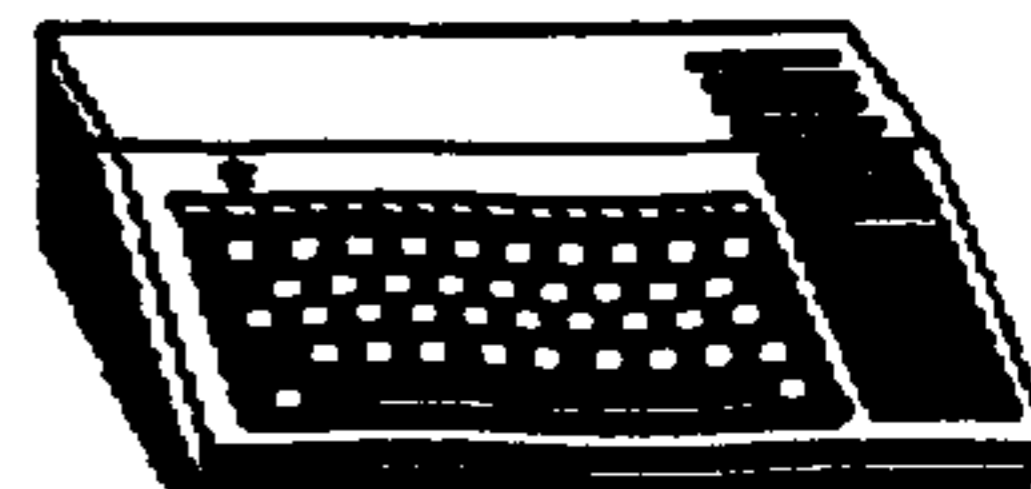




# CLEVELAND AREA

## TI-99/4A

### USER GROUPS



MAY 1994  
(April)

OFFICE	TI-CHIPS	MEETINGS
CO-PRESIDENT	Glenn Bernasek 238-6335	10-12:00 A.M.
CO-PRESIDENT	Virgil Thomson 1264-7779	N. Royalton
TREASURER	Lin Shan 235-3912	County Library
MEMBERSHIP	John Parken 331-2830 4172 N. 217th St. Fairview Pk., OH 44126	State Rd. 80. of Route 82 1/4mi EVERY THIRD SAT.
SECRETARY	(Harry is temporary) for Chris	
DISK LIBRARY	Les Kee 238-6938	APR 16, 1994
TAPE & MDDS	John Parken 331-2830	MAY 21, 1994
HARD COPY	Harry Hoffman 631-2354	JUN 18, 1994

OFFICE	NORTHCOAST	MEETINGS
CO-PRESIDENT	Ken Gladyszewski 1357-7274	1-4 P.M.
CO-PRESIDENT	Matt Ryder 921-8223	Euclidian Room
Treasurer	Frank Jenkins 283-8526	Euclid 80. Mall
MEMBERSHIP	Martin Sooley 1-257-1661 6149 Bryson Renton, OH 44060	E.260th off I-90 (South) EVERY THIRD SAT.
SECRETARY	Deanna Sheridan 333-5986	
DISK LIBRARY	Martin Sooley 1-257-1661	APR 16, 1994
TAPE & MDDS	Frank Jenkins 283-8526	MAY 21, 1994
HARD COPY	Dick Alden 1-352-9172	JUN 18, 1994



### From the Editor's Desk:



Hi Tiers,

When will winter be over? April 6th and still cleaning snow off the car! Well, there is good news and bad. First, the bad news is that Bud Mills cannot attend our meetings this month due to unforeseen circumstances. But, the good news is that he is sending us a video in his place so we will be updated on the new product.(SCSI) Also, there will be some NEW items for sale at the meeting!

The MICROpendium has great stuff, as usual! Two articles by Glenn Bernaset... one in the user section and his trouble shooting guide & LED's. Nice going Glenn. Charles Good reviewed Chris Bodenmiller's 'Mexican UFO's' game. Very favorable report!! He also mentions our resident vendor, Ron Markus. Cleveland is well represented in the MICROpendium!

In the last newsletter, the Library Update has a couple of errors on the last two listed disks. I'll put a

directory catalog on another page. Sorry for any inconvenience to Les Isrcal & Les Kee who searched all the disks for the Hamfest list. I have this list, but only published 'Fests' relevant to the next few months, because these had more info on who, when, and where!

Look in this issue (pages 2-4) for Deanna's article on printing out an overlay strip, plus the program for same. Pages 5&6 are Marty's continuing of last month's article on 'What's on that Disk?'. He gave me more stuff that you will see next month! (An editor's dream!). Pages 7&8 are the minutes of last month's meetings. Page 9 is 'A Woman's View' by my lovely wife, Nina.

On the last page is the directories of the last two disks of the March Library Update.

I hope everyone had a beautiful Easter weekend and enjoyed a good dinner with their families.

See you all at the next meeting! Happy TI'ing,  
Harry.



**OVERLAY STRIPS**  
**DEANNA SHERIDAN - NORTHCOAST 99ERS - CLEVELAND, OHIO**  
**FEBRUARY 28, 1994**

**OVERLAY STRIP DESIGNER**

1	2	3	4	5	6	7	8	9	0	=	

01	TI WRITER	06	TELETYPE
02	MULTIPLIER	07	TELETYPE
03	TI ARTIST	08	TELETYPE
04	TI ARTIST	09	TELETYPE
05	GRAPHIX	10	TELETYPE
			1200
			TERM

I was going through some of my old disks to consolidate and clean them up when I ran across a program that might be useful to some of you who have lost your "cheat" strips for your favorite TI programs, or need some for the newer programs.

