

PRESIDENT'S COMMENTS

IT'S HARD TO REALIZE BUT OCTOBER IS ALMOST HERE AND THREE-FOURTHS OF THE YEAR IS ALREADY GONE. THIS MEANS THAT ELECTION OF NEW OFFICERS FOR OUR GROUP IS JUST AROUND THE CORNER. A NOMINATING COMMITTEE WILL BE APPOINTED SOON TO TRY TO PICK A SLATE OF OFFICERS THAT WILL BE ENTHUSIASTIC TO MOVE HUG THROUGH 1985 WITH A CONTINUED EFFORT TO MAKE OUR GROUP EVEN MORE HELPFUL AND RESPONSIVE TO THE WISHES AND NEEDS OF OUR MEMBERS.

IF YOU HAVE AN HONEST INTEREST IN IMPROVEMENT OF ANY OR ALL ASPECTS OF THE GROUP'S ACTIVITIES. PLEASE DON'T BE MODEST. LET ANY OF THE PRESENT OFFICERS OR ANY MEMBER OF THE NOMINATING COMMITTEE KNOW OF YOUR INTEREST. WE NEED YOU. IF YOU HAVE SPECIAL KNOWLEDGE IN PROGRAMING OR ABOUT THE COMPUTER OR APPLICATIONS SOFTWARE, THAT IS GREAT. IF, HOWEVER, YOU FEEL THAT YOU HAVE A REAL INTEREST IN THE PROGRESS OF THE GROUP BUT DO NOT FEEL QUALIFIED IN ANY AREA OF TECHNICAL KNOWLEDGE OR EXPERTISE, THAT IS FINE, ALSO. OUR MAIN CONCERN IS IN IDENTIFYING AS MANY PEOPLE AS WE CAN WHO ARE WILLING TO HELP US IN SOME CAPACITY DURING 1985. WE KNOW OF SOME, ALREADY. LET US KNOW ABOUT YOU.

AS SOME OF YOU MAY KNOW, I USE MY COMPUTERS IN MY BUSINESS. WHEN I LOOK BACK OVER THE LAST THREE YEARS, I AM STILL VERY GLAD THAT I CHOSE THE 99/4A AS MY COMPUTER. AT THAT PARTICULAR TIME, I WAS NOT SURE THAT IT WOULD HAVE THE CAPABILITY, OR THAT I WOULD HAVE THE ABILITY, TO COMPUTERIZE MY ACCOUNTING BUSINESS. I REALLY HAD FEW CHOICES AT THAT TIME CONCERNING WHICH AFFORDABLE COMPUTER TO BUY. THE APPLE WAS THE ONLY OTHER REAL CHOICE. AFTER A LENGTHY EVALUATION, I DETERMINED THAT, FOR THE MONEY, THE 99/4A WAS THE ONE I WANTED. I AM STILL CONVINCED THAT THAT DECISION WAS THE RIGHT ONE. EVEN THOUGH THE APPLE HAD MUCH MORE SOFTWARE AVAILABLE, MY NEEDS HAVE BEEN MORE THAN ADEQUATELY MET BY THE 99/4A. OF COURSE, THE PROPER BUSINESS SOFTWARE WAS ALSO NECESSARY AND THIS WAS AVAILABLE FROM FUTURA SOFTWARE, IN FORT WORTH. MY 99/4A'S AND I HAVE WORKED WITH FUTURA THROUGH MANY VERSIONS OF THEIR BUSINESS SOFTWARE AND WE ARE, HOPEFULLY, STILL GOING STRONG.

WHAT DO YOU USE YOUR COMPUTER FOR? I THINK IT WOULD BE INTERESTING IF YOU LET US KNOW. THINK ABOUT SUBMITTING AN ARTICLE TO THE NEWSLETTER, IN WHICH YOU LET US KNOW JUST HOW YOUR COMPUTER IS USEFUL TO YOU. IT COULD GIVE SOME OTHER MEMBER OF OUR GROUP SOME IDEAS ON MAKING BETTER USE OF THEIR COMPUTERS.

I HOPE TO SEE YOU AT OUR NEXT MEETING. IT WILL BE ON OCTOBER 7. "BE THERE OR BE SQUARE."

WAYNE WRIGHT

LIBRARY GLITCHES

Program errors are in the following programs. If you have encountered the error and corrected it, please share your solution so that the master copy may be corrected. Otherwise, the program may have to be removed from your library. Should you encounter errors in other programs, please jot a note to let me know the problem and if you have found the solution.

054 REVERSE OTHELLO (REVERSI) The program fails to allow a second player & refuses to procede past the first four moves. There is a "FOR-NEXT" loop error message which shows up in line 3860 (NEXT M).

081 CHECKERS This is a good game and usually runs with no problem. However, there is a GOTO 32767 statement in line 150.

BUGS FOUND!

