

CLEVELAND AREA 99-4A USERS GROUPS

JANUARY

NEWSLETTER

1986

OFFICERS - CLEVELAND AREA USERS GROUPS KEN G. 357 7274

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TI-CHIPS

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GROUPS' NEWSLETTER ED. - MARK WOODWARD ((561-2967)

NOTES . .

During Mark Woodward's absence, Frank Jenkins of Solon has been putting out the newsletter almost single-handedly. When Frank stated he would be out of town and could not meet the next publication date, a rag-tag group from Northcoast and Golden Crescent volunteered and this issue comes to you courtesy of John Blackner, Ken Gladyszewski, Chuck Mareno, Tom Nellis, Deanna Sheridan and Martin Smoley.

We soon discovered it is unfair to impose upon one person the responsibility for determining what is most interesting to a group of about 200 people. Several ideas were discussed, some of which have been implemented in this issue. With membership participation the newsletter can be expanded several pages without increasing postage, but there would be additional printing costs. An expanded newsletter could contain departments on programming, hardware, enhancements, Logo, Multiplan, assembly, etc., but someone will have to be responsible for getting articles for these departments.

Please note most of the articles in this issue utilize a double-column condensed print. This is a simple Extended Basic program which runs TI-Writer files and provides almost twice as much information to a page. This program is in the Northcoast library and is also included in Barry Traver's first issue of Senial Traveler.

To make this a standard for the newsletter, this month's "co-editors" requested all articles be submitted via modem or on-disk in TI-Writer format. This enables the editor to print out the information in a format to take advantage of

space available. By having the articles on disk, they can be saved for reprinting at anytime and a "newsletter disk" placed in each group's library. It also makes exchanging articles with other clubs easier. At least one other club keeps DDD files on disk for exchange information and at the end of the year compiles all on one DDD disk which is made available to anyone sending in an initialized disk, mailer and postage. Your feedback would be appreciated.

Look inside for: Executive notes...Ken Gladyszewski says goodbye for Northcoast and welcomes Ron Minadeo; elections are coming up at Solon and TI Chips; Chuck Mareno says he has a dictatorship and doesn't have to hold elections. Our adventurer from last month, Dave Talan, is back with some general programming tips. In a future issue Dave will tell how to win at Tunnels of Doom.

Northcoast is enclosing a 2-page list of Freeware they have and a page listing what they would like to add. If anyone can donate any on the want list, please contact Ken Gladyszewski or Deanna Sheridan. Check out the review of the HDM print program by Chuck Mareno; an original utility program by Jim Nekeel of North Coast to make your programming easier; Terminal Command strips you can cut out and make yourself, or order ready-made from the Bluegrass Club, Lexington, Ky, and a chart from the Boise, ID group on how to use all the Senial special characters through CTRL U of TI-Writer.

**EXECUTIVE NOTES
NORTHCOAST**

I would like to first thank everyone for your vote of confidence. I hope I can do half as well as the outstanding job done by my Predecessors.

At our last meeting on December 14, we elected new officers as follows:

Ron Minadeo	President
Martin Smoley	Vice President
Jim McKeel	Treasurer
John Blackaer	Secretary

This year we will establish several new committees. One new one will be the liaison committee headed by Ken Gladyszewski and Tom Nellis. They will make contact and work with other clubs. Another is the Hardware Committee headed by Howard Winkler. He is now working on the SUPER-SUPER CARTRIDGE. I feel a very important committee is Public Relations which will let people know we are here to help TI owners.

I am looking forward to a great year ahead with such new software and hardware coming out. Most noted are the GramCracker and GPL Disassemblers, the upgraded computer console and the Randisk and a C compiler.

Thanks to the tremendous effort by Deanna Sheridan, we now

have over 2,000 programs in our library and the catalog IS UP TO DATE.

We will be having a survey of hardware with the specific equipment you have and also the programming knowledge you may have.

At the next meeting, January 18, we will have a demonstration by Jim McKeel of Trendline Analysis II, and a demonstration of downloading from TECHIE4.01. We may also see the Super Assembler cartridge and the SUPER-SUPER CARTRIDGE.

See you there,
Ron Minadeo 943-2791

A FEW WORDS FROM THE PAST PRESIDENT

This last year has been very exciting with our machine's often hidden capabilities being revealed with each discovery of yet another secret along with new and creative hardware and software. I've thoroughly enjoyed serving as your president during this time. Together we have also seen our club steadily improve and mature. I am very pleased with the coming year's slate of officers and offer them my total support. Please give them yours by joining a committee and becoming involved!!!

