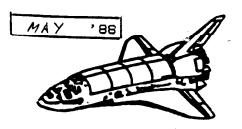
Pres. Darrell Kankel Fh. 487-2361 V.P. Tommy Thompson Ph.946-6356 Sec'y.John Owen Ph.354-2844 Fh.554-2844 Treas. Phil VanNordstrand 326-1916





"RETURN TO FLIGHT" -FALL '88-

71-00 Users &

1908 MEETING DATES: APR 19, MAY 17, JUNE 21, JULY 19, AUG 16, SEPT 20 OCT 18, NOV 15, DEC 20 (3rd Tuesday each eonth)

ANEW!

MEMBERSHIP RENEWAL

Send a check for \$12 made out to P.C. Van Nordstrand to:

Phil Van Nordstrand 430 Shadow Creek Dr. Seabrook, TX. 77586

| NAME: | |
|----------------|----------|
| ADDRESS: | |
| CITY: STATE | ı ZIP, |
| HOME PHONE:WOR | K PHONE: |

This newsletter is a sonthly pub-Inis newsieter is a sonthly pub-lication of The Johnson Space Center II 99/44 Users Group. The JUS meets at 7:30 on the 3rd Tuesday of each sonth at the Silruth Recreation Center at NASA-JSC. Visitors are always malerans Visitors are always welcome.

Permission to copy articles is hereby granted, provided that source is disclosed and credit is given to the author.

This newsletter and the articles into newsietter and the articles contained herein do not necessarily represent the opinions of the group, the editor or any person other than the author.







MIAMI CY (J CLASBY) RR 4 Box 156 WABASH, IN 46992 *

516

| | | MAR | CH | SH | |
|---|-----|-----|-----|----|----|
| * | Too | Ire | - 1 | Δ | 99 |

| 100 ! CONVERT TI-ARTIST DIST | + + 10ptcs - 1 | | |
|--|---|---|---|
| NCES | NYERSION PROGRAM* | | 420 FOR [=1 TO 7 :: AS=STRS(B(I))&" *&AS :: B(I)=0 :: XE |
| 110 ! TO TI-WRITER FILES | 190 DISPLAY AT(5.1): "1313131 EPSON VERSION 1313131" | 310 PRINT #2: ".TL 92:10" ! B actslash used as line feed | N I |
| 120 ! from Chicago Tlaes 4-3 0-87 | 200 BISPLAY AT(7,1): "INSTANC E FILE MANE:" | 320 PRINT #2: ".TL 61: 27, 65, 8 " :: PRINT #2: ".TL 62: 27, 65, 12" :: PRINT #2: "" ! Equal | 430 PRINT 82:".TL "ESEES(ST) 5(127-L),1,3)&":27,75,8,0," A8 |
| 130 ! Original by David Dhei | 210 DISPLAY AT(8,1): "DSK1." | : 12" :: PRIMI #21"=" ! Equal : sign is #/72, Greater Than i ! s I/b (defamit) line spacing | 440 HEXT L |
| 140 ! Enhanced by Paul Borg, | 220 ACCEPT AT(8,4)SIZE(-14): OLD4 | 330 NS=40 12 FOR N=1 TO I 12 | 450 IF CS="Y" THEN PRINT #2: |
| Trie+ Software | 230 DISPLAY AT(10,1): "NEW FT | NS-NS&CIRS(127-N): NEIT N | 460 PRINT #2:#5%"\" |
| .150 ! Extended Basic - EPSON | LE MAHEL | 340 FOR K=1 TO Y | ********************** |
| only | 240 DISPLAY ATILL, ILE TERL. | 350 FOR L=1 TO I | 470 NEXT K |
| 160 ! Modified by Lutz Winkl er, 12-02-87 | 250 ACCEPT AT(11,4)\$12E(-14) | 340- DIPUT \$1:C(77, 1(4),C(5), C(4),C(3),C(2),C(1),C(0) | ! 480 FUR N=1 TO X :: NS=".TL ! " :: N1\$=SEE\$(STR\$(127-N),1 ! 3):: NS=NS&N1\$&":"&N1\$:: PI |
| 165 ! Will not append _[to converted file | 250 AS=*DSK*\$CLD\$:: BS=*DSK | ! | INT 02:MS :: NEXT N |
| *************************************** | : Theis | 370 FOR 1=7 TO 0 STEP -1 | 490 PRINT \$2: ".TL 72:92" |
| 166 ! Reduces conversion time e depending on number of zer | 270 DISPLAY AT (13, 1): CENTER | 380 A=C(1):: IF A=0 THEN 402 | 500 PRINT 82: ".TL 61:61" |
| os in the instance | OUTPUT? Y* | 1 390 FOR J=7 TO 0 STEP -1 :1 1 IF 2~13A THEN 400 :: A=A-2~1 | 510 PRINT #2: ">" |
| 167 ! Average time saved: 15 | : 280 ACCEPT VALIDATE("YN")SIZ ! E(-1)AT(13,14):C3 | 1: 3(3)=3(3)+2~1 | 520 PRINT 92: ".TL 42:42" |
| 170 CALL CLEAR :: CALL SCREE | 270 OPEN \$1:AS, DIPUT :: OPEN | 400 NEXT J :: SUTT 402 | 530 CLOSE \$1 :: CLOSE \$2 |
| N(1):: FOR COL=0 TO 12 :: CA | 82:89 | 401 AS=*** | |
| LL COLOR(COL, 16, 1):: NEXT COL | 300 DUPUT Star, Y as IF ISYNG | 402 MEXT I | 540 CALL CLEAR |
| 190 RICH AV ATIL ALASTI-ART | : 5 THEN DISPLAY AT (20.3): "Thi | · ———————— | 550 EM |
| 180 DISPLAY AT(1,4): "TI-ARTI | s will take a while, is DIS PLAY AT(21,3): "be patient | 410 A6-STRS(B(0)):: B(0)=0 | |