100 SUPER STARTREK Thanks to Paul Hutnacher for de-bugging this one. Correct your copy to read as follows:

```
8430 DISPLAY AT(20,2):"direction:";R+(((ABS(KB)-ABS(L))+ABS(KB))/ABS(KB)):: GOTO 8460
```

```
20060 NEXT C :: CALL B(100):: FOR A=1 TO 21 :: CALL DELSPRITE(A) :: NEXT A :: SUBEND
```

Bill Rister

MEETING MINUTES

Sunday, September 9, 1984

Wayne Wright, President, called the meeting to order at 2:00 p.m. It was the consensus that Minutes be published in the NEWSLETTER. Editor Bill Knecht announced that deadline for items in the NEWSLETTER as the weekend following the meeting.

Bill Rister, Librarian, suggested authors submitting programs to the Library include instructions, Rem statements, etc., for clarity.

David Mather, Treasurer, said comprehensive financial reporting would be available next month when a new accounting system is completed.

Wayne Wright announced the selection by the Executive Committee of Don Lewis as Membership Chairman. The appointment was unanimously confirmed. Don invited anyone with names of potential members to leave a message for him on our Bulletin Board, or on his answering machine (353-5295).

Larry Pipkin, Vice-President, Special Interest Groups, invited all those not enrolled in a SIG to join; and all those interested in the BBS to help share in the operation by leaving a "contribution" or forwarding a check to HOUSTON USERS' GROUP (HUG-TIBBS) c/o Stephen Foster.

Stephen Foster reported on the exciting growth of HUG-TIBBS, stating that calls are received daily from all over the United States in addition to being actively used by our own club members.

The best means of cleaning Command Modules and the Console's outlet was discussed; the consensus was that using isopropyl alcohol was safe and any non-residue cleaner that would not hurt the plastic parts (such as Kontakt Clean as manufactured by Chemtronics) was acceptable.

New products' review was presented by Mike Matula including "Super Sketch", Navarone's "Super Duper" (a high speed disk-duplicating program), "Graphics Grabber" for graphics including a screen dump (XB), "Copy-Cat", a sophisticated disk copier which enables copying of protected programs for one's own use. He introduced new books which reveal continued interest by suppliers in the TI-99/4A, Cor-Comp's DD Card, as well as "Spelling Checker", with a dictionary of 20,000 words and the ability to establish one's own dictionary, was demonstrated.

A reference card for TI Basic, available through B. Dalton bookstores was shown.

Bill Knecht illustrated a simplified, effective method of setting graphics by charting on graph paper and transliterating to the keyboard. (see articles featured elsewhere in this Newsletter)

Wayne Wright asked for a volunteer to distribute an information-sharing newsletter published by a group in Bakersfield, CA. Sandor Karpathy volunteered.

The meeting closed at 4:00 p.m.

Respectfully submitted,
Lucia C. (Chia) Greer, Secretary

FOR SALE

For Sale - 99/4A. EX. BOX, R5232 CARD, 32K MEM, DISK CONT, (2) HALF HT DISKS, COLOR MONITOR, (2) SPEECH SYN, (7) COMMAND MOD, EX. BASIC, ASSEMBLER, M. M. MODULE, 150 PROGRAMS, 100 CASSETTES, 50 DISKS, BOOKS, MAGAZINES AND MORE...\$1100.00 Ken Burnett 455-8380

For Sale - TI99/41, EXPANSION BOX, DISK DRIVE, EXTENDED BASIC, COMPUTER DESK. In original cartons. \$475.00 w/desk, \$450.00 w/o desk. Sharron Fox 461-2828 (day)

