

MAD HUG



JULY, 1986

MADHUG

PAGE 1

MYARC INTRODUCES GENEVE

THE BIG NEWS IN THE TI WORLD CONCERNS THE INTRODUCTION OF THE LONG AWAITED COMPUTER FROM MYARC. WITH 2 MEG. ADDRESSABLE, XT STYLE KEYBOARD, MOUSE SUPPORT, AND LOTS OF OTHER GOODIES, IT SHOULD BE A WINNER AT \$475. ACCORDING TO MICROPENDIUM, SHIPMENTS WILL START JULY 30TH.

MICRO IS MAX ON QUALITY CONTENT

THE JUNE ISSUE OF MICROPENDIUM IS LOADED WITH GOOD ARTICLES. THEY HAVE ONES ON USING MERGE CONVENTION TO REORGANIZE PROGRAMS TO RUN FASTER, A REVIEW OF THE MYARC DISK CONTROLLER CARD, MAXMEM - SAVING YOUR MODULES TO DISK, A LENGTHY DISCOURSE ON 3-D GRAPHICS, AND PROGRAMS TO TEST YOUR TI OR CORCOMP 32 K CARD.

ON TAP

MICROPENDIUM HAS UP COMING FEATURES ON HORIZON RAM DISK - ASSEMBLED AND TESTED, OR KIT FORM; A REVIEW OF THE P E P PROGRAM WHICH WILL SEND DATA FROM ONE COMPUTER SYSTEM TO ANOTHER - SUCH AS TI99/4A TO IBM-PC; AND MUCH, MUCH MORE.

IF YOU HAVEN'T ALREADY SUBSCRIBED YOU'VE ALREADY MISSED THE SUPER JUNE ISSUE AND COME UP AGAINST THEIR PRICE INCREASE. RATES ARE NOW \$17 FOR 12 ISSUES SENT 3RD CLASS AND \$20.50 FOR 1ST CLASS. DON'T PROCRASTINATE ANY LONGER. SEND YOUR SUBSCRIPTION ORDER TO MICROPENDIUM PO BOX 1343, ROUND ROCK, TX 78680. YOU CAN ALSO LOOK AT THE BACK ISSUES IN THE CLUB LIBRARY BUT REMEMBER THEY CANNOT BE CHECKED OUT.

MEMBER NEWS

MARK GIBSON TELLS ME HE HAS ADDED THE CHRRA1 FILE FROM THE TI WRITER ENHANCEMENT DISK TO THE FUNLWRITER TO GET TRUE SMALL LETTERS. FIRST, OF COURSE, HE MADE A BACK UP DISK IN CASE SOMETHING WENT WRONG. SOUNDS LIKE A GOOD MOVE, MARK.

DAN BOYCE HAS PURCHASED A GE COMBINATION DIRECT CONNECT AND ACOUSTIC MODEM AND A GE DOT MATRIX AND THERMAL PRINTER FROM LABELLE'S ON A CLOSEOUT. IF ANYBODY OUT THERE KNOWS THE INS AND OUTS OF THESE ITEMS, PLEASE GIVE DAN A CALL OR DROP A LINE TO THE CLUB ADDRESS. HE ESPECIALLY COULD USE HELP ON PRINTER COMMANDS.

SPEAKING OF LABELLE'S, IN THE LAST NEWSLETTER, LOREN QUERN REPORTED THAT THEY HAD 13" COLOR COMPOSITE MONITORS BY AMDEK FOR \$79. WELL, IT SEEMS THEY SOLD ALL SIX OR SEVEN, INCLUDING THE DISPLAY MODEL, WITHIN 48 HOURS OF THE NEWSLETTER BEING ISSUED. VERY GOOD, MADHUGGERS!

II WRITER

This article will cover printing to disk from the editor and formatter. Using the Special Printing Commands to print line numbers, strip out control characters before being printed, and printing a file in a DISPLAY/FIXED 80 format instead of a DISPLAY/VARIABLE 80 format.

STRIPPING OUT CONTROL CHARACTERS BEFORE PRINTING.

Select the PF (Print File) command. Type C a space, then type the device name. IE, C PIO or C DSK1.FILENAME. All control characters entered in the SPECIAL CHARACTER MODE less than 32 (ASCII decimal) are removed before printing.

PRINT LINE NUMBERS FROM EDITOR.