Ken Gladyszewski

**EXECUTIVE NOTES
SOLON**

Our December meeting was attended by 14 members who braved the snow and winter elements. Frank Jenkins announced that due to several factors, he would no longer be able to edit the newsletter, and is forced to pass the task along to others. After the business meeting, yours truly gave a brief overview of ADVENTURE games. Hopefully, I was able to give an intelligent look into the subject for those who were not familiar with it. The January meeting will be held at Quinn's in Solon and will conclude with the election of officers and selection of committee members for the coming year.

I would like to thank each and every person who has helped with the successful functioning of the group in the last year: Malt Ryder for his support in helping me execute this office; Barbara Butler in her capacity as secretary; Frank Jenkins for his job as treasurer, acting newsletter editor, and all-around person of many talents and tireless help; Kim Jones and Bruce Young for keeping and maintaining our media libraries; Bill Shannon for setting up the programs that we have each month; Mark Woodward for his job as newsletter editor and mail collector; Tom and Doris Jablonoski for getting the newsletter put together and mailed each month; Jon Lucas for his help with education, equipment and always a good source of information; to all of those people who took the time to give us presentations and programs each month; and last of all, especially those of you who support the group with your attendance at each meeting, for providing your input, asking questions, and being interested enough to explore a little deeper into the world of computers!! I hope I didn't leave anyone off the list, but just in case I did, THANKS!!

You have all made my job a very pleasant and meaningful experience in the past 12 months, and I am proud to be associated with a group of such dedicated and warm friends. We must all pull together again in the coming year, so that we can continue to move forward, as we did in 1985. Although we lost some of our members, we picked up some new devotees along the way; we purchased a disk system and 19" TV to make things much easier during meetings; our disk library has grown by leaps and bounds and was cataloged thanks to members of other local user's groups; and I think that we have evolved into a facility that is providing it's members with the kind of information and help that it wants and needs. Onward and upward in 1986!

See you at Quinn's in Solon on January 11. Lunch followed by election of officers. If you can't make it for the meal, please try to attend the business meeting.

Steve Weinkamer
President

GOLDEN CRESCENT EXECUTIVE NOTES
JANUARY, 1986

After an absence of several months due to the rush of business, these notes are once again included in the newsletter.

As you read this Newsletter, the Holidays will be over, all the presents will be opened and hopefully we will all have gotten some "good TI loot" to help us enjoy the coming year. Perhaps, a 640K RAM CRACKER, a RAM DISK or a DSDD DISK DRIVE, maybe, a 128K CARD, whatever! Let's all have fun.

It's the wish of all the Club Officers and myself that all our members enjoyed themselves during the Holidays and that your families are well and able to endure the coming year.

Our January meeting will be held January 9, 1986, at 7:30p.m. at Dick Burger's NEW EXPANDED RAM ENTERPRISES in Versailles. Phone 967-1317.

We will have demos on several new, exciting software items, including a demo of HBMprint (reviewed elsewhere in this newsletter.)

This month, January, is RENEWAL time for most of our members. So! Please attend and bring a TI friend and renew your membership.

We will also be reviewing the full club disk software library which is now over 900 programs. Believe me, there are many terrific programs in this collection. So, please attend and receive the full benefits of your membership.

This will be a Banner year for the TI. Many new items

are now available to you to help you enjoy your machine.

But, we need your help if our club is to grow and prosper. So far, we have lost many members when compared to the start of our club. Maybe these people were not really interested in Computers in the first place, or perhaps we did not do enough to keep them interested. But I do know this, if you are really interested in the TI, as I am, it will not be hard to gather up all the information you need to help you get to know what you want to know. Only a few have shown the interest and enthusiasm necessary to keep our club successful. We need the help of ALL our club members attending each and every meeting. We are reaching out and making contact with other groups. We have members who are working hard to make this information collected, available. But, remember, there is only so much we are able to put in the Newsletter each month. The rest is available at our meetings. If you don't attend, you are losing out on a lot of fun and information. The sad part is that you will soon lose interest as you will not have the necessary knowledge that will allow you to fully use all the power locked up in the TI.

On the other hand, if you have solved a problem of your own, why not share it with the rest of us in the group. This will help all of us grow, and this is what our group is all about. Hope to see all of you at the January meeting. Thanks.

CHUCK MARENO

HBM PRINT
by Chuck Mareno

HBM PRINT is a utility to print Household Budget Management Files.

For several years, I have been using the HBM module to maintain my budgets. Like many others, I lamented the fact that I was not able to secure a printout of this excellent program. One day I came across a review in "The National Ninety-Niner", Vol.II, No.7, August, 1985, on HBM print.

The great part about this program is the fact it is "Freeware". That is software produced by individuals who really care about the TI and want to help all of us.

