

THE WORLD RETURNS
TO LOS ANGELES

99 FEST-WEST '87
MAY 16-17, 1987

16 MAY 87

Toples

LA 99^{er} COMPUTER GROUP

Newsletter

VOL 6 NO. 5 MAY 1987

THERE IS SOMETHING FOR
EVERYONE... MAY 16 & 17

PRESENTING

99 FEST - WEST '87

NOW PLAYING:

DIJIT SYSTEMS

GENIE

FAIRWARE

LA 99ER UG

BREA 99 UG

MG

TRITON

MYARC INC.

T. A. P. E.

RAVE 99

GENIAL COMPUTERWARE

BYTEMASTER

SMART PROGRAMMER

DATABIOTICS

DATA SYSTEMS

SF VALLEY 99 UG

OXNARD 99 UG

PESACA SOFT

TRI VALLEY 99 UG

TnT

Hear no, See no, Speak no.

As usual, with no surprise there are two sides to many stories. Good people in all areas have opposing ideas, neither necessarily more or less correct than the other. Religion and politics are a couple of well known examples. It is okay to disagree with one another, we have all at one time or another disagreed with our own parents. It is not okay to be malicious in this opposition. I (Terrie) have firm opinions based on my own code of ethics. I have made candid comments and then let them go. My feelings about what I perceive to be less than ethical tactics by some are known, as are my reasons for feeling that way. There certainly are persons who disagree with me, that is okay too. The recent happenings which have led to Howie's commentary are purely malicious, with no basis in truth. The persons concerned about the community's health are asking for a turning of the other cheek. I acknowledge and respect their efforts. I only recently started to use glasses for reading, I have no intention of getting rose colored lenses. There is no ring, gloves, or rounds. If anyone is interested in what I said, best ask me directly, no one has yet done so. FINI.

Now on to fruitful and positive things. With 99'FEST-WEST'87 just days away, here are a few thoughts. Our cousins up in Canada playfully suggested 99'FEST-WEST'88 be held in Las Vegas. Well why not? I have spoken with SNAUG and they were going to discuss it at both the board and general meetings, look for an announcement on this. It could be quite interesting and certainly a good draw for our friends around the country. SNAUG did a great job when Craig Miller introduced new products there during CES 1986. Let us know your feelings on this.

Our club now owns a non-working Commodore 6400 heavy duty printer. We sure would appreciate any help we can get in getting this unit up and working at a reasonable cost. Fred's, Tom's, George's, and Terrie's personal printers will probably have a much longer life if it were fixed.

As you can see from the front page we have a very nice Vendor representation for our FEST. In addition to demonstrations of the 9640, and Triton Turbo-XT, look for a couple of very interesting surprises. There is an amazing amount of hardware projects in development.

Options, options, options how wonderful.

Oops, did I ever blow it! XB:BUG, the latest excellent program from the brain of J. Peter Hoddie, distributed by Benial Computerware, was wrongly priced by me. The actual price is \$15.00; the L.A. 99er Marketplace price is \$12.00. My error, my apology, especially to Jeff Guide of Disk only Software. Jeff kindly and generously allowed me to use his ad copy for our Newsletter, and I blew it. Sorry all.

(Tom now) User Groups and financial survival. Recently in conversation with other groups it seems that not enough attention is paid to the LIBRARY. We are able to continue to produce a newsletter of this size ONLY with the assistance of our Library, and it's excellent librarian, Fred Moore. We currently send out 136 Newsletters to other User Groups around the Country and World. This is a very expensive, uncompensated undertaking. It is the monies received from the Library that partially fund this. In New Jersey the Boston Computer Society earned over \$1000.00 selling Library disks, none of which were over \$3.00. Fred is introducing a new policy regarding the use of our library by other user groups (explained elsewhere in this issue sent to user groups) and all of you (user groups) should look into this as a way of increasing your club's income. By the way, NOTHING in our library is pirated - all is public domain or Freeware.

And in that same vein. User groups please note - we exchange with all of you not to blow our own horn but to gain valuable information that is printed in other newsletters, large and small. Some of the things we read we reprint, with credit of course, in Topics, such of the rest we digest and pass on to our own members. But as mentioned above the expense of sending that many newsletters out is VERY high. Please look at your own newsletter. If it does not contain original material, PLEASE consider SUBSCRIBING to Topics, so that we can continue this operation! We know for a fact that there are some clubs that publish no more than a report of the last month's meeting and perhaps a Tip from Tigercub ONLY to receive the valuable newsletters from other clubs. If the shoes fits wear it!

On to the FEST - Hope to see you there! And for you members in Southern California - we need your bodies!

REMEMBER NEXT MEETING - Wednesday May 27, Torrance Public Library, 7 PM

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***** Membership in the LA 99ers, including subscription to Topics is \$20.00 per year *****

DATA BASE PROGRAMS; A CONTINUATION
 by Chris C. Agrafiotis
 from New Hampshire 99'ers Newsletter

I am truly ashamed of myself and many of the other members of our fine TI User's Group. I say this in all sincerity. I have been receiving the TI newsletter from the club for some time and I have noticed, much to my dismay, that the people who have been contributing to the content of the document can be counted on one hand (and this doesn't even count my thumb). I know that many of us feel that we are not "computer-wise" and therefore we believe that we have nothing to contribute. Granted, we do not have the ability to program in "C" or assembly language....and we don't have the ability to "program" like Curtis or Richard, but many of us do have the ability to contribute. We all buy programs for the TI (I hope). Many times we believe we have been ripped off. Sometimes we are happy with what we have purchased. Maybe we really don't know why we are disappointed or happy but that doesn't negate the fact that the rest of us would like to know how you feel. Let's face it, a review of a program does not need to be expertly correct. Personally, I am very concerned about what TI users think about the software that they are purchasing and I am not too concerned with how expert they sound. I guess that I am trying to say that those of us who have the time should try and contribute to the newsletter no matter how insecure we feel about our ability to impress those readers who are truly "computer hackers." With this statement of my feelings, I will get to the case at hand....data base programs.

I have spent a heck of a lot of money on Data Base Programs for the TI Computer. Unfortunately, I must say that, in general, I have thrown my money away. PR Base was probably my biggest disappointment. This program provided the best, (by far) on-screen data base program. It was beautiful! It allowed me to create the ideal screen for data base input. Furthermore, it allowed the highest degree of control over the data entered than any data base program I have ever seen for the TI. Unfortunately, I was never able to print the data produced from this program. In fact, when I wrote the author and told him of my problem with the printing utility, he answered me with a letter telling me that "I had some nerve criticizing his work!" He stated that the other buyers had no problem with his program and he inferred that my own stupidity in understanding his work was the problem. O.K., maybe I am stupid. But the fact remains that neither I nor anybody else I know has been able to get his lousy program to print properly! That's got to tell you something about his work. Needless to say, I trashed his program without regret. (This action cost me money and I don't appreciate it at all.) I must say here that I do not subscribe to pirating other people's work.

I pay the full stroke for software! I must admit that I feel cheated but it's a matter of principle. Pirating is stealing and I don't subscribe to the practice....but, if I continue to get ripped off by software producers I may change my attitude about pirating.

O.K., enough said about PR Base. It's a waste of time. So what is left for the TI owner who would like a decent data base program? Well, I have purchased the following Data Base Programs: PR Base, Acorn 99, Data Base 1, Turbo-Dataman, Name-It and TI's Personal Record Keeping. Very frankly, they all leave something to be desired. There are other lesser data base programs which also leave me frustrated. One way or another they all fail to provide me with a data base program which can satisfy my simple needs.

This is a sad commentary on the community of writers for the TI. If this is the best they can do then, maybe it's about time we all purchased an IBM clone or an Apple and say, to hell with the TI!

Assuming that you want to stay with the TI and that you want to operate a data base program, I must say that the best data base program that I have used so far, (in my opinion) is Data Base 1 by SPC.

DATABASE 1 comes on disk and can be copied to provide a back-up. Its documentation is on disk and consists of about thirty pages of excellent, clear instructions on how the program works. This, in itself, is refreshing. On power-up the program self loads in Extended Basic and presents you with a menu that allows you to choose:

- 1.) RUN DATABASE 1
- 2.) RUN FORMLETTER PROGRAM
- 3.) RUN UTILITIES PACKAGE
- 4.) CATALOG DISK
- 5.) PRINT DOCUMENTATION.

Upon selecting #1, RUN DATABASE 1, you are presented with an opportunity to choose your screen and character color combinations and true lower case letters. Once this is done, you are asked to "NAME YOUR LIST." If you already have a previously saved data base you merely enter the name and it is called up from whatever disk drive you indicate. If you do not have a file, the screen will tell you so and you then tell the computer to format a new file with a given name. It's that simple to get things going. Once you have named a new file, the program continues and opens to a screen showing a built-in format for a name and address data base. If you do not like the built-in format or if you desire to label your own fields, it is a simple matter to change the format by typing in your own fields. The program allows you ten lines (or fields) of data, each

consisting of twenty-eight characters. This may seem restrictive at first but, as you work with these data base programs, you will find that ten fields of twenty-eight characters each is quite adequate. You are then asked some very basic questions like, how big a record size do you want, how many of the ten lines will you be using and what will be your "kill line." Once this is accomplished, you will get a first look at the main menu of the program.