Select the PF command, type L a space then type the device name. All lines will be preceded with a line number. The maximum line length is 74 when printing line numbers. All characters in columns 75-80 are not printed.

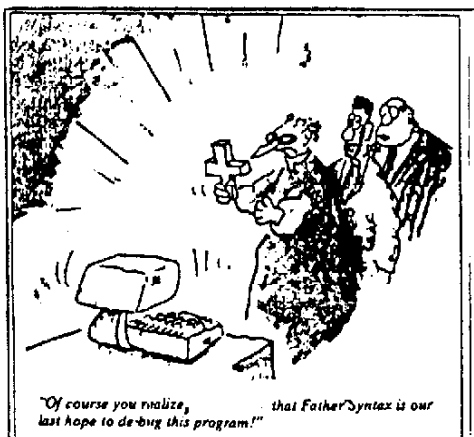
PRINTING IN FIXED 80 FORMAT.

Select the PF command type F then a space, then type the device name. The file will then be printed in a FIXED 80 format.

AN EXAMPLE OF STRIPPING OUT CONTROL CHARACTERS.

Let's say you want to save a FORMATTED file on disk. You really don't want to keep all of those nasty SPECIAL CONTROL CHARACTERS in the file so, go to the FORMATTER and when it asks for the print device name enter something like this : DSK1.FILENAME. This will print and format the file to disk. Go back to the editor load the file that you just printed and formatted. When you look at it you'll see a bunch of weird looking stuff CONTROL CHARACTERS!! Then use the PF command, type C DSK1.FILENAME. When it prints to the disk this time all the nasty SPECIAL CONTROL CHARACTERS will be removed. It will be saved on disk just like it would appear on paper.

Mark Gibson

DISK CATALOGER

RICK ALSTON HAS WRITTEN A COUPLE OF DANDY PROGRAMS TO CATALOG YOUR DISKS DIRECTLY TO 3 1/2 X 2 INCH LABELS. THE FOLLOWING IS HIS OWN REVIEW OF THESE PROGRAMS. SINCE THIS DESCRIPTION WAS WRITTEN HE HAS UPDATED THE PROGRAM TO WORK WITH DOUBLE-SIDED DRIVES. ED.

THE PROGRAM DBLSIDE/01 IS IDENTICAL TO DBLSIDE/04 IN THAT THEY BOTH PRINT 3 1/2 INCH BY 2 INCH STICK-ON LABELS FOR TWO SIDED DISKS (FLIPPYS). THE ONLY REAL DIFFERENCE IS VERSION /01 PRINTS IN ITTY BITTY SUBSCRIPT, WHILE VERSION /04 PRINTS IN MORE READABLE CONDENSED PRINT. VERSION /01 IS EXCELLENT IF YOUR DISK IS "FULL" AND YOU WANT TO HAVE A LIST OF DISK CONTENTS THAT WILL FIT ON THE FRONT OF YOUR DISK SLEEVE. THESE LABELS ARE AVAILABLE FROM REDIFORM IN 500 LABEL BOXES. THEY ARE SELF-ADHESIVE AND ARE TRACTOR FED. LOCALLY AVAILABLE THROUGH COMPUTERLAND. NOTE: IT IS POSSIBLE FOR A LISTING TO EXCEED ONE TWO INCH LABEL, SO JUST CUT THE LABEL AT THE END OF THE TEXT AND REMOVE FROM BACKING IN ONE PIECE (CAREFULLY) AND PLACE IT ON THE DISK SLEEVE. THE PROGRAM GIVES ALL NEEDED INSTRUCTION WHEN IT RUNS, JUST FOLLOW THE PROMPTS.

‡ PRINTER SETUP ‡
‡ FOR PROGRAM LISTINGS ‡

There exists a "neat" little program that sets your printer up for printing program listings. It was "shared" with me by Mark Gibson. You can either use the immediate mode and type it in each time you wish to use it or do as I have done and make it a program and "set" the printer up before loading the program to be listed and printed. The program is as follows.

NOTE: The printer must be on and "ready" before running this program or it wont work!

```
100 OPEN #1:"PIO"
```

```
110 PRINT #1:CHR$(27);"M";CHR$(8); CHR$(15);CHR$(27);"N";CHR$(3)
```

The following command is entered after the printer is "programmed" and the program to be listed is loaded.

```
LIST "PIO"
```

It may be noteworthy to add that 8 sets the left margin, 15 sets condensed print, and 3 sets perforation skip. Now you can tailor your program listings to suit your paper storage medium, such as 3 hole binders and such.