This is a simple program to explain. You must have a full TI expansion system with a printer and an Editor/Assembler module. The program is loaded via option 3, Load and Run and auto-boots. A title screen is displayed and an output device is requested. You can use a one or two-drive system. Once the file is loaded, the header is displayed showing household name, year, and last activity date. After this information is verified, set your printer to top of the form...from this point you go to a print option menu which lists many entries.

You can print data in a choice of formats from this menu. For example, one category by month, all expense categories, all income categories, all categories for the entire year or year to date. A very important feature of this software is that you are able to send your data output to any device you want. You can send to disk (DIS/VARBO format). You can then edit the data using TI-Writer or Editor-Assembler.

This will be a very useful program for me as well as many of you who are making use of HBM.

This program is available from the Club library, and I would like to thank Deanna Sheridan for her efforts in obtaining this software. I am making a personal request that anyone receiving a copy of this program and using it, please send a contribution of up to \$10.00 to Mr. Lawson at the address listed below. This software is worth much more than the asking price, I assure you, and will really help users of HBM.

Bob Lawson
16223 Mill Point Drive
Houston, TX 77059

Rated XXXX (out of 5)

TALAN TIPS

MEMORY ON-OFF: There have been situations when we wanted to check a program that was saved on disk with the memory expansion system off. Normally that creates problems; you would have to take out the memory expansion card. Here is a little program that will do it without removing the card. These are 3 one line programs, save them on disk and anytime you want your memory expansion off run "MEMOFF" and when you want it on run "MEMON" and there is a "MENTEST" which will tell you whether the memory expansion is on or off. Have fun

MEMOFF:

```
100 CALL LOAD(-31868,0,0)::RUN "DSK1.MENTEST"
```

MEMON:

```
100 CALL LOAD(-31868,255,231)::RUN "DSK1.MENTEST"
```

MENTEST

```
100 CALL CLEAR::CALL PEEK(-31952,A)::IF A=55 THEN PRINT "EXP-  
MEMORY IF OFF" ELSE PRINT "EXP-MEMORY IS ON"
```

As always first CALL INIT

ADVENTURE TIPS.

WOODD CASTLE: PUSH SWEEP, SAY ZAP AT LAB.

THE COUNT :PICK LOCK, DROP STAKE IN CLOSET.

MISSION IMPOSSIBLE: BREAK WINDOW, SHOW PICTURE, GO CHAIR,
PUSH WHITE

GHOST TOWN: JUMP RAVINE, GO SHACK, POUR GUN POWDER IN
BARREL, TAP KEY

GOLDEN VOYAGE: PUSH STATUE, WALK UP-DOWN

SHORT TRICKS:

CALL INIT / CALL LOAD(-31806,16) DISABLES THE QUIT KEY.
CALL LOAD(-31748,N) CHANGES THE SPEED OF THE CURSOR
FLASHES (!<N<18).
CALL PEEK(-28672,P) WILL CHANGE THE VALUE OF P TO 0 OR
127 IF THE SPEECH SYNTHESIZER IS
NOT PRESENT, 255 TO 96 IF THERE IS.
CALL LOAD(-31931,128) PROTECTS AN EXTENDED BASIC PROGRAM.
CALL LOAD(-31931,0) UNPROTECTS AN EXTENDED BASIC
PROGRAM.
CALL LOAD(-31740,2,2) CONTINUATION OF THE LAST SOUND
GENERATED.
CALL LOAD(-31745,0) FREEZES THE SCREEN, THEN BLANKS IT
OUT.
CALL LOAD(-31804,0) PRODUCES A VERY MUSHY KEYBOARD.
CALL LOAD(-31804,128) DISABLES THE KEYBOARD ALTOGETHER.
CALL LOAD(-31863,128) RESTARTS EXTENDED BASIC, THEN LOOKS
FOR "DSK1.LOAD AND RUNS IT.
CALL LOAD(-31868,0,0) TURNS THE 32K MEMORY OFF (TRY A
"SIZE" COMMAND).
CALL LOAD(-31961,51) RETURNS YOU TO THE TITLE SCREEN.
CALL LOAD(-31961,149) RESTARTS EXTENDED BASIC, THEN LOOKS

FOR "DSK1.LOAD" AND RUNS IT.

```
CALL LOAD(-32572,1)
```

```
CALL LOAD(-32116,4)
```

PRODUCES A VERY MUSHY KEYBOARD.

GET'S YOU FROM EXTENDED BASIC TO
CONSOLE BASIC.