When I loaded the program, I thought it would be nice to illustrate it with some of the screens. This brought me back to a program I purchased many many years ago from Quality 99 Software called "SDump". I had a rough time finding it and worried that somehow it had gotten lost. You see, this was way back when protected programs were all the rage, and I couldn't even make a backup copy for myself. If you try to catalog the disk, there is nothing on it. Well, I finally found it, fired it up, and it did the job nicely.

As you can see from the following illustration, you can design a custom overlay or print one from a predesigned list.

**OVERLAY STRIP DESIGNER**

1	2	3	4	5	6	7	8	9	0	=	

- |                      |
|----------------------|
| 1 > DESIGN OVERLAY   |
| 2 > SELECT FROM LIST |
| 3 > EXIT PROGRAM     |

CHOICE: 1

The next screen will give you a list from which to choose to print one of the ten pre-designed strips.

**OVERLAY STRIP DESIGNER**

1	2	3	4	5	6	7	8	9	0	=	

<b>SPECIAL GRAPHICS KEYS</b>	
FCTN R: ↑	FCTN T: ↓
FCTN F: ←	FCTN G: →

<CTRL 1>: \_\_\_\_\_  
 TEXT WILL BE AUTO-CENTERED

**CHOICE: ■**

The sample provided at the end of this article is for TI Artist. The strip is printed in condensed print in two sections which will need to be pasted together. Many people now have available laminating machines either at work or through other sources. A good substitute would be to cover with clear adhesive tape. Not as sturdy, but acceptable.

Lastly, if you want to create your own strip, it is menu driven and extremely simple. Each block of the overlay will be indicated in color and you will be prompted to type in the function command and a description. It then prints the strip. It gave me no provision for saving my new strip to print at another time. As with most Extended Basic programs, I believe this program could be modified very easily to add additional strips. In looking at the program listing, the pre-defined strips are stored in data statements. It would be very easy to add additional data statements for your customized strip and change the menu part of the program to contain same.

