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THE HUGgers
HOOSIER USERS GROUP
People Helping People
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April 1990

THE HUGgers NEWLETTER

Volume 9, Number 4

SECRETARY'S MINUTES

The March 18 meeting was called to order by President Dan Eicher. It was noted that there 16 members in attendance.

The first order of business was the Lima confrence in Lima, Ohio on May 26. Darla Wright confirmed letter was sent to reserve a table for our group.

Discussion was then oppened about what we are going to sell, and then to organize the work.

Items to be sold are:

Funnelweb 4.21 documentation, printed and bound in notebook form.

GPL Manual, printed & bound in notebook form.

The Best of HUG newsletters, printed & bound in notebook form.

Card edge connectors for P-box & module port.

Buttons.

Walter Farmer will bring his Zeno board to the next meeting, & give us a demo of its use. (if he doesn't blow it up again) This has been a very difficult project and Walter has agreed to share all the little inside secrets of

"HOW NOT TO DO IT!" or "IT'S NOT THAT HARD AFTER YOU'VE DONE IT TWICE!"

Seriously though, this will be something you won't want to miss. If you don't want to build this board at least.

COME TO THE MEETING & HAVE A LOOK!!

Hope to see more of you on April 8th.

OBITUARY

The following has been taken from the Phila Area Users Group via Reading-Berks 99ers

We were saddened to learn recently of the death of one of our most valued members, Someone Else. Someone's passing created a vacancy that will be difficult to fill. Else had been with us almost since our club was formed, and, during that time, Someone did far more than a normal person's share of the work. Whenever leadership was mentioned, this wonderful person was looked to for inspiration, as well as results.

It is often said, "Someone Else can work with the Group or Committee." Whenever there was a job to be done or a meeting to attend, one name was on everyone's list. "Let Someone Else do it."

Someone Else was a wonderful person, sometimes appearing superhuman. But a person can only do so much work. Were the truth be known, everyone just expected too much from Someone Else. Now Someone Else is gone, and we wonder what we are going to do.

(CONTINUED ON PAGE 5)

MENU SELECTION OF TYPE STYLES.....by Ed Machonis



This 10 line TI BASIC program enables selection of any of the 128 type styles available on the Epson RX-80 printer. If line spacing and margin combinations are included, more than 1024 variations are available. It will also print a test line of print, showing the appearance of the selected style.

Selections should always start by pressing 1 for RESET to insure that previous selections are canceled. Printers that do not support a master reset should be turned off and then back on at this point.

Styles are combined by successive selections, i.e., COMPRESSED EXPANDED UNDERLINED DOUBLE STRIKE is obtained by selecting: 1 <ENTER> 4 <ENTER> 3 <ENTER> 8 <ENTER> 7 <ENTER>

The control codes are entered in LINE 10. CHR\$(27), the ESCape code is obtained by pressing CONTROL and PERIOD at the same time. CHR\$(15), turning on Compressed style, is obtained by pressing CONTROL AND 0. (Not Zero)

Due to its short length, the program loads quickly and can be placed on the TI-WRITER and MULTIPLAN disks to enable selection of different type styles before printing. (Compressed Underlined is great for printing MULTIPLAN files, making 132 columns available on 8-1/2" paper.)

It can also be placed at the beginning of other programs which utilize a printer, where it will permit setting up the printer each time the program is run.