FIND THE MEMORY SIZE OF THE 32K CARD.

```
100 CALL INIT
```

```
110 CALL PEEK(-31866,A,B)
```

```
120 C=A+B-65536
```

```
130 D=24513+C
```

```
140 PRINT "MEMORY SIZE=";D
```

```
150 END
```

PROGRAM PROTECTION...

```
CALL LOAD(-31940,7)
```

REMOVES THE "SAVE" UTILITY, PROGRAM
FREEZES WHEN FINISHED, CAN LIST BUT
NOT EDIT.

MORE FUN STUFF...

```
CALL PEEK(-31877,C)
```

IF C=32 THEN THERE IS A SPRITE
COINCIDENCE (FAST).

```
CALL LOAD(-31806,32)
```

DISABLES THE SOUND GENERATOR STOP

```
CALL LOAD(-31806,64)
```

STOPS ALL SPRITE MOTION.

```
CALL LOAD(-31806,0)
```

URNS ON ALL SPRITES

HOW ABOUT POKEV...

```
CALL POKEV(-32768,0)
```

NORMAL MODE.

```
CALL POKEV(-32352,0)
```

CLEARs THE SCREEN.

```
CALL POKEV(-32272,"",-30945,0)
```

TEXT 40 COLUMN MODE

```
CALL POKEV(-32280,0)
```

MULTICOLOR MODE (EACH CHARACTER IS
A 4x4 BLOCK)

PROPRIETARY PROTECT MODE...of the Disk Manager. To enter
this mode press the "FCTN X" and press it ten times. You
will here a beep, and X will appear at the top of the
screen. When you initialize a diskette, proprietary
protection will be placed on it. You will not be able to
copy your diskette, so make sure you have an unprotected
back-up. To exit this mode hit "FCTN X" once more, and the
X will be erased!

ADVENTURE TIPS...Because the command module is used for all
the games, an old game saved can be recalled by another game.
You cannot play, but will uncover some of the key words. Be
sure to check inventory!

E/A LIST FILE...To get the LIST FILE through a parallel there
must be a period after PIO (PIO. or PIO.EC etc...)

MORE DISKETTE PROTECTION...If you only initialize 35 tracks
of a new disk, most of the "Mass-Copyers" will not copy them.
Most, including FORTH, give an error when they try to read
the uninitialized sectors since they are designed to copy 40
tracks on a diskette.

TALAN TIPS-Cont

PARSEC LASERS: To prevent the lasers from overheating, tape the fire button of the other joystick. Have fun!

ARCHIVING TO SAVE DISKS (NIBBLER, 32K, DOUBLE-SIDED DISK DRIVE)

SIDE	SECTOR RANGE (DECIMAL)	SECTOR RANGE (HEX)
A	000-359	000-167
B	360-719	168-2CF
C	720-1079	200-437
D	1080-1439	438-59F

We could use the Nibbler to copy up to 4 single-sided disks onto a backup disk. The backup disk would contain up to 4 disk names, 4 bit-maps, etc. located 360 sectors apart. Obviously, any single sided disk copied into side B, C, or D is not runnable, in archiving mode, but can be transferred back to a single-sided disk copied into side A [the first 360 sectors] of a DSDD disk will still run in archiving mode. I keep a sticker showing the hexadecimal range of the "sides" pasted on my console. I use archiving for seldom used business packages, and for PLATO backup. I estimate my saving over 4 boxes of disks.

CALL LOAD(-32116,4) puts into basic form x-basic without losing program

CALL LOAD(-32187,9) will give you a dummy line of 0, which can't be used, likely part of num, escape with Redo

CALL LOAD(-32188,127) change screen color; give breakpoint

CALL LOAD(-32730,32) reset

CALL LOAD(-31962,255) restart X-B

CALL LOAD(-28672,8P) ACCESS SPEECH

ACCESS DIFFERENT SCREENS THROUGH:

CALL LOAD(-32768,0) normal mode

CALL LOAD(-32352,0) clear mode

CALL LOAD(-32766,0) bit map mode

CALL LOAD(-32280,0) multicolor mode

CALL LOAD(-31866,33,0) gives console an extra 8K of memory expansion!

TALAN TIPS PROVIDED BY DAVE TALAN. IF YOU HAVE ANY TIPS OR NEW PROGRAM TIPS, GIVE ME A CALL AT 333-5829. HAVE FUN!

EXECUTIVE NOTES TI CHIPS

Happy New Year everyone! Our December meeting was a great way to end the year. Tom Thainer demonstrated the new Graa Kracker. It allows you to copy cartridges, go in and change the program, and then put them on disks. Really a great item.

Then Oscar Prodeetsky gave a great presentation on the three disks, Graphx, Companion I and II. He distributed a booklet showing some of the things possible with them. Thanks, Oscar. Tom Thainer demonstrated the TI Artist, which also has companions. We were able to see and hear the pros and cons of each of these. They are very similar, but each has its advantages and disadvantages.