アメシナチネ とりかシチネシナクから

from 11-Artist to 11-Writer

The original version of this program (TI-Artist lastances to 11-Writer Conversion) appeared in the June 1987 issue of our newsletter. Basically, there is nothing wrong with it. But there were two things which bugged so. First, the file imput routise. It automatically adds "I" to the file it creates, though the new file is no longer compatible with VI-Artist. Second, the program is s-l--------

Making the file input sore flexible was an orobles. now enter 4 proper instance file name suffixed with [and generate a file with a mass of my choice to which I append T, indicating it is ready for TI-Writer. Attempting to spend things up was another autter. The heart of the program, the conversion routine, is very well and cleverly written. An instance file is nothing more than character definitions, except they are shown as decimals, not in how. Converting these definitions to pin-firing patterns takes time. Ideally, it would be done with an assembly routine via CALL LINK, but until (and unless) speebody comes up with one, we are stuck with this program. I found only one place for a minor improvement. This shows in line 380 after A=C(I) "IF A=0 THEN 420° avoids going into the next loop (FOR J=7 TO 1 STEP -1). Since I always starts out being 7, any value of A (even zero) was chected to see if it was greater than 2°J (2x2x2x2x2x2x2x2x). Exponentation requires a lot sore time than a simple A=0, which is the only reason this modification results in a modest gain in performance.

Tests show that conversions with the modified program take

about ITI less time. For example, an instance of livid characture took 10:50 executes to covert with the original and 9:20 with the modified program. The ISI figure is an average and conversions vary with the number of times a zero occurs the instance file. If the instance is drawn black-on-white, there will be an improvement, if it is done white-on-black, don't expect such. Since an instance is saved in \$15/VAR 80 format, look at it with TI-Writer and if you see a lot of zeros, you can be sure it will convert a bit faster. By the way, on line 1 of the file there are two They show the width and length (in &x8-pixel characters) of the instance. They are read by the program (I and Y is line 300) and set the limits for the K and L loops (lines 340 and 350).

