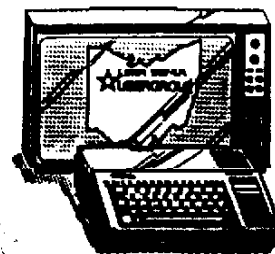




# BITS, BYTES & PIXELS

LIMA AREA 99/4A USER GROUP



APRIL 1988 VOLUME 4 #4

Turn on the real power of TI-Writer  
and your printer with PLUS!

A review by Charles Good

**PLUS!**, a greatly enhanced version of what used to be called **FUNLPLUS**, is a fairware offering that consists of a DSSD or SSSD floppy disk filled with templates designed to allow you to make maximum use of the advanced features of TI-Writer, particularly as it is used in v4.0 of Funnelweb. If you have a STAR printer (Gemini 10X, SG, L series), **PLUS!** also allows you to do useful things with your printer's built in special graphics characters that go from ASCII 160-254. The rest of the **PLUS!** disk is filled with personal and business letter templates, tutorials, and a diverse variety of extended basic utility programs. Some of this XD software was written by the **PLUS!** author Jack Sughrue, and some is from the public domain. Many know Jack Sughrue as the author of the **IMPACT 99** series that is published in many newsletters. The heart of **PLUS!** is its TI-Writer enhancements. If you wish to make the very most of TI-Writer and do not consider yourself skilled at utilizing the FORMATER and its .TL and .IF format commands, then read on!

### TI-Writer enhancements:

With expensive word processors, such as **WORD STAR** there are format commands that you can type right into the body of the text that cause the printer to do special things. You can, with these embedded format commands, turn on and off underlining, different fonts such as italics and near letter quality, switch in and out of subscript or enlarged lettering, etc. You can see these format commands in your text on the screen, but they are not printed. Instead, when a format command is received by the printer, the printer switches on or off one of its special features. In TI-Writer there only two such embedded format commands. All other formatting is done with dot commands such as ".RM 75". Most dot commands must be on a separate line, so they make your text look funny when viewed with the editor, and for many TI users the dot commands are difficult to understand. Many members of my user group only use the TI-Writer editor and have never themselves written anything designed to be printed through the formater.

**PLUS!** contains a series of templates that each, among other things, allow the use of a wide variety of embedded formatting commands. These templates are based on the use of the formater dot commands .IF and .TL and work their magic when your text is printed out via the TI-Writer formater. You don't have to know anything about this stuff in order to use these templates, however. Everything is done more or less automatically.

If the **PLUS!** disk is in DSK1, then all you have to do to access one of these templates is to go to the TI-Writer editor. From the editor's command mode (this is where you are when you first enter the editor) type LF <enter>, DSK1.X <enter> where X is the single digit number that loads a **PLUS!** template. Then type FCTN 0 <enter> to get rid of the line numbers on the screen, and you are ready begin typing

your text. This entire review was typed as one continuous TI-Writer editor text file using a single **PLUS!** template. By loading a single key **PLUS!** template file, the following are automatically set up:

1- Screen margins are set at 1 and 38 with word wrap on and automatic paragraph indentation 4 spaces each time <enter> is pressed. This means that the entire text is displayed on the screen with NO LEFT/RIGHT SCROLLING needed. Proof reading is easy, since you can see everything at once (except for scrolling up and down) in an easy to read 38 column display.

2- Left and right margins and, with some templates, right justification are set up which you see when you print your text to the printer through the TI-Writer formater. The final printout margins and the presence or absence of right justification vary depending upon which **PLUS!** template is loaded. Different templates give different results.

3- Special startup formats and type sizes are available in some templates. Some templates start you off with emphasized print for really good looking text. One template starts you off in condensed print in 118 columns. For really tiny printing, another template gives you condensed subscript with small line spacing (see below) in 134 columns! One of the neatest templates is in school term paper format. This term paper template has emphasized print and prints to the printer double spaced with automatic page header and footer. Try doing double spacing in the editor sometime. It isn't easy! This term paper format is really great, and it, as with all **PLUS!** templates, is totally automatic. You don't need to worry about margins, or where one page will end and another begin.