TI Chips is going to have elections in January. Please everyone come. Anyone who is interested in running for office, please be there or contact one of the officers before the meeting. Let's have a really great turnout for this important meeting. Remember, involvement is necessary and vital for the continuing growth of our group.

The Thainers brought along a nice display of software for members to buy for Christmas gifts and we had our second annual Christmas party with lots of delicious refreshments after the meeting.

Hope to see you all at our January meeting, which will be on January 18, at the North Royalton Public Library.

JAN FEDOR
SECRETARY

TK-WRITER FIX

By Jim McGarvie from San Diego's TIBBS: via DELEWARE VALLEY U.G.

To avoid data loss if you should accidentally use the Show Directory (SD) command while using TK-WRITER try the following modification:

Use a sector editor utility to change byte >14 (decimal 20) of the third sector of EDITA1 from >53 to >20. Then the "SD" beeps instead of destructing.

Another suggestion from Woodrow Wilson, was to call the TK-WRITER via:

```
10 RUN "DSK1.TK-WRITER"  
20 END
```

```
then add line 265 in TK-WRITER to call  
265 RUN "DSK1.CAT"
```

to bring up an appropriate catalog. (You have to supply the catalog program

FREWARE

Unless noted, each diskette contains only ONE freeware program.

TI-WRITER AND MULTIPLAN ENHANCEMENTS

Both these enhancements from TI are on the same disk. The TI-Writer provides lower-case letter when in edit mode and eliminates the extra page feed when printing from Formatter.

The Multiplan enhancements speed up the program somewhat.

TI-ADVANCED ASSEMBLY DEBUGGER

The Assembly Language assembly debugger released by TI.

TI-FORTH

The Forth language diskette released by TI.

TI-FORTH SOURCE CODE

This is composed of 2 disks Parts A and B.

SCREEN DUMP

This is the famous screen dump program by Danny Michael, one of the first to be released to public domain.

NEATLIST

Also by Danny Michael. Produces an orderly listing by allowing setting of margins and a list of variables used in the main and subprograms.

DISK MANAGER 1000

A disk manager program which eliminates the need for the Disk Manager module. This is version 2.2 which corrects some problems in the original.

FAST-TERM

The most popular terminal emulator program for the TI.

SPRITE BUILDER

A 2-disk program...one for developing sprites, the other a disk of examples in merge format. Has a section which can be transferred to cassette for those who do not have disks.

TI-CRAPS

Las Vegas style crap game, formerly distributed by Ransoft Enterprises.

THE FOLLOWING PROGRAMS ARE ALL ON ONE DISK:

COM 99 (H1308) AND (H130DOC)

Another terminal emulator program. Run H130DOC for instructions.

TI-SORT

A machine language utility that loads under the TI-Writer Utility function or option 5 of E/A. It will sort up to 300 TI-Writer or E/A files. Load UTIL1.

MULTIPLAN TAX TEMPLATES (H1398) (H139DOC) (SCHEDD) (TAX1) (TAX2)

H1398 runs H139DOC which is the documentation for this program which contains spreadsheet files for Form 1040, Schedules A,B,D,W, Tax Rate Schedule, And Sales Tax Tables for 1984.

TK-LOADER (H1308) (H131A)

H1308 provides the instructions for H131A which will load the TI-Writer files from Extended Basic.

THE FOLLOWING PROGRAMS ARE ALL ON ONE DISK:

THE DIRECTOR

The multi-function disk cataloger by Ron Rudledge. Run from LOAD. Program consists of the following files on the diskette: DIRECT/DOC, DIRECTOR, DIRLAB/DOC, DISK/LABEL. Note, in order to operate properly you will have to have a working disk titled DIRECTOR.

DISK MASTER

This is a disk manager program with all of the functions of the TI module. It runs from E/A option 5 or TI-Writer Utility option. Load DMAST 1. Program consists of DMAST 1, DMAST 2 AND DMAST 3.

MASS-COPY

This is an updated version of MASSCOPY which will load from Extended Basic, and utilize the NYARC 12B card. Run MASS-COPY. Program consists of MASS-COPY, MASSCOPY, NC/DOC/NC3/NC3-2DISK, NCINST AND PRINT/DOC.

FROM CENTRAL JERSEY U.S.

For those of you with CORCOMP DISK CONTROLLERS AND TK-WRITER by Tom Knight. This came off The Source TI bulletin Board.