I have included the listing with this article. I used to like to type in programs because it was a learning tool to see how they worked. We have become users instead of doers and need to challenge ourselves to again make the machine work for us.



```

10 ! OVERLAYER (8507.20)
-----
20 ! BY MIKE DEFRANK
-----
30 ! 4374 NW 9TH AVE
    POMPANO BEACH, FL 33064
-----
40 ! (305)-946-2724
-----
50 ! OVERLAY STRIP GENERATOR
    FOR THE GEMINI 10-X PRINTER
-----
60 DEVICES="PIO" :: DIM CTRL
    $(12),FCTNS$(12)
-----
70 GOSUB 200 ! SETUP SCREEN
-----
80 !MAIN CONTROL LOOP
-----
85 DISPLAY AT(10,4):"
    " 1) D
    ESIGN OVERLAY " : "
    " : "
-----
90 DISPLAY AT(14,4):" 2) SE
    LECT FROM LIST " : "
    " : "
-----
95 DISPLAY AT(17,4):" 3) EX
    IT PROGRAM " : "
    " : "
-----
100 CALL SOUND(-5,1800,1)::
    DISPLAY AT(22,2):"CHOICE: 1"
    :: ACCEPT AT(22,10)VALIDATE
    ("123")SIZE(-1):$$ :: IF $$=
    " THEN 100
-----
110 IF $$="3" THEN CALL CLEA
    R :: END ELSE CALL HCHAR(10,
    1,32,480)
-----
120 IF $$="2" THEN 140
-----
130 GOSUB 300 :: GOTO 150 !
    DESIGN
-----
140 GOSUB 400 ! SELECT
-----
150 GOSUB 600 ! SET PRINTER
-----
160 POINTER=1 :: GOSUB 700 !
    PRINT 1ST HALF OF OVERLAY
-----
170 POINTER=7 :: GOSUB 700 !
    PRINT 2ND HALF OF OVERLAY
-----
180 GOSUB 1000 ! RESET PRINT
    ER
-----
190 GOTO 80
-----
200 !SECTION A: SET SCREEN
-----
210 CALL DELSPRITE(ALL):: CA
    LL CLEAR :: CALL SCREEN(15):
    : CALL COLOR(13,5,1):: CALL
    MAGNIFY(3)
-----
220 CALL CHAR(91,"00102844EE
    282838",93,"00382828EE442810
    " 123,"0010305E825E3010" 125
    "001018F482P41810")! SPECIA
    L GRAPHICS
-----
230 AS=RPTS("08" 7):: CALL C
    HAR(128,"OP"AS,129,"FF" 130
    "FF"AS,131,"F8080808080808
    08" 132,"OP" 133,"F8" 134,"0
    8"AS)! OVERLAY GRAPHICS
-----
240 CALL CHAR(136,"00006E848
    4640000"&"0000E688C8860000"&
    "0000E8A8C8AE0000"&"0000EA4E
    4E4A0000")! SPRITE WORD GRAP
    HICS
-----
250 CALL CHAR(140,"00FFFFFF
    FFFFFFF"&RPTS("00" 8)&"00FEF
    EFEFEFEFEFE"&RPTS("00" 8))!
    SPRITE BOX GRAPHICS
-----
260 DISPLAY AT(2,4):"OVERLAY
    STRIP DESIGNER"
-----
270 DISPLAY AT(4,2):"
    " : "
    " : "
    1 2 3 4 5 6 7 8 9 0 ="
-----
280 CALL SPRITE(#1,136,5,25,
    211)! SPRITE WORDS
-----
290 RETURN
-----
300 !SECTION B: DESIGN
-----
310 CALL COLOR(0,8,5):: R,R1
    =25 :: R2=33 :: A,CNT=0 :: R
    ESTORE 450
-----
320 DISPLAY AT(10,2):"
    " SPE
    CIAL GRAPHICS KEYS " : "
    " : "
-----
324 DISPLAY AT(14,2):" FCTN
    R: { FCTN T: " : "
    " : "
-----
326 DISPLAY AT(17,2):" FCTN
    F: { FCTN G: " : "
    " : "
-----
330 DISPLAY AT(23,12):"
    " : " TEXT WILL BE AUTO
    -CENTERED"
-----
340 CNT=cnt+1 :: IF CNT=12 :
    HEN R=R2 :: RESTORE 450 :: C
    NT=1
-----
350 CALL SPRITE(#2,140,CNT+2
    ,R,14+(CNT*16)):: READ BS ::
    IF R=R1 THEN AS="(CTRL" ELS
    E AS="(FCTN"
-----
360 CALL SOUND(-5,1800,1)::
    DISPLAY AT(22,2):AS&" "&BS&"
    " : " : ACCEPT AT(22,12)SIZE(
    12):$$
-----
370 BOXSIZ=12 :: GOSUB 500
    :: IF R=R1 THEN CTRL$(CNT)=S
    $ ELSE PCTN$(CNT)=S$
-----
380 IF R=R2 AND CNT=11 THEN
    DISPLAY AT(23,8):"
    :: GOTO 390 ELSE 340
-----
390 A=A+1 :: IF A=1 THEN AS=
    "CTRL" ELSE AS="FCTN"
-----
400 CALL SPRITE(#2,140,16,17
    +(A*8),211)
-----
410 CALL SOUND(-5,1800,1)::
    DISPLAY AT(22,2):"TEXT: "&AS
    :: ACCEPT AT(22,08)SIZE(-09
    ):S$
-----
420 BOXSIZ=09 :: GOSUB 500
-----
430 IF A=1 THEN CTRL$(12)=S$
    :: GOTO 390
-----
440 PCTN$(12)=S$ :: CALL HCH
    AR(10,1,32,480):: CALL DELSP
    RITE(#2):: RETURN
-----
450 DATA 1,2,3,4,5,6,7,8,9,0
    ,=,XXX
-----
500 !SECTION C: FORMAT TEXT
    STRINGS
-----
510 N=POS(S$, " ",1):: IF N T
    HEN S$=SEGS(S$,1,N-1)&CHR$(1
    64)&SEGS(S$,N+1,LEN(S$)-N)::
    GOTO 500
-----
520 N=POS(S$, " ",1):: IF N T
    HEN S$=SEGS(S$,1,N-1)&CHR$(1
    65)&SEGS(S$,N+1,LEN(S$)-N)::
    GOTO 500
-----
530 N=POS(S$, " ",1):: IF N T
    HEN S$=SEGS(S$,1,N-1)&CHR$(1
    66)&SEGS(S$,N+1,LEN(S$)-N)::
    GOTO 500
-----
540 N=POS(S$, " ",1):: IF N T
    HEN S$=SEGS(S$,1,N-1)&CHR$(1
    67)&SEGS(S$,N+1,LEN(S$)-N)::
    GOTO 500
-----
580 N=INT((BOXSIZ-LEN(S$))/
    2):: S$=RPTS(" ",N)&S&RPTS(
    " ",BOXSIZ-(LEN(S$)+N))&" "
-----
590 RETURN
-----
600 !SECTION D: SET PRINTER
-----
610 CALL COLOR(0,5,1)
-----
620 CALL SOUND(-5,1800,1)::
    DISPLAY AT(22,2):"PRINTER DE
    VICE NAME: " >"&DEVICES$ ::
    ACCEPT AT(23,3)SIZE(-25):DEV
    ICES$
-----
630 ON ERROR 900 :: OPEN #1:
    DEVICES$
-----
640 ON ERROR STOP
-----
660 PRINT #1:CHR$(27)&CHR$(6
    5)&CHR$(6)! SET LINEFEED SPA
    CING TO 6/72
-----
670 PRINT #1:CHR$(15)! SET C
    ONDENSED PRINT MODE
-----
680 PRINT #1:CHR$(27)&CHR$(7
    1)! SET DOUBLE STRIKE MODE
-----
690 RETURN
-----
700 !SECTION E: PRINT HALF O
    F OVERLAY
-----
710 DISPLAY AT(19,2):" STATU
    S: PRINTING OVERLAY"
-----
720 PRINT #1:RPTS(CHR$(10),3
    )! ADVANCE PAPER 3 LINES
-----
730 ! PRINT TOP ROW
-----
740 IF POINTER=7 THEN A=9 EL
    SE A=12
-----
750 PRINT #1:CHR$(43)&RPTS(R
    PTS(CHR$(45),12)&CHR$(43),5)
    &RPTS(CHR$(45),A)&CHR$(43)
-----
760 ! PRINT CTRL ROW
-----
770 PRINT #1:"|";: FOR B=PO
    INTER TO POINTER+5 :: PRINT
    #1:CTRL$(B);: NEXT B
-----
780 ! PRINT DIVIDER LINE
-----
790 IF POINTER=7 THEN 810
-----
800 PRINT #1:"|"&RPTS(RPTS(C
    HR$(45),12)&CHR$(43),5)&RPTS
    (CHR$(45),12)&CHR$(43):: GOT
    O 820
-----
810 PRINT #1:CHR$(43)&RPTS(R
    PTS(CHR$(45),12)&CHR$(43),4)
    &RPTS(CHR$(45),12)&CHR$(43)&
    RPTS(CHR$(32),09)&"|
-----
820 ! PRINT FCTN ROW
-----
830 PRINT #1:"|";: FOR B=PO
    INTER TO POINTER+5 :: PRINT
    #1:FCTN$(B);: NEXT B
-----
840 !PRINT BOTTOM OF OVERLAY
-----
850 PRINT #1:CHR$(43)&RPTS(R
    PTS(CHR$(45),12)&CHR$(43),5)
    &RPTS(CHR$(45),A)&CHR$(43)
-----
860 RETURN
-----
900 !SECTION F: ERROR MSG
-----
910 DISPLAY AT(19,2)BEEP:"DE
    VICE ERROR - PRESS ENTER"
-----
920 CALL KEY(0,K,S):: IF S=0
    THEN 920

