

HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP
 USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP
 GROUP HOOSIER USERS HOOSIER USERS GROUP
THE HUGGERS
HOOSIER USERS GROUP
People Helping People
 HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP
 USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP
 GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP HOOSIER USERS GROUP

June 1988

THE HUGGERS NEWLETTER

Volume 6, Number 5

THE LIMA CONFERENCE

Lima, Ohio, turned out to be a bit farther from Indianapolis than any of us realized, but the Lima Users Group Conference that they put on Saturday, May 21, was well worth the extra drive. The show was held, at no cost to visitors, in the Student Activities Building at Northern Ohio University. Charlie Good, a Biology professor and one of the live wires of the sponsoring users group, told us that they get fantastic support from the college-free use of the facilities, printing at cost, loan of a VCR camera and free duplication of a tape of the day's programs, and a guaranteed meeting place—they meet in the Biology Lab, and he has ultimate say-so on who goes into his lab! When we got there, vendors were set up on tables all around and in the middle of a large cafeteria. A continuous series of programs was presented in the room next door: a Geneva demo, a discussion of the future of TI users groups, a blind user who has three different speech synthesizers for different uses with his system, Jim Peterson showing his utilities disks, and demos of a new genealogy program, a program to combine TI Artist and TI Writer files, Funnelweb 4.2, including a new config program, which will be available soon, and a demo on how to videotape the output from a computer.

I will be glad when our club gets, for \$5 to cover the tape and postage, the copy of all the programs; I want to see the couple of early ones we missed. The Lima group says it only has 15 or 20

(CONTINUED ON PAGE 5)

STILL DRIVING

by

Jim Ellis

Although I didn't state 'to be cont'd' last month, I felt that I stopped short of all the information needed. The tab to write protect a CF-2 compact floppy is a small slide made right into the disk housing. I use housing because it is rigid, unlike the 5" disk. The ones that I have were made by Maxell, also, known at Hitachi Maxell, Ltd. They are made by other companies as well. They can store up to 180K per side. The drives come housed in a nice cabinet w/p/s that measures 22cmD x 19cmL x 12cmH (8.7in x 7.5in x 4.7in). I got the one made for Big Blue that had a 37 pin 'D' connector, which I removed so I could run the 34 wire cable through the opening. It is a little hard to re-use the 34 pin connectors that they come with as the pins all come out when taken apart, but it can be done! You have to change the switch to set the second drive for drive 2 as they used the same scheme that IBM used, they roll part of the 34 wires, to select drives with ALL set as drive 1. I can use mine on my TI or on my CoCo II. They become drives 3 and 4 on my TI, while remaining drive 0 and 1 on my CoCo II. (See article elsewhere in this letter to see how it is done.) As I said originally, this is just so you can more online disk space for your own use with an existing 5" drive as it can give you more disk space without paying \$90 for a 5" drive plus \$50 for a cabinet with power supply, prices are approximate. Later....

PRINTING WITH TI-WRITER

by
W. Stewart Ash

I read with a great deal of interest the article *TI-WRITER-PLUS* that appeared in the February 86 issue of *MANNERS*. After all, I've been using TI-Writer for almost three years and I'm always willing to learn a new trick. But I had a few questions about the article. The author suggests that to print more than 80 columns from TI-Writer, you must use the Print File feature (stripping out the control codes) rather than the Save File option of TI-Writer. This solution to printing 80 columns poses another problem. If I strip out the control codes from my text, as the author suggests, I lose some flexibility in how I transmit instructions to my printer. It meant I would have to leave the word processor environment, write a basic program to put the printer in the font I wanted, then re-enter TI-Writer to print the document. So I started experimenting with TI-Writer and my printer just as the author did. But I reached a different conclusion than the author.

The article was absolutely right when it said we weren't limited to printing 80 columns. But I think the author gives TI-Writer too much credit for this limitation and not enough credit to the CPU in the printer. There is, in fact, a limitation to the number of characters per line. But, it's based only upon the size or font of the printer characters. In other words, the printer's CPU will limit you to "X" number of columns per line when using a particular print type or font. As you can see in figure #1 below, if you are using the ELITE print font, you are limited to 96 columns per line. If you are using the ENLARGED CONDENSE print font, you are limited to 68 columns per line. These figures are for 8 inch wide paper.

Figure .1

Print Font	Max Columns	CPI
CONDENSE	136	17
NORMAL PICA	80	10
ELITE	96	12
ENLARGE PICA	40	5
ENLARGE ELITE	48	6
ENLARGE CONDENSE	68	8.5

We run into problems when we tell the printer CPU to do things it can't do. For example, if we tell it to print 136 columns of pica font on paper 8 inches wide (80 columns). It can't do it, so it prints as much as it can on one line, drops down one line, prints the rest, then does a line feed. In other words, it does what it can, which may not be necessarily what we wanted it to do.

