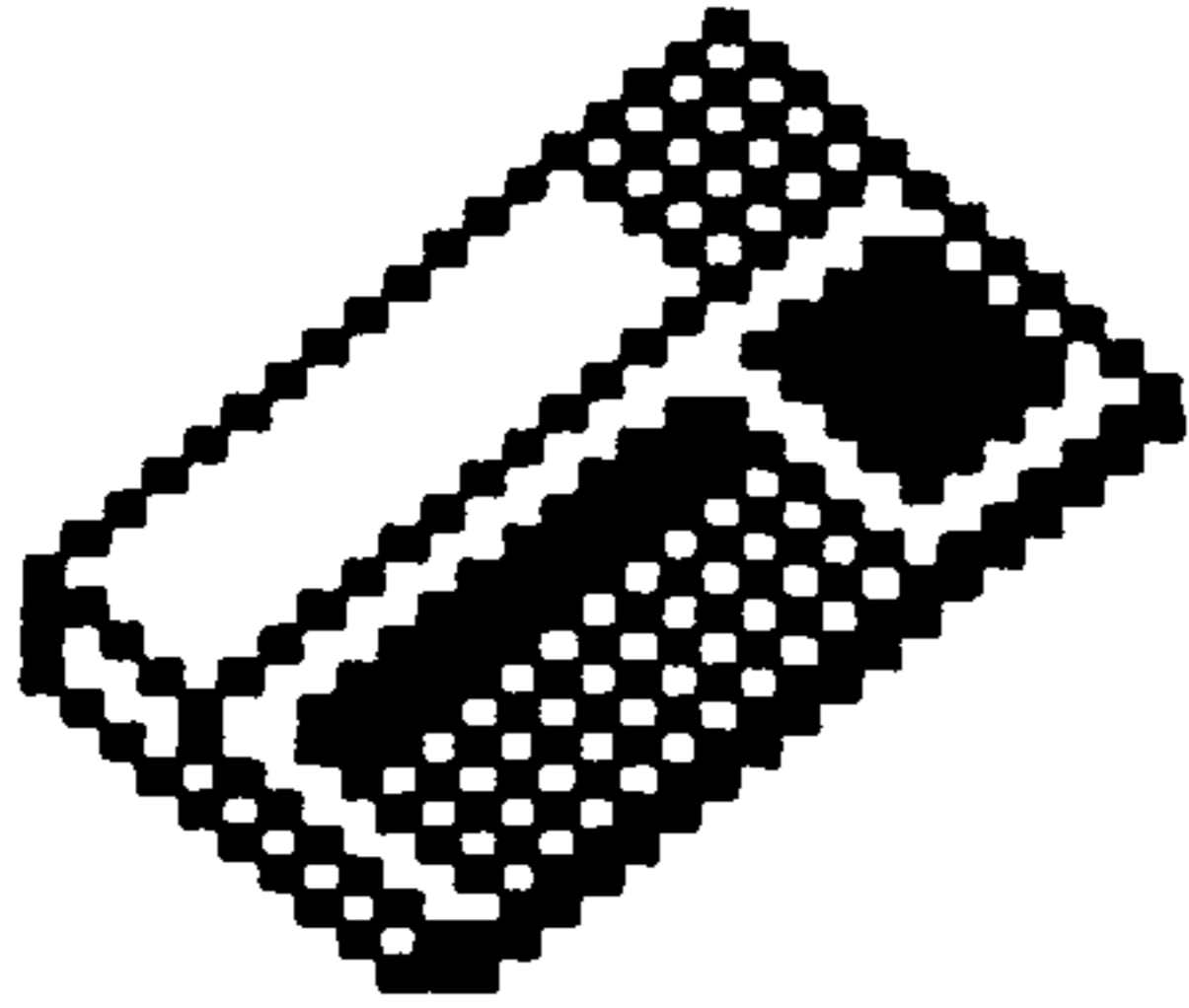


PROP. of HUG  
SET "A"  
c/o R. Lumpkin  
Houston Texas  
713-469-5089

FILE COPY  
A

SEPTEMBER

1986



# HUG

HOUSTON

USERS'

GROUP

## MEETING SCHEDULE

FIRST SUNDAY OF EVERY MONTH

(2nd Sunday if 1st Sunday

is on a holiday weekend)

HUG TIBBS - (713) 475-8909

24-hour BULLETIN BOARD

\*\*\*\*\*

## AT THE NEXT MEETING

SUNDAY, SEPTEMBER 7, 1986 2:00 P.M.

St. John's School - 2401 Claremont

This month Jane McAshan will demonstrate the AMIGA computer.

\*\*\*\*\*

## IN THIS ISSUE

TIPS FROM THE TIGERCUB FORTH DOODLE PROGRAM

TI-WRITER ALTERNATE CHARACTER SET ADDENDUM

STAYING ALIVE NEWS ABOUT HOME COMPUTER JOURNAL

\*\*\*\*\*

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STAYING ALIVE

Bv: Jerry D. Illing, Treasurer HUG

Last months article about using Multiplan files with other systems (that also use Microsoft Multiplan) and the 99/4A and visa-versa was an extremely important idea that most of us who take the 99/4A seriously should pay close attention to. We simply must explore ways that allow us to communicate with other systems to "stay alive" and eventually upgrade without losing the fruits of our labor.