ELECTRONIC TYPEWRITER

This program is from the St. Louis 99er and was written by Roy T. Tamashiro. It uses a 40-column screen display and allows you to type in an 80 character line, then edit it before pressing ENTER to transmit to the printer. It works great for typing a short letter or notes. Requires Extended Basic, 32K memory expansion, printer.

```
100 ! ELECTRONIC TYPEWRITER
110 ! BY ROY T. TAMASHIRO
120 ! TI XBASIC/MEM EXP/PRINTER
130 ! FCTN S moves cursor to left
140 ! FCTN D moves cursor to right
150 ! FCTN 3 deletes entire line of text
160 ! FCTN 2 insert space for additional character
170 ! FCTN 1 delete a single character
180 CALL INIT :: CALL LOAD(8196,63,248):: CALL LOAD(16376,84,89,80,69,32,32,48,1
90)
190 CALL LOAD(12288,0,0,0,1,48,36,255,0,255,0,255,0,255,0,255,0,255,0,255,
0,49,148)
200 CALL LOAD(12312,255,0,255,0,255,0,255,0,2,48,13,0,80,32,32,32,32,32,32,32
,32,32,32)
210 CALL LOAD(12336,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,
32,32,32,32)
220 CALL LOAD(12360,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,
32,32,32,32)
230 CALL LOAD(12384,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,32,
32,0,255,0)
240 CALL LOAD(12408,42,32,69,76,69,67,84,82,79,78,73,67,32,84,89,80,69,87,82,73,
84,69,82,32)
250 CALL LOAD(12432,42,32,69,110,116,101,114,32,97,32,108,105,110,101,32,111,102
,32,116,101,120,116,58,32)
260 CALL LOAD(12456,40,84,121,112,101,32,69,78,68,32,119,104,101,110,32,100,111,
110,101,46,41,32,2,224)
270 CALL LOAD(12480,131,224,2,1,240,129,216,1,131,212,216,1,140,2,6,193,216,1,14
0,2,2,1,244,135)
280 CALL LOAD(12504,216,1,140,2,6,193,216,1,140,2,2,224,48,0,4,192,2,1,128,0,4,3
2,32,32)
290 CALL LOAD(12528,5,128,2,128,3,192,22,250,2,0,0,7,2,1,138,0,4,32,32,32,5,128,
2,128)
300 CALL LOAD(12552,0,32,22,250,2,0,0,87,4,32,32,32,5,128,2,128,0,112,22,250,2,0
,0,47)
310 CALL LOAD(12576,4,193,4,194,208,98,48,120,2,33,96,0,4,32,32,32,5,128,5,130,2
,130,0,25)
320 CALL LOAD(12600,22,245,2,1,32,0,2,2,0,1,216,129,48,36,5,130,2,130,0,81,22,25
0,2,0)
330 CALL LOAD(12624,1,184,4,193,4,194,208,98,48,146,2,33,96,0,4,32,32,32,5,130,5
,128,2,130)
340 CALL LOAD(12648,0,22,22,245,2,0,1,224,4,194,208,98,48,168,2,33,96,0,4,32,32,
32,5,130)
350 CALL LOAD(12672,5,128,2,130,0,22,22,245,2,0,2,48,200,0,48,32,6,160,50,240,19
2,32,48,32)
360 CALL LOAD(12696,2,1,126,0,4,32,32,32,2,0,5,0,216,0,131,116,4,193,2,0,32,0,2,
2)
370 CALL LOAD(12720,255,0,4,32,32,28,144,32,131,124,19,26,144,160,131,117,19,243
,2,3,0,5,6,3)
380 CALL LOAD(12744,2,1,9,192,6,1,22,254,4,32,32,28,144,32,131,124,19,11,144,160
,131,117,19,228)
390 CALL LOAD(12768,4,32,32,28,192,195,22,239,152,32,48,34,131,117,22,220,216,32
,131,117,48,34,4,193)
400 CALL LOAD(12792,208,96,131,117,2,129,8,0,22,15,4,194,192,160,48,32,2,130,2,4
8,22,2,4,96)
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(Continued next page)

Electronic Typewriter -continued

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410 CALL LOAD(12816,49,144,6,2,200,2,48,32,6,160,50,240,4,96,49,144,2,129,9,0,22,2,4,96)
420 CALL LOAD(12840,50,178,2,129,13,0,22,2,4,96,50,206,2,129,7,0,22,2,4,96,48,190,2,129)
430 CALL LOAD(12864,4,0,22,20,192,32,48,32,2,32,253,209,2,2,0,80,192,194,6,3,216,163,48,36)
440 CALL LOAD(12888,48,36,6,2,128,3,22,249,2,1,32,0,216,193,48,36,4,96,49,144,2,129,3,0)
450 CALL LOAD(12912,22,20,192,96,48,32,2,33,253,209,192,193,2,0,0,80,5,131,216,9,48,36,48,36)
460 CALL LOAD(12936,5,129,128,3,22,249,2,2,32,0,216,194,48,36,4,96,49,144,2,129,32,0,26,251)
470 CALL LOAD(12960,2,129,126,0,27,248,192,224,48,32,2,35,253,209,216,193,48,36,6,160,50,240,192,96)
480 CALL LOAD(12984,48,32,2,129,2,127,17,2,4,96,49,144,5,129,200,1,48,32,4,96,49,144,120,32)
490 CALL LOAD(13008,131,124,131,124,4,192,2,1,0,1,2,2,48,36,4,32,32,16,120,32,131,124,131,124)
500 CALL LOAD(13032,2,224,131,224,4,96,0,112,2,0,2,48,2,2,0,1,4,193,208,98,48,36,2,33)
510 CALL LOAD(13056,96,0,4,32,32,32,5,128,5,130,2,130,0,81,22,245,4,91)
520 OPEN #1:"PIO"
530 CALL LINK("TYPE",W$):: IF SEG$(W$,1,3)="END" THEN CLOSE #1 :: CALL PEEK(2,A,B):: CALL LOAD(-31804,A,B)
540 PRINT #1:W$ :: GOTO 530
```

TIPS & INFORMATION

THE TI EXCHANGE CENTER IS LOCATED AT 3950 GREENBRIAR. STAFFORD, TX 77477. Phone 490-3690.

