

NEWSLETTER #10 JANUARY 1985

This should be my last stint as editor of this newsletter. I therefore feel free to include a couple of items that I like which are not really related to computers...but maybe to users groups.

Sometime when you'r feeling important, Sometime when your ego's in bloom, Soimetime when you take it for granted, You're the best qualified in the room Scmetime when you feel that your going, Would leave an unfillable hole, Just follow this simple instruction, And see how it humbles your soul. Take a bucket and fill it with water, Put your hand in it up to your wrist, Pull it out, and the hole that's remaining Is a measure of how much you'll be missed. You can aplash all you please when you enter. You can stir up the water galors, But stop, and you'll find in a minute. That it looks quite the same as before. The moral in this quaint example. Is to give it the best that you can. But remember, regardless your status. there is NO INDISPENSABLE ... PERSON!

ANONYMOUS

I like this little poem because it says that there is always someone who can fill a job. It doesn't say that the one who is doing it now is the only one that is able to. So con't be bashful! Participate in YCUR users group and try to become indispensable.

MINI MEMORY MANUAL:

Since I have not seen it documented anywhere else, there are some errors in the MMM that deserve pointing out. I wonder if the pressure of publication forced such poor editing. I admit to letting newsletters go out with errors but we really try to prevent any programs from having errors. We've spent too much time debugging.

PAGE	HEX LINE#	AS PRINTED		CORRECTED	
50 :	>7 E B6	EC LI	RO, 01300	EC	LI RO,01300
⇒1:a	PRESE	FR MC	N R11, R9	FR	MOV Ril, R7
	> 7E9 0	A1	R7,30		AI R7,30
	>7 E94	L ₁	RA, 06000		LI R&, >6000
52	>7EC4	41	R7,-32		AI R7,-32
	7 E C5	A ₁	R4,-32		AI R7,-32

SON'T FORGET: YOUR 1985 DUES ARE DUE!

CALL LDADS-AGAIN from Mid-South 99 (Germantown, Tenn.)

Call loads require the memory expansion and either Extended Basic or the Editor/Assembler using TI Basic. CALL INIT also must be typed prior to using a CALL LOAD. CALL PEEK, etc...

CALL LCAD(-31804.N) N=0-255

This one changes the flash rate of the cursor. N=0 for normal cursor speed.

This will bring up the title screen. Or CALL LDAD (32218, 32) will bring up the title screen.

CALL LUAD(-18472.A)

Checks to see if the Speech Synthesizer is attached. A=96 if plugged in, A=9 if it is not.

CALL LCAD(J1806,K) X=128 all sprites are disabled X=54 sprites off X=32 sound disabled (causes ups)

X=16 quit key off X=48 sound and quit off

X=60 aprites & quit off X=76 aprites and sound off

X=0 remembles all functions. (While sprites are disabled, other sprite functions still work).

CALL LCAD (-31740.A.B)

A & B values can be changed around to get different sounds. The sound will continue until a CALL BOUND statement, INFUT beep, or an error occurs. The same goes for CALL LOAD (± 51744 , A) ± 40 to 255 positive or negative.

CALL LOAD (-31962, 255)

This restarts the computer from Extended Basic and looks for a program called LOAD.

CALL LOAD(-32187.9) = 0 line #

CALL LOAD (-32188, 127) = change color and receive a breakpoint.

CALL LOAD(-32188.1) = change color and receive a syntax error.

CALL LOAD(-32112.8) = searches disk

CALL LOAD (-32116,4) = brings you from X Basic to Basic.

CALL LOAD(-32116,1) = random characters on screen.

CALL LOAD (-32114, 2) = random garbage

CALL LOAD(-32114,13) = screen goes wild.

CALL LOAD (-32114, 119) = lines

CALL LOAD(-31878,0) = turn off sprites and program speed increases. Or, replace 0 with the # of sprites you are using.

The following works from Editor/Assembler in Basic only. CALL INIT still must be typed prior to using these. It needs only to be typed once.

CALL POKEV(32272.0) clear screen.

CALL FOKEV(-30945.0) White edges.

CALL POKEV(-32280,0) bit map.

CALL FOKEV(-32766,0) color block.

CALL POKEV(-32748.0) reset block.

Use CALL POKEV(-32280.0) and CALL POKEV(-32766.0) together for a combined effect and CALL POKEV(-32768.0) to reset to normal.

Now the most interesting CALL LOAD comes from Mark Finkelstine of East Windsor, NJ 08502 via Home Computer Magazine. Thois CALL LOAD was erased by hitting GUIT. First, type a short program into Extended Basic with the memory expansion on. Then type CALL PEEK(-31952,A,B,C,D) :: PRINT A;B;C,D . The first I values shown point to the start of the line # table. The second pair of values point to the end of this table. WRITE DGWN THESE NUMBERS. Now press GUIT and reenter Extended Basic. Next type CALL INIT. Now you have to reload the values you wrote down. Do this by typing CALL LOAD(-31952,A,B,C,D) replacing the A,B,C,D with the values you got before. Type LIST and it pops back. There is only one drawback.

If you add any lines to your program after you have found the 4 numbers, you must re-PEEK that address and get the 4 new values. If you do not do this, and then try to place the old values in memory, your computer will most likely LOCK UP!