The old "new" once proposed TI-99/8 was just to a very limited degree compatible with the 99/4A. Now it is also apparent the new MYARC upgrade is to be, again, only partially compatible. What this tells us is simply for us to look for the most feasible ways to move our data from one system to another. In a similar situation there has been a large exodus from CPM operating systems to MS-DOS (IBM compatible). A few really good pieces of software have been written especially for this move. Similar "missing links" are becoming commonplace for transfers from the new lap-tops to full-blown consoles. Some of these will actually read each others diskettes, but I think we would be hoping for a bit too much to look in this direction for future help. Who knows though, maybe some super programmer - - - - - ! Oh, well anyway.

Fortunately, direct connect (via RS-232's) and modem transfer are already at our disposal. We have been able to move text or ASCII files between different systems very easily without any special skills or exotic programs. Shortly after reading the Multiplan article, I was on line with HUG TIBBS and was using my ATT 6300 rather than my 99. The idea of sending the sysop a copy of our membership application form occurred to me, so I loaded it to send, as text file, to the board. Here's where the hitch came. HUG TIBBS currently does NOT support text transfer (except for it's 40 column message base). If I chose the message base - all of the spacing and order of the form would be lost, not to mention that it would have taken about 7-8 messages to accomplish this. WHAT TO DO? - - Give it up for lent? Not quite!

HERE'S THE SURPRISE - I simply transferred the text file via XMODEM intact. The transfer was very quick and NO ERRORS were received by the board. Bill Knecht, our Sysop did have to convert the file from DF 128 to DV 80. He simply used one of the terrific utilities out of our library, called TEXT128 by Erik Olson and in just a few moments he had the document in printable and editable form with either TI-Writer (Funnelwrite Etc.) or the Editor/Assembler. Bill handed me his hard copy a couple of days later at the regular monthly meeting. The important thing to be noted here is that the XMODEM protocol of my IBM compatible system and the XMODEM version used on the TIBBS bulletin boards are indeed compatible. Of course, had I been able to get one of you on your own private line (modem) it would have been very easy for you to simply capture your buffer as I sent it across the line. In this manner, there wouldn't even have to be a conversion made. Happy computing!

AMNION HELPLINE  
116 CARL STREET  
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(415) 753-5581

6 AUGUST 1986

TO: HOWIE ROSENBERG  
19 7TH AVENUE  
FARMINGDALE NY 11735

TERRIE MASTERS  
148 SO. MAPLE DRIVE  
BEVERLY HILLS CA 90212

PLEASE PROMULGATE

Dear Howie & Terrie,

I have finished gathering info that I hope will be of some help to all those who have been cheated by Home Computer Journal aka 99'er. The information was obtained both first hand and by several sources reporting their results, so it is a composite.

It seems that at the same time HCJ was sending out their "postcard" offer to subscribers, they were also closing down and dissolving Emerald Valley Publishing. The new company, composed of all the very same people, is called something like Computer Technology Publishing. Call them to complain about what they did to TI owners and they'll tell you that they are not liable for anything since Emerald Valley Publishing is no more. They will refuse to talk to anyone further.

The District Attorney in Eugene, Oregon has received enough complaints that they have begun an investigation. They are interested in hearing from any and all complainants about HJC. They have exerted pressure on HJC so that a few people have actually gotten their money back on unfinished subscriptions. To strengthen the case against HJC, however, they need to hear from "damaged parties" or they will be helpless. Anyone who was cheated by HCJ is strongly urged to contact:

DISTRICT ATTORNEY  
CONSUMER RELATIONS  
400 LANE COUNTY COURTHOUSE  
EUGENE, OREGON  
503-687-4261

If people will just take a few minutes of their time to let them know about their personal complaints, maybe the scam can be ended permanently. Please pass the information along to as many people as you can. IMPORTANT - all complaints should be leveled against Emerald Valley Publishing Co. aka HCJ, etc. etc.

As always, thank you for your support and concern for TI owners everywhere.

Guy Romano

This article explains how to make your own character fonts for display on TI Writer. My interest developed because my daisy-wheel printer produces non-standard characters in place of some lesser used keyboard characters, while TI Writer displayed the character on the keyboard. At printing time I usually had surprises to edit out of my text. The procedure presented here allows redefinition of any character normally displayed by TI Writer. This technique can be used for the problem described above or for properly displaying other characters printed through the Transliterate command of the Formatter.

Requirements:

- 1) TI-99/4A, Disk System, Memory Expansion, TI Writer.
- 2) Editor/Assembler
- 3) DISK disk editor, on MATIUG Disk #32
- 4) Updated TI-writer Files, MATIUG Disk #71
- 5) Grid paper to help define characters - reference CHR subprogram in your BASIC Reference Manual or a program such as Sprite Maker, MATIUG Disk #94

Procedure:

- 1) Make a back-up copy of your TI-writer program diskette. Use this back-up for all further activities in this article. This is IMPORTANT!
- 2) Determine which character (ASCII 0 through 127) you want to redefine
- 3) Determine the character definition code for the new character. Note: In 40-column display mode, characters are 8 pixels high by 6 pixels wide. Use the left 6 columns of your 8x8 pixel character definition grid for each character, but define the character code based on the full 8x8 grid.
- 4) Boot DISK0, using Editor/Assembler option #3, Load and Run. File name = DISK1.DISK0. Program name = START.
- 5) Before we go too much farther, here's how to navigate in DISK0:

FCFN	Description
1	Display sector in HEX
2	Display sector in ASCII
3	Return to E/A from menu
4	Display previous sector
6	Display following sector
8	Rewrite disk sector to match screen
9	Return to DISK0 menu
=	Quit - Go to Title Screen

- 6) After DISK0 is running, put your back-up TI-writer program diskette into DISK1. Use Option #2, Search for Existing File, to find the start sector of the file CHAR1, the character definition file. Note the starting sector number. Press <FCFN>9 for menu.
- 7) Select Option #1, Disk Sector Editor and select the starting sector of your CHAR1 file.
- 8) You will see the display labelled File Sector 1, shown at the top of this page. Note in the screens included with this article, I've inserted dots (.) between the character definition codes for your convenience in locating the character code you want to redefine. Also, I've added the ASCII number next to selected character codes. If you have the 9-sector version of CHAR1, don't worry that only 5 sectors are shown here: the others only contain 0's and serve no useful purpose that I can see.
- 9) Use the navigation functions to display the sector you wish to change. Use the arrow keys to put the cursor under the starting character of the code you want to redefine. Be sure to view sectors in HEX mode.
- 10) Type in the new code. Now is the time to review this screen to see if this is really what you want. If it isn't, type over incorrect code until it's right or return to the menu. If the code is correct, use <FCFN>8 to indicate your intention. Answer Y to rewrite the sector.
- 11) Boot up TI-writer using the disk with your revised file and check your results.

Notes:

- 1) This procedure also works on the CHAR1 file of QS-WRITER.
- 2) This procedure also works on the CHAR1 file of FUNLWRITER, MATIUG Disk #112.
- 3) TI-writer can only call CHAR1 character file, and it must be on DISK1. You may wish to keep several TI-writer Program Diskettes, each with a different customized CHAR1.
- 4) Disk Fixer or another disk sector editor can be used in stead of DISK0.

File Sector1: ASCII #:

```
0000080007FA-0020000018242418- 0
-002000081808081C-002000182408
103C-0020001824082418-00200014
141C0404-0020001C10180418-0020
000810382418-0020001C04081010- 7
-0020001824182418-00200018241C
0408-202038001C101C10-00400020
20382438-0070507048541C14-0070
4070001C1010-00200018243C2018- 14
-00400814101C1010-004040401824
2418-0020202028080808-00404058
2408103C-0040405824082418-0040
4054141C0404-0040405C10180418- 21
-0040404810382418-0040405C0408
1010-0040405824182418-00404058
241C0408-0040404018243C24-0040
4050101C141C-004040401C10101C- 28
-00404444041C141C-007070707070
7070-0040
```

File Sector2:

```
4C30101C1010-0000000000000000- 32
-0010101010001000-002828280000
0000-00287C28287C2800-00385430
18543800-00444C1830644400-0020
502054483400-0008102000000000- 39
-0008101010100800-002010101010
2000-0044287C28440000-0010107C
10100000-000000000301020-0000
007C00000000-000000000303000- 46
-004081020400000-003C4C546444
3800-0010301010103800-00384408
10207C00-0038441804443800-0008
1828487C0800-0078407804443800- 53
-0038407844443800-007C04081020
2000-0038443844443800-00384444
3C047800-0000303000303000-0000
303000301020-0000102040201000- 60
-0000007C007C0000-000010080408
1000-0038
```

File Sector3:

```
440810001000-0038445458403800- 64
-003844447C444400-007844784444
7800-0038444040443800-00784444
44447800-007C407840407C00-007C
407840404000-003844404C443800- 71
-0044447C44444400-003810101010
3800-0004040404443800-00444850
70484400-0040404040407C00-0044
6C3444444400-00446454544C4400- 78
-007C444444447C00-007844447840
4000-00384444544C3C00-00784444
78484400-0038443008443800-007C
101010101000-0044444444443800- 85
-0044444444281000-004444445454
2800-0044281010284400-00444428
10101000-007C081020407C00-0038
202020203800-0000402010080400- 92
-0038080808083800-001028440000
0000-0000
```

File Sector4:

```
00000007C00-0020100800000000- 96
-0000003848483C00-002020382424
3800-0000001C20201C00-0004041C
24241C00-0000001C28301C00-000C
103810101000-0000001C241C0438- 103
-0020203824242400-001000301010
3800-0008000808084830-00202024
38282400-0030101010103800-0000
007854545400-0000003824242400- 110
-0000001824241800-000000382438
2020-0000001C241C0404-00000028
34202000-0000001C300C3800-0010
103810100C00-0000002424241C00- 117
-0000004428281000-000000445454
2800-0000002418182400-00000024
241C0438-0000003C08103C00-000C
10102010100C-0010101000101010- 124
-0060101008101060-000020540800
0000-0000 127
```

File Sector5:(Partial)

```
000000000000-0000000000000000
0000000000000000000000000000
etc.
```

