

# CLEVELAND AREA TI-994/A USER GROUPS NEWSLETTER APRIL, 1991

OFFICERS	NORTHCOAST	TI-CHIPS	MEETING DATES
CO-PRESIDENT	STEVE BAGSTAD 1-933-5977	MATT ANDEL 676-9759	NORTHCOAST 1:30 P.M. TI-CHIPS 10 A.M.
CO-PRESIDENT	BOB KAGY 1-255-2609	GLENN BERNASEK 238-6335	EUCLIDIAN ROOM N.ROYALTON LIBRARY
TREASURER	FRANK JENKINS 283-8526	LIN SHAW 235-3912	EUCLID SQUARE MALL STATE RD & RT 82
MEMBERSHIP	MARTIN SMOLEY 1-257-1661 6149 BRYSON MENTOR, OH 44060	JOHN PARKEN 331-2830 4172 W. 217TH ST. FAIRVIEW PARK, OH 44126	THIRD SATURDAY THIRD SATURDAY FEBRUARY 16, 1991 MARCH 16, 1991 APRIL 20, 1991 MAY 18, 1991 JUNE 15, 1991 JULY 13, 1991
SECRETARY	BERNIE ZUCKERMAN 381-4088	DENNIS LIKENS 842-9627	
LIBRARY(DISK)	MARTIN SMOLEY 1-257-1661	HARRY HOFFMAN 631-2354	
(TAPE & MODS)	FRANK JENKINS 283-8526	JOHN PARKEN 331-2830	
HARD COPY)	DICK ALDEN 1-352-9172		

It won't be long now until time for our annual trip to Lima! I understand the CHIPS group plans to meet a week early, and since NorthCoast doesn't have that type of leeway in their meeting arrangements, they will not meet in May. So make arrangements for your rides at the April meeting! Thanks to Glenn Bernasek for reserving tables for our groups.

The April Lima newsletter reported the following have agreed to give demos:

--Eunice Sponner, "THE OAKLAND COMPUTER CLUB." This elementary school user group is probably the most active user group in the country. Eunice may have a 12-year old club member assist with her presentation.

--Mike Wright, "THE TI99/B." Mike, a member of the Boston Computer Society, is a collector of all things relating to the history to fhte 99/4A. He will put the 99/B through its paces for us.

--Paul Schiedemantle, Topic to be announced (Paul says "Maybe something about programming.")

--Irwin Hott, "STATUS OF THE NEWSLETTER ARTICLE CLEARING HOUSE." This project, initially discussed at the 1990 MUG Conference, has received enough funding to proceed as planned. It may be in operation by the time Irwin gives his report.

--A user group officer's meeting will be held immediately following Irwin Hott's report.

--Jim Horn, "THE SEX LIFE OF THE 99/4A." Honest folks, that was the tentative title Jim gave us.

--Gary Bowser, "HARDWARE AND SOFTWARE PRODUCTS FROM O.P.A." In the last few years Gary has been on the cutting edge of new products for the 99/4A.

--Barry Traver, "THE CURRENT STATUS OF THE TI COMMUNITY."

--Bruce Harrison, "GOLF SCORE ANALYZER, AND OTHER HARRISON SOFTWARE."

--Bud Mills "THE LATEST FROM BUD MILLS SERVICES"

--Chris Bobbitt, "SOFTWARE AND HARDWARE FROM ASGARD."

table space: Cin Bay User Group; Great Lakes User Group; Bud Mills Services; St. Louis User Group; Conni; Tiger Cub Software; Genial Traveler, Cleveland Area User Groups; Oh Mi Ti User Group; L.L. Conner Enterprise; Oasis Pensive Abacutors; Ramcharged Computer; The Fort's User Group; New Horizons User Group; 979 User Group; Harrison Software; Competition Computer; Hoosier User Group; MS Express; Chicago User Group; Asgard; Lima User Group.

Hoping to attend, but not yet confirmed were Jack Sughrue; Beery Miller and Chris Pratt. I apologize for the quick way the newsletter has been slapped together the past couple of months. People who have never worked in a CPA office cannot imagine the hours and the pressure this time of year. Really have very little time for anything else and it has shown in the newsletter. Hope to do better after the 15th of next month!

At NorthCoast we are sad to learn that Steve Bagstad has made a decision to go to another computer. We will miss his articles, presentations and leadership, but wish him well. In order to finance the new computer, he is selling his TI stuff. See a list on the back page.

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As of the newsletter date, the following had requested

EXECUTIVE NOTES - NORTHCOAST  
BY STEVE BAGSTAD

The March meeting was quite well attended, and I hope interesting to many as due to a number of factors we delayed the formal start of the meeting until about 2 pm, and most people seemed quite actively engaged until (and beyond?) then. Some of the items discussed were how to keep track of and be sure to show the group both new and updated software (Harry Hoffman took one new program Marty had received, with a commitment to DEMO it at the April meeting); a side comment or two of recent Asgard catalogs; Howie Winkler mentioning several hardware items he has available (numeric pads- now all sold; ramdisks- some still available; Epson printer ROMs- some still available), and he prefers to handle in Club- if you are interested, please CALL HIM! I presume he'd be happy to deal with Chips members as well.

We did have some demos by Wes Richardson, Bob Kagy, and yours truly- but the rest of you folks that were there and have last names ending in A-G, you ONE the Group the demo for April mentioned in the March newsletter. Please bring SOMETHING in to share. And we can also ask the H-O group to be ready just in case.

