTO 1120 ELS
E LET RECORD$(I,J)=B$
1140 NEXT J: CLS : NEXT I
1150 CLS : PRINT "File now complete as defined": GOSUB 400: GOTO 50
2000 REM save file routine
2010 IF NR=0 THEN GOSUB 600: GOTO 50 ELSE PLOD "PR2"
2020 GOSUB 100: LET A=ABS(A-128): ON A GOTO 2030,50: GOTO 2000
2030 VS 7: CLS : PRINT "Start tape then press any key...": GOSUB 100
2040 VS 7: CLS : PRINT "Saving.....";
2050 SAVE FILE$: GOTO 30
3000 REM examine file routine
3010 IF NR=0 THEN GOSUB 600: GOTO 50
3020 PLOD "PR3": GOSUB 100
3030 LET A=ABS(A-128): ON A GOTO 3040,3100,50: GOTO 3020
3040 REM examine individual record
3050 CLS : INPUT "Enter the number of the record you wish to see ";R: IF R>NR TH
EN GOSUB 600: GOTO 3000
3060 CLS : FOR I=1 TO NH: PRINT RECORD$(R,I): PRINT : NEXT
3070 PRINT : PRINT "Is this the correct entry (Y or N) ": GOSUB 100
3080 IF A%="N" THEN GOTO 3100 ELSE IF A%<>"Y" THEN GOTO 3070
3090 GOSUB 400: GOTO 3000
3100 CLS : PRINT "List of records in file (By first record)"
3110 PRINT : FOR I=1 TO NR: PRINT I;" ";RECORD$(I,1): IF I/10=INT(I/10) THEN GO
SUB 400
3120 PRINT : NEXT I
3130 GOSUB 400: GOTO 3000
4000 REM load file routine
4010 PLOD "PR4": GOSUB 100: LET A=ABS(A-128): ON A GOTO 4020,50: GOTO 4010
4020 CLS : INPUT "Load which file ? ";FILE$: IF FILE$="" THEN GOTO 4020
4030 CLS : PRINT "Searching for ";FILE$
4040 LOAD FILE$
5000 REM edit file routine
5010 IF NR=0 THEN GOSUB 600: GOTO 50
5020 PLOD "PR5": GOSUB 100
5030 LET A=ABS(A-128): ON A GOTO 5040,5110,5140,5190,50: GOTO 5000
5040 REM change record
```

PROGRAM FILE

```
3580 a$=INKEY$(-1)
3590 END REPEAT bhelp
3600 END DEFINE help
3610 REMARK
3620 DEFINE PROCEDURE help1
3630 CLS
3640 PRINT
3650 PRINT ' BACKUP'
3660 PRINT
3670 PRINT ' First lists the directory for the cartridge to be backed up.'
3680 PRINT
3690 PRINT ' Then formats the backup cartridge as many times as specified.'
3700 PRINT
3710 PRINT ' After this all files are copied to the back up cartridge.'
3720 END DEFINE help1
3730 REMARK
3740 REMARK
3750 DEFINE PROCEDURE help2
3760 CLS
3770 PRINT
3780 PRINT ' COPY'
3790 PRINT
3800 PRINT ' First, the directory for the cartridge to be copied from is listed.'
3810 PRINT
3820 PRINT ' Then the number of the file to be copied is requested.'
3830 PRINT
3840 PRINT ' The file is copied, then the next file number is requested and so on.'
3850 PRINT
3860 PRINT ' If the file is to be copied to the same cartridge, a new file name'
3870 PRINT
3880 PRINT ' must be given.'
3890 PRINT
3900 PRINT 'NOTE: You do not need to DELETE before a COPY'
3910 END DEFINE help2
3920 REMARK
3930 DEFINE PROCEDURE help3
3940 CLS
3950 PRINT
3960 PRINT ' DELETE'
3970 PRINT
3980 PRINT ' First lists the directory of the cartridge files are to be deleted.'
3990 PRINT
4000 PRINT ' from.'
4010 PRINT
4020 PRINT ' Then the program repeatedly requests the number of the next'
4030 PRINT
4040 PRINT ' file to be deleted, and deletes it.'
4050 PRINT
4060 PRINT ' Before each deletion you are asked to confirm the delete for'
4070 PRINT
4080 PRINT ' for that particular file.'
4090 END DEFINE help3
4100 REMARK
4110 DEFINE PROCEDURE help4
4120 CLS
4130 PRINT
4140 PRINT ' DIRECTORY'
4150 PRINT
4160 PRINT ' The program requests the number of the drive whose directory is'
4170 PRINT
4180 PRINT ' to be listed.'
4190 PRINT
4200 PRINT ' The directory is then listed in alphabetical order.'
4210 PRINT
4220 PRINT ' Names are spaced across the screen according to the length of the'
4230 PRINT
4240 PRINT ' longest file name on the cartridge.'
4250 END DEFINE help4
4260 REMARK
4270 DEFINE PROCEDURE help5
4280 CLS
4290 PRINT
4300 PRINT ' FORMAT'
4310 PRINT
4320 PRINT ' The program requests the microdrive number, the cartridge name'
4330 PRINT
4340 PRINT ' and the number of times to format the cartridge.'
4350 PRINT
4360 PRINT ' The cartridge is then formatted according to the specifications.'
4370 END DEFINE help5
4380 REMARK
4390 DEFINE PROCEDURE help6
4400 CLS
4410 PRINT
4420 PRINT ' GENERAL'
4430 PRINT
4440 PRINT ' Major options are selected from the menu at the top right.'
4450 PRINT
4460 PRINT ' Other options are requested from the lower part of the screen'
4470 PRINT
4480 PRINT ' when required.'
4490 PRINT
4500 PRINT ' Also messages are printed on the lower part of the screen to tell'
4510 PRINT
4520 PRINT ' you what is happening.'
4530 PRINT
4540 PRINT ' If a major option is requested by accident, press ESC to return'
4550 PRINT
4560 PRINT ' to the main menu.'
4570 END DEFINE help6
4580 REMARK
4590 DEFINE PROCEDURE help7
4600 CLS
4610 PRINT
4620 PRINT ' LIST'
4630 PRINT
4640 PRINT ' Works as DIRECTORY but dumps the directory to an EPSON compatible'
4650 PRINT
4660 PRINT ' printer.'
4670 PRINT
4680 PRINT ' Before dumping there is an option to enter a comment, which is'
4690 PRINT
4700 PRINT ' then printed as the first part of the header.'
4710 END DEFINE help7
4720 REMARK
4730 DEFINE PROCEDURE help8
4740 CLS
```

PROGRAM FILE

