

TREASURER REPORT
by Ron Springer

FROM THE EDITOR
by Kevin Daberkow

PLEASE look at your mailing label to see if some color has been added. If your name has been high-lighted in RED, this is your last issue until you renew. If your name is in YELLOW, then you should renew at the April meeting.

>> THE DUES ARE \$15 PER YEAR <<

NOTE! The code to the right of your name is your membership expiration date.

If any of the information on your label needs to be changed, please let me know. Either call me at 408/225-8670 or write to me at:

SBTIUG - Treasurer
P.O. BOX 23447
SAN JOSE, CA. 95153-3447

We welcome Joseph Maloy as the newest member of our group, and we had membership renewals from Pat Micetich and John Wente during the month.

The April meeting raffle added \$69.00 to our coffers, and the bill for duplication and mailing of the March and April newsletters has been paid. This leaves our club balance at \$723.39, plus one outstanding debt of \$53.45 for the new expansion system disk drive cabinet/power supply.

SBTIUG GENERAL MEETING 5 APRIL, 1987
by Norm Knudsen

The April meeting of the SBTIUG was held at the Saratoga Library on the first Thursday, April 2, with 16 members in attendance.

President Mike Ewell opened the meeting at 7:20 pm by requesting a treasurer's report. Treasurer Ron Springer then stated that the current balance was \$741.00, but the cost of the last newsletter and the bill for the power supply for the new disk drives were still outstanding.

Helmut Fuchs followed with a librarian's report which noted that the club's disks had been rearranged and that he had made a new listing by category. He has printed a synopsis by old number and name together with the new number and name. He then distributed print-outs to the group.

Mike Ewell reported, with obvious regret, that he had not purchased a GENEVE at the New Jersey Show but did pick up some interesting software at least.

Kieth Felix announced that the bulletin board was up but that he was considering trying the Pacifica Board's program.

A raffle was held to distribute all of the goodies which TRITON had included in our order for the new system.

**** LOTTO 6/49 ****

On the opposite page you will find a LOTTO 6/49 program written by Frank Continolo. It is a lot of fun and works quite well. The program can also be found on the SBTIUG BBS (408) 258-3679.

**** MAY DEMONSTRATION ****

It currently looks like we might have a presentation of the TRITON Turbo XT at the May meeting. Helmut is working on the arrangements. So if you are interested in this peice of hardware, be sure to come.