RX-80

```

1 DIM P$(15)

2 READ P$(1),P$(2),P$(3),P$(
4),P$(5),P$(6),P$(7),P$(8),P
$(9),P$(10),P$(11),P$(12),P$
(13),P$(14),P$(15)

3 OPEN #1:"P10"

4 PRINT : "COMBINE STYLES BY
SUCCESSIVESELECTIONS- I.E. C
    
```

```

OMPRESSED EXPANDED UNDERLINE
D DOUBLE STRIKE=1-4-3-8-7"
    
```

```

5 PRINT : "1 PICA/RESET", "8
UNDERLINE", "2 ELITE", "9 TEST
", "3 EXPANDED", "10 EXIT", "4
COMPRESSED", "11 SUPERScript"
    
```

```

6 INPUT "5 EMPHASIZED 12 SU
BSCRIPT 6 ITALIC 13 I/
2 LINE SP7 D'BLE STRIK 14 R
MARGIN 6715 L MARGIN 13 ?":I
    
```

```

7 IF (I<1)+(I>15) THEN 5
    
```

```

8 PRINT #1:P$(I)
    
```

```

9 IF P$(I)<>" THEN 5
    
```

```

10 DATA #0,#M,#M1,#E,#4,#8
,-1,QUICK BROWN FOX JUMPS O
VER THE LAZY RED DOG 1234567
890 TIMES,,S0,S1,I,1,QC,#1
    
```

In LINE 10:
#=CONTROL PERIOD
0=CONTROL 0 (Not Zero).

The last character is a lower case L, NOT the figure 1.

NOTE: when program is listed to a printer, LINE 10 will not print properly and will send control codes to the printer.

When listed to screen, and when entering, a graphic symbol or a blank space will appear in place of the CONTROL character.

The program can be adapted to other printers by changing the OPEN statement in LINE 3 and the codes in LINES 8 & 10 as required. Refer to pg III-2 in TI's User's Reference Guide for the CONTROL KEY equivalents (Pascal Mode) of the printer's control codes. Appropriate changes should also be made in LINES 5 and 6. The sequence of the printer control codes in LINE 10 must match the numerical sequence of the style names. Note that EXIT is accomplished with a comma immediately following the comma after TIMES

Certain printers, such as the AXIOM, will not recognize CONTROL PERIOD as an escape code. For these printers the program must be modified to send the ESCAPE code as CHR\$(27), etc.

The following program shows such a modification for the RX-80 printer. We have to give up the instruction display and the test for a valid input in order to hold the program down to 10 lines.

Please note the space immediately following the first quotation mark in Line 10. The space is important and the program will not work properly without it. (Can you tell why?)

PRINTSTYLE (For RX-80)

```

1 DIM P$(15)

2 READ P$(1),P$(2),P$(3),P$(
5),P$(6),P$(7),P$(8),P$(9),P
$(10),P$(11),P$(12),P$(13),P
$(14),P$(15)

3 OPEN #1:"P10"

4 PRINT : "1 PICA/RESET", "9 T
EST", "2 ELITE", "10 EXIT", "3
EXPANDED", "11 SUPERScript", "
4 COMPRESSED", "12 SUBSCRIPT"

5 INPUT "5 EMPHASIZED 13 I/
2 LINE SP6 ITALIC 14 L
MARGIN 137 D'BLE STRIK 15 R
MARGIN 678 UNDERLINE 7":I

6 PRINT #1:CHR$(27)&P$(I)

7 IF I<>4 THEN 9

8 PRINT #1:CHR$(27)&CHR$(15)

9 IF I<>10 THEN 4

10 DATA #,M,M1,E,4,6,-1," QU
ICK BROWN FOX JUMPS OVER THE
LAZY RED DOG 1234567890 TIM
ES",,S0,S1,I,1,QC
    
```

Note: P\$(14), the next to last data item, is a lower case letter L, not the figure 1.

QB-99'er NEWSLETTER

MENU SELECTION OF TYPE STYLES.....CONTINUED

Both of the above programs were tested on the Gemini 15 printer and operated without any problems.

The following program incorporates the control codes required for the letter quality mode on the Epson LX-80 printer. It has been successfully tested on that printer.

