

USERS GROUP HOOSIER GROUP HOOSIER USERS HOOSIER USERS GROUP

USERS GROUP HOUSIER USERS THE HUGgers HOOSIER USERS GROUP People Helping People

USERS GROUP HOOSIER GROUP HOOSIER USERS HOOSIER USERS GROUP

USERS GROUP HOOSIER USERS

September, 1986

THE HUGgers NEWSLETTER

Volume 4, Number 6

OFFICERS CORNER

First off I would like to thank Carl and Mary Clark for their help in locating a meeting place for the monthly meetings. Starting October 12, 1986, we will be meeting at St. Ann Catholic School, 2839 McClure, Indianapolis. This is just south of Stout field on the westside of town. A map is on the next to last page of this issue.

Sunday, September 14 is the HOOSIER USERS GROUP picnic at Eagle Creek park. Members coming to the picnic are asked to bring a covered dish, a dessert, tableware, lawnchair or ground cover. The picnic will start at 11:00 am at the north Mt. Pleasant shelter house. There are six or seven large picnic tables and two small grills at the shelter. Please do not bring computer systems without co-ordinating with Steve or myself, due to lack of table space. Two system with double drives should be sufficent. Run length encoded pictures, TI-ARTIST, FORTI music card (Dan Eicher), demonstrations are tenitively scheduled. We have to be out of the shelter area no later than 6:00 pm. Admission to the park is \$1.75 per (marion co.) and \$2.00 (non-marion co.) plus \$.25 per person other than the driver in the vechicle.

We still need to fill two positions, one person or more is needed to prepare newsletter. Another position needed to be filed is membership chairperson. The tasks of the committee chairperson have been negelected for several months now.

William M. Lucid. HUG Vice President

COMPLAINT DEPARTMENT

PLEASE PROMULGATE!

Subscribers of HOME COMPUTING MAGAZINE, now the HOME COMPUTING JOURNAL (\$75.00 per year) that feel ripped off here are two address to write your complaints. To join the fight, (suit filed with the Postal Service), contact:

Jeff Guide P.O. Box 6728 Alexandria, VA 22306.

District Attoney in Eugene, Oregon has received enough complaints that they have begun an investigation. They are interested in hearing from any and all complaints about HCJ. They have exerted pressure on HCJ so that a few people have actually gotten their money back on unfinished subscriptions. To streghen the case agaist HCJ however, they need to hear from "damaged parties" or they will be helpless. Anyone who was cheated by HCJ is strongly urged to contact:

DISTRICT ATTONEY CONSUMER RELATIONS 400 LAKE COUNTY COURTHOUSE EUGENE, OREGON 97401 (503)-687-4261

This imformation obtained from The Topics - LA 99ers. August newsletter contained in a letter from Amnion Helpline and imformation obtained from RANDY'S RUMOR RAG, a regular feature on the SOURCE (TISIG).

Most of the newsletters we get in our mailbox have something useful to just about everyone. It is so hard to decide what information to include here. Well I'll get on with my selections. were at two reviews of FUNNELWRITER, both of which were too long to include The program is worth having if here. you don't have anything but Extended Basic Module and a disk drive. Oh yes, It will I almost forgot, 32k memory. load many of the files loaded by the E/A module, as well as it will load TI-Writer. Speaking of which, do you get tired of typing two ampersands or at symbols in order to get one printed? Well, one article tells how to modify the FORMAi program to use the 'backslash' and 'grave' marks, respectively in their place. These are symbols used much less, if ever, and don't cause so If there is sufficient much trouble. interest I will elaborate in a later While I'm beating TI-Writer article. down, there is another useful tidbit. For those of you who, like myself get mixed up trying to set margins when the first column is '0', well you can 'ZAP THE ZERO' for a tab line that goes from i to 80 instead of 0 to 79. I can include it in the same article if need be. From Jim Schroeder of the 'HOCUS' from the Milwaukee Area User Group, comes a freeware track-copier program that has several versions, including one that will using the CorComp disk run controller and one that uses RamDisk. He is asking a \$10 donation. The program is called 'REDISKIT'. have other things for the offering. would you like 32K right in console, or a 'cool' power supply, or a load interrupt switch recessed in the top grill of your console? All or any of these plus others are offered by Jay Leber of TITEX UG, Hicksville, NY. three slot Expansion System Kit for \$35 is still available from the Captain's Wheel. It comes with instructions on how to build the case. This would certainly help some of you that don't have the TI Box. RAVE 99 Co. offers two new keyboards for our orphan computer for your consideration. They have 2 kinds,