While I was audifying the program, I decided to delete the printer selection, too. I have an Epson, so may weste time on one sore tey press and several lines of code. (Says he who also added a line (170) to set screen and text colors.) For these who do not own Epson-compatible printers: The transliturations for the characters which are used as printer commands are shown in lines 310 and 320. The backstash (ASCII 72) is used as a linefeed (ASCII 10), the = sign (ASCII &1) for \$1/72 line spacing and the > sign (ASCII &2) to return to the default (1/6) line spacing. One sore transliteration occurs near the end of line 430. It shows as 127,75,8,0 which is Epsonese for ESC K n a or *Turn single-density graphics mode on."

(Eaf Lutz Winkler)

AGENDA for our MAY MEETING: (TUESDAY MAY 17 at 7:30pm)

- 1. "32K on 16 BIT BUS" by John Owen / Al Well & Charles Smith. Handouts on how to make this mod to your console, including parts list. Discussion of pros and cons of two different approaches to switching from "fast to slow" modes. We plan to take a console apart and show you how to
- 2. Demonstration of how to "command your printer" from within your TI-WRITER Editor by Phil Van N. and/or John Owen.
- 3. Demonstration of TI-Artist ("SPACE STATION" pictures) by Darell
- 4. Sign up for programs/disks you want from a list of new programs. 5. Discussion and collection for JUG membership in the LA99ers. This should provide us access to probably the best disk library system around. We get their newsletter on an exchange basis but they are losing money on us unless we join as a member.

TI 99/4 HOUSTON DEALER

While at the Dallas Faire we discovered that there is a computer store in the Houston area that specializes in TI hardware, including many used TI-99/4 items. The business name is "U.S. Tech" and is run by Ken Espiou. He has a catalog of over 1000 items which he is working on. He is not very close to us, as he is located on Highway 6 (near Alief and Bellaire) (phone number 713-498-3141), but might be worth contacting for hard-to-get items that Mike Matula (M & S Computer Systems) doesn't carry. He specializes in TI products such as calculators and educational products and has a good technical understanding of the TI-99/4A. Ken is a student and is only available after 3 pm & Saturday. He does have a recorder.

NEW ITEMS

- 1. Toshiba 4Mb 3.5 In. Floppy Disk Drive (PD-210) (Samples \$320 - Apr.28 Electronics) Question: Will the new MYARC controller card handle this?
- 2. DIJIT Video Processor Card for TI-99/4A (For RGB monitors, 80 Column, 512 colors, 192K Video RAM; \$220) See Apr. MICROpendium, Page 24.
- 3. TELCO -New Terminal Emulator (S/W): See review in May 1988 FUG (Demonstrated at May HUG meeting).
- 4. FIRSTBASE -New super data base software for TI99/4A (\$49.95) by Warren Agee & Clint Pulley. See writeup in May 1988 Spirit of 99
- 5. DISK UTILITIES -New super disk manager and sector editor program.
- 6. "FLUS" -New Funnelweb Companion by Jack Sughrue (M.U.N.C.H.). See writeup in May Computer Shopper. We have a copy of "FUNLPLUS" which has an earlier version of Funnelweb system. Has a banner program, personalized disk and calendar programs, box patterns, labels using computer graphics, etc. (DSSD preferred).
- 7. PROTO-BOARD application -Clock/Calendar writeup and schematic in the West Penn newsletters for May and June, 1988

DALLAS TI-99/4 FAIRE (APRIL 30, 1988)