LX-80

```
1 DIM P$(16)
2 READ P$(1),P$(2),P$(3),P$(4),P$(5),P$(6),P$(7),P$(8),P$(9),P$(10),P$(11),P$(12),P$(13),P$(14),P$(15),P$(16)
```

```
3 OPEN #1:"PIO"
```

```
4 PRINT : "1 PICA/RESET", "9 TEST", "2 ELITE", "10 EXIT", "3 EXPANDED", "11 SUPERSCRIPT", "4 COMPRESSED", "12 SUBSCRIPT"
```

```
5 INPUT "5 EMPHASIZED 13 1/2 LINE SP6 ITALIC 14 L MARGIN 137 D'BLE STRIK 15 R MARGIN 678 UNDERLINE 16 NR LTR QUALSELECT ONE: ? ":I
```

```
6 PRINT #1:CHR$(27)&P$(1)
```

```
7 IF I(<)4 THEN 9
```

```
8 PRINT #1:CHR$(27)&CHR$(15)
```

```
9 IF I(<)10 THEN 4
```

```
10 DATA @,N,W,I,E,4,G,-1,"QUICK BROWN FOX JUMPS OVER THE LAZY RED DOG 1234567890 TIM ES",,S0,S1,1,1,QC,x1
```

NOTE: P\$(14), the third data item from the end in Line 10, is a lower case L, not the figure 1.

As mentioned above, the Axiom printer would not accept CONTROL PERIOD as an escape code. The following program is a modification of PRINTSTYLE using the control codes required for the Axiom 6P550 printer. It has been successfully

tested on that printer.

AXIOM

```
1 DIM P$(15)
2 READ P$(1),P$(2),P$(3),P$(4),P$(5),P$(6),P$(7),P$(8),P$(9),P$(10),P$(11),P$(12),P$(13),P$(14),P$(15)
```

```
3 OPEN #1:"PIO"
```

```
4 PRINT : "1 PICA", "9 UNDERLINE", "2 ELITE", "10 PROPORT'NAL", "3 CONDENSED", "11 TEST", "4 ELONGATED", "12 SUPERSCRIPT"
```

```
5 INPUT "5 ITALIC 13 SUPERSCRIPT 6 CORSP PICA 14 1/2 LINE SP7 CORSP ELITE 15 EXT B BOLD ? ":I
```

```
6 PRINT #1:CHR$(27)&P$(1)
```

```
7 IF I(<)4 THEN 9
```

```
8 PRINT #1:CHR$(27)&CHR$(14)
```

```
9 IF I(<)15 THEN 4
```

```
10 DATA N,E,C,@,B,H,Q,@,X,P,@QUICK BROWN FOX JUMPS OVER THE LAZY RED DOG 1234567890 TIMES,U,D,7,
```

The asterisk before the word QUICK in Line 10 should not be omitted.

As the Axiom 6P550 does not support a master reset code, it may be desirable to include the control codes for ending a selected style. (Although this can always be done by turning the printer OFF and then ON.) A tested version of the above program that includes the codes for ending selected styles follows.

AXIOM 2

```
1 DIM P$(20)
2 READ P$(1),P$(2),P$(3),P$(4),P$(5),P$(6),P$(7),P$(8),P$(9),P$(10),P$(11),P$(12),P$(13),P$(14),P$(15),P$(16),P$(17),P$(18),P$(19),P$(20)
```

```
4),P$(5),P$(6),P$(7),P$(8),P$(9),P$(10),P$(11),P$(12),P$(13),P$(14),P$(15),P$(16)
```

```
3 READ P$(17),P$(18),P$(19),P$(20)
```

```
4 OPEN #1:"PIO"
```

```
5 PRINT : "1 PICA", "11 TEST", "2 ELITE", "12 SUPERSCRIPT", "3 CONDENSED", "13 SUBSCRIPT", "4 ELONBATED", "14 END ELONG AT"
```

```
6 PRINT "5 ITALIC", "15 6 LINES/IN.", "6 CORSP PICA", "16 8 LINES/IN.", "7 CORSP ELITE", "17 12 LINES/IN", "8 BOLD", "18 END BOLD"
```

```
7 INPUT "9 UNDERLINE 19 END UNDERL10 PROPORT'NL 20 EXT IT SELECT ONE: ? ":I
```

```
8 PRINT #1:CHR$(27)&P$(1)
```

```
9 IF I(<)4 THEN 11
```

```
10 PRINT #1:CHR$(27)&CHR$(14)
```

```
11 IF I(<)14 THEN 13
```

```
12 PRINT #1:CHR$(27)&CHR$(15)
```

```
13 IF I(<)20 THEN 5
```

```
14 DATA N,E,C,@,B,H,Q,@,X,P,@QUICK BROWN FOX JUMPS OVER THE LAZY RED DOG 1234567890 TIMES,U,D,@,6,8,7,8,Y,
```