Once you tell the computer that you have a file already established, or open a new one and decide on the color scheme and character choice, the main menu of the program comes up on the screen. The main menu looks like this:

- 1.) READ LIST
- 2.) ADD RECORDS TO LIST
- 3.) MAKE CHANGES IN LIST
- 4.) PRINTOUT
- 5.) FORMAT LIST
- 6.) SORT LIST
- 7.) SEARCH
- 8.) START PROGRAM
- 9.) END

Now the real fun begins. If you have an established list with plenty of data in it and you want to refresh your memory as to what you've got, just hit #1, READ LIST. The screen asks you which of the ten fields you wish to display on the screen. You select which field and up comes the listing, using your selected field, of everything you have in the file. Great! O.K., so now you know what you've got in the data base. Now it's time to add more data or change the data that is already there. Menu option #2 or #3 allows you to enter the existing data base and either add or change data at will.

Menu choice #2, ADD RECORDS TO LIST, allows you to add new information to your data base. I can't say that I prefer the way the screen allows you to enter new information. I prefer an input screen that indicates what the data field requires and a blank space in which to enter the information. Actually, this is the feature that really impressed me in the PR BASE program. In DATABASE 1, you are not presented with such a screen. Instead, you are shown the ten lines (or less) which you have established as your data entry field in text form and, at the bottom of the screen you are prompted to input the data for each successive field. It is not a bad system...it is just time consuming compared to a fixed data entry screen. One way or another, it is a simple matter to enter new information. Main menu selection #3, MAKE CHANGES IN LIST, is very similar to the initial data entry screen. It provides a simple method of changing data which is already in the data base. Probably the nicest feature of this program is its ability to call up a specific data

screen by inputting just a small part of the information. I think that the entry method for new or changed information is not as convenient as some other data base programs, but it certainly is functional and it works beautifully. I can't fault the program for providing a utility that works.

The main menu choice of SORT LIST (#6), provides a great advantage over other data base programs. This program will sort your data based on whichever of the ten (or less) fields that you have designated. Let's face it. The ability to sort your data is the key to any data base program. This utility allows you to sort all of your data any way you want in a relatively fast period of time. (Let's be honest....time is relative. How much of a hurry are we really in when we are playing with our computer?) Every time you sort your list of data, a new file is set up so that you can use it again. I must admit that I really respect this program's ability to sort data.

PR BASE, the program that I have trashed because of the arrogance of its writer, had a tremendous capability to search its files. It was tricky and attractive. DATABASE 1, on the other hand, searches your file with an ease that compares to falling off a log. You can find anything you want in your data base with such simplicity that you rapidly take it for granted without giving it the credit it is due. You can enter just one character in any of your fields and the program find the screen you want. It searches the entire data base, presents you with a screen full of data and asks you if that is the data you want. If, for some reason, it is not, you merely tell it to continue searching and it does. Beautiful. I never have any problem finding a particular entry.

Selection #8 on the main menu simply resets the program at square number 1 and starts you at the very beginning. Selection #9 ends the program as you would expect. Selection #5, FORMAT LIST, allows you to rearrange the order of the fields that you have elected to use in your data base. All of these additional utilities enhance the program tremendously by allowing you to manipulate your data at will. This is always a determinant in making one data base program better than the next.

The final main menu selection that I wish to discuss is the PRINT selection (Option #5). This option allows you to print out the data in your data base in any fashion you choose. It is really very simple to set up compared to the other programs available to us. Most important, it works as it is supposed to, allowing you to indicate which fields you want printed, the order you want them printed in and what character parameters you want the printer to use. The only capability it lacks is that of adding a main heading to a report and the ability to title the

columns of data that you wish to print out. At first, I thought this was a severe limitation. However, I have found that I can provide headings and titles for my data base printouts very easily with TI/WRITER. I will admit it is inconvenient. I wish that the program allowed the capability to include titles but it doesn't. (Maybe one of our club members who is a proficient hacker can rewrite the program to do this.) I have found that I can print out the data in the data base, in whichever order or format I want, very easily. By combining it with heading put in using TI/writer, I can come up with a professional looking document reflecting my data.

There is a lot more to this program, but I have to quit now and make room for the other articles in this newsletter. Just let me say that the program also contains a FORMLETTER utility which can be used with TI/WRITER and a UTILITY PACKAGE that provides additional routines including a full disk catalog system that uses DATABASE I for manipulation and printout.

In conclusion, let me say that this program, DATABASE I by SPC, is by far the easiest data base program to use available to the TI owner right now. Hopefully this will change. I pray that somebody, maybe the author of PRBASE, will get off his high horse and provide us with a complete package to do data, base work. Let's be honest. Time is running out for the TI. Those of us who have stuck by the TI, for whatever reason, are tired of not

MORE ON PRBASE
by Tom Freeman, LA 99ers

Chris' article above contains a good review of DATA BASE I by SPC. Unfortunately the comments about PRBASE, which is in common use by many members of the TI community, were colored by his unfortunate correspondence with Bill Warren. I can fully understand Chris' frustration at that kind of a response from a software author - I can only say that when I started using PRBASE about a year ago, I also had some problems with the program, but my communication with Bill was entirely different! I detailed the problems that I was having, and Bill answered every one of them in great detail, thereby helping me to use the program properly. And I have been VERY happy with it. I use it to keep the membership list of the LA 99ers - it prints up our labels with lightning speed, as well as the roster list, sorted by date of expiration (for my own use), alphabetically, or any way I want. Because of my knowledge of programming, I was able to modify it to print 160 columns as well as 132 - more about that below.

I use Version 2 of PRBASE, and I certainly hope that Chris is doing the same, as it is in general a better program (V. I can only output 80 columns). Bill did admit to some programming errors, but we can get around these, and I hope that Chris will take another look at the program! I also could not print reports or labels at first! NOW HERE is the answer. (Brass choir, please play here) The request for input for device name picks up as a default what is already on the data disk - if it is freshly initialized it will be full of E5's which you can not see on the screen and therefore don't know are there! Merely press FCTN 3 (Erase) before typing in the device name. This will replace all the E5's with spaces, and the problem is solved. Try it out, Chris.

being able to run simple programs which are available on every other system. Money used to be an issue, but I don't think it is anymore. The price of IBM PC clones has dropped drastically and TI owners are thinking twice about their allegiance to the system. The software producers are ignoring us. Those who are still writing for the TI are treating us like idiots, expecting us to pay good money for programs which other operating systems would be ashamed to produce. After all, what do we own computers for? Word processing, spreadsheeting and data base programs. Yes, there are those who like to hack, but they can't keep the TI alive. The bottom line is practical application! If the TI community hopes to remain on the map, they must start satisfying the basic needs of the millions of TI owners or those owners will certainly become IBM or Apple owners. I firmly believe that the ability of the computer to crunch numbers and maintain a data base is what the average user really wants. The TI community still does not have a good data base program, DATABASE I notwithstanding. I want to keep my TI alive. I need help and I'm not getting it. Please, please somebody, listen to us!

This program can be purchased from:

SPC SOFTWARE COMPANY
BOX 121
Brightwaters, NY 11718
(516) 587-5462

There is a similar problem when inputting control codes for the printer. In each case where this input is requested (for special codes, and also to head up each report) you see six >00 on the screen. What is left on the disk if you don't use all six also has E5's which the printer may print as italic e's. Solution: type >20 (space) for the ones you don't use.

While we're at it, here are the changes I devised to allow 160 column output (not all printers can do this - it is combined elite and compressed. Fingerprint for the Epson doesn't allow this even if it was originally allowed by the printer):

- 1) In CRT:2 change >00B4 to >00A0 at the following addresses:
>C3BA, >C42C, >CCCA, >CCFC, >CD1E
- 2) In CRT:2 change >00BA to >00A6 at:
>CE46
- 3) In CRT:1 change "132" to "160" at:
>A0CB
- 4) In PRB:2 change >09D1 to >DA25 at:
>C684
- 5) in PRB:2 change >DA55 to >DAC5 at:
>C698
- 6) in PRB:2 change >00B4 to >00A0 at:
>C630 [4,5,6 are all in the same sector]

The proper sector can be found by finding the sector number of the beginning of the file, and adding the 2nd HEX "digit" to it, and the byte number by adding >C to the 3rd and 4th HEX "digits" (except #3 - only add >6).

Be careful to follow the docs on number of column headers allowed if you are using them, otherwise the underlines are not correct. By the way, you can of course still print in 132 columns after these changes are made - just don't go over 132!

BACK TO BASICS

by Curtis Alan Provance

New Hampshire 99er's User Group
from New Hampshire 99'ers Newsletter

... The intent of this article is to share my style of programming, as well as some quirks of TI BASIC that may be useful to you in your programs.