* M Y S T E R Y P R O G R A M *
* by Chris Schram *

```
100 REM SAVE DSK2.HELLO
110 REM
120 REM Mystery Program
130 REM by Chris Schram
140 REM
150 REM Requires Memory Expansion
160 REM and Speech Synthesizer
170 REM
180 REM Runs in TI Extended BASIC
190 REM or Console BASIC
200 REM with Editor/Assembler
210 REM or Mini-Memory
220 REM
230 DATA 71,64,72,65
240 DATA 70,75,73,70
250 DATA 76,67,66,66
260 DATA 65,68,76,68
270 DATA 77,68,78,71
280 DATA 77,66,68,66
290 DATA 66,67,74,67
300 DATA 74,77,74,68
310 DATA 73,71,64,67
320 DATA 72,68,76,65
330 DATA 72,68,76,65
340 CALL INIT
350 CALL PEEK(-28672,A)
360 IF A<>96 THEN 460
370 FOR Z=1 TO 11
380 FOR X=1 TO 4
390 READ A
400 CALL LOAD(-27648,A)
410 NEXT X
420 CALL LOAD(-27648,64)
430 CALL LOAD(-27648,80)
440 NEXT Z
450 STOP
460 PRINT "You don't have a Speech"
470 PRINT "Synthesizer attached"
```

```

100 !*****
110 ! PUBLIC DOMAIN VER 1.0 *
120 ! 6/49 Game Ca. Odds may be closer *
130 ! game pick random numbers, also set *
140 ! random gennerater. *
150 ! by Caltex software / Frank Continolo *
160 !*****
210 ! *** GET SCREEN TITLE ***
220 GOSUB 1040
230 CALL MAGNIFY(2)
240 CALL CLEAR
250 FOR I=4 TO 20 :: CALL HCHAR(I,3,42,28):: NEXT I
260 DISPLAY AT(04,1):"YOUR-LOTO-NUMBERS-FOR-GAME--COMPARSIO
N5-YOU-MAY-WIN-BIG-"
270 FOR I=1 TO 6 :: DISPLAY AT(12,01)SIZE(-15):"SELECT-NUMB
ERS-" :: ACCEPT AT(12,16)BEEP SIZE(-2)VALIDATE(DIGIT):
M$(I)
280 DISPLAY AT(16,04)SIZE(I*3):M$(1);"-";M$(2);"-";M$(3);"-
";M$(4);"-";M$(5);"-";M$(6)
290 NEXT I
300 ACCEPT AT(16,21)SIZE(-1)VALIDATE("")::XX$ :: GOSUB 810
310 ! *** GAME COUNTER ***
320 SC=SC+40
330 Z=Z+1 :: IF Z=4 THEN SC=40 :: SC2=110
340 IF Z=8 THEN 360 ELSE 420
350 ! *** PAUSE SET UP ***
360 DISPLAY AT(24,06):M$(1);"-";M$(2);"-";M$(3);"-";M$(4);"
-";M$(5);"-";M$(6)
370 CALL KEY(0,K,S):: DISPLAY AT(18,23):"PRESS-" :: GOSUB
400
380 DISPLAY AT(18,23):"ENTER-" :: IF S=0 THEN 360
390 GOTO 410
400 CALL SOUND(400,44000,10):: RETURN
410 CALL DELSPRITE(ALL):: RUN
420 ! *** RANDOMIZE 6*49 ***
430 RANDOMIZE
440 FOR I=0 TO 49
450 A=INT(RND*49+1)
460 DISPLAY AT(20,25):A :: IF A>49 THEN 450
470 NEXT I
480 ! *** DISPLAY LARGE NUMBERS ***
490 IF Z=7 THEN DISPLAY AT(20,23):A :: GOTO 320
500 X=A :: A$=STR$(X):: B$=SEG$(A$,1,1):: X=VAL(B$):: GOSUB
570
510 S=S+1 :: CALL SPRITE(#S,B,16,SC,SC2+35,0,0)
520 IF A<10 THEN 550
530 Y=A :: A$=STR$(Y):: B$=SEG$(A$,2,1):: Y=VAL(B$):: GOSUB
690
540 R=R+1 :: CALL SPRITE(#R+10,C,16,SC,SC2+50,0,0)
550 GOTO 320
560 ! *** CONVERT LFT CHR ***
570 IF X=0 THEN B=48
580 IF X=1 THEN B=49
590 IF X=2 THEN B=50
600 IF X=3 THEN B=51
610 IF X=4 THEN B=52
620 IF X=5 THEN B=53
630 IF X=6 THEN B=54
640 IF X=7 THEN B=55
650 IF X=8 THEN B=56

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660 IF X=9 THEN B=57
670 RETURN
680 ! **** CONVERT RGT CHR ***
690 IF Y=0 THEN C=48
700 IF Y=1 THEN C=49
710 IF Y=2 THEN C=50
720 IF Y=3 THEN C=51
730 IF Y=4 THEN C=52
740 IF Y=5 THEN C=53
750 IF Y=6 THEN C=54
760 IF Y=7 THEN C=55
770 IF Y=8 THEN C=56
780 IF Y=9 THEN C=57
790 RETURN
800 ! *** CHAR SCREEN SET UP ***
810 CALL CLEAR :: CALL CHAR(33,"FFFFFFFFF"):: ! TOP
820 CALL CHAR(34,"0000000"):: ! LEFT
830 CALL CHAR(35,"18181818181818"):: ! RIGHT
840 CALL CHAR(36,"000000FF"):: ! BOTTOM
850 DISPLAY AT(19,23):"DONUS "
860 DISPLAY AT(21,01):"-----RANDOM-CHOOSING-----";"-----
-----";"---BY-FRANK-CONTINLO-----"
870 CALL SPRITE(#21,54,16,10,100,0,0)
880 CALL SPRITE(#22,47,16,10,110,0,0)
890 CALL SPRITE(#23,52,16,10,120,0,0)
900 CALL SPRITE(#24,57,16,10,130,0,0)
910 CALL HCHAR(20,1,33,32)
920 CALL HCHAR(5,1,33,32)
930 CALL HCHAR(9,4,36,6)
940 CALL HCHAR(14,4,36,6)
950 CALL HCHAR(14,17,36,6)
960 CALL HCHAR(5,17,33,6)
970 CALL HCHAR(9,17,36,6)
980 CALL VCHAR(6,4,35,14)
990 CALL VCHAR(6,10,35,14)
1000 CALL VCHAR(6,17,35,14)
1010 CALL VCHAR(6,23,35,14)
1020 RETURN
1030 ! *** WINDOW TITLE SCREEN ***
1040 CALL CLEAR
1050 CALL SCREEN(12)
1060 CALL COLOR(2,16,16)
1070 CALL COLOR(9,2,2)
1080 FOR X=3 TO 8 :: CALL COLOR(X,2,16):: NEXT X
1090 FOR I=6 TO 22
1100 CALL HCHAR(1,6,42,22)
1110 CALL HCHAR(23,7,100,22)
1120 CALL VCHAR(7,28,100,16)
1130 NEXT I
1140 DISPLAY AT(7,5)SIZE(-20):"1987-CALTEX-SOFTWARE"
1150 DISPLAY AT(9,7)SIZE(-18):"BY-FRANK-CONTINLO"
1160 DISPLAY AT(12,6)SIZE(-19):"CALIFORNIA-LOTO-6-49"
1170 DISPLAY AT(14,6)SIZE(-18):"NEW-GAME-OF-CHANCE"
1180 DISPLAY AT(16,7)SIZE(-16):"JUST-ENTER-THESE"
1190 DISPLAY AT(18,4)SIZE(-22):"NUMBERS-ON-THE-TICKETS"
1200 FOR I=1 TO 14 :: CALL SCREEN(I):: CALL SOUND(300,-2,1)
:: NEXT I
1205 CALL SCREEN(5)
1210 DISPLAY ERASE ALL :: CALL DELSPRITE(ALL):: RETURN
1220 END