```

```

930 IF K<>13 THEN 920
-----
940 DISPLAY AT(19,1):" " :: R
ETURN 620
-----
1000 !SECTION G: RESET PRINT
ER
-----
1010 PRINT #1:CHR$(27)&CHR$(
64)
-----
1020 CALL HCHAR(19,1,32,192)
-----
1030 CLOSE #1 :: RETURN
-----
4000 !SECTION H: SELECT
-----
4005 ON WARNING NEXT
-----
4010 DISPLAY AT(10,1):"
01 T
I WRITER 06 TE 1200 02 M
ULTIPLAN 07 TE-II 03 T
I FORTH 08 FASTTERM "
-----
4020 DISPLAY AT(14,1):"04 T
I ARTIST 09 BASIC 05 G
RAPHX 10 ED/AS
"
-----
4030 DISPLAY AT(17,1):"
"
-----
4040 CALL SOUND(-5,1800,1)::
DISPLAY AT(22,2):"CHOICE:"
:: ACCEPT AT(22,10)VALIDATE(
DIGIT)SIZE(2):S :: IF S<1 OR
S>10 THEN 4040
-----
4050 ON S GOTO 4060,4070,408
0,4090,4100,4110,4120,4130,4
140,4150
-----
4060 RESTORE 5000 :: GOTO 42
00
-----
4070 RESTORE 5010 :: GOTO 42
00
-----
4080 RESTORE 5020 :: GOTO 42
00
-----
4090 RESTORE 5030 :: GOTO 42
00
-----
4100 RESTORE 5040 :: GOTO 42
00
-----
4110 RESTORE 5050 :: GOTO 42
00
-----
4120 RESTORE 5060 :: GOTO 42
00
-----
4130 RESTORE 5070 :: GOTO 42
00
-----
4140 RESTORE 5080 :: GOTO 42
00
-----
4150 RESTORE 5090 :: GOTO 42
00
-----
4200 DISPLAY AT(19,2):"STATU
S: GENERATING OVERLAY"
-----
4210 FOR A=1 TO 2 :: FOR B=1
TO 12
-----
4220 CALL SOUND(-5,1800,1)::
CALL SPRITE(#2,140,B+2,(A*8
)+17,14+(B*16))
-----
4230 READ S$ :: IF B=12 THEN
BOXSIZE=09 ELSE BOXSIZE=12
-----
4240 GOSUB 500 :: IF A=1 THE
N CTRL$(B)=S$ ELSE FCTN$(B)=
S$
-----
4250 NEXT B :: NEXT A
-----
4260 CALL DELSPRITE(#2):: CA
LL HCHAR(10,1,32,480):: RETU
RN
-----
5000 DATA OOPS! REFORMAT, SCR
EEN COLOR, NEXT PARAGR, DUPE
LINE, LAST PARAGR, WORD TAB, N
EW PARAGR, NEW PAGE, WORD WRA
P, , TI
-----
5005 DATA DELETE CHAR, INSERT
CHAR, DELETE LINE, ROLL DOWN
, NEXT WINDOW, ROLL UP , TAB
INSERT LINE, COMMAND/ESC, LIN
E NUMBERS, QUIT, WRITER
-----
5010 DATA HOME, TAB, NXT UNL C
ELL, FORWARD CHAR, FORWARD WOR
D, CHNGE WINDOW, REL/ABS REF, ,
, CANCEL, MULTI
-----
5015 DATA LOWER RIGHT, , BACK
CHAR, BACK WORD, HELP, RECALL
, BACKSPACE, DEL FORWARD, , PLAN
-----
5020 DATA , , , , , INSERT LINE
, , , , , TI
-----
5025 DATA DELETE CHAR, INSERT
CHAR, ERASE LINE, FORWARD SCR
TAB , BACK SCR, BUFFER IN, BU
FFER OUT, ESCAPE, , QUIT, FORTH
-----
5030 DATA A)CLEAR I. , B)CLEAR
C. , C)INPUT D. , D)DRAW, E)ALPH
A N. , F)FILL, H)H OR V. , I)INVER
T, K)K-LINE, L)LINE, M)MIRROR, T
I
-----
5035 DATA N)SWAP, O)CIRCLE, P)
POINT, Q)DISC, R)RAYS, S)STORE,
V)FRAME, X)BOX, Z)ZOOM, FCTN .}
PEN, FCTN ;}SPEED, ARTIST
-----
5040 DATA , , , , , , , , , , , GRAPHX
-----
5045 DATA SLOWER, FASTER, DRAW
TOGGLE, ERASE TOGGLE, NO HELP
, ZOOM TOGGLE, COLOR MENU, LINE
MODE, CIRCLE MODE, COPY MENU,
MAIN MENU,
-----
5050 DATA RESTART, CANCEL, LO
G ON, LOG OFF, TRANSFER, , , , T
E 1200
-----
5055 DATA , , , , , , , , , , , QUIT,
-----
5060 DATA SPEAK, OUTPUT, CANCE
L, TRANSFER, WRAP TOGGLE, CASE
TOGGLE, PAGE, , , , EXIT, , TE-II
-----
5065 DATA ^G)BELL, ^H)BACKSPA
CE, ^J)LINEFEED, ^L)FORM FEED,
^_){ESCAPE, ^/){BREAK, ^O){X-ON, ^
S){X-OFF, ^FCN V){DELETE, QUIT,
-----
5070 DATA MODEM BAUD, SPOOL T
OGGLE, MODEM PARITY, MODEM POR
T, PRNTR PARITY, PRNTR PORT, PR
NTR BAUD, , , 40/80 TOGGLE, QUIT
, FAST
-----
5075 DATA DELETE, ^T, ^N, BREAK
, WINDOW , ^E, FORE COLOR, BACK
COLOR, , PAGE TOGGLE, QUIT, TER
M
-----
5080 DATA , , , , , , , , , , , BASIC
-----
5085 DATA DELETE, INSERT, ERAS
E, BREAK, BEGIN, PROCEED, AID, RE
DO, BACK, , QUIT,
-----
5090 DATA DELETE CHAR, INSERT
CHAR, ERASE LINE, ROLL UP, NE
XT WINDOW, ROLL DOWN, TAB, IN
SFRT LINE, ESCAPE, , QUIT, EDITO
R
-----
5095 DATA DELETE, INSERT, ERAS
E, BREAK, BEGIN, PROCEED, AID, RE
DO, BACK, , QUIT, ASSEMBLER