Assuming that you have TK-Writer and your TI-Writer edit and format files on the same disk, load the CorComp disk manager and go to the File Utilities section. Then press Option 2 for Load and Run. Under file name enter the WRTR program from TK-Writer and under the program name enter EDITOR. Then hit enter. The TK-Writer program will load the CHARA, EDITA1 AND EDITA2 files, bringing you into TI-Writer without the use of any cartridge. The same process can be used to load Formatter or Utility files. Enter FORMAT for the formatter and UTILIT to access the Utility option.

FREWARE2

HOUSEHOLD BUDGET MANAGEMENT FILES

A utility to print files from the TI Household Budget Management module, utilizing FORTH. Cannot be used without the above-named module. Run "READ-ME" through TI-Writer or E/A for detailed instructions.

TI-SCRABBLE

An assembly language game of scrabble for several players. For instructions, run SCRAB_INST through TI-Writer or E/A print.

TK-WRITER

Tom Knight's TK-Loader with several enhancements including choosing screen colors, a directory, special features for a CorCoop disk controller.

DIRECTOR 99

The unique feature of this cataloging program is that it will allow you to enter descriptions for each disk and file. Holds between 550-700 files on a 55-SD disk. Amount can be doubled for DS-SD disks. Run DIR99/DOC From TI-Writer or E/A Print function for detailed instructions.

CATALOGING LIBRARY

An assembly language cataloging program which seems to have all of the features of Master Disk File. Holds 123 disks and 900 files. Has fast assembly language sort.

CREDIT CARD MANAGER

An assembly language credit card data base and analysis program. Uses the following files: LOAD, CARDPYMT, CARDTRANS, AND SAMPLE.

M-WRITER

An assembly language TI-Writer loader for the Minimemory. Use the Load and Run option. Needs TI-Writer files. Uses the following files: CHARA1, CHARA1/LOW,M-WRITER and SD. SD is a Show Directory function.

SKIGAME99

This is a stand-alone program written and donated by Terry Dietrich. It is a Basic game which utilizes assembly language routines and is an example to show how to develop a

program with assembly language routines using 1 disk. Disk name is SKIGAME99.

Contains: BSCSUP, EDIT1, ASSN1, ASSN2, GAMESOURCE, GAMEOBJ, GAME (TI-BASIC)

THE FOLLOWING 2 PROGRAMS ARE ON THE SAME DISK AND REQUIRE THE TUNNELS OF DOOM CARTRIDGE:

ASSAULT THE CITY
QUEST FOR THE KING

MUSIC DISKS

2 disks of songs which include graphics, some animated. Disk 1 is popular and folk tunes. Disk 2 is a collection of hymns, including a Christmas medly...from Bill Knecht

HOMEBREW MODULE SOFTWARE

Four stand-alone programs and a loader system to provide title screen menu access to "load and run" E/A programs. The programs--Single Sector Copy, Debug, Disassembler and TK-writer loader--are loaded into the 8K module RAM and accessed from Title Screen menu. From David Rorer.

MASTER CATALOG

An assembly language disk catalog program that is super fast!!! Handles up to 2000 different disk files, one or two drives, prints out in a 2-column format.

COMPACTOR

By Monty Schaidt. An assembly language program that takes an uncompressed D/FBO AL program and compress to about 2/3 disk space and yields faster load times.

UNCOMPACTOR

By Monty Schaidt. Opposite of above process.

TOMB OF DEATH

By John Behnke of Chicago. Extended basic adventure game.

FILEREADER

By our own Martin Saoley. Reads most types of files, display them on the screen, dup to printer or create a D/VBO file to be read by TI-Writer.

TK-WRITER REVISION JACKSON COUNTY 99ers VIA ATLANTA 99/4A U.G.

This a modification to the LOAD program that will cut down the wait when switching from the EDITOR to the FORMATTER. This wait is caused by the assembly language program being loaded back into the computer when the load program is rebooted. This assembly language program, however, is still present in memory if you haven't done something like turn off the computer or run some other program. You can convert the LOAD program by replacing line 100 and adding lines 102, 104, and 108 as shown below. Line 100 checks to see if the assembly program is in memory. If not, it jumps to 108 and loads the program. If it is in memory, the REF/DEF table and last free address are loaded, and you can access the assembly code as usual. In plain talk, it will save a whole bunch of time.

```
100 CALL CLEAR :: CALL INIT :: CALL PEEK(-2043,A,B):: IF A<>84 OR B<>75 THEN 108
102     CALL     LOAD(16360,85,84,73,76,       73,84,250,212,70,79,82,77,65,84,2
50,132,69,68,73,84,79,82,250,22)
104 CALL LOAD(8196,63,232):: GOTO 110
108 CALL LOAD("DSK1.WRITER")
```

DOES ANYONE HAVE...