John Owen and Phil Van Nordstrand attended the FAIRE and demonstrated the "UNITED 99/4 Data Base", (UNDB), at the 2:00 session. We now have two new groups (FLUG-Dallas, & BRAZOS VALLEY-Waco) participating in the "UNDB" project. We enjoyed meeting people we had only heard or read about (Barry Travers, Bud Mills, Richard Fleetwood (FLUG), James Crossman, (NET92), Jerry Keisler (Paris, TX), Roy Willis (FLUG), Frank Cross (Brazos Valley), Gary Taylor (PUG) and many others. Terrie Masters was there with the "great" LA99 Library. She is a REAL TI-99/4 enthusiast and a very hard worker. Houston Users Group was represented by Ken Espiou, Bob Seddon and Jim Uzell. TI-Lubbock was represented by Jeffrey Crump. Jeff assured us that TI support of the TI-99/4A will continue (parts, repairs, & software answers -excluding Assem. Language), but the 1-800-TI-CARES number will go away before too long. The most interesting event at the Faire to the two of us was the hardware session given by James Crossan. James and others in the Dallas area have working copies of almost all hardware that was invented for the 99/4 by the TI Research Laboraturies (in Dallas) (i.e., TI-99/2, TI-99/8, FORTI Card, TI Gramulator, TI 80 Col. Board, Hex-bus (CC-40 peripherals)), and by 99/4 hackers throughout the world (i.e., 16K Super Carts, 32K on the 16-bit bus, Speed Reducer, Ram Disks, etc.). Most of the TI items ever sold were on display in the Vendor Area. Jim showed an EEPROM cartridge that he had built that can be loaded with any Cartridge program.

Most of the well-known vendors were there except for MYARC-we hope they were busy building our Hard/Floppy Disk Controller cards. Vendors included were RAVE, Compuserve, MICROpendium, Genial Computers, LA99ers, Great Lakes Software and more. Bud Mills had the 1Mb. RamDisk and the "32K on 16-bit bus" kit that speeds up the 99/4 by 50%. John Owen bought one of the kits and is now getting to be an expert on the various approaches. Mike Ballman came up with the idea and John Guion of the Dallas TI Home Computer Group came up with a way to switch from fast to slow (normal). One method lets you switch back to your FEB 32K Card in order to get back to the normal speed for TI Speech and some games. The other newer approach lets you switch to the slower speed without needing your old PEB card. Then you can sell your PEB card-if you never expect to switch consoles to one without the mod!

If you ever want to know the whole story about the birth, development and death of the TI-99/4A, contact the Dallas Forest Lane Users Group (FLUG) and/or the North-East Texas Users Group. They have the history, the hardware and the hardware experts. Many of their past and present members actually did the TI-99/4 development work. The JSC Users Group has a complete set of the NET99er newsletters (since 1982). They have documented some great work for the TI community. I wish we had the FLUG (Dallas) newsletters as well.

John Owen bought 3 disks of TI Artist spaceship drawings that will be available for demonstration. These are great works of art.

TEXAS TI FAIRE

SCHEDULE OF EVENTS FOR SATURDAY, APRIL 30TH, 1988

| Œ | VENDOR AREA_BALLROOM | SPEAKER AREA_TERRACE | CONFERENCE ROOM_DEMOS | CONFERENCE ROOM_SEMINARS |
|----------|--|---|---|--|
| 7:00 AM | open for set-up | ; set up pa systems | ; set up game systems | ! set up demo system/modem |
| 3:00 | finish set up | ! arrange seating/setup camera | ! finish set up | arrange seating |
|), jo | ; vendor/worker meeting | | | ! |
| 9:00 am | ! open doors to public | | get the best scores- | Progressing In BASIC- By Jerry Keisler-Peris UG |
| 10:00 am | | ! TELECOMMUNICATIONS ROUNDUP- ! GENIE, DELPHI, SOURCE, STARTEXT | | PART TWO- Programming in Basic |
| .1:00 am | ; | DISK MANAGEMENT SYSTEMS-hard- ware/software-By Rich Fleetwood | | ; STARTEXT DATABASE SYSTEM ; HOMEBANKING NETWORK |
| 2:00 pm | ! ! | | TI WRITER TUTORIALS | GENIE- DATABASE SYSTEM SCOTT DARLING |
| :00 pm | | | SAM WELLER- FORTI MUSIC | ! (FREE SPACE!) |
| :00 pm | | -2:30 PM | JUG-IDEMO | ! TI GRAPHICS DRAWING PROGRAMS ! TI ARTIST, RLE, CSGD, |
| :00 pm | 1 | -3:30PM | HARDWARE PROJECTS- BY JAMES CROSSAN-MET99ERS | -: AND ALL COMPANIONS- BY S: STEVE BARACKMAN - PARIS UG |
| :00 pm | 4:40PM-SHUT DOWN FOR | PANEL DISCUSSION-THE FUTURE OF THE TI COMMUNITY-W/BARRY TRAVER, TERRY MASTERS, MORE | | (FREE SPACE () |
| :00 pm | ! DINNER PREPARATION | ! | LOSE DOWN THE 1ST TEXAS TI F | AIRE AT 5 PM |
| :00 pm | | | L'UNITED 99/4 | DATA BASE" |
| :00 pm | -; ; ; | • | DEMONSTRATI | il Van Nordstrand |
| :00 pm | ! SPECIAL DINNER BANQUET ! W/ BARRY TRAVER-SPEAKER | 1 : | | CE CENTER USERS G |