PRINTING D/V80 FILES - If you have some programs that have D/V80 files as instructions, here is a good way to print them out without them taking up all the margin area on the paper. I personally like to print these and place them in a binder. With 80 characters on the line, there's not much room for punching holes. So I change the print mode to 12 char/inch and set a left margin. To do this (with the Gemini 10-X) I use the following: Select TI BASIC and enter the following: 100 OPEN #1:"PIO" 110 PRINT #1:CHR\$(27);CHR\$(66);CHR\$(2);CHR\$(27);CHR\$(77);CHR\$(12); Turn your printer on and run the program. Without turning your printer off, go to the Editor/Assembler and select the print option. Then print out the file. You now have 1 inch margins. -Bill

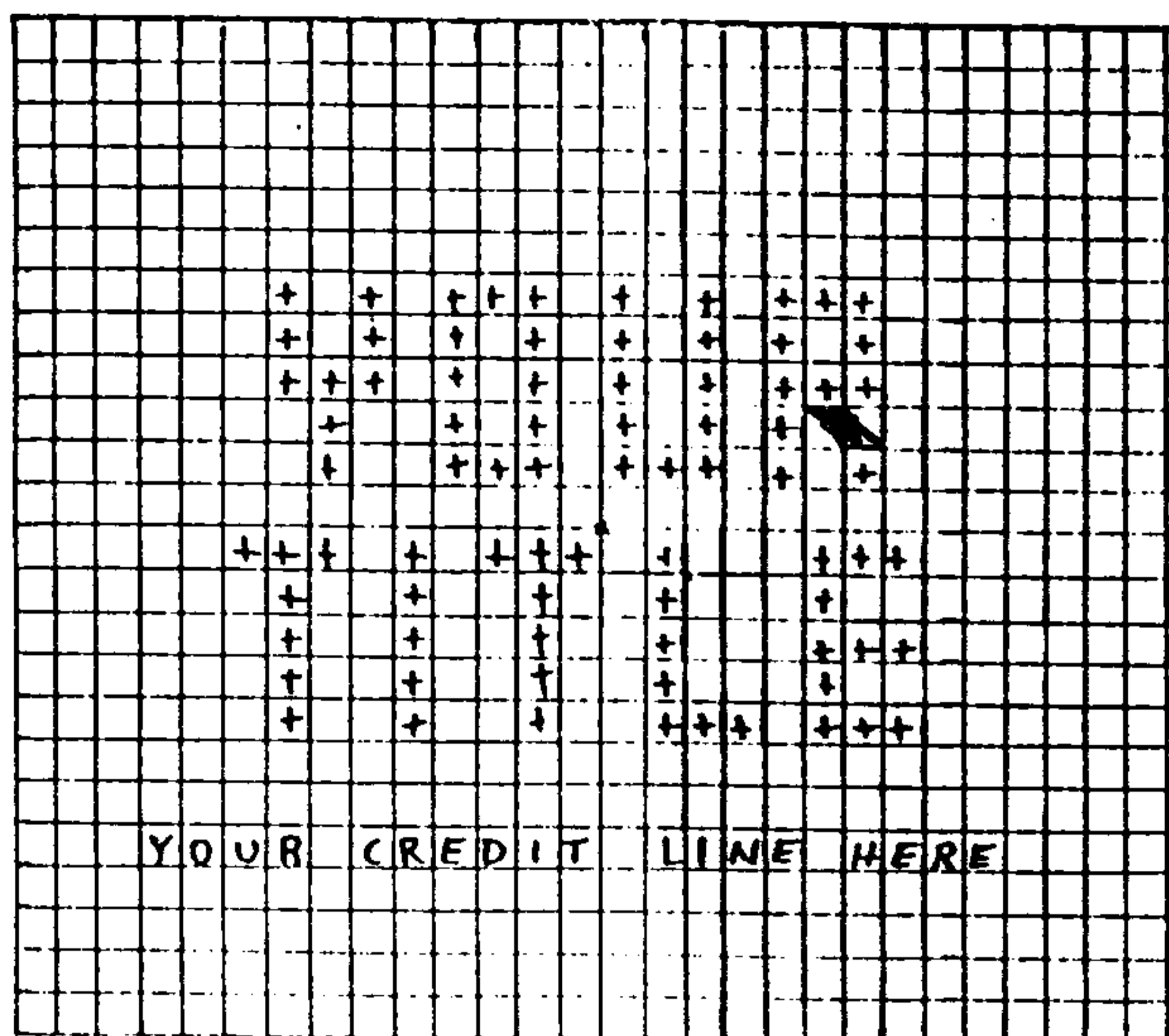
INFO FROM HUG-TIBBS - For those of you who cannot call the board, we will pass on some interesting information. Rumors are that Cor-Comp has decided not to release the "Phoenix" computer, but plan to have a console similar to the 99/4A out by Christmas (1984 we hope). MICROpendium is reported to have secured the rights on the TI Extended Basic module. Another company is coming out with 70 new game modules in the \$10-\$20 price range. Lot of good information coming our way thanks to Stephen and Jerry.