...FORTH

SCR #28

```

0 ( DOODLE #1 -TEXT -GRAPH -GRAPH2 )
1 ( WESLEY R RICHARDSON MARCH 1986 )
2 : IT ; BASE->R DECIMAL
3 0 VARIABLE XP 0 VARIABLE YP 0 VARIABLE PP
4 : ALP1 CLS 0 10 GOTOXY ." put ALPHA LOCK " ;
5 : ALP2 ." , then press ENTER" KEY DROP CLS ;
6 : SETV 64 XP ! 158 YP ! 0 PP ! ; HEX
7 : ISPR 3800 ' SATR ! 3800 SSDT 1 MAGNIFY
8 FFFF FFFF FFFF FFFF 15 SPCHAR 1010 28C6 2810 1000 16 SPCHAR
9 8244 2800 2844 8200 17 SPCHAR F880 80E0 8080 F800 18 SPCHAR
10 88C8 E8A8 8898 8800 19 SPCHAR F098 8888 8898 F000 1A SPCHAR
11 39 97 F 17 1 SPRITE 91 AE F 15 2 SPRITE B1 AE F 18 3 SPRITE
12 C1 AE F 19 4 SPRITE 01 AE F 1A 5 SPRITE ; DECIMAL
13 : DA 9 00 DUP I SWAP DOT LOOP DROP ;
14 : DB 240 DCOLOR ! 173 242 DA 182 137 DA 191 242 DA ;
15 -->

```

SCR #29

```

0 ( DOODLE #2 )
1 : DC 8 * 17 + DUP 8 - DO 191 174 DO J I DOT LOOP LOOP ;
2 : DD 16 0 DO I 16 * DCOLOR ! I DC LOOP DB ;
3 : INIT ALP1 ." up" ALP2 GRAPHICS2 SETV ISPR DRAW DD ;
4 : DLY 0 DO 1 1 / DROP LOOP ;
5 : SA CASE 4 OF 1 ENDOF 0 OF 0 ENDOF 252 OF -1 ENDOF ENDCASE ;
6 : SB CASE 4 OF -1 ENDOF 0 OF 0 ENDOF 252 OF 1 ENDOF ENDCASE ;
7 : SC SA XP @ + 9 MAX 242 MIN XP ! ;
8 : SD SB YP @ + 9 MAX 190 MIN YP ! ;
9 : PDOT PP @ IF XP @ YP @ DOT ENDIF ;
10 : PSPR PP @ IF 22 1 SPRPAT ELSE 23 1 SPRPAT ENDIF XP @ 7 -
11 YP @ 7 - 1 SPRPUT ;
12 : FINISH DELALL TEXT ALP1 ." down" ALP2 CR CR
13 ." type DOODLE to restart " CR CR
14 ." type FORGET IT to end " CR CR QUIT ;
15 -->

```

SCR #30

```

0 ( DOODLE #3 )
1 : CJOY 1 JOYST SWAP SC SD ;
2 : ART 18 = IF PP @ 0 = PP ! ENDIF PSPR PDOT ;
3 : CCOL DUP 9 - 8 / DUP 2 SPRCOL DUP 2 < IF 15 1 SPRCOL ELSE
4 DUP 1 SPRCOL ENDIF 16 * DCOLOR ! ;
5 : CSCR DUP 9 - 8 / SCREEN ;
6 : OPT PSPR 18 = IF XP @ DUP 137 < IF YP @ 182 < IF CCOL
7 ELSE CSCR ENDIF ENDIF 176 > IF FINISH ENDIF ENDIF ;
8 : DOODLE INIT BEGIN 30 DLY CJOY YP @ 173 < IF ART ELSE
9 OPT ENDIF AGAIN ;
10 DOODLE R->BASE

```

SCR #89

```

0 ( FORTH DISK DIRECTORY )
1 ( SCR #00-20 FORTH FORTHSAVE ERRORS )
2 ( SCR #22-23 PYTHAGORAS -TEXT -PRINT )
3 ( SCR #24-27 FINCALC -FLOAT -PRINT )
4 ( SCR #28-30 DOODLE -TEXT -GRAPH2 -GRAPH )

```

TIPS FROM THE TIGERCUB

#37

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TIGERCUB SOFTWARE  
156 Collingwood Ave.  
Columbus, OH 43213

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For descriptions of these send a dollar for my catalog!

I'm going to mail out the July and August Tips at the end of June, and go fishing. Imagine, a TI publication AHEAD of schedule! However, in the unlikely event that anyone should send me an order, it will receive my usual one-day service.

Here's another tune for the dulcimer player in the last Tips. Change the TO value to 94 -  
350 DATA 9,11,13,13,13,13,13

```
,16,16,13,13,11,11,11,11,11,
11
360 DATA 16,18,14,21,18,18,1
6,13,9,11,9,9,9,9,9
370 DATA 21,20,18,18,16,13,1
6,16,9,11,13,11,13,14,13,13
380 DATA 21,20,18,18,16,13,1
6,16,9,13,11,9,8,6,4,4
390 DATA 9,11,13,13,13,13,13
,16,16,13,13,11,11,11,11,11
400 DATA 16,18,14,21,18,18,1
6,13,9,11,9,9,9,9,9
```