1) DEFAULTS:

A default is the value assumed by BASIC when you don't enter one yourself. An example of this is the character count in HCHAR and VCHAR. Another is the RANDOMIZE statement. There are some defaults not published, one of them involving POS and null strings. Lines 580 and 590 of the disk jacket program ask for the user to enter a disk drive number. This number is then compared to a string to ensure that it is legal (very limited error trapping). This is done with:

```
580 INPUT "PLACE DISK TO BE
CATALOGUED IN ANY DRIVE AND
ENTER THE DRIVE NUMBER. (DE
FAULT IS 1)DRIVE #":DISK$
590 IF POS("1 2 3 4",DISK$,1
)THEN 600 ELSE 570
600 ....
```

What do I mean the default is 1? If the user simply presses enter (without typing a number), won't POS give a value of '0'? I'm sure you've guessed by now that the answer is NO! POS always returns a value of '1' when a null string is checked. In this case, the default is '1' because it is the first number in the list. If I were checking for 'YN' (yes or no) I could have a different 'default'. This trick is handy for menu driven programs in which you want to cycle quickly through a common sequence without actually typing letters, numbers, or whatever.

2) DEF'S:

I have written articles before about the usefulness of DEF's. Check out lines 440 through 470 for some simple uses. We can even modify 590 to do further error checking with a DEF. Since we want people to enter a single number or character, we will create a DEF to get this for us. Below are two possibilities:

```
XXX DEF FIRST$(X$)=SEG$(X$,1,1)
XXX DEF FIRST$(X$)=CHR$(ASC(X$))
```

CORRECTIONS TO CAT PROGRAM

by Tom Freeman, LA 99ers

Well, the computer gremlin got me again! Specifically the TI-Writer gremlin. When I printed the assembly cataloging program last month, I used the Formatter of TI-W. I had already modified the program so that @'s and &'s wouldn't emphasize and underline, but I forgot the asterisks (*). Hence there are two crucial errors in the program as it was printed (plus on in text that is confusing but not fatal). Here are the corrections: 1) on the first page left column, about the middle the line that contains LI 1,>1360 should contain as the text

Look at both and make a choice - I hope you picked the first one! Not only is it aesthetically more pleasing (to me), it is also a more accurate representation of the desired function. The clincher, though, is that it will work correctly with a null string, while the second DEF won't. We may now modify line 590 as follows:

```
590 IF POS("1234",FIRST$(DIS
K$,1))THEN 600 ELSE 580
3) READ/DATA:
```

I get really PO'ed when I pick up a listing and see dozens of lines which do the same thing. For example, there is a MORSE code program floating around with enough CALL SOUNDS for a score of programs (sorry about the pun). Another killer is a program with fifty or sixty CALL CHAR'S. If you are doing something many times - but with different values - consider using READ and DATA statements, PLEASE! Look at lines 490 through 540. In six BASIC lines I have assigned values to 25 variables. I could have gone one better and done it in five, but what the heck!

4) INPUT:

When you want to ensure upper case input, precede the INPUT (or ACCEPT) with a CALL KEY(3,K,S). The '3' will set the keyboard to upper case only and that will remain in effect during the subsequent INPUT (or ACCEPT). INPUT is also handy in that it provides for a prompt. Be sure to leave a space at the end of the prompt, so the actual input doesn't butt up against it. You may even want to add enough spaces to cause a 'newline.'

Finally, a bit of wisdom (confusion):

Assume only two things - everything, and nothing.

Assume everything means that you should expect users to try anything possible (such as null strings when you want a disk number). Some people (like me) go out of their way to challenge a program. Program for every event possible (given limitations of the language). Assume nothing means that you should not expect users to know what's going on. Prompt for everything, and include a list of allowable entries if they aren't obvious. Nothing irritates me more than to boot up a program and have it start with a question mark and a beep - but no prompt for what it wants. I remember seeing a cartoon somewhere which said it all. A confused user was scanning the keyboard uttering, "Where's the 'ANY' key?...."

"clear buffer(127 files +40 bytes" 2) 4th page, left column, 7th line up from bottom there is a B all by its lonesome. It should be B +10. 3) On the last page, right column, at the label WTR, where you see MOV ,12 it should be MOV +13,12. SORRYSORRYSORRY!

By the way, I found an interesting quirk in this error. When the Formatter sees an + it looks for a MailFile IF there is a number surrounded by asterisks. It turns out that if there is a single + followed by a single digit number, it's OK (hence, they printed OK) but if it is followed by a 2 digit number, then the whole thing is left out!

LI TOPICS

by Howie Rosenberg, LA 99ers

TOMFOOLERY--Several weeks back, Teresa Masters, editor of LA TOPICS, former President of our group, present Vice President of our group and most of all a caring, productive, and useful member of the TI community was given an award at the Boston Fayuh by the Ottawa users group for her contributions to the TI community. Ironically, on or about the same time, a thoughtless and/or malicious fool was creating the drivel which is the subject of this note. Thomas S Kennedy wrote an editorial in the newsletter of the TIC TAC Users Group awarding two black hats, as he puts it, for those who choose to alienate themselves from the orphanage. The two awards went to Teresa Masters and Ron Albright. Through what appears to be the intercession of Jim Horn, chief SYSOP on Compuserve TI FORUM, Kennedy is reportedly going to retract his piece on Ron (too late I feel!). Ron has reacted to all this as a gentleman. He has made no public comments. Teresa too has been quiet. She feels that Kennedy does not even deserve the recognition of a reaction to his vile piece. Actually nothing need be said in defense of two who have demonstrated time and time again their dedication to our community and have made more contributions than can be contained in this column. It is not in refutation that I present this piece, but as my personal reaction to what I consider an obscene, vile, and mindless attack.

Let's examine some of Kennedy's words, Many of you have not seen the editorial so I will use several quotes as well as paraphrases where appropriate. First, he describes Terrie as follows: "Well known for her outbursts against talented people, who are insulted, shunned, and labeled as enemies simply for using their talents constructively." As no example was given, I haven't the foggiest notion as to what he is talking about. I don't think the folks in Ottawa who gave Terrie that award agree. I don't agree, nor does a list of talented people around a few miles long whom I could not begin to name in the space allotted. Kennedy next describes a series of events which took place on CIS recently and which has been transparent to most of the TI community. Teresa with concern discussed the events with TWO people both CLOSE FRIENDS of SYSOP Jim Horn during the Boston Fayuh. Her discussions were based on concern for the community which was, to say the least, disturbed by the unhappy events which took place. Three thousand miles away, Kennedy makes a judgement and comes up with the following puzzling words: "Terrie's latest crock of bull is to make Jim Horn, Primary SYSOP of the TI FORUM on Compuserve, sound like an over-powering dictator simply because a GENIE SYSOP had the nerve to come on line to CIS and play the old shell game to encourage new GENIE

members. GENIE themselves was surprised to hear of such tactics, but Jim catches the flak when he rebels." It is ironic that, while Terrie spoke to two of Jim's friends about the situation, it is now public for the world to see because of Kennedy's statement. In actuality, John Johnson, the GENIE SYSOP in question, was a long time, highly respected member, and contributor to the CIS forum, as well as a Genie SYSOP. His proposal for a hardware sig included what was perhaps an ill advised suggestion that conferences be held on GENIE. Walt Howe left an eloquent message suggesting that, for the sig to succeed, all four networks would need be involved. It seems that Jim agrees with this last as he has publically promoted this sig and an individual who is working closely with John in his effort. Both John's message and Walt's reply were deleted from CIS by persons unknown. An unfortunate set of circumstances with understandable anger on both sides, but come on Mr Kennedy, Terrie is and was an outsider to the whole unfortunate incident. Your smokescreen, if that's what it is, accomplished nothing. There was, according to most of us, Kennedy excluded it seems, nothing wrong with John Johnson's note! As a result, John has left the forum, a real loss. He continues to support his hardware sig proposal including, to his credit, the forum as a participant, without malice. To Jim Horn's credit, he has endorsed the idea of this sig. Kennedy's last outrageous statement about Terrie is: "Terrie! YOU SERVE NO PURPOSE! Turn this outpouring of energy to more useful tasks, because you are hurting EVERYONE with all the backbiting and rumor spreading, and foul mouthing." This last is sick! First off, the Kennedy pot is sure calling a beautiful shiny kettle black! For one who serves no purpose, let me just make mention of a few items from the recent past! Organized and participated in a trek to two Eastern shows because of love and commitment to the community. Continually finds new talent and encourages their participation in the mainstream. Mike Dodd, a very talented youngster is the latest in this category. Terrie was instrumental in getting Mike to join Genial. We can expect some real nice code from this youngster. Mike follows a long list of others such as Chris Faherty (TI ARTIST) who were also brought into the TI mainstream through Terrie's efforts! She also made it possible for Mike to attend the Fayuh in Boston. She has recently got a new education SIG going by bringing together folks with similar interests from various parts of the country. The list is long indeed. Terrie deserves our accolades. Kennedy's attack is ridiculous!

Lets turn for a minute to the attack on Ron Albright. Kennedy prefaces his attack by describing Ron as follows: "Ron is known in the TI community for his excellent writing and his involvement in the TI community." Well, there are lots of folks in the community who write well. Even Kennedy's poison is well written. There also are

many who are the community. Some are involved in self praise, some in taking as much as possible. Others like Ron are known for their devotion, their CARING and their willingness to help others. Ron is a rare combination, competent, talented, and unassuming. A cornerstone of the TI world long before becoming a forum SYSOP, or writing the Orphan Chronicles, or writing a column in Computer Shopper. Kennedy describes a rampage of attacks on Myarc relative to the 9640 computer. It does not matter what one's position is on this matter. Ron certainly has the right to his views.