4- A complete series of embeded commands is available from each template. Most of these embeded commands are the same in each of the templates. You can print the very same text file via the formater using different templates and the differences you see will be mainly in startup format (font type, margins, double or single space, presence or absence of right justification). All you do to embed a command is type CTRL/U, then SHIFT/x, then CTRL/U without any spaces between. The "x" is a letter of the alphabet. Different SHIFT/x commands cause different things to happen. You see a funny looking symbol on the screen, but this funny symbol isn't printed. You can turn on **DOUBLE STRIKE** and then turn it off again. You can turn on **EMPHASIZED PRINT**, which the **PLUS!** docs call **Near Letter Quality**, and you can turn it off again. If you really want dark print you can **turn on both emphasized and double strike at the same time by using both of the needed commands, one right after the other in the body of the text.** How about *ITALICS on and then off.* Maybe you want to UNDERLINE part of your text and then stop underlining, all while maintaining right justification. Normally CTRL/U special character mode messes up right justification, but Jack Sughrue has come up with a partial fix. The only thing about his fix that you need to know is that **IF YOU ARE USING A TEMPLATE WITH RIGHT JUSTIFICATION, DO NOT PUT ANY SPACES EITHER BEFORE OR AFTER AN EMBEDDED FORMAT COMMAND.** The only exception to this is embeded format commands that occur at the beginning and end of a sentence. For templates that do not use right justification, you are supposed to leave spaces between all words that begin or end with a format command as would seem the natural thing to do. Some type fonts may alter the number of characters per inch and thus mess up right justification, but you can still embed commands to access these fonts.

This is **CONDENSED PRINT.**

**This is enlarged print.**

**NEXT PAGE**



```

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
00
00          J A C K   S U B H R U E          00
00          Box 459          00
00          East Douglas MA          00
00          01516          00
00          00          00
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```

You can also have single straight lines of graphics to ornament your text, like these:

```

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
////////////////////////////////////////////////////////////////////
jooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooo

```

As with the TI-Writer templates, you don't really need to know how these graphics work, you just need to merge the PLUS! graphic template of your choice into your TI-Writer text and then use FCTN/3 (delete line) to delete the template graphic lines you don't want. For those who want to know, the PLUS! docs explain everything.

**Letter Templates.**

Three letter templates are included in addition to the one shown just above. Two of these use a little known feature of TI-Writer called "include prompt". As you move down through the formater menu prompts, usually just hitting <enter> for each one, after you answer "PAUSE AT END OF PAGE: N" the printer prints the first part of the letterhead. A prompt on the formater menu screen then appears and asks "Month". After you answer, another prompt asks "Day", and another asks "Person". The month, date, the year 1988, and the "Dear \_\_\_\_\_," person are printed in their correct positions on your letter, and you can then begin typing your text, complete with embeded format commands. There is no need to move the cursor around to the correct position for typing the month, day, and person. This is done automatically! The only disadvantage to this "include prompt" way of entering data in your letter is that if you save your letter to disk for later reference, the "month", "day", and "person" names are not saved, and this is important information.

**Utility Programs in XBASIC:**

**CAT** is an extended basic LOADER menu program that reads the disk directory and allows one keypress load and run of xbasic programs. When it reads the disk directory CAT distinguishes between PROGRAMs and other types of files. CAT allows you to print the directory to a printer and to delete a file.

**INSTALABEL** prints any six lines of text you want on a sticky label, making as duplicate copies of this label as you desire.

**INSTAPRINT** prints any D/VBO file to the printer just as PF would from the TI-Writer editor.

**INSTADUMP** is the fastest XBASIC screen dump I have seen. It can easily be added to any program. its only limitation is that it won't dump redefined characters.

**INSTAMAIL** prompts you for a person's name, street, city, state, etc., then the next person's name, etc. All these data are printed in neat tabular format.

Two calendar programs are included. **YEARLY/CAL** prints four months per paper sheet, each sheet with a custom title at the top, while **DESK/CAL** prints one month per sheet and gives you the option of printing specific information, such as "Barb's birthday", in the box of any date.

**BANNER** makes banners with large letters. You can define the graphics of these letters if you want, and control their size. Banner works with all STAR printers except SG models. I don't know if it works with other printer brands.

**3/COL** will print a disk directory in 3 columns with a date and your name. The result is suitable for pasting on a disk envelope. I find this one very useful.

**IG!PAY** is just for fun! Enter some text and the screen displays a pig latin translation.

**SETUP** will configure and test any Epson compatible printer (not just STAR printers) for margins, fonts, line spacing, etc. SETUP will also print out a list of embedded commands you can use in edit mode with almost any word processor to access some of your printer's special features.

**tinyteeny** is a small word processor what prints very small letters on adding machine paper, just about the cheapest roll paper you can buy!

**PLUS!VIEW** is a razzle-dazzle screen presentation of the features of **PLUS!**. It is said to be adaptable to other types of presentations.

**P!** is only on the DSSD version of **PLUS!** since the disk is so full that there isn't room for **P!** on the floppy version. **P!** makes a cursor in the form of the **PLUS!** logo.

**MULTICOLUMN** allows you to print out text entered via a special TI-Writer template in neat two column side by side format. This is great for newsletter editors.

**GOTHIC** allows you to print out really nice gothic lettering.

**SMALLIFY** is a two step program that squeezes single line xbasic programs into very tight multiline format, saving lots of memory. **SMALLIFY** is better than several of the PD programs of this type I have seen, and is at least as good as **SMASH**, a commercial program sold a few years ago for this purpose.

**MAX-RLE** is also part of the **PLUS!** package. With it you can print many many graphic pictures to the screen, dump them to your printer, and convert them from one "artist" format to another. A really good picture of Mickey Mouse (**MICKEY**) is included on the **PLUS!** disk so you can give **MAX-RLE** an immediate try.

#### **My general impressions of PLUS!