‡ RICK ALSTON ‡

FROM THE MSP 99 NEWSLETTER MAY, 1986

DATE? WHAT DATE? BY GLENN DAVIS

THIS MAY BE A LITTLE TRICK YOU DIDN'T KNOW ABOUT BEFORE: GETTING TI-WRITER TO ASK YOU WHAT THE DATE IS ON YOUR LETTER. I KEEP A DISK WITH LETTERS THAT I SEND TO PEOPLE. FOR TWO REASONS, REALLY. SO I REMEMBER WHAT I SAID, AND SO I DON'T HAVE TO REENTER THE ADDRESS, FORMAT CODES, AND OTHER JUNK NECESSARY TO PRINT THE LETTER THROUGH FORMATTER.

ONE PROBLEM AROSE WITH THIS METHOD, HOWEVER. THE DATE HAD TO BE CHANGED WHEN I CREATED A NEW BODY OR REVISED A LETTER TO BE SENT LATER. SO I BEGAN USING TI-WRITER'S "DEFINE PROMPT" FORMATTER COMMAND TO ASK ME THE DATE WHEN I PRINT THE LETTER OUT. IT IS REALLY SIMPLE, BUT THE NEWSLETTER NEEDS ARTICLES.

IF YOU WANT TO ENTER THE DATE ALL ON ONE LINE DO THIS:

```
.CO * IS REDEFINED TO PRINT ITSELF
.TL 94:42
STREET
CITY, ST**ZIIPP
~1~
```

ON THE OTHER HAND, YOU CAN USE:

```
.DP 1 ENTER THE DAY
.DP 2 ENTER THE MONTH
.DP 3 ENTER THE YEAR
```

IN YOUR TEXT HEADER, WRITE:

```
STREET
CITY, ST**ZIIPP
~2~ ~1~, ~3~
```

FRESCO! DATE IS ON THE LETTER. GIVE IT A SHOT. DEFINE PROMPT IS QUITE VERSATILE, SO TRY SOME VARIOUS THINGS UNTIL YOU GET SOMETHING THAT PLEASES YOU.

FROM THE MSP 99 NEWSLETTER MAY, 1986

COMPUTERIZED VCR BY GARY GESE

DID YOU KNOW THAT YOU CAN USE YOUR TI 99 COMPUTER TO CREATE SPECIAL SCREENS OR TITLES FOR YOUR VCR PROGRAMS? IT'S REALLY VERY EASY. ALL YOU HAVE TO DO IS TO CONNECT YOUR COMPUTER'S OUTPUTS TO THE VCR INPUTS. BASICALLY ALL YOU ARE REALLY DOING IS STICKING THE VCR IN BETWEEN THE CONSOLE AND THE MONITOR THAT YOU ARE USING. SET YOUR VCR ON RECORD AND PAUSE, THEN RUN THE PROGRAM.

I RECOMMEND THAT YOU INSERT A SHORT PAUSE ROUTINE INTO THE BEGINNING OF THE PROGRAM AFTER ALL VARIABLES HAVE BEEN ASSIGNED AND CHARACTERS DEFINED. ADD A FEW LINES OF CODE LIKE THESE TO THE LISTING DIRECTLY OR USE THEM IN A SUBROUTINE:

```
100 CALL KEY(O,K,S,)
110 IF S=0 THEN 100
```

THIS WILL CAUSE THE PROGRAM TO HALT AND WAIT FOR YOU TO PRESS ANY KEY. RELEASE THE VCR'S PAUSE AND PRESS A KEY TO ACTIVATE THE COMPUTER'S

SEQUENCE. BE READY TO TOUCH THE VCR'S PAUSE CONTROL AGAIN AS SOON AS THE COMPUTER IS FINISHED. YOU MAY WANT TO USE THE HOLD ROUTINE AGAIN AFTER THE SEQUENCE TO AVOID HAVING THE COMPUTER END THE PROGRAM AND POP UP WITH THE READY MESSAGE.