HOW TO GENERATE "PRINT CODES" FOR TI-WRITER "EDITOR" By JOHN R. OWEN

The enclosed article from the SFV 99ers, "TI-WRITER PRINTER CODES" (JUL.'86), tells how to generate almost any print codes for the TI-WRITER EDITOR and FORMATTER, at least for Epson MX-80 and Gemini 10X/15X printers. I seldom need more than 7 of these codes as listed in the following condensed table.

| | FUNCTION | CTRL | FCTN | CTRL | KEY | CTRL | SHIFT | CTRL |
|----|------------------------|------|------|------|-----|------|-------|------|
| 1. | EMPHASIZED "ON": | U | R | U | E | | | |
| | DOUBLE -STRIKE "ON": | U | R | Ū | 6 | | | |
| 3. | CONDENSED "ON" (17CPI) | ı | | | | U | O | 11 |
| | DOUBLE-WIDTH "ON": | U | R | u | W | Ū | Ã | ü |
| | ITALICS "ON": | U | R | U | 4 | _ | • • | _ |
| 6. | UNDERLINE "ON": | U | R | Ū | _ | 11 | Α | 11 |
| 7. | RESET (Cancels codes): | . 11 | R | 11 | 18 | _ | •• | |

NOTES: #7 WILL NOT WORK WITH "FORMATTER"; #1 & #3 CANNOT BE COMBINED.

PRINT CODES TABLE

To try the above, get into "Editor" mode and:

FUNCTION

- a). HIT: CTRL U, FCTN R, CTRL U, E, [ENTER]
- b). TYPE IN: "This is a test of "EMPHASIZED PRINT". [ENTER]
- c). HIT: CTRL U, FCTN R, CTRL U, @ (ENTER)
- d). TYPE IN: "This is a test of "RESET" [ENTER]

The two print codes will be displayed as: bE and e. They will not print!

Send the above to the printer. Line (b) will be printed in "EMFHASIZED" print while Line (d) will be "normal" print. Note that CTRL U puts the editor into the "Special Character Mode" as shown by , the different ("_") cursor. Make sure you are out of this mode by typing CTRL U again before entering the letters shown in the Key tolumn or before typing any text. Repeat steps (a), (b), (c) and (d) for Functions 2,3,4,5,6 (%7) from the Table. Note that instead of using #7 (Master Reset) you can cycle the printer OFF/ON to cancel all printer codes. You now can use the more useful printer codes but consult the SFV Table for other codes you may need. Always turn codes off before inserting new codes in your text. Now try combinations of the above. Just "HIT" the codes in sequence prior to typing in your text.