Kennedy next makes reference to an unfortunate incident which occurred on a conference with Lou Phillips of Myarc about the time of the Fayuh. It seems that, in a message meant to be sent privately to another member of the forum, the message was made public for all to see. This is quite a common goof in the world of on line conferencing. Ron, probably in embarrassment, immediately logged off. He subsequently apologized to several who brought up a subject which well deserved obscurity. In addition he apologized to Lou. Kennedy, whose responsibility on the forum consists primarily of archiving messages, was fully aware of these apologies when he wrote: "Even taking into account the intended private status, not a single word of explanation or apology was made." That is an outright lie!

'Muff said! This goof has attacked two who all TIers owe a debt of gratitude. It was the love, caring, and unselfishness of folks like Ron and Terrie who made this orphanage what it is. Kennedy does not share in that in the least, nor does he, in my opinion, even understand it!

WE ARE ALIVE AND WELL When I first became aware of the editorial Kennedy wrote, I left a note on CIS titled TOMFOOLERY indicating that I would respond in TOPICS. I received several notes concerning my action. Several indicated that, in our small community, we should not attack each other! (all should wear rose colored glasses). I have heard similar statements in several other areas. Don't attack any of our vendors. One remark I remember: "we need all the help we can get." Well, this attitude is hogwash! First off, I do not believe that our community is held together on so tenuous a thread that a voice crying out against dishonesty, hypocrisy, misconduct or the like will hurt us. We are stronger than that! The argument to support those who support us (our vendors) has been used in ludicrous fashion. As an example: Those who

feel that N.A.C. support us must believe in fairy tales. In point of fact we support them and TEICOMP, and other such blights in our midst. There are those who say that, rather than say a bad word about a product or company, they will say nothing. I feel that, as the average user has limited funds to spend on his hobby (I know I do), any money diverted for junk is money out of the pocket of those who truly deserve our support. The negative review is an important factor in preserving our community! As far as peace and harmony without an occasional outburst against such rot as Kennedy's editorial, I suppose by the same reasoning our country should have only one party. "After all we are all on the same side." "We all want the same thing." "For the good of the community." The community will survive thank you. We will do better without anyone to tell us to which tune we should march.

A REMINDER One of the greatest assets we have supporting the TI community has been the AMNION HOTLINE run as a public service, for years, by Dr Guy Romano. Dr Romano is available to answer your questions on all aspects of this machine. (I've found he can answer almost any question on most any subject but that's another story.) He can be reached at (415) 753-5581. You may notice among recent additions to our library, several disks of programs credited to Guy. He maintains a large library of public domain software, available at nominal cost. Drop him a line: AMNION HOTLINE, 116 Carl Street, San Francisco, CA 94117, and ask for a listing. Let's keep Guy busy and show him that we appreciate, and want to have, his continued support.

ERRATA Yes I do make mistakes (I just hate to admit them). In FORTH BITS last month I made reference to BASE 8 and proceeded to earn the wrath of George Steffen by an incorrect example. Yes George, I do know how to count in Octal and know that one cannot use an 8.

NEXT MONTH My apologies for the tirade I felt compelled to write this month. I had to, of necessity, because of the FEST deadline, and for other personal reasons, complete this column early so I did not get a chance to finish some programming stuff, certainly more productive than this column. I promise to stick to more useful material, at least 'till another dragon appears.

THE FEST My best wishes for the success of the second annual FEST WEST. Would that I could attend! My thoughts will be there with my long distance TI friends.

Did you know that...?

by Chick De Marti



TINYGRAM_ANYONE?

The accepted definition of a TINYGRAM is a complete program which can be listed on one screen. This one by Jim Peterson is

a good example. I found it in the Dallas 99 Interface. Quote: "Type it in and you'll hear a hammered-dulcimer version of 'The Wildwood Flower'."

```

1 !*****DULCIMER*****
*****A TINYGRAM*****
*****BY JIM PETERSON*****
2 CALL CLEAR :: DIM S(26) ::
F=262 :: FOR N=1 TO 25 :: S(
N)=INT(F*1.059463094^(N-1)):
: NEXT N :: READ N :: C=S(N)
:: D=S(N)
3 RESTORE 7 :: FOR J=1 TO 63
:: GOSUB 5 :: NEXT J
4 U=U+2 :: CALL SOUND(-200,S
(N),U,C,U,D,U):: IF U>27 THE
N U=0 :: GOTO 3 ELSE 4
5 READ N :: CALL SOUND(-500,
S(N),0):: CALL SOUND(-500,S(
N),0,C,9):: CALL SOUND(-500,
S(N),0,C,9,D,19):: D=C
6 C=S(N):: RETURN
7 DATA 5,6,8,8,10,13,5,5,6,5
,3,3,5,3,1,1
8 DATA 5,6,8,8,10,13,5,5,6,5
,3,3,5,3,1,1
9 DATA 8,13,17,17,17,15,13,1
3,8,8,10,10,13,10,8,8
10 DATA 1,1,1,3,5,5,8,5,3,3,
5,3,1,1,1
    
```

"But that's not all! Want to hear another tune? This program puts a two-octave scale in a 25-element DIMension. Take the tune you want to hear and break it down into its respective parts (Ex, C, B#, etc.) and then use the chart below to match it to its DIMensional value:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C	C#	D
16	17	18	19	20	21	22	23	24	25					
D#	E	F	F#	G	G#	A	A#	B	C					

Put these numbers into the DATA statement Each number is approx. one quarter long. To make the note longer, play it twice. Finally, count all your numbers and alter the FOR-TO statement in line 3.

FORTH FIX

On screen #3 enter:
 HEX 15FC DUP 3AE2 !
 3AFC ! DECIMAL

(adds 1 byte if VMBR is sent a zero)

<*> <*> <*> <*> <*> <*> <*>

A_Great_Title_Idea

Reprinted from the PS 99er NEWSLETTER via the TIC-TAC U.G. 99ers...Thanx everyone! The following program creates 3 lines of text, the letters come flying from random points of the screen's edge. Great idea for a title!

```

100 REM
110 REM ** your program here **
120 REM
130 CALL CLEAR
140 CALL FL("FIRST LINE OF TEXT",5)
150 CALL FL("SECOND LINE",7)
160 CALL FL("THIRD LINE OF TEXT",9)
170 REM
180 REM ** more program here **
190 REM

2000 SUB FL(A$,L):: W=15-INT(LEN(A$)/2)::
RANDOMIZE
2010 FOR N=1 TO LEN(A$):: F=1500
2020 G=ASC(SEG$(A$,N,1)):: IF G=32 THEN 2130
2030 IF N/2<>INJ(N/2)THEN 2060
2040 C=INT(32*RND):: IF C>1 THEN R=INT(RND*2)
ELSE R=INT(24*RND)
2050 GOTO 2070
2060 R=INT(24*RND):: IF R>1 THEN C=INT(RND*2)
ELSE C=INT(32*RND)
2070 IF R=0 THEN R=24
2080 IF C=0 THEN C=32
2090 CALL SPRITE(#1,G,2,1+(R-1)*8,1+(C-1)*8,
(L-R)*4,(W+N-C)*4)
2100 CALL COINC(#1,(L-1)*8+1,(W+N-1)*8,48,D)
2110 CALL SOUND(-100,F,10):: F=F-125 :: IF D=0
THEN 2100
2120 CALL DELSPRITE(#1):: CALL HCHAR(L,W+N,G)
2130 NEXT N :: SUBEND
    
```

Be sure not to have program code after line 2130! (Subprograms MUST be at the end of the program!).



(Did You Know ... cont.)

PRINTING DV80 FILES

from Bill Knecht (9/84)

To leave margins on paper when printing D/V80 files such as instructions, etc, do this: Set your printer to 12 CHAR LEFT MARGIN 12 SPACES. For Gemini 10X use the following:

```
100 OPEN #1:"PIO"
```

```
110 PRINT #1:CHR$(27);CHR$(66);CHR$(2);CHR$(27);CHR$(77);CHR$(12)
```

Turn printer on. RUN program, then print file without turning off printer.

WOTS_YOR_LUCKY_NUMBER?

Anyone have any luck with all the lottery's across the nation? I wondered which numbers from 1 to 49 were drawn most often so I wrote a program that set up an array of 49 numbers, stores and prints the number of times a number is drawn (by our TI). Below are the results after 360 games (2520 numbers) with RANDOMIZE initialized before each game.

- 1-60 : 6-50 : 11-57 : 16-36 : 21-45
- 2-46 : 7-50 : 12-36 : 17-36 : 22-54
- 3-50 : 8-50 : 13-36 : 18-36 : 23-51
- 4-50 : 9-50 : 14-36 : 19-36 : 24-49
- 5-50 : 10-50 : 15-36 : 20-36 : 25-40

- 26-56 : 31-50 : 36-49 : 41-50 : 46-52
- 27-50 : 32-55 : 37-52 : 42-53 : 47-66
- 28-42 : 33-51 : 38-51 : 43-62 : 48-55
- 29-51 : 34-55 : 39-52 : 44-48 : 49-47
- 30-53 : 35-61 : 40-57 : 45-43 :

Here is an abbreviated version you can play around with. If anyone really wants the original program, send me a card and I send you a printout, or a disk and I'll send you a copy (plus some other stuff). CHICK

```
100 CALL CLEAR
110 INPUT "HOW MANY GAMES ":T
120 PRINT
130 FOR I=1 TO T
140 RANDOMIZE
150 FOR J=1 TO 6
160 N=INT(RND)+1
170 IF N=DUP THEN 160
180 DUP=N
190 PRINT N;
200 NEXT J
210 PRINT
220 NEXT I
```

Well...I'm out of coffee see you next month ...