Here's one for those who like graphics, and those who make a living designing floor tiles. It borrows a bit from a Kenko & Edwards program -

```
100 CALL CLEAR :: F=2 :: BC=
16 :: RANDOMIZE :: DISPLAY A
T(2,10):"ESCHER ART": :TAB(1
4);"by": :TAB(9);"Jim Peters
on"
110 DISPLAY AT(12,3):"Press
Q for new pattern":
R to change colors":
C for new colors": :
Any key to start"
```

```
120 CALL KEY(0,K,S):: IF S=0
THEN 120 ELSE CALL CLEAR
130 DATA 00000000000000000000
00000000000000000000000000
10000000000000000000000000
140 DATA 2020202020202020000
0FF00000000000004040404040
400000000000000000000000
150 DATA 10101010101010000
000FF0000000000000000000000
000000000000000000000000
160 DATA C0C0C0C0C0C0C0C0FFF
F000000000000000303030303030
30000000000000000000000000
170 DATA F0F0F0F0F0F0F0FFF
FFFF0000000000F0F0F0F0F0F0
F0000000000000000000000000
180 DATA 8040201008040201010
204081020408004020100804020
10102040810204080
190 DATA 101020C0000000000000
04030000000000000000003040000
00000000C0201010
200 DATA FFFEFCFBFBFBFBFBFF7
F3F1FBFB703010103070F1F3F7FF
FB0C0E0F0F0CFE0F
210 DATA F0F0F0F00000000000F0
F0F0F00000000000000000F0F0F0
F00000000F0F0F0F0
220 DATA 80C0A090808482FFFF0
2040890A0C00FF4121110905030
```

```
101030509112141FF
230 DATA 8142241818244281814
2241818244281814224181824428
18142241818244281
240 DATA 00000000FF0000000101
01010FF101010101010FF1010101
00000000FF00000000
250 DATA AA55AA55AA55AA555AA
A55AA55AA55AA55AA55AA55AA5
555AA55AA55AA55AA
260 DATA F0F0F0F0F0F0F0F0F0
F0F0FF0F0F0F0F0F0F0F0F0F0
F0F0F0F0FF0F0F0F0
270 CALL CHAR(84,RPT$(" ",64
)): FOR CH=88 TO 140 STEP 4
:: READ CH :: CALL CHAR(CH
,CH):: NEXT CH :: CALL SCRE
EN(5)
280 A=INT(6*RND+3):: H=INT(2
4/A):: HC=INT(28/A):: W=ABS(
HC/2=INT(HC/2)): DIM M(8,8)
:: FOR P=1 TO A
290 D(P)=INT(15*RND+21)*4
300 NEXT P :: GOSUB 370
310 CALL KEY(3,K,ST):: IF K<
>81 THEN 330
320 CALL SOUND(50,500,5):: F
OR J=1 TO 4 :: FOR JJ=1 TO A
:: M$(J,JJ)=" " :: NEXT JJ
: NEXT J :: GOTO 280
330 IF K<>67 THEN 360 :: F=I
NT(15*RND+2)
340 BC=INT(15*RND+2):: IF BC
=F THEN 340
350 FOR S=7 TO 14 :: CALL CO
LOR(S,F,BC):: NEXT S :: GOTO
310
360 IF K<>ASC("R")THEN 310 :
: T=F :: F=BC :: BC=T :: GOT
O 350
370 ON A-2 GOSUB 380,390,400
,410,420,430 :: GOTO 520
380 RESTORE 440 :: RETURN
390 RESTORE 450 :: RETURN
400 RESTORE 460 :: RETURN
410 RESTORE 470 :: RETURN
420 RESTORE 480 :: RETURN
430 RESTORE 500 :: RETURN
440 DATA 1,2,1,2,3,2,3,1,3
450 DATA 1,2,2,1,2,3,3,2,3,4
,4,3,4,1,1,4
460 DATA 1,2,3,1,2,2,3,4,3,2
,3,4,5,4,3,4,5,1,5,4,5,1,2,1
,5
470 DATA 1,2,3,3,2,1,2,3,4,4
,3,2,3,4,5,5,4,3,4,5,6,6,5,4
,5,6,1,1,6,5,6,1,2,2,1,6
480 DATA 1,2,3,4,3,2,1,2,3,4
,5,4,3,2,3,4,5,6,5,4,3,4,5,6
,7,6,5,4
```

```

490 DATA 5,6,7,1,7,6,5,6,7,1
,2,1,7,6,7,1,2,3,2,1,7
500 DATA 1,2,3,4,4,3,2,1,2,3
,4,5,5,4,3,2,3,4,5,6,6,5,4,3
,4,5,6,7,7,6,5,4
510 DATA 5,6,7,8,8,7,6,5,6,7
,8,1,1,8,7,6,7,8,1,2,2,1,8,7
,8,1,2,3,3,2,1,8
520 FOR J=1 TO A :: FOR JJ=1
TO A :: READ M(J,JJ):: NEXT
JJ :: NEXT J
530 X=A+1 :: FOR J=1 TO A ::
FOR JJ=1 TO A :: M$(1,J)=M$(
1,J)&CHR$(D(M(J,JJ)))
540 M$(2,J)=M$(2,J)&CHR$(D(M
(JJ,X-J))+1)
550 M$(3,J)=M$(3,J)&CHR$(D(M
(X-J,X-JJ))+2)
560 M$(4,J)=M$(4,J)&CHR$(D(M
(X-JJ,J))+3)
570 NEXT JJ :: NEXT J
580 CALL CLEAR :: FOR R=1 TO
A#H STEP A :: FOR C=1 TO A#
HC STEP A
590 CALL KEY(0,K,ST):: IF K=
81 THEN 320
600 V=V+1+(V=4)#4 :: FOR T=1
TO A :: DISPLAY AT(R-1+T,C)
:M$(V,T):: NEXT T :: NEXT C
:: V=V+W+(V=4)#4 :: NEXT R
610 RETURN