And one quick "sad" note from yours truly- I didn't want to make a federal case of it at the meeting, but my family has decided to move to a new system, and since costs and space prevent us from keeping both, I'm selling my TI/Geneve system. I do want to say a special farewell and THANKS to the Group, particularly the dedicated people who devote many hours of their time to keeping "the ball rolling"- I think you all know who you are. Thanks again, and I guess look for Bob in the future--

Next meeting April 20, and there will be NO MAY meeting due to interference with the LIMA FAIRE.

TI-CHIPS (16 MAR 1991)  
Dennis Likens (SEC)

GREETINGS. The 16 March meeting was called to order by President Matt Andel at 10:19. There were 23 people on hand to here the reading of last months minutes and being approved.

TREASURER'S REPORT: This months balance is \$1131.04, down \$1.09 from last month.

TAPE/MODULE/MEMBERSHIP: ATTENTION! 4 memberships expire this month, 4 next month and 3 in MAY. Advise John Parken if you attend to renew but let it slip your mind. If we're not filling your needs, let us know how the group may improve. The Boston Computer Society is having a TI fair April 6. John also had 4 enquires about our club through ads he has placed in local papers.

DISK LIBRARY: Harry was busy producing copies of TIPS V1.8. A word of warning. V1.8 takes up 512 sectors now so will not fit on a SSSD disk, however, he may be able to put the docs and code that isn't needed right off hand, on the back of the disk so those who have SSSD can use it.

A member suggested that with the money we have on hand, we purchase a DSDD card for the clubs computer. This brought forth the suggestion of the new card being developed

by EDS in southern Calif. This card will control floppies and hard drives. The floppy format can be upto (true) 3.5" 1.44mb drives. Not sure about the size HD it can handle but for \$225.00 and coming from a company thats been around for a few years, sounds like a good buy. This card is going (hope) to be demo'd at the LIMA conference this year. If it appears the perform well, we may be buying one for club use and members may consider upgrading. We want to see it work (and work well) before we decide.

DEMO: Matt demo'd F\_DOS. It's like an MSDOS for PC'S. Gives you DOS like commands such as RUN, LOAD, CLEAR SCREEN (CLS). This program will run programs, catalog disks, format disks. It formats as easy as typing in the following. "FORMAT 2 1 1" This cmd formats drive "2" as a "1" sided, "single" density. The program requires super cart, or GramCracker device. Not sure if it will work off mini-see.

John Parken Demo'd TAPE MASTER. This program reads files from a disk, then saves them to cassette tape. This program even will tell you how long it will take to do the job, so when you press run, it will do the rest. Also demo'd was TITLE GENERATOR which is on disk 61 in the library. This program is for those who do home videos. You can select different types boarders with different colors, up to 17 lines with different background color and letter color. Even the background itself can have a different color. 11 lines max with the use of borders. Another video title program TI-TILES on the same disk was shown. this had 4 lines, auto center with user select colors.

XB: Les Kee showed us a program called "STELLAR DIFFRACTION PATTERNS". This program was compute the distance your position then print out a photo of what it really looks like. One word of warning here, it can take a long long time (try around 34 hours for one diffraction pattern Les ran) so be prepared to let your system alone for a couple of days but takes less time if you use a shorter distance for computations.

The raffle winner was CAROL SHAW. She picked up new TIPS, lots more. Congrats to Carol. Well, next meeting at 10:00am, North Royalton Library on April 20. Hope to see ya.

SMALL PRINT

By R.S. Kagy - NorthCoast 99ers - Cleveland, Ohio

This program will print in small letters. The print codes are to an EPSON PRINTER. If your printer is different make, check your printer manual for the right codes.

```
100 OPEN #1:"PIO"  
110 PRINT #1:CHR$(15)  
120 PRINT #1:CHR$(27);CHR$(83);CHR$(1);  
130 PRINT #1:CHR$(27);CHR$(81);CHR$(132);  
140 PRINT #1:CHR$(27);CHR$(1);CHR$(16)  
150 CLOSE #1  
160 END
```

```
CHR$(15) = COMPRESSED PRINT  
CHR$(27);CHR$(83);CHR$(1) = SUBSCRIPT
```

CHR\$(27);CHR\$(81);CHR\$(132) = SETS RIGHT MARGIN TO 132  
CHR\$(27);CHR\$(51);CHR\$(16) = SETS LINE SPACING TO 16/216

Turn printer on and run the above program. Leave the printer on and anything that is printed now will look like this:

This is an example of small print

#### CHARACTERS FOR ASCII CODES

By Robert S. Kagy - NorthCoast 99ers - Cleveland, Ohio

To find characters for ASCII codes 128 through 254, run the following program:

```
100 OPEN #1:"DSK1.CM",VARIABLE 163
110 FOR I=129 TO 254
120 LN$=CHR$(I)&CHR$(I)
130 PRINT #1:LN$&CHR$(I)&CHR$(I)
140 NEXT I
150 CLOSE #1
160 END
```

You can use this program for any group of ASCII Codes by changing the numbers in Line 100.

After running the above program, TYPE NEW then TYPE MERGE DSK1.CM (You will get an ERROR Message...Ignore it). Then type LIST and the codes and characters will appear. You can delete any that you don't want by using the ASCII CODE number as the line number and erasing or altering the line. The program will not run, but you can list it to the PRINTER.