By experimenting, I found out that it is not necessary to strip the control characters out of a file, or use Print File instead of Save File or to use the Adjust command (.AD) to access the maximum columns of your printer (At least, not on my Gemini-10X). You must, however, print through the Formatter and you must use the fill command (.FI), if you want more than 80 columns. Otherwise, the Formatter will default to non-fill (.NF) and print an exact copy of the Text-editor screen (80 columns). Just set the right margin

command (.RM) to the right margin you want (ex: .RM 120). Select any print font that has a maximum column number higher than the right margin number just selected (see figure #2). Then send the proper printer codes to the printer for the print font you want using either the special control characters (page 98 & 146 of the TI-Writer manual) or the Transliterate command (.TL). This way, you don't have to leave the word processor to change printer fonts. And away you go.

Figure .2

IF LINE LENGTH (RM - LN) EQUALS	YOU CAN PRINT THESE FONTS
2 TO 40	1,2,3,4,5,6
50 TO 68	1,2,3,6
69 TO 80	1,2,3
81 TO 96	1,3
97 TO 136	1

LEGEND: 1= CONDENSE PRINT	(17 CPI)
2= NORMAL PICA	(10 CPI)
3= ELITE	(12 CPI)
4= ENLARGED PICA	(5 CPI)
5= ENLARGED ELITE	(6 CPI)
6= ENLARGED CONDENSE	(8.5 CPI)

I think of TI-Writer as a large tool box with many tools inside. Almost daily, I'm discovering a new tool in this tool box. My thanks to the author of *TI-WRITER-PLUS* for helping me understand another one.

As you may have noticed, this article contains 4 different printer fonts. It was printed by the Formatter (in one pass) using the procedures above.

JUNE PROGRAM

Mr. L. L. Conner will be at the June meeting and will be doing the monthly program. He will be demonstrating some of the products that he has for sale in his TI store. This promises to be an excellent opportunity to find out about all of those products and programs that you have wanted but, not seen work yet.

EDUCATIONAL USERS

We originally bought our TI console in June of 83 (fantastic timing!) since the Apple salesman never bothered to call us back. At the time our main goal was to learn simple computer operation and to supplement our three children's schoolwork with educational cartridges.

Our interests have expanded with our system, and now that we are home-schooling our two 9th graders and our 5th grader, we have seemed to utilize the TI most with them for math practice (Plato and anything by Milliken), Scholastic Spelling, and wordprocessing with Funnelweb. I also encourage the periodic spates of text adventure games the kids play, figuring that logic and typing exercise can't hurt.

I would like to hear from any other teachers, home or classroom, who use the TI with their students--what programs and techniques interest and help your kids, what have you found worthwhile or useless? Please write Mary Rose Clark, 610 Shelby Street, Shelbyville, Indiana, 46176. Thanks.

WORD PROCESSING FANS

There will be a word processing discussion group at the meeting this month after the regular program. It will be oriented mainly towards beginning users of TI-WRITER. Other programs will also be discussed and possibly demonstrated. It does not take a full system to do word processing.

PLEASE BRING YOUR SYSTEM IF AT ALL POSSIBLE!! WHILE IT IS HEAVY THERE IS NOTHING TO HARM YOUR SYSTEM IN TRANSPORTING IT.

EVERYONE WANTS TO USE THE LIBRARY OR SEE DEMO'S BUT WE CAN'T WITHOUT COMPUTERS.

OFFICERS

PRESIDENT....JOHN POWELL 786-3270
VICE-PRES.....CARL CLARK 1-398-622
LIBRARIAN.....PHIL DUBBS 299-575.

MONTHLY MEETING LOCATION

ST.ANN'S SCHOOL
2839 S. McCLURE
INDIANAPOLIS, IN

MEETINGS OPEN AT
2:00 PM

DISCLAIMER

This newsletter is brought to you through the efforts of the officers and members of the HOOSIER USERS GROUP. Every member is encouraged to submit articles.

If you have an article you would like to share with the other members mail it to:

John Powell
327 W. Southern Ave.
Indianapolis, IN 46225

Opinions expressed are those of the author and not necessarily those of the HOOSIER USERS GROUP.