```

This routine will search a disk file for up to 18 keywords in one pass - more if you DIM K\$( ) - and you may elect to find all records which contain the keyword or only those which contain it in combination with one of 1 or more secondary keywords.

```

100 CALL CLEAR
110 Y=0 :: DISPLAY AT(3,5):"
TIGERCUB KEYSEARCH" :: DISPL
AY AT(6,1):"Filename? DSK" :
: ACCEPT AT(6,14)BEEP:F$ ::
OPEN #1:"DSK"&F$,INPUT
120 DISPLAY AT(8,1):"Output
to:" (1)Screen:" (2)Printe
r:" (3)Both" :: ACCEPT AT(8
,11)VALIDATE("123")SIZE(1)BE
EP:Q
130 IF Q>1 THEN DISPLAY AT(1
3,1):"Printer name?" :: ACCE
PT AT(13,15):P$ :: OPEN #2:P
$
140 DISPLAY AT(15,1):"Search
for:" (1)First match:" (2
)All matches" :: ACCEPT AT(1
5,13)VALIDATE("12")SIZE(1)BE

```

```

EP:S
150 DISPLAY AT(12,1)ERASE AL
L:"Press ENTER when all key-
":"words have been entered."
160 DISPLAY AT(17,1):"Press
ENTER if none -"
170 Y=Y+1 :: DISPLAY AT(15,1
):"Keyword? ";CHR$(127):: AC
CEPT AT(15,10)SIZE(-28)BEEP:
K$(Y):: IF K$(Y)=CHR$(127)TH
EN 190
180 W=W+1 :: DISPLAY AT(19,1
):"With? ";CHR$(127):: ACCEP
T AT(19,7)SIZE(-21)BEEP:W$(Y
,W):: IF W$(Y,W)=CHR$(127)TH
EN W=0 :: GOTO 170 ELSE GOTO
180
190 Y=Y-1
200 LINPUT #1:M$
210 FOR J=1 TO Y :: IF POS(M
$,K$(J),1)=0 THEN 290
220 IF W$(J,1)=CHR$(127)THEN
250
230 W=W+1 :: IF W$(J,W)=CHR$(
127)THEN W=0 :: GOTO 290
240 IF POS(M$,W$(J,W),1)=0 T
HEN 230
250 IF Q>1 THEN PRINT #2:M$
260 IF Q<>2 THEN PRINT M$
270 IF S=1 THEN 310
280 IF W$(J,W)<>CHR$(127)THE
N 230
290 NEXT J
300 IF EOF(1)<>1 THEN 200
310 CLOSE #1 :: DISPLAY AT(2
4,1):"FINISHED - PRESS ANY K
EY" :: CALL SOUND(260,500,5)
320 CALL KEY(0,K,ST):: IF ST
=0 THEN 320 ELSE CALL CLEAR
:: GOTO 110

```

You can set up a keyfile in TI-Writer - just remember that each 80-character line is a separate record, and keep the Alpha Lock down!

However, this is the program that I plan to use to set up a keyfile index of all the newsletters you have sent me, if I ever find the time -

```

100 DISPLAY AT(3,10)ERASE AL
L:"TIGERCUB": " KEYWORD I
NDEX WRITER" !by Jim Peterso
n
110 DISPLAY AT(8,1):"Filenam
e? DSK" :: ACCEPT AT(8,14):F
$ :: OPEN #1:"DSK"&F$,APPEND
:: CALL KEY(3,K,S)

```

```

120 P$="*****" :: Y=00 :: M$
="*" :: P=00
130 DISPLAY AT(12,1):"NEWSLE
TTER? ":P$ :: ACCEPT AT(13,1
)SIZE(-28):P$ :: IF SEG$(P$,
1,3)="END" THEN CLOSE #1 ::
STOP
140 DISPLAY AT(14,1):"YEAR?"
;Y :: ACCEPT AT(14,7)VALIDAT
E(DIGIT)SIZE(-4):Y
150 DISPLAY AT(14,13):"MONTH
? "&M$ :: ACCEPT AT(14,20)SI
ZE(-9):M$
160 DISPLAY AT(16,1):"PAGE?"
;P :: ACCEPT AT(16,7)VALIDAT
E(DIGIT)SIZE(-3):P
170 DISPLAY AT(18,1):"ARTICL
E? " :: ACCEPT AT(19,1):A$
180 DISPLAY AT(20,1):"AUTHOR
?" :: ACCEPT AT(21,1):AU$
190 DISPLAY AT(22,1):"KEYWOR
DS?" :: ACCEPT AT(23,1):K$
200 PRINT #1:P$&" "&STR$(Y)&
" "&M$&" "&STR$(P)&" "&A$&"
"&AU$&" "&K$
210 GOTO 130