- a). #1 & #2 (Emphasized/Double-strike): Ex: CTRL U, FCTN R, CTRL U, E, CTRL U, FCTN R, CTRL U, G
- b). #3 % #2 (Condensed/Double-strike);
- c). #5 & #1 & #2 (Italics/Emphasized/Double-strike);
- d). #4 & #1 & #2 (Double-width/Emphasized/Double-strike);
- e). #3 & #4 & #2 (Condensed/Double-width/Double-strike);

If you want to know how these commands work, study the TI-WRITER Manual, Pages 98, 145, and 146 along with the codes in your printer manual. The above codes also work for the TI-WRITER Formatter mode except for #7, Master Reset. Also there are some differences in applying the Double Strike (OVERSTRIKE) and Underline (UNDERSCORE)

You can put the above "PRINT CODES TABLE" on your FNLWEB/4.0 disk (revised to 40 Col format) so as to be able to call it up and look at it while entering your text. This way the "PRINT CODES" are always at your fingertips. You do this by using the "V(IEW) feature of the "Show Directory" (SD) function of the Editor. (Don't forget to use CTRL C and then O(ld) to get back to your text file.) A hardcopy of the table taped to your console will do the same thing but is not very sophisticated and will not impress your non-TI 99/4 computer friends as much!

| FUNCTION | C T R L | FCTZ | CTRL | | ĪŦ | SHIFT | CTRL |
|---|---------|------|---------|---------|--------|-------|--------|
| 1. EMPHASIZED "ON": 2. DOUBLE -STRIKE "ON": 3. CONDENSED "ON" (17CPI) 4. DOUBLE-WIDTH "ON": 5. ITALICS "ON": 6. UNDERLINE "ON": 7. RESET (Cancels codes): | בככנ ככ | | טמטט מט | EG 34-@ | ט ט | 0 A | ט ט |
| NOTES: #7 WON'T WORK WITH #1 % #3 CANNOT BE (PRINT CODES TAI | 100 | 181 | NE | ED. | | | |

UNDB STATUS

We received a disk of INPUT from Doug Gootee (Jax Cy Mo.) and a nice letter from our European Office (Ennio Medici-Italy). Ennio wants us to let him know which newsletters to INPUT. John Willforth called to let us know that West Penn Pa. is almost ready to send in their INPUT. Got a copy of Bill Gaskills work on indexing MICROpendium. Great Work!! Bill used a DV 80 format. Finally got Ken Sheets Fla. address and will send him a STARTER kit for evaluation. Ken is the father of the UNDB idea. We hope he can help us with whatever he was able to get Indexed during the past few years.

There are at least 20 other User Groups encoding their newsletters for 1987. We should have a FLOOD of INPUTS any day!!!

Let us know if your group wants a STARTER kit (\$1.00) and if we can help any of the UNDB-SIG members (those who have STARTER kits) in learning about PR-BASE or getting your INPUT in for integration into the MASTER UNITED 99/4 BATA BASE.