If anyone is interested in GENEALOGY with Computers, contact Agnes McCabe @ 677-0235 or Chia Greer @ 668-4500.

Houston Community College is offering a course on TECHNICAL WRITING ON MICROCOMPUTERS. One of our members, Dr. Ellen Raghavan is the instructor. For more information call her @ 871-9015 or 721-9043.

WE'RE GETTING FAMOUS! Besides all the people who are becoming familiar with HUG thru HUG-TIBBS, we are getting known for other reasons. Larry Pipkin & Bill Knecht had their FORTH Copier Load Program featured in the St. Louis 99ers Newsletter and the Summit 99'er (Ohio) Newsletter, Tony Johnson's Cursor program was in the Summit Newsletter and Bill's workstation (the one he built) is to be written up in the Tasmanian (Australia) Newsletter. Seems like Bill is becoming popular in Tasmania and has found a real good friend down there in Rex Shephard. They've been swapping information, programs, stamps, newspapers, pictures, etc.

EASY TITLE SCREENS



At last month's meeting, Bill Knecht went thru the steps to create a bold-letter title screen, but due to a slip of a finger, the final display was not seen. Here is a BASIC program that shows you just how this type screen is made, without using CALL HCHAR and CALL VCHAR statements. This procedure works fine on most graphic displays, not just bold letters. All you need is 24X28 column graph paper to design your display on.

```

100 CALL CLEAR
110 CALL SCREEN(5)
120 FOR I=2 TO 8
130 CALL COLOR(I,16,1)
140 NEXT I
150 CALL CHAR(43,"FFFFFFFFFFFFFFFF")
160 CALL CHAR(44,"7E3F1F0F070301")
170 CALL CHAR(45,"80C0E0F0F8FCFEFF")
180 PRINT "      + + +++ + + +++"
190 PRINT "      + + + + + + + +"
200 PRINT "      +++ + + + + +++"
210 PRINT "      + + + + + +,-"
220 PRINT "      +   +++   +++ + +"
230 PRINT
240 PRINT "      +++ +   +++ +   +++"
250 PRINT "      + + + + + +"
260 PRINT "      + + + +   +++"
270 PRINT "      + + + +   +"
280 PRINT "      + + +   +++ +++"
290 PRINT
300 PRINT
310 PRINT "      YOUR CREDIT LINE HERE":::
320 FOR I=1 TO 1000
330 NEXT I
340 CALL CLEAR
350 PRINT "PROGRAM STARTS HERE..."
360 END

```

CLEAR SCREEN
 SETS SCREEN COLOR TO DARK BLUE
 LOOP TO SET COLOR OF CHARACTER SETS
 2-8 TO WHITE

CHANGES "+" TO SOLID CHARACTER
 CHANGES ", " TO ▽
 CHANGES "- " TO ▴
 STARTS PRINTING ON SCREEN

",-" MAKES A SLANT ON "R"

DELAY LOOP

Space may be conserved by changing lines 180-310 to the following:

```

180 PRINT TAB(6);"+ + +++ + + +++":TAB(6);"+ + + + + + + +":TAB(6);
"+++ + + + + +++":TAB(7);"+ + + + + +,-"
190 PRINT TAB(7);"+   +++   +++ + +":TAB(5);"++++ +   +++ +   +++":TAB(6);
"+ + + +   +"
200 PRINT TAB(6);"+ + + +   +++":TAB(6);"+ + + +   +":TAB(6);
"+ + +   +++ +++":
210 PRINT "      YOUR CREDIT LINE HERE":::

```

TI-Writer Printer Default

If you use TI-Writer and PIO.LF as your printer command, you can now change the printer default so you just have to hit ENTER rather than re-typing the command. The procedure is as follows:

If you have the disk fixer DISKO, load it and select option 1. Go to section 58 (HEX). Use FCTN 2 to switch to ASCII and on line 3 you should see RS232.BA=1200.LF. Use FCTN D to move the red cursor to the beginning of this command (the R) and type in PIO.LF and 10 spaces to block out the rest of the old command (thru LF). Next hit FCTN 8 and answer "Y" to the prompt. That's it.

In case RS232.BA=1200.LF is not at 58, you can use option 2 of DISKO to locate the beginning of FORMAl, proceed 10 sectors, and you will find the printer default information. *from Mid Atlantic 99ers*

NOTE: If you do not have DISKO and the Editor Assembler, we will be glad to make these changes for you. Just bring a COPY of your TI-Writer disk to the HUG meeting between 1:15 and 1:45 p.m. and we will make the change, time permitting. Only takes about 1 minute to do it.