Chick

HANDY_TO_HAVE

Hex To Dec Table
(00 - 65535 to 0000 - FFFF)

Hex	Dec	Hex	Dec	Hex	Dec	Hex	Dec
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
A	10	A	10	A	10	A	10
B	11	B	11	B	11	B	11
C	12	C	12	C	12	C	12
D	13	D	13	D	13	D	13
E	14	E	14	E	14	E	14
F	15	F	15	F	15	F	15

(Sorry, don't know where the table came

<*> <*> <*> <*> <*> <*> <*>

SCREEN_DUMP

This one has been around a long time.

it in any program as a GOSUB routine. See MICROpendium article by John Witham

```
100 OPEN #1:"PIO"
110 FOR R=1 TO 24
120 FOR C=1 TO 32
130 CALL GCHAR(R,C,D)
140 PRINT #1:CHR$(D);
150 NEXT C
160 PRINT #1:CHR$(13)

170 NEXT R
180 CLOSE #1
190 RETURN
```

KIDS *****
 0RZM

TRAFFIC COP

from the TIT-BITS of Australia

```

# 1020 SUBEND
# 70 CALL CLEAR
# 80 REM *****
# 90 REM *
100 REM * TRAFFIC COP *
110 REM *
120 REM *****
130 PRINT * TRAFFIC COP *
140 REM
150 CALL MAGNIFY(3)
160 CALL GRAPHICS
170 CALL INSTRUCTIONS
180 CALL CLEAR
190 SP=8 :: CR=0
200 CALL SETUP(SP)
210 CALL CARS(SP)
220 CALL COINC(ALL,H):: IF H
    THEN CALL CRASH(CR)ELSE 250
230 CALL SOUND(-100,1000,5)
240 IF CR>9 THEN 320 ELSE 21
0
250 CALL KEY(3,K,S)
260 CT=CT+1 :: IF CT>75 THEN
    CALL FASTER(CT,SP,BST)
270 IF K=83 THEN CALL MOTION
    (11,0,0)ELSE CALL MOTION(11,
    0,SP)
280 IF K=68 THEN CALL MOTION
    (12,0,0)ELSE CALL MOTION(12,
    0,-SP)
290 IF K=69 THEN CALL MOTION
    (13,0,0)ELSE CALL MOTION(13,
    SP,0)
300 IF K=88 THEN CALL MOTION
    (14,0,0)ELSE CALL MOTION(14,
    -SP,0)
310 GOTO 220
320 CALL CLEAR
330 DISPLAY AT(6,1):*YOU CAU
    SED 10 CRASHES, WITH*
340 DISPLAY AT(8,1):*THE TRA
    FFIC RUNNING AT*
350 DISPLAY AT(10,1):SP;*MPH
*
360 DISPAY AT(12,2):*BEST SP
    SED SO FAR IS*;BST;*MPH*
370 DISPLAY AT(16,6)BEEP:*PL
    AY AGAIN? (Y/N)*
380 CALL KEY(3,K,S):: IF S=0
    THEN 380
390 IF K=78 THEN END
400 IF K<>89 THEN 370
410 CALL CLEAR :: GOTO 170
420 SUB GRAPHICS
430 CALL SCREEN(2)
440 CALL CHAR(128,"FF1010101
    01010FF")
450 CALL CHAR(129,"818181FFB
    1818181")
460 CALL CHAR(130,"010101010
    10204FB")
470 CALL CHAR(131,"808080808
    040201F")
480 CALL CHAR(132,"1F2040808
    0808080")
490 CALL CHAR(133,"F80402010
    1010101")
500 CALL CHAR(135,"000000FFF
    F")
510 CALL CHAR(137,"181818181
    8181818")
520 CALL CHAR(136,"000000007F
    FFF3F3F3F3FF7F00000000000000
    00FFFE1F1F1F1FFEFF")
530 CALL CHAR(100,"00000000F
    F7FF8F8F8F87FFF00000000000000
    000FEFFCFCFCFCFFFE")
540 CALL CHAR(104,"080F0F0F0
    F0C0C0C0F0F0C0C0F0F0F07D0F0F
    0F0F0303030F0F03030F0F0F0E0"
    )
550 CALL CHAR(108,"070F0F0F0
    C0C0F0F0C0C0C0F0F0F0F08E0F0F
    0F03030F0F0303030F0F0F0F0D0"
    )
560 CALL CHAR(112,"014163333
    F3F1F1F1F1F3F7B6383030100818
    3C6EEFCFCFBFBFBFCFC9E0701")
570 CALL COLOR(13,16,2,14,16
    ,1)
580 FOR I=2 TO 8
590 CALL COLOR(1,16,1)
600 NEXT I
610 SUBEND
620 SUB INSTRUCTIONS
630 DISPLAY AT(10,8):*TRAFFI
    C COP.*
640 DISPLAY AT(13,2):*DO YOU
    WANT INSTRUCTIONS?*
650 DISPLAY AT(15,11)BEEP:*(
    Y/N)*
660 CALL KEY(3,K,S):: IF S=0
    THEN 660
670 IF K=78 THEN CALL CLEAR
    :: GOTO 750
680 IF K<>89 THEN 650
690 CALL CLEAR
700 DISPLAY AT(4,2):*USE THE
    ARROW KEYS (ESD,X)*
710 DISPLAY AT(6,3):*TO STOP
    THE TRAFFIC AND*
720 DISPLAY AT(8,1):*PREVENT
    COLLISIONS. WHEN TEN*
730 DISPLAY AT(10,3):*CRASHE
    S HAVE OCCURED YOU*
740 DISPLAY AT(12,2):*WILL B
    E REMOVED FROM DUTY.*
750 DISPLAY AT(18,4):*PRESS
    ANY KEY TO PLAY.*
760 CALL KEY(3,K,S):: IF S=0
    THEN 760
770 SUBEND
780 SUB SETUP(SP)
790 DISPLAY AT(4,1):*TRAFFIC
    *
800 DISPLAY AT(6,3):*COP*
810 DISPLAY AT(4,21):*SPEED*
820 DISPLAY AT(6,20):SP;*MPH
*
830 DISPLAY AT(20,1):*TI-99/
    4A*
840 DISPLAY AT(20,21):*CRASH
    ES*
850 CALL HCHAR(9,1,128,32)
860 CALL HCHAR(15,1,128,32)
870 CALL VCHAR(1,13,129,24)
880 CALL VCHAR(1,19,129,24)
890 CALL VCHAR(1,14,32,120)
900 CALL HCHAR(10,1,32,160)
910 CALL HCHAR(9,13,130)
920 CALL HCHAR(9,19,131)
930 CALL HCHAR(15,13,133)
940 CALL HCHAR(15,19,132)
950 FOR I=2 TO 30 STEP 3
960 CALL HCHAR(12,1,136,2)
970 NEXT I
980 FOR I=1 TO 22 STEP 3
990 CALL VCHAR(1,16,137,2)
1000 NEXT I
1010 SUBEND
1020 SUB CARS(SP)
1030 IF SP>20 THEN SP=SP-4
1040 DISPLAY AT(6,20):SP;*MP
    H*
1050 CALL SPRITE(11,96,14,75
    ,1,0,SP)
1060 CALL SPRITE(12,100,16,9
    ,8,250,0,-SP)
1070 CALL SPRITE(13,108,6,1,
    128,SP,0)
1080 CALL SPRITE(14,104,3,19
    ,0,105,-SP,0)
1090 SUBEND
1100 SUB CRASH(CR)
1110 CALL MOTION(11,0,0,12,0
    ,0,13,0,0,14,0,0)
1120 CALL SPRITE(19,112,9,88
    ,120)
1130 CALL SPRITE(10,112,12,
    88,120,5,5,11,112,12,88,120
    ,-5,-5,12,112,12,88,120,5,-
    5,113,112,12,89,120,-5,5)
1140 FOR I=0 TO 20
1160 CALL SOUND(-200,-7,1,11
    ,0,1+5)
1170 CALL COLOR(13,12)
1180 NEXT I
1190 CALL DELSPRITE(ALL)
1200 CR=CR+1
1210 DISPLAY AT(22,23):CR
1220 SUBEND
1230 SUB FASTER(CT,SP,BST)
1240 CALL SOUND(200,-2,0,500
    ,5)
1250 SP=SP+2
1260 IF SP>BST THEN BST=SP
1270 CT=0
1280 DISPLAY AT(6,20):SP;*MP
    H*
1290 SUBEND
    
```

DESIGN YOUR OWN CURSOR.....

I can't give proper credit to whoever originated this program to create a TEXAS cursor, but my goal is not for you to be the proud user of a TEXAS type cursor, but rather you know how to create your own CUSTOM CURSOR!