Lines 172,172,173,174,175,185,198,199,200,201,226,227, 228,229,230,231,&242 show odd looking characters. Some are evidently printer commands as some print out as expanded and some as compressed. Also lines 173 and 231 are Form Feeds and move the paper to the top of the next page, so you may want to DELETE these two lines before printing.

To list to Printer, type the following: LIST "PID":  
129-254.

You can also SAVE this in PROGRAM form so it will load much faster.

#### HELPFUL HINTS By-Bruce Radenkirch, Northcoast U6

I recently purchased a copy of 99 TIPS by John Hamilton of the Central Iowa 99/4A User Group. This is a list of tips he has printed over the years in their newsletter so I went through and picked out some of them to share with you. Some are direct quotes and others are edited so here goes:

If you have the Terminal Emulator cartridge and a Speech Synthesizer give this a try. If you are working on a program enter LIST "SPEECH" and the computer will read your program to you. I know a blind student at Akron University who is majoring in computers and he is an expert at writing and debugging programs. He doesn't use a monitor and keeps

track of things by having his computer read the "screen" to him. How's that for a humility pill?

"Jim Peterson, of Tigercub Software passes on this gem. If you mistakenly type "OLD CSI" when you meant "SAVE CSI", your program won't be lost if you type "Shift E Enter". You'll get an I/O error, but still have your program!"

"To further document your program you can add comments after a GOTO or a GOSUB. They won't interfere with the program. Here are two examples:

```
100 GOSUB 1234 -THIS SETS UP SCREEN
200 GOTO 2345 -EXECUTE THE PRINT ROUTINE"
```

A while ago Don Sedita wrote an article in the Greater Akron Area newsletter telling how to bring up a hidden "test mode screen" in the Munch Man module. Within three seconds after the Munch Man title screen, type ### and you will see a screen asking you for RND (enter round 0 to 2), SCN (enter screen 0 to 19), and MM (enter munchmen 1 to 9). John Hamilton says that this can be done with the Alpiner module also. "Type ### after the title screen shows and input the number of players (1 - 2), number of lives (0 - 9), level of difficulty (0 - 18), and the players' names. Levels 13 to 18 are tough to get to the top. At level 6 you will see the Abominable Snowman on skis!"

"Miller Graphics announces an unpublished memory location that allows you to disable the Fctn QUIT key if you have either Editor Assembler, Mini Memory, or Extended Basic. XB also must have the 32K and will need a CALL INIT."

```
CALL LOAD(-31806,16) will disable Fctn QUIT
CALL LOAD(-31808,0) will enable it."
```

"Need some sound effects? Try these with the TEII and speech Synthesizer using the program on page 37 of the TEII manual.

1. "KKKKKKKK" or "QQQQQQQQ" - steam locomotive
2. "UUUUUUUU" or "WWWWWWW" - helicopter
3. "VVVVVVVV" or "YYYYYYYY" - small plane
4. "JJJJJJJJJJJJJJJJJJJJ" - machine gun
5. "XXXXXXXXXXXXXXXXXXXX" - sewing machine

Experiment with the # of letters & mix them together."

"If you have the TEII module and speech synthesizer you can write a basic program to read stories from children's books to your kids. Here is an example:

```
100 OPEN #1:"SPEECH", OUTPUT 170 DATA ONCE UPON A TIME
110 FOR PAGE=1 TO 6 180 DATA THERE WERE 3 BEARS
120 READ WORDS$ 200 DATA WHO LIVED IN THE
130 PRINT #1: WORDS$ 210 DATA WOODS ATE HONEY
140 CALL KEY(S,K,S) 220 DATA AND LIVED HAPPILY
150 IF S=0 THEN 140 EVER AFTER
160 NEXT PAGE 220 DATA THE END
```

Just type a DATA statement for each page (but do not use any

commas). After you read the page, hit any key to continue."

Here is a handy one. "To change the screen color while in command (immediate) mode in Extended Basic, type the following (n is the screen color you want, from 3 to 16):

```
CALL SCREEN(N) :: ACCEPT AT (1,1):A ENTER Fctn 4"
```

"A slick way to end your programs if you have Extended Basic and 32K is to use the following routine that will take you back to the title screen:

```
CALL INIT :: CALL PEEK(2,A,B) :: CALL LOAD(-31804,A,B)
```

"Or you may want to simply restart XB (including the auto LOAD). Try this routine out of XB:

```
CALL INIT :: CALL LOAD(-31962,255)"
```

"While editing a line you mistakenly hit Fctn 3 (erase) when you meant to hit Fctn 2 (insert) and the entire line is gone from sight. Not to worry, just hit Fctn 4 (clear), retype the line number, and hit Fctn X. Like magic your line has returned, ready to be edited."