```

Downloaded From The Source by Mike Ewell
IMPRESSIONS OF TICOFF
by Walt Howe

I thoroughly enjoyed myself spending the full day at TICOFF, the well-done show hosted by Art Byers and his committee with six area groups. This is not a full report - just my impressions, since I spent much of the day at the Boston Computer Society table and didn't get to hear any of the presentations. Anyway, here are some of the highlights:

As at any of the Faires, the best thing for me was the people I met, not the new programs and equipment that were there. I met Jerry Coffey and Tom Freeman for the first time. Both very knowledgeable persons, and nice guys, too! I had a chance to renew acquaintances with Art, Terry Masters, George Steffen, Barry Traver, Paul Charlton, Lou Phillips, Jim Horn, Howie Rosenberg, and lots more. The nice thing is that everyone I have mentioned so far, will be in Boston next weekend, too. I think this back to back scheduling of faires was a good thing. I hope we all agree when the final figures are in for both faires. The weekend started Friday night with a superb seafood buffet for the early arrivals. The food was almost as good as the company! The Faire was co-sponsored by the Roselle Park High School as a scholarship fund raiser. That really benefited those of us carting in equipment and materials, because the students were right there to help when the school opened up on Saturday morning. Four wheel carts were at the door, extension cords were readily available, and lots of enthusiasm was evident. I wish all faires I have been to could have this kind of support!

For new products:

GENIAL COMPUTERWARE had the most to show. They introduced a new eeprom and disk for the HORIZON RAMdisk designed by Peter Hoddie, which provide in essence, the MYARC RAMdisk operating system and a modification of John Johnson's MENU program. It puts the OS in ROM so it is never lost, adds several new calls, and lets you install any power-up menu you want. This was quite a team effort, as it involved the collective input of Hoddie, John Johnson, Paul Charlton, John Clulow, and several others along the way. The HORIZON RAMdisk has really matured! GENIAL Computerware also introduced Hoddie's first prize winner in the Computer Shopper contest, XBUG, a sophisticated debugging utility for X BASIC, and Mike Dodd's new XBASHER, which is an X BASIC program compressor.

TEIXAMENTS caused some excitement with their introduction of the new Turbo PASCAL from Germany for the 4A! I can't wait to see the reviews on this one - it looks like a major achievement!

NOT POLYOPTICS was attracting attention with their Spad XIII flight simulator. It is reviewed quite well in this

month's MICROpendium, and from what I saw, the review was quite accurate. The 4A does not have the memory to give all the features that the IBM PC's flight simulator has, but this is the best one yet for the 4A.