BY DOING THIS, YOU CAN VIDEO TAPE ANY PROGRAM THAT YOU RUN ON YOUR COMPUTER. THIS MAY NOT BE OF MUCH USE WITH A MAJORITY OF YOUR DATA KEEPING PROGRAMS, BUT IT'S A GREAT WAY TO SHARE YOUR COMPUTER'S GRAPHIC AND SOUND CAPABILITIES WITH YOUR NON-TI FRIENDS. BESIDES, A VIDEO TAPE IS A LOT EASIER TO TRANSPORT THAN A FULL COMPUTER SYSTEM.

FOR FANCY (OR NOT SO FANCY) TITLE SCREENS FOR HOME BREWED VIDEO TAPES, THE COMPUTER CAN'T BE BEAT. IMAGINE THE IMPRESSION IT WILL MAKE TO HAVE ANIMATED TITLES SCREENS FOR ALL YOUR HOME VIDEOS.

Program of the Month
from Orlando 99ers

WARNING===ALLOW SPACE
 OF AT LEAST 18 SECTORS
 FOR THE PROGRAM TO SET
 UP THE CATALOG ON THE
 DISK. THIS PROGRAM WILL
 NOT WORK WITH CASSETTE.
 CONTRIBUTED BY TOM RAINEY

```

10 ! SAVE THIS PROGRAM AS "DSK1.LOADER"
20 ! THEN RUN "DSK1.LOADER"
30 ! THEN TYPE <NEW>
40 ! THEN TYPE MERGE DSK1.CAT
50 ! THEN TYPE SAVE DSK1.LOAD
60 ! PROGRAM LOADER
70 CALL CLEAR :: PRINT "PROGRAM STATUS....WORKING" :: CL$="CLEAR" :: DIM A$(20)
80 OPEN #1:"DSK1.",INPUT,RELATIVE,INTERNAL
90 DEF LN$(N)=CHR$(0)&CHR$(N)
100 DEF DI$(R)=CHR$(162)&CHR$(240)&CHR$(183)&CHR$(200)&CHR$(LEN(STR$(R)))&STR$(R)
&CHR$(179)&CHR$(200)&CHR$(1)&STR$(COL)&CHR$(182)&CHR$(181)
110 DEF IF$(N)=CHR$(132)&"K@"&CHR$(190)&CHR$(200)&CHR$(2)&STR$(N)&CHR$(176)&CHR$(
139)&CHR$(199)&CHR$(LEN(A$(I-64))+5)&"DSK1."&A$(I-64)
120 FOR I=0 TO 20
130 J=J+1 :: INPUT #1:A$(I),B,C,D :: IF I=0 THEN 220 ELSE IF J>=127 OR LEN(A$(I)
=> THEN 230 ELSE IF ABS(B)<>5 OR A$(I)="LOADER" THEN 210
140 NEXT I
150 CLOSE #1 :: EN$=CHR$(181)&CHR$(199)&CHR$(28)&"PRESS <ERASE> TO END PROGRAM"&
&CHR$(0):: COL=1 :: L=I-1 :: OPEN #2:"DSK1.CAT",VARIABLE 163
160 PRINT #2:LN$(1)&CHR$(157)&CHR$(200)&CHR$(5)&CL$&CHR$(0)
170 PRINT #2:LN$(2)&DI$(1)&CHR$(199)&CHR$(28)&"CATALOG"&RPT$(" ",12-LEN(A$(0)))&
&"SKNAME-"&A$(0)&CHR$(0)
180 CLO=8 :: FOR I=1 TO L :: PRINT #2:LN$(I+2)&DI$(12+I-INT(L/2))&CHR$(199)&CHR$(
3+LEN(A$(I)))&CHR$(I+64)&"--"&A$(I)&CHR$(0):: NEXT I
190 PRINT #2:LN$(L+3)&CHR$(142)&CHR$(240)&CHR$(183)&CHR$(200)&CHR$(2)&"24"&CHR$(
76)&CHR$(200)&CHR$(1)&"1"&CHR$(182)&CHR$(238)&EN$
200 PRINT #2:LN$(L+4)&CHR$(157)&CHR$(200)&CHR$(3)&"KEY"&CHR$(183)&CHR$(200)&CHR$(
1)&"0"&CHR$(179)&"K@"&CHR$(179)&"S@"&CHR$(182)&CHR$(0)
210 PRINT #2:LN$(L+5)&CHR$(132)&"S@"&CHR$(190)&CHR$(200)&CHR$(1)&"0"&CHR$(176)&C
&CHR$(201)&LN$(L+4)&CHR$(0)
220 FOR I=65 TO L+64 :: PRINT #2:LN$(L+I-59)&IF$(I)&CHR$(0):: NEXT I
230 PRINT #2:LN$(2*L+6)&CHR$(132)&"K@"&CHR$(190)&CHR$(200)&CHR$(1)&"7"&CHR$(176)
&CHR$(157)&CHR$(200)&CHR$(5)&CL$&CHR$(130)&CHR$(139)&CHR$(0)
240 PRINT #2:LN$(2*L+7)&CHR$(134)&CHR$(201)&LN$(L+4)&CHR$(0):CHR$(255)&CHR$(255)
250 CLOSE #2 :: DISPLAY AT(23,21)BEEP:"COMPLETE" :: END