PRINTER CODES FOR TI-WRITER GENINI-18X

| | BCREEN | | | | | | | | | |
|---|---------|--------------------------------------|------------|------|------------|-------|------------|--------------------------|------------|--|
| | DISPLAY | DISCRIPTION | CTR | FCTN | CTRL | ΚĒ | CTR | FCTN CTRL KEY CTRL SHIFT | CTRL | |
| | .B. | Condensed On | = | ١. | = | ļ | : | į |] | |
| | - A- | Condensed D44 |) = | : a | , | 9 6 |) : | ، د | - : | |
| | 9. | Double Strike On |) = | : œ |) <u>=</u> | 9 0 | • | € | 5 | |
| | Ţ | Double Strike 044 | = | : α |) = |) | | | | |
| | . B. | Elite On | = | : @ |) = | : a | = | • | . : | |
| | .e., | Elite 044 | = | : 4 |) : | 9 0 | : | . | 5 : | |
| | W. | Emphasized On |)) | : œ | 2 | 0 L | . | £ | 5 | |
| | ار • | Emphasized Off | > | Œ | = | 1 4 | - | | | |
| | .• | Expanded Dne Line | | : | 1 | | = | 2 | : | |
| | į | Expanded Dr | 2 | œ | = | 3 |) = | 2 < | 5 : | |
| | 3 | Expanded Df+ | _ | ~ | - = | : 1 |) = | נ ר | : c | |
| | • | Italics On |) | : œ | = | |) | ¥ | > | |
| | 'n | Italics Off | - | : œ |) = | · • | | | | |
| | • | Master Reset | - | · œ |) = | • | | | | |
| | | Script Mode Off | 2 | « |) = | · - | | | | |
| | | Subscript On | _ | œ | = | œ | = | • | = | |
| , | Ġ | Superscript On U | 2 | Œ | · - | 61 | = | : 0 |) = | |
| | | Underline On | - | Œ | _ | 1 | = | ۱ 4 |) = | |
| | i | Underline Off | - | œ | - | ı |) = | |) = | |
| | 7 | 1/6" Line Spacing | 5 | Œ | - | 8 |) | • | • | |
| | 9 | 1/8" Line Spacing | - | Œ | _ | • | | | | |
| | n, | 7/72" Line Spacing | 3 | œ | - | - | | | | |
| | V | 5/72" Line Spacing | - | æ | - | • | - | • | = | |
| | | | | | | | | • | , | |

answered V E S then skip this article. If you enimered you s which as Or he seen's then read on. If the only reason that you use the Formatter is for printer codes then read on. Look at page 146 to get Have you read and understood page 146 of the TI WRITER manual? If you

One evening as I was bragging that I had complete control of my printer by using the translitrate command, Ken Johnson (our fine editor), asked me why I went to all that trouble? He told me about

TI-WRITER PRINTER CODES by Alice Cassidy: | GFV

Formatter is for printer codes then read on. Look at page 146 to get an idea what it looks like. Go to page 98 and read that. If you still don't understand what it says don't worry. Below and on the next page are charts that show what keys to push for different printer commands. If you would like to print your letter in Continuous Expanded (Double-width mode) but don't want to leave I! WRITER to change the printer.

PRESSI CTRL U, FCTN R, CTRL U, W, CTRL U, SHIFT A, CTRL U.

letter.

Both the Epson and the Geain; would use the above. The codes are CHRS(27); "WI" or CHRS(27)&CHRS(87) LCHRS(87). At the end of the letter you would turn the Double-width mode (Continuous Expanded) off.

PRESS: CTRL U, FCTN R, CTRL U, W, CTRL U, SHIFT 2, CTRL U.
All codes can be embedded in the body of your letter but be sure that you take into account the space(s) used by the codes.

88 EPSON PRINTER CODES FOR 11-WRITER

| SCREEN DISPLAY | DISCRIPTION | CTRL | FCTN | CTRL | KEY | CTRL | CTRL FCTN CTRL KEY CTRL SHIFT | CT |
|-------------------|--------------------|----------|------|----------|----------|----------|-------------------------------|-------------|
| | Condensed On | į | | | | = | • | = |
| ۳. | 7 | | | | |) 3 | • |) = |
| 9 | Double Strike On | - | œ | - | œ | 1 | : |) |
| ij | Double Strike Off | - | Œ | - | I | | | |
| - | Elite On | - | Œ | - | E | | | |
| ٠, | Elit. 044 | - | Œ | - | ٩ | | | |
| | Emphasized On | 2 | Œ | - | W | | | |
| u | Emphasized Off | 3 | Œ | - | Ŀ | | | |
| .• | Expanded One Line | | | | | - | E | 7 |
| 3 | Expanded On | 3 | Œ | - | 3 | - | ⋖ | > |
| | Expanded Off | - | æ | - | 3 | _ | | · ¬ |
| | Half Speed Mode | 2 | Œ | - | • | 2 | < | - |
| * | Italics On | - | œ | > | 4 | | | |
| | Italics Off | - | Œ | > | n | | | |
| • | Master Reset | - | • | 2 | • | | | |
| | Normal Speed Mode | 2 | Œ | - | • | - | 64 | - |
| - | Script Mode Off | - | Œ | - | ; | | | |
| .04 | Subscript On | > | Œ | ၁ | U) | - | ∢ | - |
| .0 | Superscript On | - | Œ | - | ø | - | " | - |
| | Underline On | - | Œ | - | ı | 2 | ∢ | - |
| • | erline o | - | Œ | > | • | - | ~ | - |
| 7. | 1/6" Line Spacing | - | æ | - | N | | | |
| 9 | 1/8" Line Spacing | - | Œ | - | • | | | |
| r. | 7/72" Line Spacing | ɔ | Œ | 2 | - | | | |
| . A . | 5/72 Line Spacing | 5 | œ | - | ∢ | - | w | - |