WEATHER FORECASTER - Useful for anywhere in US. Gary Cox, 3175 Melbourne, Memphis, TN 31827.

LANNOWER - Game by Gary Cox above.

TRIVIA 99er - For 1-4 players by Robert Wessler, 4300 Frazier, Ft. Worth, TX 76115.

SUPER DISK DUPLICATOR - Copies specified sectors very quickly. Tom Knight, 7266 Bunion Drive, Jacksonville, FL 32222.

I DISASEM - Extended Basic disassembler with pamphlet. Frederick Hawkins, 1020 N. 6th St., Allentown, PA 18102.

PILOT 99 - Thomas Weithofer, 1000 Harbury Drive, Cincinnati, OH 45220.

EASYSprite - Tom Freeman, 515 Alca Real Dr., Pacific Palisades, Ca 90272. An assembly language program to develop graphics.

PRO 99ER BBS - Mark Hoogendoorne, 21 Long Street, Burlington, MA 01803. TI BBS system with true TE2 transfer capabilities.

FAST FORTH - Tim Curran, 4153 Four Pole Road, Huntington, WV 25701. XB loader, fast editor, 40-column auto-repeat.

FORTH CONFIGURATION - Rene LeBlanc, 8719 E. San Lucas Dr., Scottsdale, AZ 85258. A configuration enhanced from Tom Freeman's XBASIC version of TI FORTH.

ILLUSTRATED MULTIPLICATION - Larry P. Morgan, 9 Fountain Lake Dr., Greenfield, IN 46140.

MYCOVE FORTH PROGRAM - Barry Comer, 2 Cleveland Crescent, Dartmouth, Nova Scotia, Canada B3A-2L6. Allows the user to get into the heart of bit-map mode.

DRAGON STORM - L.E. Benson, P.O. Box 283, Eden, NC 27288. Adventure game.

QUAD AND GAMMA MATCH - Tony Robinson, P.O. Box 76799, Vancouver, Canada V5R 5S7. For radio operators.

PROGRAM PROOFREADER - Daniel F. Morling, 3120 Fourth St., No. 17, Santa Monica, CA 90405. Checks the entry of BASIC programs for correctness.

SUPERBUG II - Edgar L. Dohmann, Route 5, Box 84, Alvin, TX 77511. Improved version of the Superbugger program released to public domain by Texas Instruments.

DISK ENVELOPE DESIGNER - Trio Software, P.O. Box 115F, Liscomb, IA 50148. Catalog Comments Disk Envelope Designer which formerly sold for \$29.95.

TRIVIA AND GRAPHICS DEMO - Danny Cox, 1861, The Elms Ave., Memphis, TN 38127.

MAIL-CALL - Gary D. Watts, 1739 Burning Tree Dr., Vienna, VA 22180. Creates, maintains and prints mailing lists.

MPG - FineLine, 3 Wendy Lane, Marlboro, NJ 07746. Keeps track of mileage for one or more vehicles.

APPLICATIONS SOFTWARE - Fred Guyton, P. O. Box 367, Estill Springs, TN 37330. Includes Checkbook Manager, Budget, Mailist, Financial Decision Analysis, Disk Catalog.

TOOLKIT - Stephen J. Trencansky, 621 Lacey Dr., Endwell, NY 13760 is offering a package of 11 utility programs that run in extended basic.

FORTH BACKUP - Jim Lewis, 1907 Trout Valley Rd, Champaign, IL 618211, a disk cloner which includes an XB-loader.

SPREADSHEET - Peter Chalanish, 110 Post Ave., Apt. 104, New York City, NY 10034. Creates a spreadsheet of 26 rows and 14 columns. Also available is a game that simulates the landing of a 747 jet in Basic.

ASSEMBLY LANGUAGE

If you have an interest in, or would like to learn Assembly Language, Northcoast is starting a SIG. This group is open to anyone interested in learning or expanding their knowledge in Assembly Language.

The only two requirements are: 1) the E/A manual and cartridge, and 2) "Introduction to Assembly Language For the

Texas Instruments Home Computer" by Ralph Molesworth. You can order this book from the new Tenex catalog for \$14.95, #21880.

If you have any questions regarding the group, contact "Tom Nellis", 475-4067. The meetings will take place on the 2nd Saturday of each month.

MORE TI-WRITER TRICKS

Thanks to Jim Peterson in his tips #26 for the information and the idea for these tricks for use in the EDITOR: On page 139 of your GEMINI-10X USERS MANUAL it mentions "Other Function Codes", which Jim explains is a way to tell your printer to print the special characters built into it. To print those characters shown below in parenthesis, enter CTRL U FCTN R CTRL U SHIFT > followed by the character in the last column. For example, to print a left arrow enter CTRL U FCTN R CTRL U SHIFT > &. To stop this feature, enter CTRL U FCTN R CTRL U SHIFT #. The columns listed are: Gemini ASCII code, constant of 128, TI-WRITER ASCII code, printer character, and character to enter.