EDITOR'S ROM

I was just noticing that there will be only two more Newsletters this year, so it is time to start thinking about next year. I have been Editor for over a year and I feel it is time to help HUG in some other way. New people mean new ideas. We need some new ideas in the Editor's role and I would like to use my ideas elsewhere.

To be Editor, you need a full system (32K memory, printer, disk drive). The reason for this is that the club maillist requires all this for printing out labels. You need not be a journalist, but being able to write helps. I've been involved in newsletters and magazines for 14 years.

You might ask, why would someone want to be Editor? There are a lot of advantages, such as receiving newsletters from about 20 other groups, thus gaining a lot of information and free programs, you make new friends in these other groups, you have a means to express yourself (though I try to refrain from too many personal opinions) and most importantly, you get the appreciation of the HUG members. It always makes it worth the effort when someone comes up and tells me "what a great job I'm doing".

President Wayne says if I mention the following, I might not find a volunteer, but I feel I need to tell you. The job of Editor takes a lot of time. I usually spend 6-8 hours typing and laying out the newsletter, then I take it to the printer. While it is being printed, I print out the address labels from the maillist that I have already updated. A few days later I pick up the printed copies and spend 2-3 hours folding, stapling, labeling and posting. Then about a week before the meeting I head for the mailbox. Even when I was in Canada a few months ago, I had to get someone to mail the newsletter so it would be on time.

Sounds like a lot of work, doesn't it. (It's not as much as Bill Rister's job). Is it worth all the time? Look around...how many organizations can say that over 50% of its members attend the club meetings. I feel the Newsletter keeps people informed about what's happening and keeps them involved.

So, here's your chance! Let us know if you might like to serve HUG next year as Editor.

-Bill

COLOR DISPLAY

Below is the listing for a short EXTENDED BASIC program which creates different color patterns on the screen. The uniqueness of the program is that it was written by by 11 and 12 year old Wayne & Kylie Shephard of Tasmania, Australia. With kids starting to write programs at an early age, just think of the software that will be available around the year 2000.

```
100 CALL CLEAR :: CALL SCREE
N(5):: FOR SET=1 TO 8 :: CAL
L COLOR(SET,16,5):: NEXT
SET
110 CALL CLEAR :: DISPLAY AT
(8,3):"COLOR DISPLAY."
120 FOR DELAY=1 TO 250 :: NE
XT DELAY :: DISPLAY AT(12,4)
:"WAYNE AND KYLIE."
130 FOR DELAY=1 TO 250
131 NEXT DELAY
132 DISPLAY AT(20,1):"PRESS
'ENTER' TO SEE DISPLAY."
140 CALL KEY(0,KEY,STATUS)::
IF KEY<>13 THEN 140
150 CALL CLEAR
160 RANDOMIZE
170 CALL CHAR(96,"FFABCDEFFE
DCBAFF")
180 CALL CHAR(104,"FF0101010
1010FF")
190 CALL CHAR(112,"FF8080808
08080FF")
200 CALL CHAR(120,"FFC1C1C1C
1C1C1FF")
210 CALL CHAR(128,"FFA1B2C3D
4E5F6FF")
220 CALL CHAR(136,"FFFACEDBF
12345FF")
230 CH=88
240 FOR R=1 TO 12
250 CH=CH+8
260 IF CH<137 THEN 280
270 CH=96
280 CALL HCHAR(R,R,CH,34-R*2
)
290 CH=CH+8
300 CALL VCHAR(R+1,33-R,CH,2
5-R*2)
310 CH=CH+8
320 IF CH<137 THEN 340
330 CH=96
340 CALL HCHAR(25-R,R,CH,33-
R*2)
350 CH=CH+8
360 CALL VCHAR(R+1,R,CH,24-R
*2)
370 NEXT R
380 FOR Z=9 TO 14
390 CALL COLOR(Z,RND*15+1,RN
D*15+1)
400 NEXT Z
410 GOTO 380
```

LETTER TO THE EDITOR

Just got a note from Brad Arnold (past Librarian's son) in Indonesia. He said the closest TI was in Singapore and that Indonesia was IBM & Apple crazy. He enclosed a program for the HUG Library which is a UCSD Pascal Disk Copier that copies twice as fast as the Pascal Filer.

LATE NOTICE FROM THE EDITOR:

I can now accept TI-Writer files via modem. I picked up a copy of TI-Writer yesterday. I still like Direct Writer II better, but it's nice to have both.