```

BOOK REVIEW: COMPUTE'S TI COLLECTION - VOLUME 2

Reviewed by Dan Boyce

This book is COMPUTE'S most recent for the TI. I have had it for a couple of months and I am still working my way through it. All the programs and articles are new and have NOT appeared in COMPUTE magazine. It seems like C. Regena is the only one writing TI stuff for the magazine any more. Well, back to the book. Here is what it covers:

Chapter 1: Applications and Techniques

- MitiCalc
- Sketchpad
- Memo: The Simple Word Processor for the TI 99/4A
- TI Screen Dump
- I/O Through the Joystick Port
- Record Blocking Techniques for the TI 99/4A
- AI with TI (Artificial Intelligence)

Chapter 2: Fun and Games

- Labyrinth
- Spitfire
- BOG'1
- Speed Demon
- Blackjack
- Flood Waters
- Macro/Micro Maze
- Mad Hatter Ladder

Chapter 3: Inside the TI

- TI Memory Organization
- The Heart of the TI 99/4A: The TMS9900 Microprocessor
- TI Character Graphics
- TI 99/4A Character Definitions

Chapter 4: It's Educational

- Oh, So Simple
- Happy Face Arithmetic
- Spelling Tutor

Chapter 5: Assembly Language

- TI 99/4A Memory and Assembly Language Tips
- TI FastSearch
- Expand TI BASIC with Mini Memory
- TI File Management

This book leans more heavily to the technical and assembly language material. The program article which I am playing with is the one to use the Mini Memory to load assembly language utility programs from disk in BASIC. There are assembly utilities included. And the best news is that COMPUTE has this available ON DISK for \$12.95 plus \$2 for shipping and handling. This is one I plan to get as I am too busy (lazy) to type in the programs, especially assembly. I will have my book at the meeting for you heavy duty assembly types if you would like to see what is included. Maybe we will get lucky and COMPUTE will put all their other books on disk. I would sure find it worth the \$ for the time it would save.

CONTROL Codes FOR TI-WRITER

FROM:
DICK ALTMAN
SAN FRANCISCO, CA.