ASSARD introduced an upgrade of their fascinating High Gravity by Tom Wible. This one is faster, has more screens, and lets you design your own. I had not seen it before, and after playing with it for a while, trying to figure out trajectories through the high gravity planets, I had to take it home! I recommend this game for everyone!

MYARC ran into one more obstacle that kept full-scale production 9640's from appearing in New Jersey. The board manufacturer delivered 300 defective boards to MYARC - each with about 100 shorts on it, because of misaligned layers. They went in the scrap heap! The replacements came in, but not soon enough for TICOFF. I don't have mine yet for the same reason, but they'll be in Boston on April 4th. I missed Lou Phillips' talk in the auditorium, so I didn't see several new programs being demonstrated. Lou asked me to cover his table for him while he and Paul were speaking. It gave me a chance to use the 9640 for a while and tried out the new 80-column MYARC Wordprocessor, the modified TI-Writer. I used the enhanced keyboard option with it, and I was very impressed all around. The keyboard's touch is just right, the 80-column color screen (using a MAGNAVOX monitor) was clear and easy on the eyes, and the 4A's multiple key presses were never missed! This is being typed on the 4A, which has stood me well for a long time, but I am quite eager to get my own 9640. I won't get drawn into Ron Albright's criticism of the 9640 as too little and too late and with no future, but I know the 9640 is right for me and I will soon own one. If you want to see an interesting piece of business software that will run on the 9640, look at the PECAN Software ad for a program called JACK2 in the latest BYTE magazine (pages 137 and 303). It looks something like Intuc's SYMPHONY.

Our Boston Computer Society TI-99 User Group did extremely well. We were selling copies of our public domain library of full disks of carefully selected programs for \$3 apiece or 4 for \$9. We withdrew fairware programs from our offerings, because the Roselle Park Student Council was selling Fairware programs (with a portion for the author) as a fund raiser, and we did not want to compete with this deserving activity. In spite of this, we made over \$1000 for the day for the user group. I hope all the vendors and groups had as successful a day as we did! This was our best day of sales ever - even better than our own Fayuh or the Chicago show last year. So all in all, I came home with very good impressions from TICOFF. Thanks to all of you who put on such a good show! Hope to see a lot of you at the New England 99 Fayuh on April 4th!

SCRIPTWRITING ON THE TI PART ONE:
THE TWO-COLUMN FORMAT
by Rich Yacco

If you've ever thought you could write the "Great American Screenplay," but thought you needed special software that's not available for the TI-99/4A, think again.

TI-Writer has what it takes to start you on your way to writing Hollywood's next blockbuster. And if your more immediate need is to write a script for a sales or training videotape for your company, or a commercial for your business, TI-Writer has what it takes.

While not intended as a tutorial in TI-Writer or the writing of a script for dramatic or presentational films and videotapes, this two-part article will help you write such scripts using your good old TI-99/4A.

Let's tackle the standard two-column script format first. This format is used primarily for video productions, ranging from commercials and newscasts to trade-show presentations and training tapes. As example #1 shows, all descriptions of screen image and action are placed in the "video" column on the left-hand side of the page, while all "audio" notes, including dialogue, narration and sound effects, are placed in the right-hand column. Video pertaining to specific audio is kept side by side.

The ideal wordprocessor to use when writing such a script allows the author to work on one column at a time. Such software also allows independent column reformatting. This lets the video and audio portions be edited separately, yet keeps them tied-together in terms of page placement.

In writing such a script on the TI-99/4A, I've found the following procedure works best:

write the narration and dialogue (audio) first. To do this, leave word wrap on, set the left margin to 40 and the right margin to 80.

As you write the audio, you can use all of the TI-Writer editing features, including "reformat", as you would for any document. After completion of the audio portion, insert a "new paragraph" between each line. This will double-space the audio portion, while allowing you to keep the video portion single-spaced.

When it comes time to writing the "video" portions, you must exercise caution. First, turn-off "Word Wrap." Second, set your Left Margin to 5. This will leave you space on the left to go back and number each shot listed under video.