Whatever program that you use, assembly, or extended basic, you will have to encode the design for your CUSTOM CURSOR. The program will be the vehicle for your own cursor.

- 1 ITEXAS CURSOR from GOTO Newsletter of Columbus, GA. Users Group; unattributed, but JIM PETERSONS and DR. RON ALBRIGHT'S names came up.
- 2 CALL CLEAR :: CALL INIT
- 3 CALL LOAD(8196,63,248) ! REF table pointer at >2004 (3F,F8)
- 4 CALL LOAD(16376,67,85,82,83,79,82,48,8) ! Indicates that a program named "CURSOR" begins at >3008
- 5 CALL LOAD(12288,48,48,63,255,254,124,24,12) ! THIS IS WHERE WE START THE CUSTOM CURSOR DESIGN
- 6 CALL LOAD(12296,2,0,3,240,2,1,48,0,2,2,0,8,4,32,32,36,4,91)
- 7 CALL LINK("CURSOR") ! Links to the cursor program.

If you are interested in creating your own cursor, please read the rest of this page, and I'll show you how to chart out this TEXAS CURSOR, and how to create your very own, let's say one with your initials, or a square box. The creation is very much the same as charting a sprite in extended basic, but instead of using HEX, you will be using straight BINARY.

BINARY WEIGHT	128	64	32	16	8	4	2	1	
ROW # 1			X	X					= 48
ROW # 2			X	X					= 48
ROW # 3			X	X	X	X	X	X	= 63
ROW # 4	X	X	X	X	X	X	X	X	= 255
ROW # 5	X	X	X	X	X	X	X		= 254
ROW # 6		X	X	X	X	X			= 124
ROW # 7				X	X				= 24
ROW # 8					X	X			= 12

LOOK AT LINE "5" IN THE ABOVE PROGRAM.

If you look at the above chart, you will see the TEXAS CURSOR defined. Now all you will have to do is make a blank chart similar to the one above, and instead of putting the "X"'s in for TEXAS, put in the "X"'s to match the shape of your custom letters, or logo. Add up the numbers (binary weights) across the top of the chart above the place you inserted an "X". Do this for each row, and put the total at the end of each row.

Enter these totals in line 5, AFTER the address in the CALL LOAD(12288,xxx,xxx,xxx,xxx,xxx,xxx,xxx). Now save this program to disk! RUN the program, and you are all set.

The program should stay in the machine until you either:

- * Write over it with another program, not likely with xbasic.
- * Shut the system down.

HAVE FUN!

From J. F. Willforth of the WEST PENN 99'ERS March, 1987

MARKETPLACE

=====

(the marketplace is a fund raiser for the club, that is, the "profit" goes to maintain the quality of this Newsletter. In general the price listed splits the difference between cost and retail. Please help your Club. PLEASE ADD \$1.00 S&H CA. RES 6.5%TAX)

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UTILITY UTILITY

- 2000 **FORTH DEMO #1** \$2.00 Use Editor/Assembly #3 DSK_.FORTH - Music The Little Fugue in G Minor and many graphics demos written in 4th (SSSD)45
- 2001 **FORTH DEMO #2** \$2.00 Use Editor-Assembly #3 DSK_.FORTH - Great graphic demonstration of FORTH - Circles and Squares Kaleidoscope type patterns. (SSSD)360
- 2002 **TI FORTH** \$10 Includes TI-FORTH disk and 225 PAGE INSTRUCTION MANUAL. Use Editor/Assembly #3 DSK_.FORTH (SSSD)360
- 2003 **TI FORTH XB** \$5.00 TI-FORTH disk that uses Extended Basic to run. Loads automatically. (SSSD)360
- 2004 **TI-FORTH SOURCE A** \$5.00 Up date of TI-Forth by Texas Instrument - Part A New Source Codes (SSSD)252
- 2005 **TI-FORTH SOURCE B** \$5.00 Up date of TI-Forth by Texas Instrument - Part B New Source Codes (SSSD)182
- 2006 **TI-FORTH TUTORIAL** \$5.00 Use TI-Writer to print 35 pages of Forth tutorial, well written by George Smyth. A good addition to TI Manual for more information about FORTH. 2(SSSD)574
- 2007 **TI-FORTH FORUM** \$5.00 Use TI-Writer to print 12 lessons on FORTH starting from word ONE great for beginners. 2(SSSD)684
- 2008 **TI-FORTH IMPROVED** \$5.00 A TI-Forth disk modified to improve operation written by Micheal Jscsermaqn. (SSSD)360
- 2009 **TI-FORTH PACKAGE** \$30.00 Complete FORTH package consists of 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 and FIVE TI-NOTES (a 12.50 value) A \$75.00 value a great getting starting Forth package. 12(SSSD)3137 PLUS MANUAL
- 2033 **TI-FORTH FORMATTING** \$5.00 Editor/Assembly - Use with Corpcom Controller for Double Sided Double Density capabilities for format disk. (SSSD)360
- 2022 **MATH ART #4** \$5.00 E/A 4TH PROGRAM- Updated version- program will copy, has over 30 Graphics demo, fractals files, prints, clock, Etc. (SSSD)360
- 2023 **4TH UTILITY** \$5.00 E/A or X/B Disassembly, Decoplier, catalog, Mass Copy, File Reader, Fixer, Screen Dump, Writer, Printer, Etc. 2(SSSD)377
- 2042 **4th SCREEN DUMP** \$5.00 By Howard Rogers -E/A- Prints a full size replica of the screen on a compatible printer. (SSSD)
- 2024 **4th MANUAL** \$10.00 Use TI-Writer or Extended Basic, Prints 49 pages of the FORTH Manual. 4(SSSD)1367
- 4004 **FAST FORTH** \$2.00 Freeware by Tim Curran - A collection of programming tools that make FORTH programming faster and more enjoyable. X/B loader, clock, (SSSD)360

- 4057 **4th TE** \$2.00 Freeware by Ken Carruthers - E/A #3 DSK_.TE4TH - A terminal Emulator written in Forth. (SSSD)360
- 4076 **4th BACKUP** \$2.00 Freeware by Jim Lewis - Loads in Extended Basic. An utility program for copying disk programs written in FORTH. (SSSD)360 language
- 4079 **FORTHXLD** \$4.00 Freeware by Rene' LeBlanc - Auto loads with X-Basic. A two disk system provides an enhanced development environment, Many features EDITOR, DSRPEEK, NIGHTSKY, SINEWAVE, RANDWALK, RANDLINES, LGRAPHICS, CIRCLE, DOER/MAKE, TODDLER, FUN, SOUND, DSKCOMPARE, SETPRINTER, DECOMPILE, SEARCH, TASK and many more. 2(SSSD)720
- 4098 **FORTH DRAW** \$2.00 Freeware by Barry Comer - Written in Wycove Forth has Speech options. Use Joystick and fire button to draw in color. Save to disk. (SSSD)
- 4100 **WY/TERM** \$2.00 Freeware by Tim MacEachern - Can use TE modem, any smart modem, Auto Dials, Phone List, ETC (SSSD)100
- 2015 **TI FORTH TUTOR** \$5.00 Use TI writer to print an another excellent beginning Forth tutorial instruction. (SSSD)289
- 2010 **ADVANCE DE BUGGER** \$5.00 A Assembler Debugger by Rich Boehmler. A sophisticated and power debug tool. Explanes Navorne SUPPER-BUGGER and TI-DEBUGGERER. (SSSD)203
- 4015 **SUPERBUG II** \$2.00 Freeware by Edgar L. Dohmann An excellent enhancement of TI's Superbug, and it includes change-of-output device from your screen; color toggles, added commands, and much more. SSSD (360)
- 2031 **DISCO** \$5.00 X/B Gives a short description of the most important sector on the disk sector >0 and it's Disk bit map. A must to work with any good Disk Fixer. DISKOU is used when copying modules to XB. (SSSD)57
- 4039 **DISASSEMBLER** \$2.00 Freeware by Marty Kroll Disassemble in either mnemonic instruction, text or data format. Out to screen, printer, or disk. SSSD (235)
- 4078 **UNIVERSAL DISASSEMBLER** \$2.00 Freeware by Rene' LeBlanc SSSD (360)
- 4091 **X/DISASM** \$2.00 Freeware by Fred Hawkins For those that send him a few bucks, you receive excellent documentation to go with his program on disk. Use sector copy will not catalog. SSSD (???)
- 4095 **MICRO ASSEMBLER** \$4.00 Freeware by R.A.GREEN Revised, Compatible with TI. Improvements. A macro facility, listing format, diagnostic, cross reference, run independent of module. DSSD (682)
- 2036 **DISK + AID** Version 1 \$15.00 (Object code) By M & T Utilityware A single Sectioning utility with over 28 menu driven operations for the TI-994A. X/B, E/A, M/M. Paper Manual included (over 50 pages). (SSSD)183