ASCII	&CODES	&&FUNCTION	&&&FORMAT
0	^0	Terminate Tabulation	CTRL U, SHIFT 2, CTRL U
7	^7	Sound the buzzer	CTRL U, SHIFT G, CTRL U
8	^8	Backspace	CTRL U, SHIFT H, CTRL U
9	^9	Horizontal tabulation	CTRL U, SHIFT I, CTRL U
10	^10	Line feed	CTRL U, SHIFT J, CTRL U
11	^11	Vertical tabulation	CTRL U, SHIFT K, CTRL U
12	^12	Form feed	CTRL U, SHIFT L, CTRL U
13	^13	Carriage return	CTRL U, SHIFT M, CTRL U
14	^14	Print enlarged characters	CTRL U, SHIFT N, CTRL U
15	^15	Print condensed characters	CTRL U, SHIFT O, CTRL U
17	^17	Select printer	CTRL U, SHIFT Q, CTRL U
18	^18	Turn off condensed printing	CTRL U, SHIFT R, CTRL U
19	^19	Disable printer	CTRL U, SHIFT S, CTRL U
20	^20	Turn off enlarged printing	CTRL U, SHIFT T, CTRL U
27	^27	Escape	CTRL U, FCTN R, CTRL U
27;48	^^^48	Set line spacing 8 per inch	CTRL U, FCTN R, CTRL U, 0
27;50	^^^50	Set line spacing 6 per inch	CTRL U, FCTN R, CTRL U, 2
27;51	^^^51	Set line spacing n/216 per inch	CTRL U, FCTN R, CTRL U, 3,n
27;52	^^^52	Turn Italic Character set on	CTRL U, FCTN R, CTRL U, 4
27;53	^^^53	Turn Italic Character set off	CTRL U, FCTN R, CTRL U, 5
27;56	^^^56	Disable paper-end detector	CTRL U, FCTN R, CTRL U, 8
27;57	^^^57	Select paper-end detector	CTRL U, FCTN R, CTRL U, 9
27;65	^^^65	Set line spacing (1/72 to 85/72 inch)	CTRL U, FCTN R, CTRL U, A,n
27;66	^^^66	Set up 8 vertical tab pos.	CTRL U, FCTN R, CTRL U, B
27;67	^^^67	Set form length up to 127 lines	CTRL U, FCTN R, CTRL U, C,n
27;68	^^^68	Set up to 12 horizontal tab positions	CTRL U, FCTN R, CTRL U, D
27;69	^^^69	Turn on emphasized printing	CTRL U, FCTN R, CTRL U, E
27;70	^^^70	Turn off emphasized printing	CTRL U, FCTN R, CTRL U, F
27;71	^^^71	Turn on double printing	CTRL U, FCTN R, CTRL U, G
27;72	^^^72	Turn off double printing	CTRL U, FCTN R, CTRL U, H
27;75	^^^75	Turn on normal density graphic printing	CTRL U, FCTN R, CTRL U, K
27;76	^^^76	Turn on dual density graphic printing	CTRL U, FCTN R, CTRL U, I
27;77	^^^77	Turn Elite mode ON	CTRL U, FCTN R, CTRL U, M
27;78	^^^78	Set skip-over perforation	CTRL U, FCTN R, CTRL U, N
27;79	^^^79	Release skip-over perforations	CTRL U, FCTN R, CTRL U, O
27;80	^^^80	Turn Elite mode OFF	CTRL U, FCTN R, CTRL U, P
27;81	^^^81	Set a column width	CTRL U, FCTN R, CTRL U, Q
27;82	^^^82	Select 1 of 8 int'l char.sets	CTRL U, FCTN R, CTRL U, R

SNUG NETWORK

MARCH, 1986

USING "PRINT USING"

BY RICHARD ROBERTS T13552
AS DOWNLOADED FROM TEKNET

AND PRINTED BY "DAYTONA TYERS"

One of the more obscure statements available with TI Extended Basic is one called PRINT USING. Even more obscure is the fact that this statement can be used to format variables and constants that will be dumped to your printer. The Extended BASIC manual, on page 150, shows several examples of how PRINT USING can be used to format data for screen display, but nary a word of how to do the same with open files. It can be done, and is much more powerful than you may realize.

Any discussion of PRINT USING will require an understanding of the IMAGE statement, so if you are not familiar with it, you'd better brush up on it first. The PRINT USING statement uses IMAGE in one of two ways, either with a string expression, or a line number reference. I prefer the latter, as it allows for more flexibility, but since these different methods are explained in the manual, I will limit this to a few simple examples that are not shown in the manual.

```
100 TCOST=19.95
110 IMAGE ##.##
120 OPEN #1:"PIO"
130 PRINT #1, USING 110:TCOST
```

Running this sample program will effectively show how the PRINT USING statement will work with an open file. Of course, there are many other variations of IMAGE that can be used, so experiment with them and watch how it performs when line 130 dumps it to the printer. Shown below are a few more examples for use with an open file:

```
110 IMAGE "##.## ##.##"
120 ...
130 PRINT #1, USING 110:COST1,COST2
```

This IMAGE statement will allow you to print two (or more) variables at a predetermined spot on the same line. Then length of the string expression in the IMAGE statement can be as long as you wish, up to the limit of an Extended Basic line.

```
110 IMAGE "***** ##.##"
120 ...
130 PRINT #1, USING 110:"TOTAL COST",
TCOST
```

This version shows how you can format the printed line for string data as well as numerical data. A string variable could be used in place of the string

constant, as below:

```
105 A$="TOTAL COST"
110 IMAGE "***** ##.##"
120 ...
130 PRINT #1, USING 110:A$,TCOST
```

It is also possible to place the IMAGE statement inside the PRINT USING statement, as shown below. First, delete line 110:

```
130 PRINT #1, USING "***** ##"
:A$,TCOST
```

A few other points to remember include the fact that IMAGE and PRINT USING can be used to round off calculated variable. A single string expressions such as "*****.##" will round off and decimal align numbers as small as the number at any designated location. This function could save many hours of work trying to develop an algorithm for accomplishing the same thing. So, in the long run, the PRINT USING statement is one that any programmer should be very familiar with, and use as often as possible.