Since you will still wish to read what has been written under the "audio" column, leave your right margin at 80. But beware: as you enter your video information, do not type anything beyond character position 35. You want to leave a margin between the video and the audio portion. Also, you will have to manually move the cursor to each new line.

If you had a right margin of 35 and used word-wrap to add new lines as needed, the information you enter would change the layout of the audio column.

When it comes time to printing out the script, do not use "Fill" (.FI). I usually use the following imbedded commands:

```
.HE &VIDEO      Script Title, Date  
&AUDIO  
.FO PAGE %
```

Other imbedded commands, such as underscore (&) and overstrike (@) can be used within the script. However, if they are used within the video column and not handled properly, they will cause "outdents" in the audio column.

I have used TI-Writer in the above manner to write scripts ranging from commercials and brief marketing presentations, to training videotapes more than 30 pages long. Although not as convenient as a wordprocessor designed specifically for 2-column script writing, TI-Writer has proven much easier than other programs I have used on other systems.

In the next part of this article, you will learn how to use TI-Writer for "The Great American Screenplay."

TI-WRITER/BA-WRITER/FUNNELWRITER COMMANDS

by Helmut Fuchs

CURSOR MOVEMENT

↑ 6F UP 24 lines
 6C UP 1 paragraph
 9F,S 95 go to line 95
 EF UP 1 line
 ●
 ●●●
 ●
 XF DOWN 1 line
 4C DOWN 1 paragraph
 4F DOWN 24 lines
 ↓ 9F,S 145 go to line 145

GENERAL COMMANDS

9F Command Mode
 3C Screen Color
 5F Window 1..40
 26..65
 40..80
 1C OOPS! undelete
 0C Fixed/ Wrap mode
 0F Line # on/off

TABS SET

L....I....T...T...T...R

(1 MIN.) L MARG INDENT TAB.... RIGHT MARGIN (80 MAX.)

VC TC SFC ●●● DFC 7F IC 5F
 ←-----→
 LEFT 1 TAB 1CHAR 1CHAR 1TAB INDENT WINDOW

9F EDIT

0F LINE # on/off
 0C Word Wrap/ Fixed Mode

PRINT CONTROL

8C New Paragraph
 9C New Page
 UC ASCII char. to printer

INSERT TEXT

2F Split Line, insert text
 2C Reglue line, remove spaces
 5C Duplicate line above cursor

9F Q QUIT

S Save Text on disk
 E Exit Editor, save first / lose text
 P Purge Text, lose file
 RE Recover Edit: return purged File

DELETE TEXT

1F 1 Character each time
 3F 1 Line delete
 KC Delete to end of Line
 9F,D, 20 24 Delete line 20 to 24
 1C OOPS! undelete last delete

9F PF PRINT FILE

PF PIO/RS232 Print current text
 4F Stop Printer

TEXT SEARCH and REPLACE

FS /text/ Find a word
 RS /text/replace/ Replace a word

9F F FILES

LF DSK1.TEXT Load a File from Disk
 SD 1,2 Show Directory, start/stop any key
 8F Next Directory
 6F Next Directory from FORMATTER
 SF DSK1.TEXT Save file on Disk
 9F Exit from FORMATTER
 DF DSK1.TEXT Delete File from Disk

9F L LINES

5C Duplicate Line above Cursor
 M,12 20 70 Move Lines 12 to 20 after Line 70
 C,12 20 70 Copy Lines 12 to 20 after Line 70
 D,12 20 Delete Lines 12 to 20
 S,20 Search for line 20

9F F PARTIAL LOAD/SAVE

LF,23 DSK1.TEXT Load Disk File after Line 23 on screen
 LF,4 23 DSK1.TEXT Load lines 4 to 23 of Disk file to line 1
 LF,90 4 23 DSK1.TEXT Load Lines 4 to 23 after line 90
 SF,4 23 DSK1.TEXT Save lines 4 to 23 on disk

* * NOTE: 9F IS FUNCTION 9. 9C IS CONTROL 9

(The following was taken from the Feb 87 PUNN Word Play)

PRODUCT REVIEW - BOOK REVIEW TI-HYPHENATOR ORPHANS SURVIVAL

"HYPHENATOR"

One of the nice features of TI-Writer is the ability to type in word-wrap mode, which speeds up typing by allowing you to concentrate on text without having to worry about exceeding the right margin.