"For those of you who do not like the shape of the cursor, here is a nice XB routine from S.S. Romano of the 99'ers UG. Changing the last eight values in line 40 will produce new shapes."

```
10 CALL CLEAR::CALL INIT
20 CALL LOAD(8196,63,248)
30 CALL LOAD(16376,67,85,82,83,79,82,48,8)
40 CALL LOAD(12288,0,0,0,0,0,0,252)
50 CALL LOAD(12296,2,0,3,240,2,1,48,0,2,
  2,0,9,4,32,32,36,4,91)
60 CALL LINK("CURSOR")
```

I tried the above routine and it works. The revised cursor will last until you turn the computer off. Here are a few hints on how to change the values in Line 40 to get what you want. Each of the eight numbers when expressed as an eight bit binary byte describes the bits turned on in a horizontal row. The first zero for example describes the top horizontal row of a 8XB grid. The number zero means eight zeroes. The binary number 10000001=129 Decimal and would turn on the two end bits in the top row. 11111111=255 would be a solid line in. It's easy to figure out the value of the bits. Reading from right to left the first bit is one, the next is two and the next is four---each one doubles so the one furthest to the left or the eighth one is equal to 128. Just add up the bits you wish to be "ones". (10000011=131=128+2+1)

Tutorial 5.0 by Stephen S. Bagstad  
NorthCoast 99'ers - March 25, 1991  
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#### LATEST MULTIPLAN (MP) NEWS

This will be my last formal tutorial. I have completed a review of the earlier publications, and need to correct a few errors that somehow snuck into the articles. In 2.0 (Dec 90), the fourth paragraph in the later middle had values of 22.8 and 24.4963; the latter value should have been 24.4063. In the following sentence, the formula "R2C5/R2C20;" is a mistake as we have no C20 in this model, and if you do enter the correct R2C5/R2C20 formula, you will later get in trouble when you copy the formula; instead MOVE to these cells so that the formula in R2C6 reads "RC[-1]/RC[-4]", which will behave properly when copied. Two sentences later, when adding more data, be sure to enter data into the correct columns since we now have a calculated column that is initially skipped when entering data.

I have recently had a look at another "advanced" spreadsheet program that runs on Macintosh PC's called "Full Impact", and I must say it is pretty incredible; but it does not change my earlier comments that for basic sheets of the type we've explored in these articles, it really can do little that the TI/Geneve system cannot in terms of the calculations required and ability to readily update when changes occur.

#### SECOND EXAMPLE (Con't)

Let's finish the PERSONAL NET WORTH sheet that we began last time by including LIABILITIES and finally the result, NET WORTH. Fire up MP and load the worksheet we named NETWORTH. You should have a 32 row by 2 column sheet loaded. In order to separate the "Good" side from the "Bad", I shortened C3 to the minimum width of 3, and entered the closest character to a vertical line I could find on my keyboard "|" in rows 4 through 32 (enter the character used in R4C3, copy down 28 rows). To get similar spacing for readability, widen C4 to 22 and C5 to 12. Into R1, enter the last headings LIABILITIES in C4 and AMOUNTS in C5. In R2C4, enter "(What we owe)". The major subheadings on this side, with their subheadings, are CURRENT BILLS (R4C4) (subheadings Regular charge accts, Credit card balances, Utilities, Rent, Insurance premiums, and Taxes in R6-R10); AMOUNTS OWING ON LOANS (R12C4) (subheadings Home mortgage, Other real est. mort., Auto loans, Other loans in R14-R18); TAXES DUE (R20); ALL OTHER OBLIGATIONS (R22); and TOTAL LIABILITIES (R24).

As we did with the "Good" side, use the NAMES command to have BILLS refer to R6:R11C5; LOANS to R15:R18C5; TAXES to R20C5; and OBLIG to R22C5. Then, as we did with assets, into C5 opposite the major categories use the VALUE command

to put the sum of the matching defined name (SUM BILLS in R4C5, etc.). Then opposite LIABILITIES in R24C5, enter SUM of BILLS+...+OBLIG. This completes each major subgroup.

Finally, to get the result, I entered the "-" character in R26 across both C4 and C5 to separate the NET WORTH section. In R28C4, enter and RIGHT JUSTIFY "OUR NET WORTH". In R30C4, enter "TOTAL Assets"; R31C4 "TOTAL Liabilities"; and R33C4 (Centered) "NET WORTH". The corresponding C5 figures come from the totals to the left and above, with NET WORTH the difference. I also add in a lower position in C1 the filename I used, in parentheses, to help me locate it again- in this case, I put (NETWORTH) into R36C1. And as a finishing touch, I INSERTED 4 rows at the top to add PERSONAL NET WORTH as a title in the new R1, and the current date underneath that in the new R2. That about does it!!

### TOURNAMENT SOLITAIRE

REVIEW BY DEANNA SHERIDAN - NORTHCOAST 99ERS

As a Solitaire fan, I have been looking forward to getting Tournament Solitaire from Asgard. Ron Markus had it at the last NorthCoast meeting, and I was not disappointed.

The disk contains 7 popular Solitaire games (I once had a book of 150 ways to play Solitaire, so we still have some to go). You can play the games individually or "in tournament" going through all 7 and saving your high score. As most games, this is written in Assembly and playing cards, shuffling, etc. all are done rather quickly. Joysticks are not supported and all play is done with the arrow keys and space bar. There are no sound effects. This would have been a nice addition. Otherwise, it is definitely one to get for Solitaire freaks.

Games included are:

**GOLF** - Object of which is to get all the cards on the top pile.

**PYRAMID** - The object of Pyramid is to get rid of all the cards. To play, two cards together must add to 13 to be removed. As you might guess, the deck is dealt in a pyramid shape.

**KLONDIKE** - Is what most of us learned as our first Solitaire game.

**CANFIELD** - A column is started when dealing at the top of the screen. This starts the card on which you build all four suits until all the cards are at the top. Harder than Klondike to win.