```

A'CLEAR I.	B'CLEAR C.	C'INPUT D.	D'DRAW	E'ALPHA N.	F'FILL
N'SWAP	O'CIRCLE	P'POINT	Q'DISC	R'RAYS	S'STORE

H'OR V	I'INVERT	K'K-LINE	L'LINE	M'MIRROR	TI
V'FRAME	X'BOX	Z'ZOOM	PCTN . 'PEN	PCTN ; 'SPEED	ARTIST



By Martin A. Smoley © Feb. 21, 1994

6149 Bryson Drive, Mentor, Ohio 44060-2324

# What's on that disk?

[ Page 2 ]

EXT-7/9/88 Filename	Free Size	235 Type/No	Used 60	1205 P
1PRNT_EMPH	2	DIS/VAR	80	U
7/20/86SX1	34	PROGRAM		U
7/20/86SX2	34	PROGRAM		U
7/20/86SX3	34	PROGRAM		U
7/20/86SXB	34	PROGRAM		U
AT-ADRS	3	PROGRAM	BX	U
CAL-LBP8	37	PROGRAM	BX	U
CFG814	27	PROGRAM	EA	U
CHARA1	5	PROGRAM		U
CNTRLCNVRT	6	DIS/VAR	80	U
CNVRTBACK	3	DIS/VAR	80	U
DEMO1OBJ	28	DIS/FIX	80	U
DEMODOC	42	DIS/VAR	80	U
DISKLIB4/C	9	DIS/VAR	80	U
DISKLIB4/D	34	INT/FIX	104	U
DISKLIB4/S	3	INT/FIX	255	U
FILEREADER	63	INT/VAR	254	U
HEX/DEC	5	PROGRAM	BX	P
LOAD	31	PROGRAM	BX	U
MAIL/TI-87	32	PROGRAM	BX	U
MANAGER	98	PROGRAM		P
MAS-ADRS	3	PROGRAM	BX	U
MENU	29	PROGRAM	EA	U
MG	33	PROGRAM	EA	U
MH	31	PROGRAM	EA	U
MS-ADRS	3	PROGRAM	BX	U
NEW/SYS/2	34	PROGRAM		U
NO/DR/EXB	2	PROGRAM	BX	U
QUICK/CATP	11	PROGRAM	BX	P
README4/89	38	DIS/VAR	80	U
ROS10/8/93	33	PROGRAM		U
SYSCON	6	PROGRAM		U
TAGS_NOCO	97	INT/FIX	150	U
TLS	3	DIS/VAR	80	P
XBFUNCT	11	DIS/VAR	163	U

This is a continuation from last month. You may need to read the pages consecutively to understand me. "On the other hand, some people say it is impossible to understand me anyway." I have added BX and EA to the Dir listing below to represent what you would see if the listing were made with the SD function of FunnelWeb. Comparing this listing to last month's should make this self evident. Last month while discussing DIS/FIX 80 files that were actually EA Option 3 programs, I said, "If there's no documentation or you are not familiar with an EA program, don't run it. It could wipe out your RAM Disk, etc." That's true, but if you don't have a RAM Disk and you put a write protect tab on this disk, go ahead, knock yourself out. You can't hurt anything and you might learn something. Also, it doesn't mean you should erase an unknown file from a disk. One of these DIS/FIX 80 files might be needed by some other program as a "CALL LOAD" from XB or from some other EA program. Therefore, if it comes on a library disk, just leave it there until you completely understand the software. This is another good reason to always work from a copy and not your original disk.

Files 7/20/86SX1 through 7/20/86SXB are also EA programs. You will find many different files with a designation in the TYPE column as PROGRAM. In most cases PROGRAM files will be Basic or Extended Basic programs. When they are not, you need to recognize some signs to help determine what they are. Files 7/20/86SX1 through SXB are Gram Kracker EA files, and have their own characteristics. First, SD doesn't know what they are, (there is no marking in the column where BX and EA are found), this means they are probably special, in some way. Next, there are several filenames that appear to run in succession, 7/20/86SX1, SX2, SX3 and SXB. Many times this will be a sign that several EA files will be loaded, one after the other. The last and biggest road sign in this group is recognized by GK or P-Gram owners as a size of 34. 34 sectors was chosen many years ago by Miller Graphics as the file size for their Gram Kracker disk files. Because the maximum size of normal EA files is 33, a program file of this appearance (looks like EA, but with a size of 34 sectors), is probably Gram Kracker or P-Gram. The bad news is that under normal conditions you cannot use these files without a GK or P-Gram type device. We have quite a few disks in our disk library that are noted as Gram Kracker required software. If you notice this as you browse for software, be forewarned, you may not be able to access these programs.

More conventional EA program files would be MG and MH. These are my DM-1000 or Disk Manager files. You see by the EA next to the PROGRAM that SD recognizes these as EA programs. They are also distinguishable by their filename progression of G and H, and the file sizes of 33 and 31 sectors. This is classic EA option 5. You can plug in your EA cartridge, select Option 5, type DSK1.MG and press enter. This type of a program can also be run from Option 3 of the TI-Writer cartridge. After selecting (TIW) Opt 3, replace UTIL1 with MG and press enter. After MG is loaded MH, will also be loaded and the program will automatically start and run.