```

Here's one to have fun with, from an ingenious German programmer. I just couldn't resist adding a tuba to his band.

```

100 !BY TORSTEN NIEMIETZ, MA
RBACHER WEG 3, D-2800 BREMEN
1, WEST GERMANY
110 FOR J=1 TO 10 :: READ T(
J)
120 NEXT J :: E=330 :: A=440
:: H=494 :: C=554 :: k=659
:: F=740 :: 6=831
130 DISPLAY AT(3,0)ERASE ALL
:"S - O - L - O": :TAB
(10);"MIT OOMPAN": :RPT$("=
,20): : "BY:" TORSTEN NIEM
IETZ": : "mit Oompah by Tiger
cub"
140 DISPLAY AT(18,1):"MAKE U
P YOUR SULO WITH:"KEYS 1 TO
9 ... COME ON !!!"
150 FOR S=1 TO 2 :: CALL SOU
ND(200,E,3,H,3):: CALL SOUND
(200,E,3,H,3)
160 CALL SOUND(200,E,3,C,3):
: CALL SOUND(200,E,3,H,3)::
NEXT S
170 M=E :: N=H :: O=C :: D=8
:: GOSUB 210 :: M=A :: N=K
:: O=F :: D=4 :: GOSUB 210 :
: M=E :: N=H :: O=C :: GOSUB
210 :: M=H :: N=F :: O=6 ::

```

```

D=2
180 GOSUB 210 :: M=A :: N=K
:: O=F :: GOSUB 210 :: M=E :
: N=H :: O=C :: GOSUB 210 ::
M=H :: N=F :: O=6 :: GOSUB
210
190 FOR X=10 TO 3 STEP -1 ::
CALL SOUND(200,E,3,H,3,T(X)
,0)
200 NEXT X :: CALL SOUND(800
,E,3,H,3,K,0):: GOTO 150
210 FOR X=1 TO D :: FOR Y=1
TO 2 :: GOSUB 280
220 CALL SOUND(200,M,3,N,3,T
(R-48-(R=48))#.9375,30,-4,0)
230 NEXT Y :: GOSUB 280
240 CALL SOUND(200,M,3,0,3,T
(R-48-(R=48))#.9375,30,-4,0)
:: GOSUB 280
250 CALL SOUND(200,M,3,N,3,T
(R-48-(R=48))#.9375,30,-4,0)
260 NEXT X :: RETURN
270 DATA 587,659,784,880,980
,1175,1319,1560,1760,44733
280 CALL KEY(0,R,S):: IF S<>
0 AND R>48 AND R<58 THEN RET
URN ELSE R=57 :: RETURN

```

1 !ONE-LINER universal calen-  
dar for day of week of any da-  
te since 1905 - by Dennis H  
odgson in Sydney News Digest  
2 !input day, month, year as  
for instance 30,4,1986  
100 A=1 :: INPUT D,M,Y :: FO  
R T=A TO M-A :: H=M+29+VAL(S  
EG\$("20212122121",T,A)):: NE  
XT T :: J=H+(Y/4<>INT(Y/4)AN  
D M>2)+INT((Y-A)#365.25)+D :  
: PRINT SEG\$("SASUMOTUNETHFR  
", (J-INT(J/7))#7)#2+A,2):: RU  
N

Yes, there are legitimate uses for GRAM copiers and track copiers and such - but there is no way to get these utilities into the hands of the few who will only use them honestly, without also getting them into the hands of the many who will use them as burglar tools. And so, a few more nails are driven into the coffin...

MEMORY FULL

Jim Peterson

HUG LIBRARY CATALOG ADDENDUM  
August 1986

- 0198 VIDEO BOWLING\*\*18**  
A very challenging video bowling game. 49 sectors
- 1080 RLE-CHALLENGER\*\*DF/128 Printer reqd.**  
A logo arm patch of the Challenger mission that can be printed out using Program #1078. 23 sectors
- 1081 RLE-CHRISTIE\*\*DF/128 Printer reqd.**  
A nice picture of Christie Brinkley that can be printed out using Program #1078. 113 sectors
- 1082 RLE-COLBERT\*\*DF/128 Printer reqd.**  
An excellent picture of actress Claudette Colbert that can be printed out using Program #1078. 38 sectors
- 1083 RLE-CORVETTE\*\*DF/128 Printer reqd.**  
A nice printout of a Chevrolet Corvette that can be printed out using Program #1078. 51 sectors
- 1084 RLE-COSBY\*\*DV/80 Printer reqd.**  
A printout of Bill Cosby that can be printed out using Program #1078. 12 sectors
- 1085 RLE-DIETRICH\*\*DF/128 Printer reqd.**  
A printout of actress Marlene Dietrich that can be printed out using Program #1078. 58 sectors
- 1086 RLE-ELVIRA\*\*DV/80 Printer reqd.**  
A very good picture of late night hostess Elvira that can be printed out using Program #1078. 16 sectors
- 1087 RLE-I SPY\*\*DF/128 Printer reqd.**  
A very unusual graphic drawing that can be printed out using Program #1078. 42 sectors
- 1088 RLE-KHADAFI\*\*DF/128 Printer reqd.**  
Excellent picture of Khadafi that can be printed out using Program #1078. 17 sectors
- 1089 RLE-MERLIN\*\*DF/128 Printer reqd.**  
Nice picture of Merlin the Magician that can be printed out using Program #1078. 96 sectors
- 1090 RLE-NATALIE\*\*DF/128 Printer reqd.**  
A pretty picture of a Spanish senorita that can be printed out using Program #1078. 28 sectors
- 1091 RLE-SARA\*\*DF/128 Printer reqd.**  
Nice picture of the former Sara Ferguson that can be printed out using Program #1078. 26 sectors
- 1092 RLE-SHUTTLE\*\*DF/128 Printer reqd.**  
An excellent graphic picture of a space shuttle taking off that can be printed out using Program #1078. 105 sectors
- 1093 RLE-SNOOPY\*\*DF/128 Printer reqd.**  
A cute printout of Snoopy and the Red Baron that can be printed out using Program #1078. 86 sectors
- 1094 RLE-WOOKIE\*\*DF/128 Printer reqd.**  
A picture of a Wookiee that can be printed out using Program #1078. 28 sectors
- 4118 NEW IMPROVED VERSION OF FUNELWEB WRITE (VERSION 3.3)**  
Has all of the features of Funelweb(Program #4118)with many new added features including C-Compiler. Comes complete with docs. Over 700 sectors.  
**REQUIRES 1 DSSD DISK OR 2 SSSD DISKS.**