**CALCULATION** - The foundation cards, are the Ace, Two, Three, and Four of hearts. On pile 1, the cards must be incremented by one, the second by two, etc. For example, the third pile will go in this order: 3,6,9,0,2,5...

**PILE UP** - All cards must get to the foundation piles on the right of the screen.

**CORNERS** - The cards are played from the deck on to the

tableau piles (the piles in the form of a cross, the middle row, and the middle column), or the foundation piles (the corners).

The cost is \$14.95 from Asgard Software, P.O. Box 10306, Rockville, MD 20849.

### GRAPHIC ICON CONVERTER

Review by Deanna Sheridan - NorthCoast 99ers

Many TI users also have IBM compatible systems or friends who do. Thus, if they use TIPS, this program will allow them to have an almost endless supply of graphics.

If you have access to PrintShop, PrintMaster, or TRS-80 Postmaster files that have been sent over to the TI via XMODEM, they will be in DISPLAY-FIXED 128 format. Graphic Icon Converter (GIC) will take those files and in a matter of a couple of minutes, convert a file of a 100 or more graphics to TIPS format.

Another way for you to get these files, is if you have a program called DEZIP (available on GENIE, COMPUERVE, ETC. and soon to be in our library). With DEZIP, you can unzip archived IBM files on the TI. However, the version that comes off the boards will not unpack a compressed file (and I do not know of any anymore that are not compressed). To get the compressed version, you must register. I believe the cost is \$12 (a bargain). Thus, you only need access to a BBS with these files. If you are on GENIE, COMPUERVE, etc., just go directly to the libraries and get the graphics, use, DEZIP, then use GIC, and you are in business.

In reading the DOCS, I get the impression that the program was originally written in Quick C on the IBM and ported to c99 on the TI with some minor modifications. We were told when we got c99 this would be possible.

If you use TIPS a lot or other graphic programs that can use the TIPS graphics (remember they can be converted to instances and PagePro), I suggest you get this little utility and reimburse the author. This was written by Dave Phillips, 2833 Central Drive, Sanford, FL 32773.

I had a problem with the program that others may or may not run into. I had downloaded several files of PrintMaster graphics on my IBM that had 600 graphics per file. I knew this would be totally unmanageable on the TI and wanted to create files of about 100 graphics each. I have a program called PMBLIB which shows the graphic on the screen, and you can choose whether or not you want to include it in a new file. I did several files, sent them over to my TI and thought I was in business. My new TIPS files were created post haste with GIC and I decided to try them out on the TIPS program itself.

I went into the TIPS VIEW and printed out my graphics, then called up the TIPS program to use them in a test card. But, the TIPS program COULD NOT find the graphics I had just printed out! I tried another file with the same result. I could not imagine what was wrong!

Genial Traveler Vol 2. No. 6 had an article by Ron Wolcott telling how he had originally converted the graphics to TI Format. I read this and decided to try a set his way. Since GW Basic loads ASCII files, I sent the program over and

loaded it. I needed a couple of minor changes to make it work. In the data files, I had to tell it the name of the graphic files I was going to use, and then I also had to tell it in what directory they would be found. It will convert 4 sets of graphics at once. This was a relatively painless process. I then used PC Transfer to bring the files over to the TI just as Ron did. I found it interesting that these were DV/80 files of the graphic hexcodes which means that one could use these in X BASIC programs if they wished!

However, before TIPS could use them, they had to be converted from hexadecimal to binary and a small X BASIC program was available to do this. I only had 50 graphics in my file and it took Forever!!!!. (It really makes one appreciate the time and effort it took for Ron to create this program for our use.) The next step was to convert the names file (the XXX file) to TIPS format. Here, I began to understand my problem with GIC. The names must be in alphabetically ascending order to work. I loaded the XXX file brought over from the IBM and all the names were in descending order.

Back to the IBM! I loaded my PMLIB program and created a new file. I then loaded in a PrintMaster program, and sure enough, the PMLIB program takes the LAST icon you save and makes it the FIRST in the new file it creates. So, I loaded a file through PMLIB and went to the last ICON and worked backwards to make my new files. I then sent one over to the TI to test and this one worked perfectly with GIC and TIPS because now the titles were in ascending order. Would NEVER have figured it out without the little article in Genial Traveler. As it was, it took me several hours of stumbling around. So, in case, any of you work with PMLIB on the IBM, please take note, or your TIPS program will not be able to find the graphic you want to use!

#### NEW PROGRAMS/HARDWARE FOR THE TI

From the Jan/Feb/Mar 1991 issue of KC 99er Connection

#### TI-IMAGE-MAKER

Internal console expansion board designed to upgrade video display system, to be installed in place of the current TMS9918 chip. Supports an 80-column RGB monitor. Comes with a variety of software: 80-column Funnelweb, 80-column TELCO, and other programs. \$179 and \$7.50 S&H; money order or check.

#### "GISMO" by Gary Bowser

Cartridge expander device: up to 8 plugged into TI at one time. Switch from one module to another. Access routines in one cartridge while using another.

OPA

432 JARVIS STREET, SUITE 502  
TORONTO, ONTARIO, CANADA M4G-2H3

#### NEW PEB BY RAVE 99

Expansion box system for the 4A or Geneve; smaller than the TI PEB. 200 watt power supply, for 3 floppies and a

3.5" hard disk. Two models: one for just the 4A, the other for the 4A and Geneve. \$250; \$300.