**

Taken individually, none of the material found on the **PLUS!** disk is new. Tutorials on the creation of transliteration files for use in TI-Writer have been published in newsletters and in **MICROPENDIUM**. Information about using the graphics built into STAR printers has been published Jim Peterson in his **TIPS** columns and of course can be found (if you look very hard) in the printer owner's manual. **XBASHER**, a commercial program, will squeeze xbasic code tighter than **SMALLIFY**. A fairware assembly language screen dump is faster than **INSTADUMP** and will dump redefined characters. There are fairware packages of disk catalog and calendar programs that, because of the size of the package, will do more things than the similar programs found in the **PLUS!** package. Nevertheless, the combination of features found in **PLUS!** makes it well worth the \$10 fairware asking price. The asking price of each one of the commercial and fairware offerings mentioned in the this paragraph

would equal or exceed the cost of the entire **PLUS!** package. Only in **PLUS!** can you find all this useful stuff all together in such an easy to use form at such a reasonable price.

In spite of reading articles about making .IF and .TL templates, about TI-Writer's "special graphics mode", and about printer graphics, I never attempted to try these out before I got my hands on **FUNLPLUS**, the previous version of what is now **PLUS!**. The written descriptions of .TL files and printer graphics seemed too complicated. **FUNLPLUS** and **PLUS!** have taught me almost everything I know about the advanced use of of TI-Writer and printer graphics. **PLUS!** is much improved over **FUNLPLUS**. The **PLUS!** templates are much more sophisticated and more logically organized than they were on on **FUNLPLUS** and all the **PLUS!** software works with a variety of printers. Some software on the older **FUNLPLUS** only worked properly if you used a Gemini 10X printer. It is all there on the **PLUS!** disk, templates, software, and tutorials on how to use everything. You don't have to type in any program listings and you don't have to do any trial and error creating unless you want to make your own custom templates.

If you use TI-Writer alot and if you feel adequately skilled in the creation of custom .IF transliteration files and the use of your printer's built in graphics, and if you don't think you need any of the basic software found on the **PLUS!** disk than you don't need **PLUS!**. If you use TI-Writer alot and, like me 10 months ago, you are not making your own custom .TL templates to .IF into your text files, then you really will benefit from what **PLUS!** has to offer, particularly if you are using a STAR printer.

The requested fairware donation is \$10 for first time registered users, and \$3 plus a disk and postage paid return mailer if you have previously paid for **FUNLPLUS**. Send your donation to:

Jack Sughrue  
P.O. Box 409  
East Douglas MA 01516

**\*\*DONE\*\***

**MULTI USER GROUP CONFERENCE UPDATE:**

The following have so far confirmed their participation on the Lima User Group's **FREE** conference Saturday May 21 at the Ohio State University Lima Campus:

**TABLES IN THE EXHIBIT AREA:**

Jack Sughrue, selling his fairware offering **PLUS!**  
Tigercub Software (also known as Jim Peterson).  
Bud Mills-Horizon Computer Ltd.  
Micro-Service, Ft Recovery OH, repairs on consoles and other peripherals.  
The Fort's User Group, Ft. Wayne IN.  
Cin-Day User Group, Cincinnati and Dayton OH.  
New Horizon User Group, Toledo OH area.  
C.O.N.N.I. the Columbus OH User Group.  
OH-MI-TI User group, Toledo OH area.  
Great Lakes Computer User Group, Roseville MI.  
Lima User Group, Lima OH. The Lima UG will offer **FREE** copies of anything in our disk library to a representative of each user group attending. A catalog of our library will be

available. Each UG should supply its own blank disks (there may be a dealer present selling blank disks) and select **ONE** representative to copy disks at our table. This offer is made to TI user groups only, not to individuals. Individuals are, however, welcome to join the Lima UG and thus gain access to its library.

**DEMONSTRATIONS IN THE CONFERENCE ROOM:**

Jack Sughrue- **PLUS!**  
Bud Mills Service- latest features available for Horizon Ramdisks.  
Jim Peterson- Nuts and Bolts  
Irwin Hott- blind person's use of the 99/4A.  
Dick Berry- geneology program GENE III, by Walt Davis.  
John Perkins- "How to turn your VCR into a printer".  
New Horizons- the Geneve 9640.

In addition, Rave 99 and Glidden Electronics have sent literature that will be available for distribution. For more information, or to schedule a free table or demonstration, call Dave Szipp (Lima UG president) evenings at 419-228-7109.

**\*\*DONE\*\***

**JOHN JOHNSON'S BOOT v4**  
AN OVERVIEW by Charles Good