160 - 128 = 32 = (J) =	161 - 128 = 33 = (K) = !
162 - 128 = 34 = (L) = "	163 - 128 = 35 = (M) = #
164 - 128 = 36 = (N) = \$	165 - 128 = 37 = (O) = %
166 - 128 = 38 = (P) = &	167 - 128 = 39 = (Q) = '
168 - 128 = 40 = (R) = (169 - 128 = 41 = (S) =)
170 - 128 = 42 = (T) = *	171 - 128 = 43 = (U) = +
172 - 128 = 44 = (V) = ,	173 - 128 = 45 = (W) = -
174 - 128 = 46 = (X) = .	175 - 128 = 47 = (Y) = /
176 - 128 = 48 = (Z) = 0	177 - 128 = 49 = (a) = 1
178 - 128 = 50 = (aa) = 2	179 - 128 = 51 = (ab) = 3
180 - 128 = 52 = (ac) = 4	181 - 128 = 53 = (ad) = 5
182 - 128 = 54 = (ae) = 6	183 - 128 = 55 = (af) = 7
184 - 128 = 56 = (ag) = 8	185 - 128 = 57 = (ah) = 9
186 - 128 = 58 = (ai) = :	187 - 128 = 59 = (aj) = ;
188 - 128 = 60 = (ak) = <	189 - 128 = 61 = (al) = =
190 - 128 = 62 = (am) = >	191 - 128 = 63 = (ao) = ?
192 - 128 = 64 = (an) = @	193 - 128 = 65 = (ap) = A
194 - 128 = 66 = (aq) = B	195 - 128 = 67 = (ar) = C
196 - 128 = 68 = (as) = D	197 - 128 = 69 = (at) = E
198 - 128 = 70 = (au) = F	199 - 128 = 71 = (av) = G
200 - 128 = 72 = (aw) = H	201 - 128 = 73 = (ax) = I
202 - 128 = 74 = (ay) = J	203 - 128 = 75 = (az) = K
204 - 128 = 76 = (ba) = L	205 - 128 = 77 = (bb) = M
206 - 128 = 78 = (bc) = N	207 - 128 = 79 = (bd) = O
208 - 128 = 80 = (be) = P	209 - 128 = 81 = (bf) = Q
210 - 128 = 82 = (bg) = R	211 - 128 = 83 = (bh) = S
212 - 128 = 84 = (bi) = T	213 - 128 = 85 = (bj) = U
214 - 128 = 86 = (bk) = V	215 - 128 = 87 = (bl) = W
216 - 128 = 88 = (bm) = X	217 - 128 = 89 = (bn) = Y
218 - 128 = 90 = (bo) = Z	219 - 128 = 91 = (bp) = [
220 - 128 = 92 = (bq) = \	221 - 128 = 93 = (br) =]
222 - 128 = 94 = (bs) = ^	223 - 128 = 95 = (bt) = _
224 - 128 = 96 = (bu) = `	225 - 128 = 97 = (bv) = a
226 - 128 = 98 = (bw) = b	227 - 128 = 99 = (bx) = c
228 - 128 = 100 = (by) = d	229 - 128 = 101 = (bz) = e
230 - 128 = 102 = (ca) = f	231 - 128 = 103 = (cb) = g
232 - 128 = 104 = (cc) = h	233 - 128 = 105 = (cd) = i
234 - 128 = 106 = (ce) = j	235 - 128 = 107 = (cf) = k
236 - 128 = 108 = (cg) = l	237 - 128 = 109 = (ch) = m
238 - 128 = 110 = (ci) = n	239 - 128 = 111 = (cj) = o
240 - 128 = 112 = (ck) = p	241 - 128 = 113 = (cl) = q
242 - 128 = 114 = (cm) = r	243 - 128 = 115 = (cn) = s
244 - 128 = 116 = (co) = t	245 - 128 = 117 = (cp) = u
246 - 128 = 118 = (cq) = v	247 - 128 = 119 = (cr) = w
248 - 128 = 120 = (cs) = x	249 - 128 = 121 = (ct) = y
250 - 128 = 122 = (cu) = z	251 - 128 = 123 = (cv) = (
252 - 128 = 124 = (cw) =)	253 - 128 = 125 = (cx) =)
254 - 128 = 126 = (cy) = ~	255 - 128 = 127 =) =

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