- 2037 **DISK + AID** Version 2 \$18.00 (Source Code) By M & T Utilityware. The source code for the DISK + AID Program. (SSSD)334
- 2038 **MEMORY MANIPULATOR** 12.00 By M & T Utilityware. A utility program to scan, search, compare, move and print any memory in the TI-99/4A. Documented Source code included on disk, 27 page paper manual also included. (SSSD)358
- 4095 **MICRO ASSEMBLER** \$4.00 Freeware by R.A.GREEN. Revised, Compatible with TI. Improvements. A macro facility, listing format, diagnostic, cross reference, run independent of module. DSSD (682)
- 4111 **STAR** \$4.00 Freeware by Michael Riccio. A super assembly language program in X/Basic. You can move lines, change line numbers, create Assembly subprograms, many more items for the programmer to use to produce a better program. 2(SSSD)673
- 2016 **TI 99/4A SYSTEM TEST** \$5.00 A disk and instruction for testing the 99/4A. Diagnostic, Keyboard, Speech, Joystick, Peripheral, Pascal, Memory Expansion, RS232, Cassette, Printer, and trouble shooting tips. (SSSD)322
- 2018 **SAMS COMPUTERFACTS** For viewing only at club meeting not for sale Copied Writted information. All paper no disk.
- 2019 **99/4A SPECIFICATION** For viewing only at club meeting. Not for sale copied writted information. All paper no disk
- 2011 **TI WRITER UPDATE (PIO)** \$5.00 TI-WRITER has been enchanced to provide true lower case letters, eliminate the form feed while using the formatter, and provides for a printer default. (SSSD)146
- 2012 **TI WRITER UPDATE (SER)** \$5.00 TI-WRITER has been enchanced to provide true lower case letters, eliminate the form feed while using the formatter, and provides for a printer default. (SSSD)146
- 4009 **TK/WRITER** \$2.00 Freeware by Tom Knight This does everything the TI-WRITER will do-without need of the cartridge-except Show Directory. SSSS (175)
- 4017 **DISPLAY AT** \$2.00 Freeware Barry Traver Build a "BLANK" TI-WRITER file to create screen of "Displat At" statements. SSSD (32)
- 4032 **FUNWRITER** V3.4 \$4.00 Freeware by Tony & Will McGovern, Version 3.4 I have tried this one, and it will do everything TI-WRITER will do, plus more! And it uses Extended Basic rather than the TI-WRITER cartridge. Tony & his son Will says "you will end up leaving your TI-WRITER cartridge in the drawer"! This one contains version 3.5 of DM1000, DISKO, and E/A all commingled and interconnected-don't attempt to seperate them. DSSD (696)
- 4055 **BA/WRITER** V1.3 \$4.00 Freeware by Paolo Bagnaresi Updated Version 1.3 for New Horizon Ram Disk and more. This word processor does everything TI-WRITER can do, and more....Faster, more convenient, everything! DSSD (557)

- 4058 **TI WRITER HINTS** \$2.00 Freeware by Dick Altman Hints, instructions and commands controls for using TI-WRITER. Very helpful. SSSD (103)
- 4071 **TRANSLITERATION** \$2.00 Freeware by Jim Mekeel transliteration program for the TI-WRITER. Complete list of codes using Control U & shift by using .IF Command. SSSD (29)
- 4092 **HYPHENATOR** \$2.00 Freeware by Wayne Stith. Reads your D/V-80 file and displays it one paragraph at a time. you set margins and it shows word/character that can be hyphenated. The text is saved to new disk file. SSSD (110)
- 4062 **RAPID SCROLL** \$2.00 Freeware by Jurgen Switalski Two programs working together Rapid Scroll and TI-WRITER. Basic, Extended Basic or Editor Assembler. SSSD (152)
- 4073 **TI/SORT** \$2.00 Freeware by David R. Romer Manipulation of Dis/Var 80 files. Single or BI-level ascending ASCII Quicksort or Shellsort routine. SSSD (330)
- 4089 **NOTEPAD/CALCULATOR** \$2.00 Freeware by Bill Ransom. A notepad (simple word processor) and a calculator. both on the same disk. SSSD (32)
- 4063 **NORTHSIDE 99er** /// Joseph E. Bartle /// Chicago TI User Group. 6 programs. 1. Excellent cassette program finder. 2. Disk jacket maker with file catalog. 3. Disk labeler. 4. Disk Mailer. 5. Envelope maker with addresses. 6. Graphic jacket "LOVE MY TI". SSSD (346)
- 4006 **MASSCOPY** \$2.00 Freeware by Steve Lawless This is a beautiful disk copier. You can use two drives at once for rapidity. SSSD (167)
- 4007 **DM10003/3** \$2.00 Freeware by Ottawa 99/4 U.G. This disk manager rivals CORCOMP'S version, and will take your TI Disk Manager II worthless! This is updated to v3.3 SSSD (346)
- 4007 **DM10003/3** \$4.00 Freeware Source Code available from the Ottawa TIUG on 1 DSSD or 2 SSSD diskettes. Source Code for DM10003/3 can be obtained from the Ottawa User Group. DSSD (582)
- 4022 **DISK MANAGER 99** \$2.00 Freeware by Mike Dodd Another disk manager. Extended Basic, Console Basic with Editor/Assembler or the Mini-Memory. Protect or unprotect, rename files or disk, test and catalog a disk to screen or printer. SSSD (271)
- 4047 **DISK MANAGER** \$2.00 Freeware by Todd Kaplan Assemble Language another disk manager. Copy, delete, change, protection file or disk. As good as TI, Corcomp or DM1000. SSSD (75)
- 4052 **SUPER DISK DUPLICATOR** \$2.00 Freeware by Tom Knight You can start and stop from any sector number on your disk. There are claims that it will copy ANY disk runnable on the 99/4A!. SSSD (44)
- 4120 **RE-DISK-IT** \$2.00 Freeware by John Schroeder. Extended Basic - Will copy any disk SSSD, SSDD, DSSD, DSDD, using Corcomp Controller. (SSSD)67

- 4122 **BACKUP V1.1** \$2.00 Freeware by Michael Ballmann. Editor/Assemble (load and run)enter, TI-Controller only, Will Backup most disks on market. Gives Track #, side #, Sector #, Size of sector, Error code on read and write, Doc on disk, Source code available for \$25 Doc on disk. (SSSD)62
- 4041 **COMPACTOR** \$2.00 Freeware by Monty Schmidt. Takes an uncompressed Dis/Fix 80 assembly language program and compress it to 2/3 disk space, and will do all sorts of things to your Display/Fixed 80 assembly language programs, as well as conserves disk space. SSSD (18)
- 4045 **LOAD/AL** \$2.00 Freeware by Barry Boone. Select, Load & Run Assembly Language programs (auto) by using Joystick or by numbers. SSSD (14)
- 4042 **UNCOMPACTOR** \$2.00 Freeware by Monty Schmidt. The opposite of Compactor. Takes a compressed Dis/Fix 80 assembly language compressed file and uncompress it into its separates files SSSD (18)
- 4104 **ARCHIVER** \$2.00 Freeware by Barry Traver. Stores and restores any combinations of files, that is it will take all the files in a program (such as Funwriter) and put them all under one file, and (DM1000) under another file all on one disk. Many programs can therefore be put on one disk without mixing their files, SSSD (33)
- 4097 **COMBINE** \$2.00 Freeware by Nick Iacove 11. Takes multiple files and combines them to one file, save space on back up disks, also will uncombine. Will not work with Myark Controller. SSSD (39)
- 4028 **MASS TRANSFER 4.1** \$2.00 Freeware by Stuart Olson An assembly language Terminal Emulator, menu drive, x-modem transfers, capable of multiple x-md transfers all at once. Asking \$10 plus your disk and a reuseable mailer. SSSD (282)
- 4010 **FASTTERM** \$4.00 Freeware by Paul Charlton Another excellent Terminal Emulator, some say "it's the best one available anywhere". DSSD (662)
- 4020 **TE-2 ENCODER** \$2.00 Freeware by Ken Gilliland Made for Bulletin Board Operators who want to provide Grapic, Speech and Color to their TE-2 Cartridge. SSSD (178)
- 4100 **MY TERM** \$2.00 Freeware by Mac Earhern. Smart modem using E/A, auto dial from phone list. SSSD (98).
- 4072 **TEJC** \$2.00 Freeware by Joe Freeman Is so superior to TI's TERMINAL EMULATOR 2 that there is no comparison. It permits downloading of 20 times as much info from bulletin boards and instantaneously! It'll sure save you phone time on the big boards like COMPUSERVE and THE SOURCE. SSSD (79)
- 4085 **TECHIE** \$2.00 Freeware by Monty Schmidt A BBS program, with modem setup, board access downloading and other files. SSSD (353)
- 4036 **CATALOGING LIBRARY** \$2.00 Freeware by Marty Kroll It tracks up to 123 disks with 900 files! SSSD (128)

4046 **MASTER CATALOG** \$2.00 Freeware by Mack McCormick This is called the best Assembly language disk catalog around. It's super fast and will handle more disks than you have. Something in the neighborhood of 2000 programs. SSSD (53)

4101 **CAT LIBRARY** \$2.00 Freeware by Markin Knol Jr. Will catalog your library disks, add, delete, search, list, print, sort, SSSD (136).