A version of John Johnson's MENU program called BOOT has been written especially for the Genial Computerware Horizon Ramdisk eprom. BOOT is in the public domain, is now in version 4, and has been MUCH IMPROVED since I originally reviewed the Genial Horizon eprom in the November issue of BB&P. The comments about BOOT v4 which follow should be of general interest because you do not need either the Genial eprom or a Horizon Ramdisk to use BOOT. If necessary, BOOT will do its stuff using just a basic SSSD one drive disk system. As a means of displaying a powerup menu of selectable goodies at the push of a button, BOOT is in some ways easier to use and configure than either FUNNELWEB or a GRAM KRACKER.

BOOT will display a menu that allows you to do the following, usually with just one keypress:

1- Show on the screen or print to a printer or disk file a directory of any disk in any drive or any Horizon Ramdisk set at any CRU address. Some prior versions of MENU or BOOT only worked with Horizons at CRU 1000.

2- View or print to your printer any D/V80 text file.

3- Run any program that lists as "PROGRAM" in a disk directory from any disk or ramdisk at any CRU address using any drive number from 1-9. If it is an extended basic, or TI Basic PROGRAM, you need to have the XB module plugged in. If it is an EA#5 PROGRAM, BOOT does NOT need the EA module to run these. To RUN any PROGRAM you can either type in DSKxFILENAME, or mark the PROGRAM on the disk directory and then automatically run it, or select one keypress PROGRAM loading and execution from a menu of up to 15 user configurable choices. Previous versions of BOOT only allowed 6 user configurable menu choices and would only run PROGRAMS from Horizons set at CRU 1000.

4- Run the installed cartridge.

5- Run the CorComp disk manager.

6- Cycle through 48 foreground/background color combinations.

7- Switch from GROM to a ROM cartridge if you have a SUPERCART or GRAM KRACKER.

8- Go to TI BASIC by pressing "B" without the need to reset the computer and go through the title screen and powerup menu.

9- Display the time if you have any of the currently known real time clocks (such as the CorComp clocks). This display occurs automatically as soon as BOOT is booted.

Configuring the user selectable options of BOOT used to be cumbersome, requiring either a sector editor, or reassembly of the source code. Configuration of BOOT v4 is VERY EASY. All you do is press BEGIN (FCTN 5), and you get a display of the each menu item, as it would be displayed on the screen, and the PROGRAM file name that is booted by this menu item. The cursor is on the screen display of the first configurable menu item. Just type over what is already there

(up to 15 characters for the menu display) and press enter. The cursor is now on the disk file name that is booted by the first configurable menu item, so just type over that (DSKx.FILENAME) and press enter. The cursor is now on the screen display of the second configurable menu item which you can configure in the same way, etc. When finished typing in screen displays and file names press BACK and then any other key, and your configuration is automatically saved back to BOOT in whichever drive or ramdisk BOOT came from. What could be simpler! This procedure is much easier than configuring the user lists of FUNNELWEB. You can, of course RUN either the LOAD or UTIL1 portion of FUNNELWEB from BOOT.

BOOT allows for hoot disk tracking. It knows the drive name and number from which it was loaded. If you specify a wildcard (\*) in a configuration file name as DSK#.FILENAME, BOOT will go back to the drive that contains BOOT to load the file. Configured file names can be up to 30 characters, and BOOT will support hard disks with file names such as WDS1.DIR1.DIR2.DIR3.FILENAME.

BOOT is an assembly program file that can be loaded from the E/A module option 5 or from extended basic using the accompanying XB loader program. If you have a Horizon Ramdisk with the Genial Computerware eprom, you can type CALL BOOT from either basic, or configure the ramdisk to automatically load BOOT as soon as you turn on the computer.

The major advantages of BOOT v4 over previous versions are super easy configuration and the ability to boot software from literally any drive or any Horizon Ramdisk irrespective of ramdisk CRU setting. Boot is also said to be compatible with the Grand Ram ramdisk. The major limitation of BOOT is that it will only run PROGRAM files. You can't load long extended basic programs that list in a directory as I/V 254 and you can't load D/F80 assembly code.

If you want instant menu access to a list of programs, combined with some disk manager functions, than BOOT deserves serious consideration. It is especially useful with Horizon Ramdisks. If you have only floppy drives, you might consider putting a copy of BOOT on each of your commonly used floppies. User groups (not individuals) can obtain BOOT v4 and its extended basic loader from the Lima User Group. Send a disk and postage paid return mailer to P.O. Box 647, Venedocia OH 45894.