This one is indescribable.

10 CALL CLEAR:: CALL INIT:: CALL LOAD(8196,63,248)::CALL LOAD(16376,84,32,32,32,32,48,0)

20 CALL LOAD(12288,2,224,131,224,2,1,240,129,216,1,131,212,216,1,1193,216,1)

30 CALL LOAD(12308,140,2,2,1,244,135,216,1,140,2,6,193,216,1,140,2,6,155)

40 CALL'LINK("T")

50 INPUT As:: IF As="C" THEN CALL CLEAR:: SOTO 50 ELSE 50

From GARY NOEL CIS# 75166.324

!!!THERE IS A TI BULLETIN BOARD IN CHATTANOOGA!!!
It is called THE MINDS (or is it MINEST) of MORIA. The phone number is:

267-1721
I have found it to be very busy. I did get to leave my name and handle but have heard nothing in return. I have even forgotten my handle. Ch well!

We intend to spend more time on those who are interested in the basics of Basic. If you are interested, contact Kerry, Ron, Larry, or Dave.

THE PANASONIC KX-P1091 A review by Kerry Roach

This will be the first of several articles describing and reviewing the new peripherals that I have purchased for my system. The first installment will be cover a PANASONIC KX-P1091 printer. In the second installment we'll take a look at a CORCOMP 9900 DISK CONTROLLER CARD, which provides double sided double density disk capability for the 99/4A. I am very impressed by the operation of both products and really enjoy using them.

The P1091 printer is the second in PANASONIC'S line beginning with the P1090 and continuing up the scale to the P1093. It has a 9X9 print head with a 5X7 character matrix. The character definitions include 96 ASCII characters in both normal and italic sytles plus 32 international characters. In addition, there is also an IBM-PC Matrix Printer and a Graphics Printer modes which provides for 64 block characters and 132 special characters. The following paragraphs will illustrate the different character pitches including draft pica, elite, condensed, and proportional printing modes. This paragraph and the above is printed in the near-letter quality mode.

This printer will handle single sheet or fanfold (having both friction and tractor feeds) ranging in widths from 4 to 9 inches and heights from 5 to 14.3 inches. The ribbon is a cartridge type with a print life of 3 million characters. The cartridge has a re-inking feature that may be used 1 time.

If graphics is your cup of tea, this printer is sure to make you happy. It has 7 different bit image graphic modes: (1) standard density - 480dpl/60dpi at 2/3 sec/line; (2) double-density - 960dpl/120dpi at 4/3 sec/line; (3) double speed, double density - 960dpl/120dpi at 2/3 sec/line; (4) quadruple density - 1920dpl/240dpi at 4/3 sec/line; (5) 640 dot density at 8/9 sec/line; (6) 576 dot density at 4/5 sec/line; and (7) 720 dot density at 1 sec/line.

In the standard print modes it has speeds varying from 22 characters/sec in the near-letter quality mode to 120+ characters/sec depending on single or bi-directional printing. That's enough numbers!

Yes, the printer has EPSON compatible control codes, and also comes with a standard parallel interface (serial available as option) and a 1024 byte buffer. A switch on the top-left of the printer allows you to select standard pica, near-letter quality pica, or porportional spacing without software commands. This is a handy feature for those of us who can't seem to remember character control codes.

All this for the low price of about \$300 through mail order or a suggested retail price of \$499 in retail stores.

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TIPS AND TIDBITS

At the last meeting the possibility of assembling a collection of newsletter articles covering BASIC. EXTENDED BASIC. ASSEMBLY, and FORTH was discussed. Several members gave a positive response to the idea, so we'll try it. We'll try to cover all the above categorys with a separate collection for each language. The articles will include the best tips and columns from all the newsletters that we have received from Users Groups across the country since we began exchanging letters. There will be a small fee for the collection to cover the printing costs.

When I purchased my CORCOMP DISK CONTROLLER, the dealer informed me that my TI disk drive would function in double density for only a short time. Well, he was partially correct. After about a week the drive would not initialize a disk in double density, but would read and write with no errors. Earl and I tried his second drive on my system, and the drive had no problem formating the disk in double density. After thinking about the problem and listening to my drive spin the disk, I came to the conclusion that the drive was not spinning the disk a the correct speed. To make a long story short, my drive is now working fine and I didin't have to shell out \$50 to have it adjusted. If you have a flourescent light, you can correctly set your drive speed using the strobe markings on the fly wheel of your disk drive and the light. Adjust the speed pct on the drive until the markings corresponding to 60 cycles appear to be stationary while the flywheel is turning. Since initialization apears to be the most critical, adjust the speed while initializing a disk. Since the formating process takes longer than a read or write, you have more time to get the speed adjusted correctly.

BE CAREFUL NOT TO DAMAGE THE BOARD WITH STATIC ELECTRICITY.

Our new slate of officers is:

President KERRY ROACH Vice-President RON MITCHELL Treasurer LARRY BRYANT Secretary DAVE HICKS

We need to give them all the support we can and in turn the return in computer knowlege and sophistication will be rewarding and maybe even surprising. PITCH IN!