RAVE 99  
112 RAMBLING ROAD  
VERNON, CT 06066  
(203) 891-7824

#### TI HARD AND FLOPPY CARD BY CHRIS PRATT

Up to 4 hard drives and 4 floppy drives. 100% TI compatible. \$225.00 including shipping.

ELECTRONIC SYSTEMS DEVELOPMENT CORP.  
P.O. BOX 23805  
WASHINGTON, D. C. 20026-3805

#### \$BMG-DISK CONTROLLER BY MICHAEL BECKER

Double sided double density disk controller card from Germany. Includes software. \$240.00 U.S., depending on exchange rate.

SYSTEM 99 USER GROUP  
ATTN: MICHAEL BECKER  
SANKT INGEBERTER STRASSE 5, D-6800  
MANNHEIM 31 GERMANY

#### MIDI MASTER INTERFACE BY MIKE MAKSIK (ASGARD)

Links TI PEB to an electronic keyboard. Generates musical scores; saves files on disk. Available for TI as cartridge; for Geneve as disk version. \$44.95; S&H extra.

#### ASGARD E61 (EXTENDED GRAPHICS INTERFACE) BY MECHATRONICS

Expands graphics capabilities of even a console-only 4a to level of a VGA display on an IBM compatible computer. Is a "sidecar" like device. Expands video memory from 16K to 192K. Comes with several disks full of 80-column software. Due February 1, 1991. \$249.95; \$15.00 S&H; airmail \$20.00.

GAMES BY ASGARD - Rock Runner: music and sound effects  
- Tournament Solitaire: 7 different games  
- Waterworks: 99 screen arcade games  
- Castle Darkhole: adventure  
- Rattlesnake Bend: adventure

#### UTILITIES BY ASGARD - Artist Font Maker

- Sports Pics
- YAPP ("Yet Another Paint Program"): requires 80-column card or GENEVE
- Page Pro 99: such as Banner Maker; Borders 1 and 2; Sideways Printer; Headline Maker; and others
- Link: cartridge based terminal emulator

ASGARD PERIPHERALS (For Hardware)  
P.O. BOX 10697  
ROCKVILLE, MD 20849

(703) 255-3085

ASGARD

P.O. BOX 10306

ROCKVILLE, MD 20849

(703) 255-3085

BACKSTEINE BY QUINTON TORMANEN

Breakout type game; fast, furious \$10

WARZONE BY QUINTON TOURMANEN

Fast arcade action \$10

LIVING TOMB BY QUINTON TOURMANEN

Adventure game \$15

ARTIST CATALOG BY PAUL COLEMAN

Print out a picture catalog of TIArtist instances and fonts \$10.

Add \$1.00 S&H each; \$3.00 max

COMPRODINE PRODUCTS

1949 EVERGREEN AVENUE

FULLERTON, CA 92635

(714) 990-4577

(NOTE: Comprodine also has a series of TIPS graphics which have been converted to a format that can be printed through the TI-Writer/Funnelweb Formatter. These allow you to mix text and graphics at will in TI Writer. Have not had the opportunity to see these, but believe they are \$5.00 per disk.)

GIF MANIA BY BARRY BOONE

Displays GIF pictures exchanged between different computers. Converts GIF images into a format used by TI Artist. \$14.95; \$3.00 S&H

TEXAMENTS

53 CENTER STREET

PATCHOGUE, NY 11772

(516) 475-3480

HARDBACK

Back up one hard drive directly to another hard drive: \$15.00

DISKASSEMBLER V2.0

Disassemble D/F80 object code with resolution of REFs. For the Geneve. \$22.95.

THE BUGGER V1.1

Similar to TI Debug. Includes 3 kinds of single-stepping and breakpoints. For the GENEVE. \$18.50.

T & J SOFTWARE

515 ALMA REAL DRIVE

PACIFIC PALISADES, CA 90272

9640 NEMS BY DEERY MILLER

Disk magazine for GENEVE users.

(NOTE: I understand Deery is trying to generate enough interest among 4A users for a disk magazine. Write if you are interested)

9640 NEMS

P.O. BOX 75-2465

MEMPHIS, TN 38115

GEN-TRI BY WAYNE STITH

Geneve version of Triad. A terminal emulator, word processor with spellchecker and disk manager. \$19.75

JP SOFTWARE

1014 PINE STREET

MENLO PARK, CA 94025

(415) 328-0885

GOLF ANALYZER BY BRUCE HARRISON \$17.00; S&H EXTRA

BRUCE HARRISON

5705 40TH PLACE

HYATTSVILLE, MD 20781

STAR TREK THE NEXT GENERATION CALENDAR BY RAY KAZMER

The calendar uses digitized pictures. It includes 12 full page files that are accessible through Asgard's Pix-Pro, JP Software's MacFlix, or McCann Software's TPA. \$10.00

CERTIFICATE 99 COMPANION PLUS BY KEN GILLIAND

This disk includes 30 borders, 60 clipart images and 11 fonts. The files work with Certificate 99 by Great Lakes Software. \$7.00

THE RING COMPANION BY KEN GILLIAND

This two-disk package features art work, music and literature about Richard Wagner's Der Ring des Nibelungen. The art is in the form of 14 Ti-Artist files. \$8.00