```
5050 INPUT "What is the number of the file to alter ? ";F: IF F>NR THEN GO
SUB 600: GOTO 5000
5060 FOR I=1 TO NH: PRINT RECORD$(F,I): PRINT : NEXT I
5070 PRINT : PRINT "Is this the correct record (Y or N)": GOSUB 100: IF A$="N" T
HEN GOTO 5110
5080 IF A$<>"Y" THEN GOTO 5070 ELSE PRINT "Enter the line number you wish to
alter or 0 to alter all records ";: INPUT L: IF L=0 THEN GOTO 5100
5090 PRINT HEAD$(L): PRINT RECORD$(F,L): INPUT "New record: ";RECORD$(F,L): GOTO
5000
5100 FOR I=1 TO NH: PRINT HEAD$(I): PRINT RECORD$(F,I): INPUT "New record :";REC
ORD$(F,I): NEXT : GOTO 5000
5110 CLS : PRINT FILE$: PRINT : FOR I=1 TO NR+NNR: PRINT I;" ";RECORD$(I,1): PRI
NT : IF I/10=INT(I/10) THEN GOSUB 400
5120 NEXT I: GOSUB 400: GOTO 5000
5130 REM change file name
5140 CLS : PRINT "Current file name is ";FILE$
5150 PRINT : PRINT "Do you wish to change this ?(Y or N)"
5160 GOSUB 100: IF A$="Y" THEN GOTO 5180 ELSE IF A$<>"N" THEN GOTO 5160
5170 GOTO 5000
5180 INPUT "New file name (Maximum 12 letters) ";B$: IF LEN (B$)>12 THEN GO
TO 5180 ELSE LET FILE$=B$: GOTO 5000
5190 CLS : FOR I=1 TO NH: PRINT I;" ";HEAD$(I): PRINT : NEXT I
5200 INPUT "Please enter the line number you wish to change ";B$: LET B=VAL(B$):
IF B>NH OR B<1 THEN GOTO 5200
5210 PRINT "Please enter new heading": INPUT B$: IF LEN (B$)>20 THEN PRINT "Too
long - maximum 20 characters": GOTO 5210
5220 LET HEAD$(B)=B$: GOTO 5000
6000 REM printer routines
6010 IF NR=0 THEN GOSUB 600: GOTO 50
6020 PLOD "PR6": GOSUB 100
6030 LET A=ABS(A-128): ON A GOTO 6040,6060,6070,6110,6130,50: GOTO 6030
6040 LPRINT CHR$(27);"Q";CHR$(39);
6050 GOTO 6000
6060 LPRINT CHR$(27);"E";: GOTO 6000
6070 FOR I=1 TO NR+NNR: LPRINT FILE$;" Page";I: FOR J=1 TO NH
6080 LPRINT RECORD$(I,J): NEXT J
6090 FOR K=1 TO 5: LPRINT : NEXT K: NEXT I
6100 GOTO 6000
6110 LPRINT "Format of each record": LPRINT : FOR I=1 TO NH: LPRINT HEAD$(I): NE
XT
6120 GOTO 6000
6130 CLS : INPUT "Print which record number ";RN: IF RN>NR THEN GOSUB 600: GOTO
6000
6140 CLS : FOR I=1 TO NH: PRINT RECORD$(RN,I): PRINT : NEXT : PRINT "Is this the
correct record (Y or N)": GOSUB 100
6150 IF A$="Y" THEN GOTO 6170 ELSE IF A$<>"N" THEN GOTO 6140
6160 GOTO 6000
6170 FOR I=1 TO NH: LPRINT RECORD$(RN,I): NEXT
6180 GOTO 6000
7000 REM expand file routine
7010 IF NR=0 THEN GOSUB 600: GOTO 50
7020 CLS : INPUT "Number of records to add";NNR: IF NNR>E OR NNR<1 THEN PRINT "
Out of range - try again": GOSUB 400: CLS : GOTO 7000
7030 LET E=E+NNR
7040 CLS : FOR I=NR+1 TO NNR+NR: CSR 11,0: PRINT FILE$;" Page ";I: FOR J=1 TO NH
7050 PRINT HEAD$(J): INPUT B$: IF LEN (B$)<40 THEN LET RECORD$(I,J)=B$ ELSE GO
TO 7050
7060 NEXT J: CLS : NEXT I: LET NR=NR+NNR
7070 CLS : PRINT "File enlarged as defined ": GOSUB 400: GOTO 40
8000 REM change password
8010 CLS : PRINT "Current password is :";ENTRY$
8020 PRINT : INPUT "New password (Maximum 6 letters) :";B$: IF LEN (B$)>6 THEN
PRINT "Too long - try again": GOSUB 400: GOTO 8020
8030 LET ENTRY$=B$: GOTO 50
9000 REM quit program
9010 CLS : PRINT "Are you certain you wish to exit ? (Y or N)": GOSUB 100
9020 IF A$="Y" THEN NEW ELSE IF A$="N" THEN GOTO 50
9030 GOTO 50
```

WHEN ABOVE PROGRAM IS ENTERED TYPE IN '
NODDY' PAGES AS SET OUT BELOW.
TO ERASE THE PAGE TITLE FROM THE PAGE T
YPE <HOME> FOLLOVED BY <EOL> WHEN YOU
FIRST SET UP THE PAGE. THIS WILL ERASE
THE WORD FROM THE PAGE BUT WILL STILL
KEEP THE PAGE TITLE IN MEMORY
PR1 TO PR7 AND INT ARE ALL ON DIFFERENT
NODDY PAGES, BUT FORMATTING THEM TO TH
E PRINTER WOULD LEAVE LARGE AREAS OF BL
ANK PAPER.

PR1

*D MENU1.*R
PR7

*D MENU7.*R
PR2

*D MENU2.*R
PR3

*D MENU3.*R
PR4

*D MENU4.*R
PR5

*D MENU5.*R
PR6

PROGRAM FILE

*D MENU6.*R
INT

*D INTRO.*R

INTRO INTRODUCTION