4067 **DISK FILE CATALOGER** \$2.00 Freeware by Jim Williams Program is designed to eliminate the tedious task of updating disk labels, find what file is on what disks and help find duplicated files. 125 disks 525 files. SSSD (90)

4113 **CATLUB** (1.0) \$2.00 Freeware by Marty Knoll Jr. By using GRAM catalogs up to 350 disks 2380 files, merge, search, add, delete, print screen or printer 1, 2, or 3 columns plus many more items. (SSSD)159

4069 **CATALOG PRINT** \$2.00 Freeware by Jim Mekeel Will catalog two disks and print the files side by side on the same page in condensed print. SSSD (26)

4088 **ENV. AND CATALOG PBM** \$2.00 Freeware by Trio+ Software An excellent disk cataloging program that allows you to make your own disk envelopes with your own comments about the individual programs on that disk. Be sure to READ the "Hardcopy Instructions" before trying to use it. SSSD (134)

2025 **PRINT GEMS** #10.00 Printer utilities disk by Tom Freeman - Prints DOUBLE COLUMN, VARIABLE COLUMN and SIDEWAY, With documentation. (SSSD)202

2017 **FAST PRINT** \$5.00 By Bill Harms - X/B - Routines for entering your specific printer codes for special printing. Use as is or merge. (SSSD)105

4001 **NEATLIST** \$2.00 Freeware by Danny Michaels lists multi-statement lines to your printer DR disk and references your program variables to simplify reading. SSSD (360)

4094 **SAGERSOFT** \$2.00 Freeware by David R. Sagers. An excellent printer code setter for Star, Epson, Panasonic, Okadata. sets fonts, pitches, spacing, margin and other commands. Transliter, guides, commands, etc. SSSD (298)

4105 **TOUCH PRINT** \$2.00 Freeware by David R Sagers. A printer utilities disk for the 10X, SG-10, MX-80, Okadata, TI-99 printers. gives their commands for Fonts, Pitches, Spacing, Margins, transliteration, TI-Writer and many more information for using a printer, SSSD (314)

4106 **PRINT IT** \$4.00 Freeware by Rodger Merritt. Create interest letters and reports. Labels small and big, Banners, Scrip writing, Graphics, many more and excellent printer program. 2(SSSD)525

4107 **CHARACTERS** \$4.00 Freeware by Rodger Merritt. -CAN BE USED WITH "PRINT IT" over 200 characters and fonts. 2(SSSD)624

- 4014 **PRINTOUT** \$2.00 Freeware by Steve Mehr An Extended Basic utility allowing a wide variety of options for outputting A "display Variable 80" file to an Epson or Gemini printer. SSSD (353)
- 4051 **SHARE/WARE** \$2.00 Freeware by A catalog, manager, labler for the Gemini Printer setup. SSSD (102)
- 4056 **SM/LABELS** \$2.00 Freeware by Steve Mehr A unique three across label printer utility allowing a wide variety of options for designing and print. SSSD (90)
- 4063 **NORTHSIDE 99er** \$2.00 Freeware by Joseph E. Bartle. 6 programs. 1. Excellent cassette program finder. 2. Disk jacket maker with file catalog. 3. Disk labeler. 4. Disk Mailer. 5. Envelope maker with addresses. 6. Graphic jacket "LOVE MY TI". SSSD (346)
- 2013 **MULTIPLAN UPDATE** \$5.00 Multiplan has been speeded up a little, plus you will now have auto-repeat when moving the cursor. (SSSD)149
- 4093 **MULTIPLAN CONTROL** \$2.00 Freeware by Ted Anderson. MULTIPLAN PRINTER CONTROL codes for the Gemini and Epson printer for printing Multiplan data. SSSD (217).
- 4050 **99/CALC** \$2.00 Freeware by Phil Barnes Create spreadsheet using row and column titles, numerical values and formulas. Automatically recalculates and displays answers. Can use disk or cassette. Many functions are performed. SSSD (133)
- 2014 **TEXT TO SPEECH** \$5.00 Use Speech Synthesizer, Memory Expansion, Extended Basic. Allows the TI-99/4A to speech almost any English word, will work with the TI-Terminal Emulator. Great to make your own words, Phases and Sound effects. (SSSD)106
- 2026 **C:BITS** \$5.00 A graphics library designed to be used with Clint Pulley C99 program. Aid in translation of Basic program to C program. Use TI-Writer to read. (SSSD)240
- 2030 **PILOT MINI** \$5.00 X/B Simulates and demonstrate the essential structure of PILOT. Will list the programs lines as a program line entry, with many more of PILOT commands. (SSSD)57
- 4082 **BEAXS** \$2.00 Freeware by Paolo Bagnaresi or LaVerne Searcy This is not really FREEWARE, but doggone close to it. This is the Editor/Assembler on disk! I can't find anything my E/A cartridge can do that this one can't. And this one works excellently with Paolo's version of TI-WRITER described in item 4055. SSSD (346)

ADDITIONAL LIBRARY INFO NEXT MONTH

NEW LA99 PROGRAMS FOR MAY

4123 X/B HELPER \$2.00 Freeware by Ken Houle - A Short program to help you when you are in Extended Basic, Program is not yet complete. (SSSD)62

4124 ZODIAC \$2.00 Freeware by John Bulokowski -Wheel of Fortune -X/B - Find out what happen on your birthday 1930 - 1980 and when your next period of good fortune will happen. plus two other programs Modify TI-Writer data and modify cursor. (SSSD)307

4125 MENS COLOR COORDINATOR \$2.00 Freeware by Don West - X/B - Color, Lets you coordinate your fashion, match or mix your jacket, vest, and tie. Prints out your selections. (SSSD)58

4126 POLITICANS RUN \$2.00 Freeware by Marsoft Inc. - X/B Simulates a Presidential Election Campaign. 2 player campaign for votes in various states. There are 4 variations of the game. (SSSD)273

4127 MITI-WARE \$2.00 Freeware by Milo Tsurroff -X/B- 6 Programs to entertain you around the home. YARDCHORES: game take care of your yard, 3ORBIT: Input orbital data and watch the results. SHOPLIST: prints 5-col shopping list, can change list. TIBOMBER: Fly a WWII bomber. INT-DIF: Calculate intergrals,derivatives of polynomials. ATTHEBEACH: A seashore scene. RAIN: A rainy landscape scene. (SSSD)302

4128 ENHANCED DISPLAY PACKAGE (V2.1) \$2.00 Freeware by Curtis Alan Provance - X/B The purpose of this package was to rewrite the various screen commands so that they could be used in either GRAPH (32 column) or TEXT (40 column), or COMMAND mode. (SSSD)351

The La99 LIBRARY CATALOG is now on 4 SSSD disks. These disks can be ordered from the library for \$2.00 (disk included). Updateing the catalog to your old disks will be \$0.50.

4029 FILEREADER 2.00 Freeware by Martin A.Smoley Three excellent programs. 1.Filereader will read and print out most DIS-VAR file. 2. MS-LABEL 3. 132 PRINT. SSSD (159)

4083 2D/GRAPHICS \$4.00 Freeware by Jean Pierre Morin. A very powerful Graphics program with many pre-defined functions and a full implementation of TI-Logo built in. Send a DSSD or 2 SSSD disks for this one. DSSD (718)

4086 SUPER SHAPE \$2.00 Freeware by Stock Software Edit shapes (charackters), printing of shapes and hexcodes to printer or disk. SSSD (29)

4121 TI KEYS V3.0 \$2.00 Freeware by Wes Johnson. Define 36 keys so that when typed as control keys, they will display up to 31 characters of text or code. Has preset commands if needed. \$10 (SSSD)146

4123 X/B HELPER \$2.00 Freeware by Ken Houle. Short program to help you when you are in Extended Basic, Program is not yet complete. (SSSD)62

LA 99 LIBRARY RULES FOR OTHERS USERS GROUPS

The LA 99ers Computer Group thinks all Users groups should stick together. That is the only way we as users of the TI-994/A can keep alive! by helping each other. The following rules will govern how programs will be made available to other USERS GROUP to help them. It is our belief that one of the reasons a person will join a User Group is to get programs from the Library. Really, that is the only source available to most members. A well equipped Library will bring in members and provide additional income.

Library programs will be made available to other USERS GROUPS by the LA 99ers Computer Group under the following conditions.

1. FOR YOUR LIBRARY !! We will exchange any program or Disk in our Library on a 2 to 1 basics. That is if you provide us a program or a Disk from your Library (that we do not have in our Library) we will provide 2 programs or 2 Disks of your choice from our Library in exchange.

2. FOR YOUR MEMBERS !! Until your Users Group can establish a Library your Members are welcome to use our Library. Their cost will be the same as one of our members. That includes any special we may run. Your members can order directly from our Library list to the LA 99 Librarian if they so wish.

3. FOR YOUR CLUB !! To bring in more members, to increase your Library and bring in more money to your Group, your User Group Librarian can order any program or disk from our Library at 1/2 the price. This will allow your Librarian to charge more if you so wish, therefore bringing in a profit to your club. The order must come from your USER GROUP LIBRARIAN with your User Group return address.

4. The above items does not include the disk or the cost of mailing. I have found that I can send 2 Disk thru the mail for about \$1.00 and using flippies saves cost and weight. Flippies are all our club uses, because using SSSD flippy Disks all members can use the program. Flippy disk cost around \$0.75 each.

5. The LA99 Library listing is on 4 SSSD disks and can be ordered for \$2.00 (disks included).

LIBRARIAN FRED MOORE 7730 EMERSON AVE LOS ANGELES CA 90045