SON OF THE DISK OF DINOSAURS BY KEN GILLIAND

This is a "sequel" to Disk of Donosaurs and includes 16 realistic graphics of dinosaurs ranging in size from one-eighth to one-third of a screen. Also included on the two-disk set are a background to place the dinosaurs on and an animated cartoon with 60 games. Requires IBASIC and TI-Artist or similar program. \$12.00

FILMLIB FOR TI-BASE BY KEN GILLIAND

This database is for collectors of videotapes. There is room for entering the title, names of up to three actors,

the director, producer, score composer, year made, length, whether it is color, colorized or black and white, where located on the tape, and a rating. Requires TI-Base and two disk drives (double density recommended). \$7.00 and updates are free

#### THE BABA BREWERY BEER LABELS

This consists of four black and white bottle labels and three 5-color bottle labels plus recipes on making your own home brew. Requires XBASIC and TI-Artist\_P compatible program. \$7.00

#### FONTS AND BORDERS VOLUME 1

A companion packages for use with TI-Artist. Includes 7 TI-Artist fonts and 15+ border/design instances. \$7.00

#### FONTS AND BORDERS VOLUME 2 BY KEN GILLIAND AND RAY KAZNER

This packages includes 6 large borders, a TI-Artist font called Bricks and an instance alphabet. \$7.00

#### FONTS AND BORDERS VOLUME 3

Consists of two SSSD disks with new fonts and borders. \$8.00

#### SEVERAL FAIRWARE PACKAGES: \$5 EACH OR 4 FOR \$16

- TE2 Encoder: allows drawing with a joystick and encodes the output for use on electronic boards with TE2. XBASIC required.
- The Star Trek Album: music and graphics from the first three movies and the original TV series.
- The South Pacific Soundtrack: music, graphics and singing from the musical. XBASIC and 32K required.
- The Patsy Cline Collelction: music, graphics and singing from the country-western star's hits. XBASIC, 32K required.
- The Music Man Album: songs from the musical with animated graphics. XBASIC, 32K and speech synthesizer required.
- The Wizard of Oz Vocal Scores: songs from the stage production with animation. XBASIC, 32K and speech synthesizer required.
- Richard Wagner's Greatest Hits, Volume One: Selections of the composer's music with graphics. XBASIC and 32K required.
- Richard Wagner's Der Ring Des Nibelunger: music and art for each part of Der Ring (including Ride of the Valkyries). Requires XBASIC and 32K.
- The 1991 KB60 Girlie Calendar: realistic, "naughty" beauties. Don't purchase if nudity offends or under 16 years of age. Requires XBASIC and printer for output.
- 9640 Music: music and graphics from MDOS by Ken Gilliland. Includes Mozart's Eine Kleine Nachmusik. DSSD.
- Woodstock, the Maze of Grog and More: by Ray Kazner.

- This disk includes Woodstock's Christmas Present and the Maze of Grog, a Valentine's Day game.
- The Infocom Rapid Loader: allows users to change the text color and rapidly load Infocom games. By Ray Kazner. Requires XBASIC.
  - Artcon+: saves BASIC and XBASIC screens to TI-Artist and GRAPHX formats, including sprites.

NOTUNG SOFTWARE  
7647 MCGROATRY STREET  
TUJUNGA, CA 91042  
(816) 951-2718

#### VHS VIDEOTAPE AND DISK

To teach LOGO \$10.00

EUNICE SPOONER  
RFD #1, WEBB ROAD, BOX 3720  
WATERVILLE, ME 04901

#### VULCAN'S COMPUTER MONTHLY

Is currently carrying classic computer articles, one of which is the TI-99/4A. The monthly column is written by Barry Traver. It is similar to the Computer Shopper and can be found on newsstands for \$1.95. Alternately a one-year subscription is \$15.95.

#### 2400-BAUD MODEMS

Whether you are ready to upgrade from 300 or 1200 or are going to purchase your first modem, this 2400-bps external fully Hayes compatible modem from T-Net communications Corp. might be for you. They sell for \$79.95 + shipping + 3% for credit card orders. To order call toll free: 1-800-826-6336.

#### DISKETTE DRIVES

The price of floppy drives have dropped drastically since the early TI days. One can now purchase two 3 1/3 inch half height drives for the price of 1 SSSD full height many years past. Anyway, 3 1/3 inch drives come from Soft Warehouse. They have Sony and Teac 1.44MB drives for \$69.00 each. Call 1-800-451-SOFT. Soft Warehouse deals with mail order, but also has many stores set up throughout the country, there may be one near you.

#### ADVENTURE HINTS (SERIES I) BY LYNN GARDNER

Each hints loads into the console in the same way the Adventure Module disks load. In addition to loading as standalone help, these hints can also be loaded into the specific programs and called up from a running program! These disks include built-in maps AND hardcopy maps. Requires Adventure Module or interpreter. \$10.95.

#### GALACTIC EMPORORS BY ERIC KEPES



# Texas

Instruments

NorthCoast 99'ers  
MOLFFC 0924 00, 612

Home  
Computer  
Users Group

By *Martin A. Smoley*  
6149 Bryson Drive  
Mentor, Ohio 44060

## Disk Library

*Try it, you'll like it.*

We have a great Disk Library, with hundreds upon hundreds of programs, written in every computer language, but no-one seems to be interested. We repunch the library disks into flippies and put one complete disk on each side. This means that a member can get two sides of software with the disk included for a donation of only one dollar. If you subtract the value of the disk (which is about 30 cents) and divide the remainder in half, you find that we are asking for a donation of only thirty-five cents for a complete single sided single density library disk listing. If you compare that price to the cost of postage for a normal letter, you can see how reasonable library software is. As a member you can receive information on the latest library updates and how to order by mail if you send me three twenty-nine cent postage stamps (Martin A. Smoley, 6149 Bryson Drive, Mentor, OH 44060). Note: The library has already received TIPS version 1.8.