- 4179 HUG TIBBS ON DISK\*\* XB**  
A fine program by Bill Knecht that allows users without modems to enjoy our own HUG TIBBS. 348 sectors
- 4180 DISKLIST\*\*XB**  
A disk catalog program that displays in multi-colors. 5 sectors
- 4181 COMPSORT\*\*XB**  
This program has several examples of various sort routines on the TI. 16 sectors
- 4182 CHANGE TO 0\*\*XB**  
A program that will add line 0 to your programs. 4 sectors
- 4183 PRINT\*\*XB Printer required**  
A file print utility with many options including: multi-columns, screen display and others. 16 sectors
- 4184 ARCHIVER\*\*EA/5**  
A program by Barry Traver that will convert several files into one for uploading or downloading on systems such as GENIE. 32 sectors
- 4185 BUG FIXER W/DOCS\*\*EA/3**  
A nice disassembler program. P/N is BFIX. 52 sectors
- 4186 COMBINER\*\*EA/3**  
A program very similar to Program #4184. This is a "Freeware" program by Nick Iacovelli. This program will not run on Myarc systems. Great for using on bulletin boards such as GENIE. P/N is START. 39 sectors
- 4187 MEMORY MAP\*\*DV/80 Printer reqd.**  
This program uses the FF command in TI-writer to print out the most complete memory-map known for the TI. 87 sectors
- 4188 TID\*\*EA/5**  
This is a mass transfer program that uses the functions of Fast Term. Comes with complete documentation. 73 sectors
- 4189 SOLUTION\*\*DV/80 Printer recommended**  
This is the solution to Scott Adam's "Return to Pirate's Isle". Written by Joe Waters and Barry Boone. 26 sectors
- 4190 PR BASE\*\*XB Printer recommended**  
A "Fairware" program written by William Warren. This is a super fast data base program. Comes with full documentation. 650 sectors
- 5240 BATTLING BYTES\*\*XB**  
Excellent graphics set to the tune of "Dueling Banjos". 49 sectors
- 5241 GREAT EXPECTATIONS\*\*XB**  
A nice version of the KISS hit song "Great Expectations". Written by Gregory Rashall. 27 Sectors



TI HOUSTON USERS GROUP

TI-99/4A

MEMBERSHIP APPLICATION

Please fill out completely:

Date \_\_\_\_\_

NAME \_\_\_\_\_ AGE: 18 OR YOUNGER  OVER 18 YEARS   
ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
TELEPHONE: AREA CODE (\_\_\_\_) DAY \_\_\_\_\_ EVENING \_\_\_\_\_  
OCCUPATION \_\_\_\_\_

How did you hear about HUG? FRIEND  BULLETIN BOARD  NEWSPAPER   
DEALER  OTHER \_\_\_\_\_

What computers do you own? TI-99/4A  TI-99/4  OTHER \_\_\_\_\_  
How long have you had your computer? \_\_\_\_\_

For what purposes do you use your computer? PERSONAL  BUSINESS  GAMES   
EDUCATION  OTHER \_\_\_\_\_

Are you interested in programming? \_\_\_\_\_  
If so, what languages can you now use? \_\_\_\_\_

What peripherals do you own? CASSETTE RECORDER  DISK  HOW MANY DRIVES   
MEMORY EXPANSION  PRINTER  BRAND/MODEL \_\_\_\_\_  
MODEM  RS-232  P-CODE  SPEECH SYNTHESIZER   
OTHER \_\_\_\_\_

What software do you have? MULTIPLAN  EDITOR/ASSEMBLER  FORTH   
LOGO  PLATO  PASCAL  EXTENDED BASIC

Do you have a word processor? TI-WRITER  OTHER \_\_\_\_\_  
What Special Interest Groups (SIG'S) would you like to participate in?  
(see letter) / \_\_\_\_\_ / \_\_\_\_\_

Can you help our organization? (HOLD OFFICE, WORK ON A COMMITTEE,  
WRITE ARTICLES FOR THE NEWSLETTER, TEACH AT A SIG?)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please indicate any specific interests or suggestions you have \_\_\_\_\_  
\_\_\_\_\_  
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Please enclose payment (Check or money order) - TO: "HOUSTON USERS GROUP"  
NEW MEMBERSHIP: (US) \$25.00  (CANADA) \$28.00  (FOREIGN) \$33.00

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