There is a draw-back, though, to word-wrap in that longer words which would exceed the right margin are scrolled to the next line in their entirety.

The disadvantage of this system becomes obvious when text is printed out using the FORMATTER when there is a tendency for the right margin to have the "jaggies".

Using the right-margin-flush feature (.AD) of FORMATTER provides only a partial cure since now FORMATTER inserts blank spaces between words to fill up the line. The amount of white space inserted varies with the number of characters that need to be filled with the result that text can be rather blotchy in appearance.

The only way to improve the appearance is to re-edit word-wrap text and to hyphenate as much as possible where lines break.

Unfortunately, the EDITOR of TI-Writer is not quite up to that task.

At the most, the EDITOR can display 80 characters per line whereas the FORMATTER and most printers can handle Elite (up to 132 characters) or Condensed (up to 132 characters) per line. In such a case the EDITOR is of no help.

A further hindrance is that the EDITOR will display imbedded print commands which is helpful in creating text but a serious obstacle in fine tuning right margins. Typical examples are string commands to turn, super- or subscript on or off or the "ampersand" or "at" commands of the TI-Writer for underlining and double strike.

Quite often for ease in typing and editing users elect to fix the right margin at 40 characters to do away with horizontal scrolling. An attempt to judge the final appearance of text by resetting tabs to final form and using the "Reformat" command can be misleading since previously entered indentations are then ignored.

HYPHENATOR is an editing utility for TI-Writer that succeeds in addressing the following problems:

HYPHENATOR handle print-widths or

right margins of up to 160 characters.

HYPHENATOR properly accounts for imbedded print commands, be they the TI-Writer "at" or "ampersand" type or special character mode (CTRL U) transliterate symbols.

HYPHENATOR makes it possible to change margin settings within a document for quoted text that needs to be indented further.

HYPHENATOR recognizes a double "ampersand" or "at" symbol as a character to be printed rather than as a non-printing control character.

HYPHENATOR allows for the FORMATTER idiosyncrasy of inserting two blanks following a period even though only one space might have been typed in.

The program is a stand alone utility that can be loaded using the LOAD and RUN option of the Editor/Assembler or Mini-Memory cartridge. After loading, HYPHENATOR will prompt for the name of the input file (the name of the document created with TI-Writer) and a name for an output file which HYPHENATOR will create in TI-Writer format. The use of either a single disk or two disk drives is supported. The original text file will not be altered in any way.

Once the proper files are set up, HYPHENATOR will read in a paragraph of text which can be up to 5280 characters long (a full page, single-spaced).

According to the margin and indentation information for which HYPHENATOR has prompted, the first block of text will be displayed (five lines) with an end-of-line marker exactly on that character which would be the last character to be printed by the FORMATTER, with all non-printing characters, extra spaces, etc. already accounted for.

If the end-of-line marker points to a space or the last character of a word, no further action is necessary except for pressing <ENTER> to bring up the next line.

If the EOL marker points to the middle of a word, a decision needs to be made whether hyphenation is possible. If yes the editing cursor (FCIN S) should be moved to the last character prior to the hyphen and a hyphen symbol keyed in. HYPHENATOR will supply the necessary prompts to complete the job.

Once all the lines of a particular block have been edited a screen message will prompt for writing the block out to

the disk file.

For speed and convenience, HYPHENATOR has a number of imbedded defaults. Thus empty lines or lines with only format control characters are written to the output file without user intervention.

An "oops" feature can be invoked at any time by pressing <CTRL 1> to go back to the beginning of the paragraph. This comes in handy if there should be any second thoughts about a line just completed.

<CTRL 3> AND <CTRL 4> toggle the screen display color which make it possible to display many combinations of screen and text color..

<CTRL 2> invokes the margin/indentation set option to change these values at any time. <CTRL 9> writes out the remainder of an input file without further editing to the output file. This comes in handy where only a portion of text needs that final touch.

Any time a line of text is displayed on the screen, minor editing is possible. Thus "recieve" can be changed to "receive". The limitation is that the new text must have the same length as the original text.

HYPHENATOR is written in Assembler and thus is very fast. A test with a 59 sector compressed print document could be "fine-tuned" in under twenty minutes.

The use of a pocket dictionary in conjunction with HYPHENATOR is strongly recommended. Due to the memory limitations of the 99/4A system, HYPHENATOR can only show what word to hyphenate. Where to hyphenate is up to the user. That's where the dictionary comes in handy.