Good luck TI'ers.

*Marty.*

By Martin A. Smoley © Feb. 27, 1994

6149 Bryson Drive, Mentor, Ohio 44060-2324

## What's on that disk? [ Page 3 ]

Many times the author of Assembly Language programs will create a loader to automatically load and run the software in the disk. You may also use a menu type program to load and run EA programs.

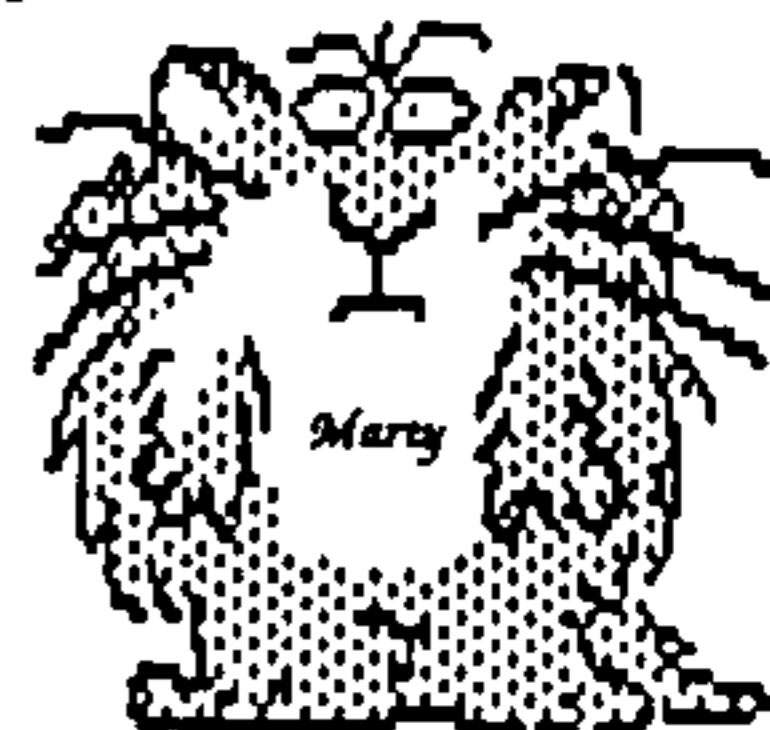
LOAD programs; I hope you are all familiar with the fact that when you select Extended Basic (from the TI's menu screen), that your TI will search for a file named LOAD on drive number one, and if it finds LOAD, it will run it automatically. The load file can be all XB, or it can be a hybrid XB and EA program. On the disk represented in this article, LOAD does several things for me, and then it loads the EA program named MENU. "MENU is an EA Option 5, PROGRAM file, but it could have also been a DIS/FIX 80 Option 3 file, like DEMO1OBJ." MENU is an EA menu program which I set up to allow me to run any of the runnable programs on this disk. We have Menu or Boot in the library and either of these programs are very handy to have. Boot will determine the type of most programs and run them from a simple number selection, while using the Extended Basic cartridge. I recommend that everyone get a copy of Boot, read the Docs for Boot and learn how to use it. Boot will save you considerable time and effort when running strange new programs.

Basic/Extended Basic; When you encounter a program that could be Basic or Extended Basic, (BX for short), try XB first. I say this only because today XB programs are more common than Basic programs. Start with OLD DSKn.filename or OLD DSK1.HEX/DEC, if you were looking at my demo disk. After pressing enter, watch your system for error messages and to see if there is any abnormal drive operation. If you get an error message with XB, try the same thing with Basic. If the drive rattles around a bunch, the program could be something other than XB, or it could be fragmented to the point of losing bytes. If the program loads without any errors, I list it for a look at what I have loaded. Many times an author will place instructions at the beginning of the program for users to read.

Simply typing LIST and pressing enter will list program to the screen. As the program scrolls up screen, holding or pressing the spacebar will stop the scroll, while you look at it, and pressing the spacebar again will restart the scroll. I not only look for instructions, I also look for CALL LOAD statements, OPEN #1:"PIO", OPEN #1:"RS232", OPEN #6:"DSK3.file", etc. You must be familiar with your system. If a program issues a CALL LOAD or OPEN file from a drive you do not have or a filename that doesn't exist, you will get an error. Also, if your printer is "PIO" and the program uses "RS232", you will need to know this and how to change the program to match your system. I'm sorry to say that I can't explain all that stuff right now. If a program looks like trouble and it's not too large (HEX/DEC is only 5 sectors), I print it out with LIST "PIO" <E>. "<E> means press Enter". If it's a long program and there are Docs at the beginning I might use LIST "PIO": -50 <E>. This will print the lines up to and including 50. LIST "PIO": 100- <E> will print lines 100 through the end of the program and LIST "PIO": 50-100 <E>, will print lines 50 through 100. If you just don't care about all that, type RUN <E> and see what happens. If the program doesn't run, you can go back and try all the stuff I just described. If it starts to RUN, watch for errors and the drives. The program might look for files or disks that don't exist. If so, the program will stop with an error message and you will have to LIST the program and fix the problem.

Very large XB programs (50 sectors or more), are turned into INT/VAR 254 files by the TI. FILEREADER could be a data file, but it is an XB program. Because there is no easy way to look at or check out these odd files (FWb, etc.), the quickest plan is OLD DSK1.FILEREADER <E>. If it loads, you are on your way.

DIS/VAR 163 files can be data files, but they are probably XB programs in MERGE format. This would be a small program written for the purpose of adding it to another program. After writing this small program, or subprogram, you save it with SAVE DSK1.filename, MERGE <E>. You load it with MERGE DSK1.filename <E>. After the program loads you can do all the stuff above, LIST, LIST "PIO", etc. Merge stuff is a little tricky because it will merge into a program you may still have in memory. If the line numbers are the same, the incoming file will replace the old lines. Also, a subprogram may not RUN properly by itself. I would print out the program and see where it might be usable in another program.