no order to find the code for 5/72" Line Spacing look in your printer about to find the Code of 5/72" Line Spacing look in your printer about for the Line Feed Controls. The RX 88 Epons and the Gesini-18X 2HOMES(n), where is as n/72 for the CHRS(n), on CHRS(27)&CHRS(2) the CHRS(27), where is as n/72 for the CHRS(n). On page 98 we are told press CTRL U to enter the Special Character Mode. Many go to page 146 and look for the ascil code for escape which is ascil code 27. In looking across the page it shows that the key press of FCTN R is the same as CHRS(27) to our printer. Next we need to tell the printer what the value of n/72 inch spacing, Next we have to tell the printer what the value of n is. So back to page 146. We know that we want to sove the paper 5/72 inch spacing. Next we have to tell the printer what the paper 5/72 inch spacing. Ment we have to tell the wint to sove the paper 5/72 inch spacing. Be sure to reseaber that you must breas CTRL U before and after each key press from the Special Character Mode (page 146): EXAMPLE CODE:

If you have trouble understanding any of the above feel free to call me and/or come to the August meeting of the TI Writer SIG. Call me to find out where and when. We do not meet on any set date, just when ever we call get together. All members are welcome to attend. Come share your knowledge with us and we will share our knowledge with you.

P.S. This entire article was printed using the TEXT EDITOR and in some places I used 17 printer codes to print the Screen Display Column.

SFV TABLE

NEW!

FIRSTBASE

Available 2nd Quarter 1988

A major advance in 99/4A databse technology:

- IBM style query commands
- Batch processing with four-function floating point math
- Multiple keyword searches
- Extremely large capacity
- Handy macros

With FirstBase, the new database manager from Olympys Technologies, you can organize, manipulate, and report data like never before. We listened to what users missed in other database managers, and what we've created is quite impressive.

We increased the record size to 3000 bytes, allowing you to store much more information than ever before.

We allowed you to search for data using powerful query commands similar to ones used on IBM compatible programs, so you can find exactly what you're looking for with a single command.

We added a batch-processing capability, so you can perform "search and replace" functions or delete a group of records at once. You can even perform MATH on any field.

We added a MACRO feature so you can store frequently used commands on disk for quick recall.

Specifications:

720 bytes/fields 32,767 records/databases

3000 bytes/record 100 megabytes/file

75 fields/record

- -Search on multiple fields using AND and OR, or on keywords
- -Sort on multiple keys
- -Queries sent to screen, printer, new database, existing database
- -Records can occupy several screen displays
- -flexible report generator
- -Written in c99
- -Requires 32K, disk, and either XB, E/A, or TI-WRITER Cartridge
- -Myarc Geneve 9640 compatible

Suggested retail price: \$49.95 Available exclusively through

GENIAL COMPUTERWARE P.O. Box 183
GRafton, Ma. 01519

Developed by O L Y M P Y S TECHNOLOGIES

advancing software technologys

Firstbase written by Warren Agee. c99 language by Clint Pulley. IBM is a registered trademark of IBM Corp.



SPIRIT OF 99

MAY. 1988 (9)

PAGE \$ 9