**\*\*\* DONE \*\*\***

**HOW TO AVOID BEING CHEATED WHEN PURCHASING FROM  
OUT OF TOWN DEALERS**

by Charles Good

With warnings in Micropendium and the newsletters about less than ethical dealers, some of us are a little nervous about sending money to an out of state dealer and then waiting for the goods to be delivered. Almost all retail dealers require prepayment, but WHAT IF THE STUFF YOU ORDERED NEVER ARRIVES? There is a way to guarantee that you will not loose any money if the dealer doesn't send you what you ordered and paid for. MAKE YOUR PRUCHASES BY BANK CREDIT CARD such as VISA, MASTER CHARGE, or DISCOVER.

U.S. federal law requires goods ordered from an out of state dealer and paid for in advance must be shipped within 30 days of payment. If the merchandise is back ordered and cannot be shipped within 30 days the dealer is REQUIRED to notify the customer in writing and offer the customer the choice of either a prompt refund or a continuation of the back order. If the merchandise remains back ordered, the dealer must again send such a notice to the customer every 30 days. If you pay for your order by credit card and don't get your stuff (or an offer of a refund) after 30 days, you can contact the bank that issued your charge card. Show the bank the dealer's charge on your credit card bill giving the bank as much written documentation about your order as possible. THE BANK WILL RESCIND THE TRANSACTION! The dealer's account will recieve a debit and your credit card account will recieve a credit for the amount you paid. The bank HAS TO DO THIS for paid for undelivered out of state orders, and most banks will do the same for undelivered orders from in state dealers. It is not up to you to prove to the bank that you never got what you paid for, it is up to the dealer to prove that you did if the dealer wants its debit changed back to a credit. Thus, paying by bank charge card provides you with a guarantee that you will get what you pay for!

There are other advantages to using a bank charge card:

1- IMMEDIATE SHIPMENT. Dealers that accept credit cards will be glad to take your order over the phone. Many have convenient toll free phone numbers. Once your credit card account is varified the dealer will ship immediately, since the varification guarantees the dealer payment. If you later don't pay your credit card bill that becomes a problem between you and your bank. The dealership still gets its money. You don't have to wait for your order to reach the dealer via the mail, and you don't have to wait while the dealer holds your money while your personal check clears.

2- PAYMENT ONLY AS GOODS ARE SHIPPED. Most dealers will only bill your credit card account when the goods are actually shipped. If some items are shipped and some are back ordered, your account will usually only be billed for those items actually shipped. If you pay in advance by money order or personal check this kind of partial billing is not possible.

The major disadvantage to using bank credit cards for payment is that some dealers charge the customer a percentage fee for handling such orders. TEX COMP charges 3%, which is what TEX COMP pays its bank for processing the credit card orders TEX COMP receives. Some other TI dealers, such as TRITON and TENEX, do not pass this fee directly on to customers.

Whats that you say, you are afraid to give out your credit card number over the phone or by mail. Well, I buy alot of things by credit card over the phone, and I have never known any dealer to missuse my credit card number or give my number to a third party and cause my account to be billed for goods I didn't order. It is very unlikely that a dealer would ever do this, because resulting complaints would cause the dealer's bank to revoke the dealer's privilege to accept credit card orders.

What do you do if the dealer doesn't accept credit card orders? Well, you might try another dealer. For example, you can pruchase CERTIFICATE 99 directly from the publisher Great Lakes Software, but they don't take credit cards. You can purchase the same software, at the same price, from TEX COMP or TRITON who do accept credit cards.

Although the information provided above refers to dealers who cater to owners of TI computers, the same rules apply to any prepaid merchandise ordered from out of state dealers. It is SAFER, MORE CONVENIENT, and usually COSTS NO MORE to prepay with bank credit cards rather than with money orders or personal checks when ordering. **\*\*DONE\*\***

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# PLUS! WORD PROCESSING COMPANION

Thank you for buying PLUS!, a new WORD-PROCESSING COMPANION/UTILITIES DISK for users of FUNNELWEB, T.I.WRITER, TK WRITER, SA WRITER, or MYWORD. This disk is filled to the brim with programs, flowcharts, graphics, data files, templates, tutorials, reference charts, utilities, and much more.