Good luck TI'ers.



Date: Fri Mar 25 14:43:00 1994

From: S1111965@cedarnet.cedarville.edu ( "TIMOTHY CHRISTOPHER BODENMILLER" )

Subject: TI-Chip's Minutes

To: cz429@cleveland.Freenet.Edu

The meeting was called to order at 10 :05 with 16 members and one guest present. Mrs. Jody Haven was our guest, she is the one who had helped Virgil with the cemetery record keeping system. She is also the editor for the Knights of Columbus newsletter, and owns her own business. She had come to speak to us on the subject of Dos support.

Lin reports that the treasury is doing fine. The bank account is getting ready to be moved. Also, Virgil would like to encourage people to renew their memberships and continue supporting the club.

Les gave the disk library report, he has received several new disks to add to the library, and is trying to get a copy of the library catalog for our new member Fred. We have an excellent library, and I encourage members to take advantage of this opportunity for an excellent deal on software. I believe that it only costs members \$1:00 a disk for anything from our library.

Now on to MS-DOS support. While we wish to maintain the integrity of our club, and keep supporting the TI, there is also a current movement to see how we can help out the DOS users in our midst. Because so many of us use DOS computers in one fashion or another, we are considering several options to add some amount of DOS help to our club. During the Shop, Tutor, Fix-it time, many of our users have been seen in the past asking friends questions relating to their Dos machine. It is also possible that we could try to teach some about the DOS machines as they relate to our own TI/Geneve. We could teach MS-DOS alongside of M-DOS commands, and we could show various conversions of IBM Basics to XB and ABASIC on the TI and Geneve. We could have a second meeting for DOS users after the first (But for all practical intents this may mean creating a second club). We can try to set aside some times in our regular meeting for question and answer sessions (DOS included), and even show an occasional DOS demo. Others feel that Dos users should just join Dos clubs. In any event we wish to maintain and even increase our support of the TI. The TI community is also faltering in its support of vendors and manufacturers of TI goods. We must continue to support our own first. This discussion will continue in the meetings to come.

John says that our membership is holding firm. Four renewed last month, and one this month so far. Harry & Ron say that Bud Mills may be able to come for a demo of the 4A Memex card next month. Ron says that he is in favor of the 4A Memex, and against widespread use of the AMS. The reason for this is continued compatibility between the Geneve and TI. While this may not seem important to TI only users, they must realize that some TI software developers use the Geneve as a development tool. As a side note, when a company produces a piece of hardware like this, they must contract to have at least 100 boards made. If they don't sell all 100, the ones that they don't sell wind up as overhead and increase the cost. We need to support our hardware manufacturers if we wish to continue seeing cards like the SCSI, and memory cards produced. Also, more buyers means more support for all TI'ers, and lower prices on hardware.

Harry says that there is a TI emulator on the BBS that runs on the IBM. It was talked about recently on USENET news and on the TI-Echo.

Les used the missing Link to talk a bit about RLE. This stands for Run Length Encoded. Essentially, it takes any file where a character is repeated and shortens it by simply telling which character is repeated, and how many times it was used in a row. The example he used was if the sky in a graphics file were blue (say blue #5). The color blue would be repeated in the file a good many times for each of the dots that made up the sky. This would be a long string of blue #5. RLE would simply replace that big string with the equivalent of #5 and the number of times it was used. So a list of 15 fives "555555555555555" would become "5 15x". You can see how much space this would save, especially if it were a list of 100 or 1000 fives. Thanks for the demo Les.

John gave us an XB tip. You can LIST "DSK#.filename" to save a program as a file your word processor can use. This lets you edit programs in TI-Writer or funnelweb.

The meeting was then adjourned by Virgil. Also, Dan's train show is at 705 Stony Brook Rd., in Green Village, Sagamore Hills (off RT.82, on April 17th from 1-4pm. There is no charge for admission.

Respectfully submitted,

Tim Chris Bodemiller



Deanna



The meeting was brought to order by Walt Ryder, and before we could hear reports, Marty passed out copies of the survey that was in the newsletter and asked everyone to fill them out, please!

Frank gave his Treasurer's report, showing a very good balance!

Under old business, Walt brought up the slate of officers for 1994 and the motion was made and passed unanimously to accept the slate as follows:

Walt Ryder.....Co-President  
Ken Gladyszewski.....Co-President  
Frank Jenkins.....Treasurer/Module Library  
Martin Smoley.....Membership/Disk Librarian  
Deanna Sheridan.....Secretary

A very hearty round of applause for these dedicated members!

It was brought up that we should support MICROpendium with more subscriptions, to keep this great TI-99/4A newsletter in operation! Jerry Reising had a Basic Compiler (written in German) translated to English. It cost \$100.00 and the club voted to repay Jerry and buy this for the club. We need the Super IB cartridge to run this program. It will be bought and any member can borrow this for changing Basic programs to Assembly language to speed up the running of your program.

Frank announced a computer group for those other machines, called (ECCO) Educational Computer Consortium of Ohio, that has programs for Apple, Commodore, IBM, and others. (Commercial & Public Domain) Cost is \$50.00 for individual and \$55.00 family.

Jerry announced that he won't be renewing his membership, so he has a complete system for sale. It's listed in the last newsletter.

Les Kee brought up the subject of the Clearing House BBS and what are we doing with it! Harry & Ron will get to it SOON. (right RON!)

The subject of making the club TI/IBM was brought up again and it was explained that North Coast doesn't want to address this right now, but if the club members want to at a later date, that is up to them. The questionnaire was not designed to vote on anything, just to find out what the members are using in the way of OTHER computers, and how they feel about things!