The author gratefully acknowledges the helpful assistance of QB-99'er members in testing these programs on their various printers.

The above programs are placed in public domain and permission is granted to reproduce this paper, whole or in part, in User Group Newsletters provided credit is granted to the author and the QB-99'ers Newsletter.

A problem everyone has at one time or another is deciding how a particular program loads. The following are aids from Bruce Carson (user group unknown) and Ken Smith (Great Lakes U.G.). The lists are not quite complete, since so many programs have appeared after they were originally published and many use file types not covered here, but they are a good beginning. The two articles complement each other and have been set up to be folded in half to make a quick reference card.

(Reprinted from the Jan. '90 BYTEMONGER)

SIMPLE RULES FOR LOADING PROGRAMS

- I. Catalog the disk.
- II. Look at titles, if name is:
 - UTIL1 - Use E/A opt.5 or TI Writer opt.3. Ignore filename request and press enter. Program will autoload (from drive 1 only).
 - LOAD - Use Extended Basic program will autoload.
 - xxxDOC. README. or HELP - documentation or instructions. Usually prints through TI Writer.
- III. Look at file types:
 - DIS/FIX - E/A opt.3 DSK1.NAME
 - DIS/VAR 80 - TI Writer.
 - DIS/VAR 163 - Extended Basic (also used for merge format).
 - PROGRAM - Extended Basic, Basic, E/A opt.5 or TI Writer opt.3. try them in that order. Some artist programs also use this format.
 - INT/FIX - Ususally a file loaded from an Extended Basic program.
 - DIS/FIX 128 or INT/FIX 128 - may be an Archived file. Un-arc with Barry Boones' Archiver program.

notes

LOAD LIST

PROGRAM	SIZE	D/V	D/F	I/V	I/F
BASIC.....	163				
XBASIC.....	<45 163				
XB (XMEM).....	>45			254	
E/A 5 RUN.....	33/34				
TIWRITER 3 UTIL	34				
RLE.....	54				
GRAPHX.....	54				
DRAWABIT.....	54				
DRAWABIT II.....	57				
DRAWNPLOT.....	25				
TIARTIST.....	25				

FILE

XB (MERGE).....	163				
DATABASE.....	163				
TI WRITER.....	80				
E/A 1 EDIT.....	80				
TI ARTIST.....	80				
INIT:LOAD:LINK.	80				
SPECIAL LOADER.	80	80			
E/A 3 LOAD+RUN.		80			
CSGD.....			254		
JOYPAINT.....				128	
SQUEEZED.....				128	
ARCHIVED.....		128			
INDIRECT.....		64	any	128	any
S.A. ADVENTURE.	54				
TUN. of DOOM...	52				

1. Catalog disk
2. Read directory file data
3. Select load environment from table

notes

```

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
: TI-WRITER HANDY HINTS :
:
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

```

#1. Do you have a long file in TI-WRITER, of which you want only a portion printed. You can laboriously go through loading the file into the console's memory and then deleting the lines you don't want -- OR you can do the following: Load the file into memory and determine which lines you want to print. Make a note of the line numbers, then exit TI-WRITER and then go back to the command mode of the TI-WRITER editor.