MICROpendium/June 1986

Myarc's new computer, the "Gen-cvc," made its debut at the recent Consumer Electronics Show.

The long-promised new computer from Myarc features TI-Writer in 80 columns and will support any program in TI assembly language written to specifications for TI, according to John Keown of Myarc.

"A few software authors played some tricks and their programs won't work on it," he notes.

Keown said the company would modify Myarc 128K and 512K cards to be compatible for any registered owners.

The computer features an IBM PC XT-style keyboard as standard with 640K RAM patches for TI-Writer and Microsoft Multiplan, 80-column display, BASIC 3.0 and a MS-DOS operating system, he noted. It uses a TI 9995 processor chip operating at 12 MHz.

It will have a program to copy existing cartridges, he notes.

Keown says the hex cable to the peripheral expansion box has been replaced, with the keyboard now con-

necting directly to the P.E. box.

The computer runs "between three and six times faster than the 99/4A, depending on the mode," he says. "The graphics mode is superior to Atari."

It has mouse support and RGB support, Keown says. He says Myarc will be "introducing very shortly an RGB composite 80-column monitor for under \$250."

Suggested list price for the computer is \$495. The company was planning to ship out beta-test boards in early June to "prime software developers" so they can upgrade their software, Keown says. Orders are being taken now for a shipment date of July 30.

Keown says he has been hired recently to "handle the business end" for Myarc and says he is enforcing strict quality control and deadline policies.

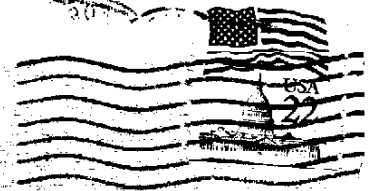
The computer also has separate function keyhs. 128K of VDP RAM, supports 40 and 80 column display modes and includes speech. According to Myarc, it is compatible with Myarc, TI and CorComp disk controller and RS232 cards.

CONTROL KEYS FOR THE TI used for the TI-99/4A. It is possible to use CTRL keys to generate whole key-words in extended basic. The ones listed below will not work in command mode, you must have a line number or you will get an error message. You will not see anything happen when you type one of these control codes, but if you then list the program in the correct key-word will appear in the listing. They also have some other limitations which you will have to learn by experimentation.

From Daytona 99 ers April 1986

CHR	COMMAND	KEY	CHR	COMMAND	KEY
138	!!	CTRL B	187	AND	CTRL /
142	BREAK	CTRL N	157	CALL	CTRL =
147	DATA	CTRL S	137	DEF	CTRL I
153	DELETE	CTRL Y	138	DIM	CTRL J
129	ELSE	CTRL A	139	END	CTRL K
140	FOR	CTRL L	133	GO	CTRL E
135	GOSUB	CTRL G	134	GOTO	CTRL F
132	IF	CTRL D	146	INPUT	CTRL R
141	LET	CTRL M	158	NEXT	CTRL V
189	NOT	CTRL ;	155	ON	CTRL .
159	OPEN	CTRL 9	158	OPTION	CTRL 8
186	OR	FCTN /	156	PRINT	CTRL !
149	RANDOMIZE	CTRL U	151	READ	CTRL W
154	REM	CTRL Z	148	RESTORE	CTRL T
136	RETURN	CTRL H	178	STEP	CTRL 2
152	STOP	CTRL X	176	THEN	CTRL O
177	TO	CTRL 1	144	TRACE	CTRL P
143	UNBREAK	CTRL O	145	UNTRACE	CTRL Q
188	XOR	FCTN O			

MADHUG - 99/4A
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DALLAS TI HOME COMPUTER
 1221 MOSSWOOD
 IRVING TX 75061

THE MINNESOTA AND DAKOTA HOME USERS GROUP
 (MADHUG) WOULD LIKE TO EXCHANGE NEWSLETTERS
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