HUG LIBRARY ADDENDUM
October 1984

- 097 WAR GAMES 1**TI-B If you saw the movie, you'll know how to play. Follow the same steps as in the movie. 20 sectors
- 123 DRAUGHTS**XB The Australian name for checkers. A well-written, smooth game. 36 sectors
- 129 HANGMAN**TI-B This very smooth version by Walter Moore will also run in Extended Basic. 22 sectors.
- 130 OTHELLO**TI-B J. Crawford's well-written version will also run in Extended Basic. The program allows one player against the computer or two players against each other. 37 sectors
- 131 COMPUTER BINGO**XB, Speech Rqd. The computer calls the numbers and you furnish the card. When you bingo, the computer will check your numbers. 24 sectors
- 132 GRAND PRIX**XB, Joystick Rqd. Race your blue car in the Grand Prix & dodge the oncoming cars. Displays time & score. Written by Craig Rappl of Tasmania User's Group. 22 sectors
- 133 ANT WARS**TI-B, Joystick Rqd. You are a blue ant. Your goal is to eat all the food before the yellow ants kill you. 20 sectors
- 134 BLACKJACK**XB You start with a \$500 bankroll. Can you increase your bankroll or do you lose it all? 45 sectors
- 135 MAZZO**XB Keep the sprite moving by opening & closing gates with the keyboard. Good game! 30 sectors
- 136 DOG CATCHER**XB, Speech Rqd. Time counts down as you (the dogcatcher) move across the screen chasing dogs. To win, you must catch 5 dogs before time runs out. Use the E & X keys to move up or down. 29 sectors
- 595 MY COUNTRY 'TIS OF THEE**XB Displays the American flag & plays the first verse of the song, then repeats itself. 5 sectors
- 596 JESU, JOY OF MAN'S DESIRE**XB Displays organ keyboard & music staff. A note moves on the staff as Bach's music plays. 34 sectors
- 597 WALTZING MATILDA**TI-B Displays the Australian flag while the music plays. 26 sectors
- 598 TALES FROM THE VIENNA WOODS**XB Revised version of program 571 with graphics by Bill Knecht. 34 sectors
- 599 MANDY**TI-B Title screen & singalong words with nice music by Bill Knecht. 27 sectors
- 600 CAN'T HELP FALLING IN LOVE**TI-B or XB Title screen with nice music. Prompt allows you to select the tempo. 21 sectors
- 739 GRAPHICS TUTORAL**TI-B This well-written program by Bill Knecht explains graphics & leads you through the process of building a scene. 36 sectors
- 740 KIRK**XB, Disk, Printer & Prog 713 Rqd. PrintArt portrait of Captain Kirk. 27 sectors
- 741 SPOCK**XB, Disk, Printer & Prog 713 Rqd. Prints portrait of Mr. Spock. 28 sectors
- 742 MICKEY MOUSE**XB, Disk, Printer & Prog 713 Rqd. Prints picture of Mickey walking. 17 sectors
- 743 PAC MAN**XB, Disk, Printer & Prog 713 Rqd. Prints stylized version of Pac Man. 18 sectors
- 744 PHANTOM JET**XB, Disk, Printer & Prog 713 Rqd. Photograph-like picture of F-4E Phantom II. 19 sectors
- 745 TWEETIE BIRD**XB, Disk, Printer & Prog 713 Rqd. Prints Tweetie standing. 32 sectors
- 746 PLUTO**XB, Disk, Printer, & Prog 713 Rqd. Prints Pluto sitting. 22 sectors
- 747 CHARLIE BROWN**XB, Disk, Printer, & Prog 713 Rqd. Prints Charlie standing. 35 sectors
- 748 HUG A WARM PUPPY**XB, Disk, Printer & Prog 713 Rqd. Prints Snoopy in the "Hugging Booth". 54 sectors
- 749 1984 CALENDER**XB, Disk, Printer & Prog 713 Rqd. Prints 1984 calender on 8-1/2 x 11 sheet. 15 sectors
- 750 PINK PANTHER**XB, Disk, Printer & Prog 713 Rqd. Prints Pink Panther standing with arms crossed. 18 sectors
- 751 MINI VISIONS**XB. This program produces continuously changing pattern on the screen. 18 sectors
- 752 PICTURE POSTCARD**XB, Disk Rqd. The Perth (Australia) User Group sends a two-sided picture postcard showing a sailing ship & the Americas Cup. Music accompaniment includes "Sailing" and "C'mon Aussie". 78 sectors
- 753 COLOR VISIONS**TI-B This program produces continuously changing designs on the screen for forty minutes and then starts over with new color sets. 25 sectors
- 754 THE GUILLOTINE**XB, Speech Rqd. You'll lose your head over this graphic display with music & speech by Bill Knecht. 24 sectors
- 927 NANCY'S BILLS**TI-B, Cassette Recorder Rqd. This well-written basic program calculates and/or updates household expenditures. Save data to tape. Read the REM statements for instructions. Can be modified for disk storage. 28 sectors
- 928 MONTHLY EXPENSES**TI-B, Cassette Rqd. Keep track of monthly expenditures & organize for input to the TI Household Budget Program. Also tracks checks & checkbook balance. Can be modified for disk use. 37 sectors
- 929 TREASURY**XB, Printer Rqd. This program by R. D. Durham calculates and prints incremental interest and cumulative values for a zero coupon investment if held to maturity. 15 sectors
- 1119 FIRST AID, PT 1**XB. This short course with graphics is well-written by Dr. Jack Goldberg of the Tasmania, Australia User Group. 32 sectors
- 1120 FIRST AID, PT 2**XB, Speech Rqd. More first aid tips from Dr. Goldberg with short quizzes. 30 sectors