When in the command mode, enter the first line number of the section of the file you want to print, space, the last line number of the file you want to print, space and the file name. The lines you have specified will load into the console. All you have to do then is to save the 'new' file under a different name and print it as a new file.

If you want to print multiple copies of one or more pages of an otherwise long file which contains many pages, this method will save you much time, since the computer does not have to scan the long file page by page before printing the next copy of the page(s) you want.

Some of the files in the genealogy I'm working on contain as many as 20 pages, and if I have to update only one or two pages of the file, and want to print out 6 or 7 copies of the amended page, TI-WRITER would have to scan all the pages before sprinting each copy, so I use the method described above to save time.

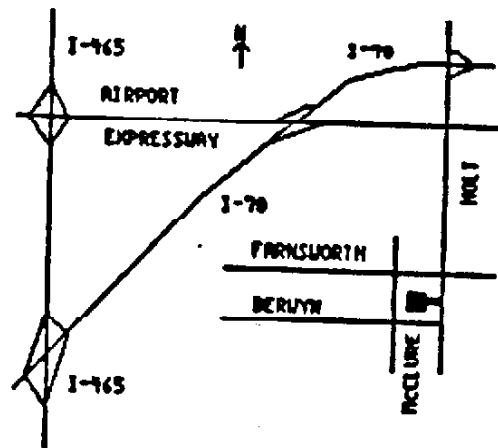
#2. If you have a workable program and work out an improvement that necessitates adding, deleting or changing some lines, don't make the changes in your original file until you have determined the changes are as you want them! I seem to be always fooling with the WEATHER FORECASTER, so I generally load the program into memory, make my amendments and test them. If they need additional work, I save the program to a different disk, using a different name (i.e: WEATH-2 instead of WEATHER) and use the new file for amending purposes. When I think I'm finished and I think I have all the bugs worked out, I change the name of the temporary file to match the name of the original file and then copy it over the original using either the copy function or the move function of the DM1000. Make sure the original version is not protected before attempting to copy over it.

#3. From one of the publications: When using TI-WRITER, if you want to place a slash (/) through the zero digit, use the TL command 48:48,8,47. the number 48 is ASCII for the zero, 8 causes the printer to backspace one position and print ASCII character 47 (/) each time the program encounters a zero. I have added the TL command to my heading file to accomplish this without having to think of it each time I type a zero in my compositions. Here is an example: 0-0-0 -- get it?
FROM BILL BERENDTS

(CONTINUED FROM PAGE 1)

Someone Else left a wonderful example to follow, but who is going to follow it? Who is going to do the things that Someone Else did?

Editors note: Someone Else will surely be missed by the Central Pa 99/4A Users Group. But, life continues, so maybe Someone Else's cousin, "I'll Do It" will step in and fill the void.



MONTHLY MEETING LOCATION
LITTLE HOUSE NEXT TO THE
ST. ANN'S SCHOOL
2839 S. McCLURE
INDIANAPOLIS, IN
MEETINGS OPEN AT
2:00 PM
APRIL 8 1989

BBS
Hoosier Users Group
Baud rate 300, 1200 & 2400
On Line 24 Hours Daily
782-994A

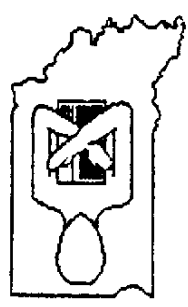
Now with a Hard Drive
on an experimental basis
courtesy of Gary McQuade

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TREASURER..GARY McQUADE	888-5654
LIBRARIAN..BRYANT PEDIGO	255-7381

MATERIAL
APR 18 1990
TIME DATED

HOOSIER USERS GROUP
P.O. Box 2222
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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:

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P.O. Box 2222
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(Cut on dotted line)

Check One:

Active Member

New: \$20 _____
Renewal: 15 _____

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Renewal: 7.50 _____

Amount Enclosed: \$ _____

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