~~~~~  
This program has been designed for ease of use, speed and simplicity. All options are menu-driven, and most only require a single key response. If the cursor (flashing white square) is on the screen, you will need to press RETURN at the end of your entry, such as when entering data.

For reasons of memory, the limit of the record under each heading is 40 characters, so each page can be up to 320 characters (8 lines of 40). To accommodate this the headings can be empty strings. (No heading actually defined—simply press RETURN when the prompt appears.)

The limit of 150 records is set in order to allow expansion up to 170 records. (MTX512).

This will allow up to 54,400 letters or numbers to be stored.

MENU1 OPENING MENU  
~~~~~

Start new file.....Press F1
Save current file.....Press F2
Examine file in memory.....Press F3
Load a new file from tape....Press F4
Edit file in memory.....Press F5
Send records to printer.....Press F6
Expand current file.....Press F7
Change entry code.....Press F8
Quit program completely.....Press S/F1
(S=Shift Key)

MENU7 NEW FILE MENU
~~~~~

Open new file.....Press F1  
Return to opening menu.....Press F2

## WARNING

~~~~~  
When a new file is started, previous file is lost, so if not already saved,

please do so now
MENU2 SAVE MENU
~~~~~

Save current file to tape.....F1  
Return to opening menu.....F2

MENU3 FILE VIEWING MENU  
~~~~~

Examine a particular file.....F1
List all current records.....F2
Return to opening menu.....F3

MENU4 LOAD MENU
~~~~~

Load file from tape.....Press F1  
Return to opening menu.....Press F2

MENU5 EDITING MENU  
~~~~~

Edit a record.....Press F1
List all records.....Press F2
Change file name (same file)...Press F3
Redefine a heading.....Press F4
Return to opening menu.....Press F5

MENU6 PRINTER OPTIONS
~~~~~

Set printer to same as screen..Press F1  
Set Emphasised mode.....Press F2

Both above are for Epson-type  
printers

Print out all records.....Press F3  
Send headings to printer.....Press F4  
Print a particular record.....Press F5  
Return to opening menu.....Press F6