PRINT OUT "PLUS!DOCS" THROUGH YOUR FORMATTER RIGHT AWAY with PLUS! in Drive 1. Then print the four DOCPACKS. All defaults are for DSK1 to accommodate one-drive systems. These may be readily changed later to your favorite configuration. Most of the other DV80 files do not need to be printed out. The docs explain in detail which should be printed and why.

The four DOCPACKS contain over a dozen files. Below is a compacted listing as is printed out by "3/COL" which you can personalize. Also below are two of the "GRAPHS/TL" designs operating through the TL key and the EXACT coding as it appears in the template. You can see how easy making your own designs can be.

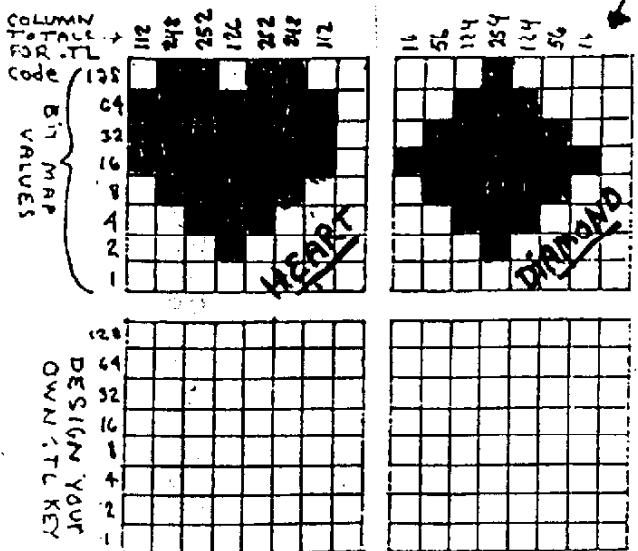
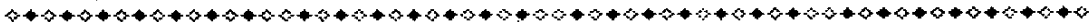
Like our goose logo? It was created by the template mentioned above. (We figure if Myarc can snag the swan for the Geneve, we can grab the goose for PLUS!)

To test out lots of its features right away, make a backup copy of PLUS! and then LOAD FUNNELWEB or whatever. At the menu select 1 (EDITOR). Then type LF and ENTER. Next type the number of the drive containing PLUS! (USE "1" FIRST TIME) and the number "3" and ENTER. You are now TABbed at 1 and 38 (instead of 0 and 80) so you'll be able to view everything on the screen without windowing. You automatically have a 4-row INDENT after every CARRIAGE RETURN (the automatic paragraphing that happens when you press ENTER in this EDIT Mode). You'll also notice the first line: ".IF DSK1.C3." This automatically FORMATS your text while you type. It provides for full-width text, automatic right and left justification, a complete .TL coding that lets you type in italics, doublestrike, etc. (see docs) The best thing to do is type a letter to a friend right now. When finished, go to the LUMMANU Mode (F-CIN/Y) and SAVE it (SF and ENTER) as DSK2.FRIEND (or whatever drive your using) to an initialized disk (or RAMdisk). When the file is SAVED, return to COMMAND Mode, type Q and ENTER and E and ENTER. You're back to the Main Menu. Turn your printer on. Keep your PLUS! in Drive 1. (This can be changed later to anything you want.) Type 2 (FORMATTER). If using FUNNELWEB the "DSK1.FRIEND" will be on the screen. Just press ENTER all the way down the options unless you have to change printer codes (later this default may be changed). What you wrote will be formatted perfectly to your printer. If you have only one drive, screen directions will direct you for the disk swap (from FRIEND to PLUS! if you did not save your letter file on the PLUS! disk). When that's finished, return to the FORMATTER and type in those DV80 documentation files as directed in PLUS!DOCS and print them out through printer. All files are shown on the "3/COL" catalog below.

Hope you ♡ PLUS!

Thank you. *Jack*

Jack Sughrue, Box 459, East Douglas MA 01516 [FAIRWARE DISK \$10]



see GRAPHS/TL (& ALLCODING & DECODING)  
 HEART .TL 24:27,75,7,0,112,248,252,126,252,248,1 12  
 DIAMOND .TL 25:27,75,7,0,16,56,124,254,124,56,16  
 \*NOTE: .TLx: 27,75,7,0 sets up the key. Then add your specifically drawn coding. (Some printers may need the 7,0 above changed to 6,0.)

\*3/COL\* created this catalog with your name and date built in.

Disk - PLUS!DS80		58 Files		Used - 716	
SUGHRUE 03/03/1988				Free - 82	
Filename	Size Type P	Filename	Size Type P	Filename	Size Type P
1	2 D/V 80	DOCPACKS/1	68 D/V 80	M1	2 D/V 80
2	2 D/V 80	DOCPACKS/2	57 D/V 80	M2	3 D/V 80
3	2 D/V 80	DOCPACKS/3	41 D/V 80	MAX-RLK	38 D/F 80
3/COL	8 PGM	DOCPACKS/4	87 D/V 80	RICKY	9 D/F128
4	2 D/V 80	FNLSTRIP	7 D/V 80	MULTICOLUMN	9 PGM
5	2 D/V 80	E	2 D/V 80	P1	3 PGM
7	2 D/V 80	G1	3 D/V 80	PLUS!DOCS	40 D/V 80
8	3 D/V 80	G2	3 D/V 80	PLUS!VIEW	20 PGM
9	2 D/V 80	G3	3 D/V 80	SETUP	22 PGM
BANNER	22 PGM	GEM/DOCS	31 D/V 80	SMALLIFY/1	8 PGM
C1	3 D/V 80	GOTHIC	49 I/V254	SMALLIFY/2	4 PGM
C2	3 D/V 80	IFFINE/TL	17 D/V 80	T1	11 D/V 80
C3	4 D/V 80	IG/PAY	8 PGM	T2	4 D/V 80
C4	3 D/V 80	INSTAOUNP	3 PGM	TS	7 D/V 80
C5	3 D/V 80	INSTALABEL	4 PGM	TLTESTER	2 D/V 80
C7	3 D/V 80	INSTAMAIL	4 PGM	YEARLY/CAL	10 PGM
C8	3 D/V 80	INSTAPRINT	2 PGM	teanyrs	4 PGM
C9	3 D/V 80	L1	10 D/V 80	tinyteeny	2 PGM
CAT	11 PGM	L2	4 D/V 80		
DESKCAL	18 PGM	L3	4 D/V 80		

The disk enclosed is a gift from the Lima OH User Group, P.O. Box 647, Venedocia OH 45894. If you wish to pay for it, send your fairware payment to Jack Sughrue.

The program below is called "P!". It is part of the PLUS! package, but is only included on the DSSD version of PLUS! because there isn't room for it on the floppy version.

```
100 @=0 :: \=1 :: [=2 :: ]=3
    :: _=4
110 DISPLAY FRASE ALL :: CAL
L INIT :: CALL LOAD(8196,63,
248):: CALL LOAD(16376,67,85
,82,83,79,82,48,8):: CALL LO
AD(12288,251,203,203,251,195
,195,192,195)
120 CALL LOAD(12296,[,@,],24
0,[,\,48,@,[,[,@,8,_,32,32,3
6,_,91):: CALL LINK("CURSOR"
)
```