Harry brought up the subject of the Lima MUG Conference, on May 13/14, and being that it isn't a regular meeting date... everyone can attend! Bud Mills was asked to come to Cleveland to demo the new SCSI interface card and show us how it works with a hard drive, etc. Ron has already talked to him and he agreed to come. Ron will try to get him for the next meeting. I'm sure he will have many other new and exciting products to talk about, since Don O'Neil has been very busy with other products since finishing the SCSI!!!

Ron announced the availability of hard drives (44meg SCSI, 9ms Quantum, brand new) for \$90.00 with a 5 year warranty. He also mentioned other commercial software for a sale price of \$10.00 each. Check with Ron about new stuff for sale!

With business out of the way, John Parke put on a demo of a HP ink jet, and a Cannon ink jet printer. First he gave a history and explanation of how an ink jet printer works. He printed pages with each printer to show differences of each. It was a great demo John. Thank you!!!

The meeting ended with everyone mingling and checking out Ron's table.



# A Woman's Point of View

By Nina Hoffman

Hello again.

Well dear friends you are witnessing a minor miracle. I can hardly believe that I am writing this without my coach at home. I do have my cheat sheet but it didn't tell me how to get into and write a new file. I am so proud of myself, and believe me if I can do it anyone can. I still haven't cracked a book to learn basic but I do believe that this event shall prod me on to bigger and better things. I can only speak for myself but this is a great feeling of accomplishment for me and fills me with deep joy. Sort of like trying out a new recipe and having it look just like the picture. If the newsletter gets printed this month it may be another miracle as I am sure Harrison will be in shock when he gets home. I would like to say that I know what it is like staring at this computer and wondering what to do. It is easier to say it's not for me like I did at first because it is a little scary looking at this machine and being in awe of it, but believe me when you get even a little bit smart you sure feel great. I can understand now why people like it. It is sort of like a power play. You have defeated the unknown and found it interesting and also have the need to explore further. If you have been following my articles at all you know how stubborn I have been in getting this far. I also have been very slow for various reasons but I do encourage you to try it.... you'll like it.

My main reason for this article is to encourage you to take your spouse to Lima for the TI Faire. It is a great time to get away together and enjoy yourselves. There is plenty for you to see and do at the faire and also plenty of shopping and sights to see. We usually stay at Motel 6. It is the closest and cheapest lodgings near the college. It is located at I/75 @ exits 125a/125. The Motel 6 telephone # is 1/419/228/0456. There is a SAM/S CLUB within walking distance and BOB EVANS restaurant right in front of the motel. There is so much info that I will bring it to this months meeting and you can see for yourself what is available. If you prefer you can write to the Lima Allen County Convention & Visitors Bureau... 53 Town Square... Lima OH... 45801. You can also telephone them at 1/419/222/6045. If you have any questions you can also call me at 216/631/2354. Many of the Cleveland TI people do attend this faire and I know you will not be disappointed if you do attend. Hope to see you there.

**Hey Folks, don't forget MOM on May 8th!**

**Guys, that goes for wives, also!**



Cleveland Area User Groups  
 % Harry Hoffman  
 3925 Troubridge Ave.  
 Cleveland, OH 44109

\*\*\*\*\*  
 New Zip Code



Check your Expiration Date  
 This may be your LAST issue!

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Due to the rising cost of the Newsletter:  
 Newsletter only cost is \$12.00  
 Full membership price - \$15.00 w/library privileges.  
 Join either club. See front cover for membership choices.

Here are the Directories of the two Disks in  
 question on the March Library Update:

93079

Filename	Free	22	Used	336		
	Size	Type/No	11	P		
ACCORDIAN	22	PROGRAM		U		
CHALLENGE	33	PROGRAM		P		
CLBLIB/95A	86	DIS/VAR	80	P		
CLBLIB/95B	50	DIS/VAR	80	U		
CLBLIBMAR	20	DIS/VAR	80	U		
CONVERTDO	10	DIS/VAR	80	U		
CONVERTIB	9	PROGRAM		P		
DISKSORT	23	PROGRAM		P		
SORT	33	PROGRAM		P		
SORTDOCS	25	DIS/VAR	80	P		
STOCK-VAL	45	PROGRAM		U		

93078

Filename	Free	42	Used	316		
	Size	Type/No	31	P		
BACHMINUET	9	PROGRAM		U		
BASIC/DICE	11	PROGRAM		U		
BLACKJACK	12	PROGRAM		U		
BOY/ART	7	PROGRAM		U		
CHAR/CODER	10	PROGRAM		U		
CHAR/GEN	8	PROGRAM		U		
CHECKBOOK	10	PROGRAM		U		
COMP/INTRO	23	PROGRAM		U		
DICE/GAMES	13	PROGRAM		U		
DIXIE	7	PROGRAM		U		
FIRST/SONG	5	PROGRAM		U		
FRENCHFOOD	12	PROGRAM		U		
GEOMETRY	9	PROGRAM		U		
HISTORY	15	PROGRAM		U		
JELLYBEANS	6	PROGRAM		U		
LOAD	4	PROGRAM		U		
LULLABY	6	PROGRAM		U		
METRIC	6	PROGRAM		U		
MICROSKETCH	5	PROGRAM		U		
MORTGAGE	10	PROGRAM		U		
MUSICMACH	10	PROGRAM		U		
PATTERNS	9	PROGRAM		U		
PIANO	10	PROGRAM		U		
PLACE/CAP	14	PROGRAM		U		
RECIPE/CON	7	PROGRAM		U		
ROCKET	8	PROGRAM		U		
SCRAMBLER	4	PROGRAM		U		
SIMONSAYS	9	PROGRAM		U		
SOUND/DEV	16	PROGRAM		U		
TUTOR/#1	23	PROGRAM		U		
TUTOR/#2	18	PROGRAM		U		