MEETINGS FOR THE REST OF THE YEAR ARE SCHEDULED AS FOLLOWS:

JULY	17
AUGUST	21
SEPT.	11
OCT.	09
NOV.	13
DEC.	11

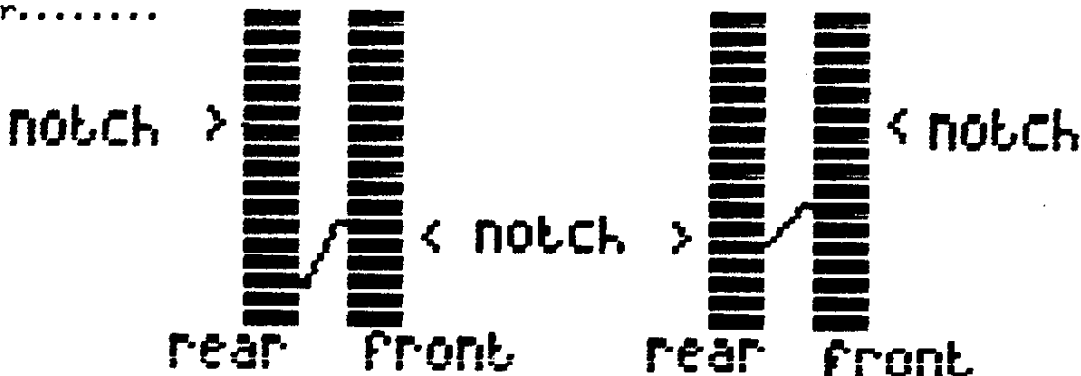
PLEASE NOTICE THAT JULY AND AUGUST ARE ON THE THIRD SUNDAY DUE TO SCHEDULING CONFLICTS.

TRICKS FOR THE TI

by

Jim Ellis

Who remembers the small printed circuit board that TI supplied for use with the external drives? Well, here is another use or rather a modified use. I added two more drives to my system, but I also needed to use these drives with my Radio Shack CoCo II. Problem, how to make the drives that were set up as drive 0 and 1 (1 and 2) for the CoCo appear as drives 3 and 4 for the TI with Corcomp Controller? Solution, modify the p.c. board that TI provided. NOTE: The contacts do not go straight across, but are plated THROUGH the board and end up on the reverse side! First find pins 10 and 12 on the side of the board fed from the RS-232 card. Second, cut the foil so that they do not go to pins 10 and 12 on the RS-232 side. Third, solder jumper from pin 14 on the RS-232 side to pin 10 on the drive side. Fourth, solder from pin 6 on the RS-232 side to pin 12 on the drive side. Remember, these are numbered with the even on one side and the odd on the reverse side. Note: ALL ODD are grounded. You will need to make up a short additional cable (3 or 4 inches or 7 to 8 cm) in order to insert this adapter in line. How it works; when the computer selects drive 3, the signal is diverted to drive 1 external and when the computer selects drive 4 the signal is diverted to drive 2. All other signals are common with ONLY the drive select line being the determining factor as to which drive the computer talks. Later.....



(CONTINUED FROM PAGE 1)

active members; it obviously doesn't take a lot of manpower to put on a very enjoyable show. I know 5 Huggers who had a great time and will be back if there is a "Second Annual" version next year.

```

*****
*
* SOUTH SIDERS MEETING
* SECOND-----THURSDAY
* AFTER THE MEETING
* MONTHLY
* CALL 786-3270
* FOR LOCATION
*
*****
    
```

```

#####
#
# PASTE UP PARTY
# HELP GET THE NEWSLETTER
# OUT
# FIRST THURSDAY EACH MONTH
# AT BOB STAHLHUT'S HOUSE
# CALL 856-4962
#
#####
    
```

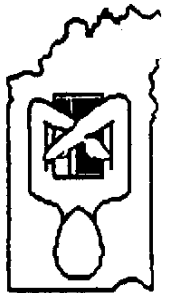
WHO HAS NOT PUT UP THEIR POSTERS YET?

Steven Sims
212 South Hancock
Indianapolis, IN 46222
88/12 7755

TIME DATED
JUNE 12 1988
MATERIAL



HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222
Forwarding and Address
Correction Requested



APPLICATION FOR MEMBERSHIP

Below you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, up and download on the HUGbbs, attendance and voting rights at regular club meetings, access to the HUGger Library of Programs, special club activities and special guest speakers for one year. Subscribing members will receive the **NEWSLETTER** only.

Make check or money order payable to **Hoosier Users Group**. Send completed application to:

HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222

(Cut on dotted line)

Check One:

Active Member

New: \$20 _____
Renewal: 15 _____

Subscribing Member

New: \$10 _____
Renewal: 7.50 _____

Amount Enclosed: \$ _____

_____ D _____
S _____

Name: _____ Today's Date: _____

Address: _____ Apt. # _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ - _____

Interests/Comments: _____