## Tape Library

*Yes, we still have one.*

We still have a tape library and I guess I'm it. I am the new caretaker of the old NorthCoast Tape Library. The club still has a large box of audio tapes, which make up our Tape Library. If any member would like to receive copies of software from this library, please contact me. I will try to remember to bring the tape library catalog to the meetings. Because we only have one copy of the catalog, interested members will have to look through the catalog at the meetings and place an order for software to be delivered at the next meeting, or by mail. I am not very well versed in the tape library, the workings of the cassette based software or the cost of blank tapes, so we will have to work out any problems as we go along.

*I think that you can all figure out the amount of fun I'm having with my new printer.*

*The label type layout you see to the left is not done with graphics but in a text mode.*

*That means it should be usable with mailmerge or database applications.*

## Membership

*Please pay your dues.*

Yes, I'm also the club's membership chairman, the guy who will have to chase after you when your dues are late. Please try to pay attention to the Exp. Date on the mailing label on your newsletter. I hope that when you see your Exp. Date is drawing near, that you will send in the fifteen dollars and remain a member for another year. Our club is still thriving, the Newsletter is still full of interesting things about our Computer and you can still meet a lot of intelligent, friendly people at the monthly meetings. The Lima Conference is coming soon and I expect to see a lot of new things there. As the club librarian I can go into my TI Room and be knee deep in TI Stuff, but I still get enthusiastic about something new for my TI.

## Something New

*A Newsletter Formatter.*

I just recieved a new software item from Art Gibson who lives at 439 W. Rockwood St., Rockwood, TN 37854. Art has written an Assembly Language Formatter or Printer program to do many of the things you probably wished your current Formatter did. He calls it a Newsletter Printer and it does some really neat stuff. You can create a DV/80 file using TI/Writer or FunnelWeb or use an existing file. You then load Art's Printer Program and run it on the text file to get the result you desire. Prior to this operation you would have set up a DV/80 file with your own customized printer drive codes. Art's is set up for a Gemini 10x. The program will let you use your own Control Codes, Dot commands, (.IF DSK1.filename), and include TI-Artist instances. Among a great number of other convenient options you will also find the ability to switch back and forth between one and two column printing, in regular or condensed type. I really haven't had time to test out the whole package, but what I have seen looks very good, especially for TI clubs to use on their Newsletters.

*Good Luck, Marty.*

An XBASIC multi-player, strategic simulation program. You and one, two, or three others are each trying to thwart opponents by accessing control to all the planets in the galaxy. \$10.95

SLIDING BLOCK PUZZLES (SERIES I) AND SLIDING BLOCK SOLUTIONS (SERIES I)

These were written by Norman Rokke (1000 words). A colored monitor or TV to go with your XB, 32K and minium disk drive system are required. Very user friendly. Norman has transcended the "normal" sliding block puzzles with which are all so familiar. \$8.95 each.

MS EXPRESS SOFTWARE  
P.O. BOX 498  
RICHMOND, OH 43944

THE ENCYCLOPEDIA OF GRAPHICS FOR THE TI AND 9640 HOME COMPUTER

Contains a picture of every font available for the TI and Geneve including Artist Companions, Printers Apprentice, CS6D, Page Pro 99 to name a few. \$10.00 + \$3.00 shipping.

Chicago TI Users Group  
C/o Don Jones  
719 Monroe Street  
Evanston, IL 60202-2612

AIRCRAFT GRAPHICS DISK BY RANDY PACKHAM

CLEVELAND AREA 99/4A USERS GROUPS  
C/O DEANNA SHERIDAN  
20311 LAKE ROAD  
ROCKY RIVER, OH 44116

More than 30 famous aircrafts in TI-Artist format. Disks come in SSSD and DSDD formats. \$10.00 (send money order).

RANDY PACKHAM  
R.R. #2  
Nanticoke, Ontario, Canada N0A 1L0

FOR SALE: TI COMPUTER EQUIPMENT

TI 99/4 peripheral expansion box \$90; Floppy drives, 2 each 1/2 height Teac, DS/DD, \$110 5.25", with cables (mounted); Chicago ramdisk, 384k, new July 90 \$120; TI Disk controller card \$30; TI RS-232 card \$30; Rave speech card with TI speech synthesizer \$40; for P-box counting of s.s.; TI (Gerson) 99/4 dot-matrix printer, set up \$80; for and with parallel cable; Joysticks, Prostick II, 2 each with Mico \$20; TI adapter

Would consider selling the entire setup, or perhaps some sort of combination(s), at less than the individual prices- particularly if I didn't have to SHIP anything. ALL ARE NEGOTIABLE. Give me a call if interested.

Steve Bagstad, NorthCoast 99ers (Cleveland)  
32382 Birchwood Lane  
Avon Lake, OH 44012  
(216)933-5977, after 5 or weekends.

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THIS MAY BE YOUR LAST ISSUE!

Exp Date: 9/1/07

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