1121 ABC's**XB, Speech Rqd. This well-written program teaches the alphabet and numbers by flashing a number or digit on the screen & speaking same. You are required to press the corresponding key. Press Q at the menu prompt to end the session. Can also be used to improve your touch typing. 14 sectors

1122 BASIC PRIMER II**TI-B San Moore's screen display explains semi-advanced use of TI-Basic. 37 sectors.

1123 MATH PROBLEMS**TI-B, Speech Rqd. Elementary math drill by Cliff Donohoo presents problems with your choice of difficulty and gives your score at the end of the session. 17 sectors

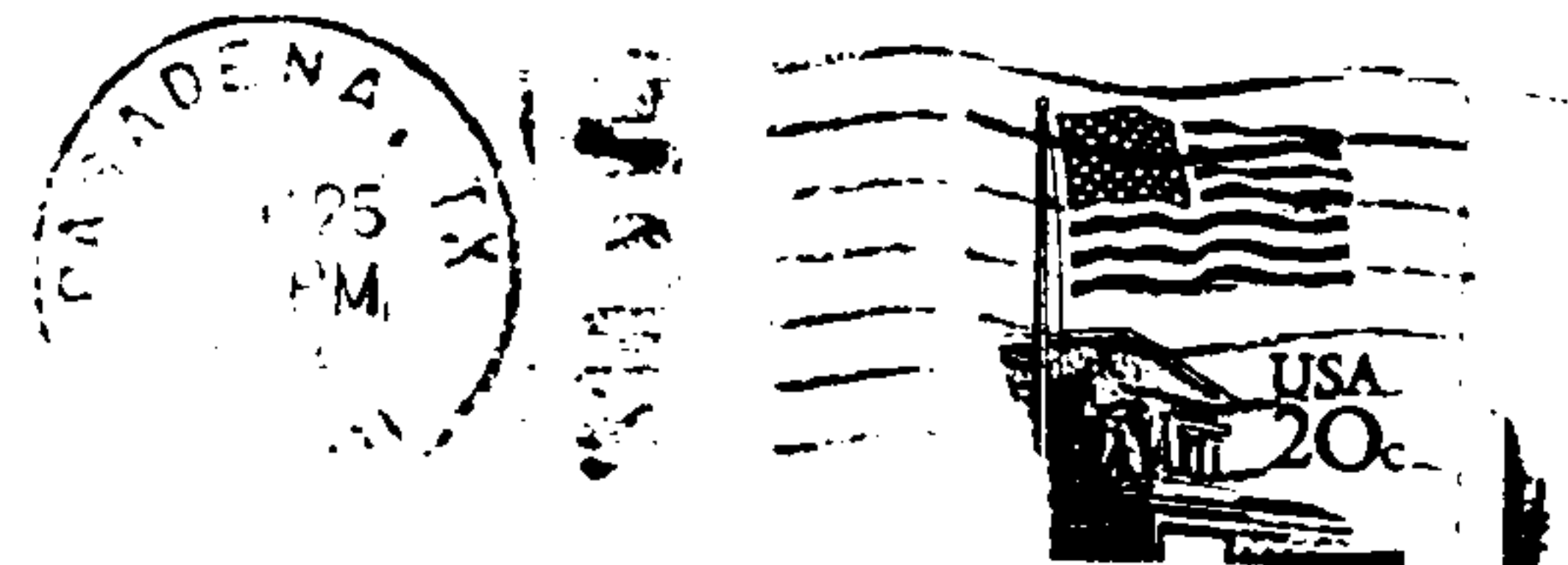
1352 TI-FORTH DOCUMENTATION**TI-WRITER, Disk & Printer Rqd. Print your own documentation for program 1340, TI-FORTH, using TI-WRITER. Filenames are A through P. Requires 5 SSSD disks. 1625 sectors

1353 JOYSTICK SCHEMATIC**TI-B. Screen display of joystick schematic with pin-outs. 11 sectors

1354 REVISED DISK INDEXER**XB, Printer Optional Streamlined version of Mike DeFrank's program will catalog SSSD thru DSD0 disks to the screen and/or printer. Can also delete and run programs. 19 sectors

1355 KOPY-KAT**XB, Disk Rqd. This program by the TI User Group of Jackson, Ms. will copy to an initialized disk in single or multiple drives. **REQUIRES ONE SSSD DEDICATED DISK.** 196 sectors

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