HYPHENATOR complete with four and one half pages of documentation on disk is available from the author:

Wayne L. Stith (Smith ??) 715
Timken Drive Richmond, VA 23229

The cost is \$10.00. Source code in addition to object code and documentation is available for \$15.00.

(EDITORS NOTE:)

I have not tried this program and only offer the comments as presented. However it seems to be a reasonable price if it lives up to its claims. -ccb-)

"THE ORPHANS SURVIVAL HANDBOOK"

(The following is an advance release announcing the upcoming new book from Dr. Ron Albright, author of the "The Orphan Chronicles", published by D.O.S. - Disk Only Software).

The first book, "The Orphan Chronicles", was ABOUT you, the Texas Instruments 99/4A enthusiast. Now, there is a book BY you. The "Orphan's Survival Handbook" is the one-stop information source for the TI user.

The "Orphan's Survival Handbook" was both easier and harder to put together than was the "The Orphan Chronicles". Easier in that it was already written! It is an anthology of material gleaned from literally hundreds of user groups newsletters and hundreds of hours of downloaded files from bulletin board

systems. It is the "Best of" you - the TI user group members, hackers, programmers, and newsletter editors. Why, then, was it difficult? There was so much quality material available! The hardest thing was not finding enough material, it was deciding what I could leave out!

The "Orphan's Survival Handbook" is a 200-plus page compendium of TI material. It is filled with schematics, hardware hacks, programs, tips, and tutorials from across the country. Where to call, where and what to buy, and what to read. Moreover, it contains new, "never-before-seen" material from some of the brightest minds in the TI community (too numerous to name them all). Looseleaf, and three-hole punched, the manual can be placed conveniently in a binder for easy access. And updates

(which are planned for registered owners) can be easily incorporated into your "Handbook" as new insights and developments become available. While I can't guarantee the "Handbook" will have "everything you ever wanted to know", I can assure you that it has most everything I could think of.

The "Orphan's Survival Handbook" is published and available from Disk Only Software (DOS), P.O. Box 4170, Rockville, MD 20850; (301) 369-1339 or call our toll free number at 800/446-4462 plus \$97335 at the tone (touch tone required). Projected retail price is \$16.95.

Call or write DOS for details today!
(Reprinted from the TIC TAC User Group Newsletter)

Bug Report for PRBASE

Reprinted From: Twin Tiers newsletter, Feb 1987

If you have had a problem with PRBASE in creating a new database, press ERASE (FCTM-3) prior to entering an output device name. Alternatively, you may type in your device name and completely fill the name field with spaces. Not doing this will result in you receiving an I/O error when you try to print. You will not have to keep doing this, only the first time you use it.

William Warren
(author PRBASE)

Loading the CORCOMP Disk Manager From a Program

Reprinted From: HUGgers newsletter, Feb 1987
Original Article: LA TOPICS newsletter

To call the CorComp MGR from a program (which CorComp says you can't do), simply use the following code in your program:

```
100 CALL INIT
110 DELETE "LD-CNDS"
120 CALL LINK("MGR")
```

Handy TI Tips & Tidbits

Reprinted From: PUG newsletter, Jan 1987

The following tips were collected by Rick Kellogg and appeared in the Oct86 newsletter of the CINDAY Users Group.

```
Prompt 'BEEP' CALL SOUND(150,1390,2)
Prompt 'HONK' CALL SOUND(70,218,1)
```

Special Screen Character Codes:

```
Slashed Zero CALL CHAR(48,"003B444C54644438")
Right Arrow CALL CHAR(??,"000804027F020408")
Left Arrow CALL CHAR(??,"00102040FE402010")
Up Arrow CALL CHAR(??,"081C2A4908080800")
Down Arrow CALL CHAR(??,"00080808492A1C08")
Solid Line CALL CHAR(48,"00FF")
Copyright Symbol CALL CHAR(??,"003E415D515D413E")
PI Symbol CALL CHAR(??,"0000FE2828282828")
Cent Mark CALL CHAR(??,"00083C4848483C08")
Check Mark CALL CHAR(??,"0002020404482810")
```

NOTE: For the above CALL CHAR's with ?? instead of a character number, you can add any number you are not using in your program.



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