84 keys for \$124.95 and 101 keys for \$149.95. The TI-WRITER manual is now free, just pay the price of shipping and handling, \$3.00. Call, of course, 1-B00-TI-CARES. CorComp is now making 4 memory expansion units, two stand alone and two card type in 2 versions, 256K and 512K. They support many features found in similar units, such as RAMDISK, Also, to be out soon is COR-WARE etc. from CorComp, especially designed to advantage of the new 256/512K For you Gemini 10X owners, take memory. comes info that a new chip from Germany that allows Letter Quality Print. have received many more CALL LOADS for Extended Basic, some I hope are new. It would be nice to have as many of the known CALL LOADS in one list possible. Is there someone who would like to tackle this project? Your efforts would be greatly appreciated by the officers and fellow members, as well. One final thought, perhaps in the form of a survey, I note where one user's group passes out the 'TIPS FROM THE TIGER CUB' at its meetings instead of including them in their newsletter. Any one for another survey? Anyone needing more info, contact me at E-mail box 44. LATER.....

Print out of a run-length-encoded picture using TI-ARTIST, Version 2.0 with a 8510AP PROWRITER printer.



LIBRARY BITS

By Dennis Sherfy

Your group's program library takes up about 70 disks. The programs in this library are worth the price of your membership several times over. If you are not using this library, you're missing a valuable resource.

Many of the programs in our library may be loaded with a cassette recorder. The library now contains 13 disks full of basic programs which require no more than a cassette recorder, a monitor, and the TI 99/4A console.

This month I'm going to talk about what I consider to be TI's most useful tool, TI WRITER. Our library contains an instructional file which tries to shed some light on many features of TI WRITER. The file is in Display Variable 80 format, which means that it can be loaded with TI WRITER and read on the screen, or printed on your printer. The file is on the disk named TIDOCS/MUSIC DEMO. Your can load the file with TI WRITER using DSKx.TIDOCS.

The best way to make use of this instructional file is to print it on your printer through the formater, then study the file on your monitor. Your monitor will show you how the different features were entered, such as bold face type, centering, etc.

The author recommends writing files so they will be one screen wide, so you can read the file without windowing. Little tips like that are helpfull to beginners.

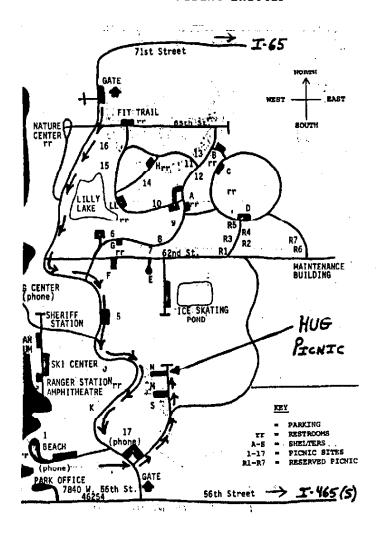
This file was prepared by Dick Altman, who asks for a modest payment if you benefitted from his lesson, or at least a note of thanks. It can't get more reasonable than that!

At the August Southside Meeting, we discussed the possibility of a TI WRITER column for our newsletter. Perhaps modesty prevents someone from coming forward to write such a column. No one wants to say that they know all there is to know about TI WRITER. Probably no one does. At the same time, I know that

there are several members of our group who are VERY competent with TI WRITER. If all of our members would share their TI WRITER techniques and understandings with one of our members, that person could write a column beneficial to all of our members. Will one of you volunteer to write such a column? Please let me or Bill Lucid know.



THE HOOSIER USERS GROUP EAGLE CREEK PARK picnic will be SUNDAY, SEPTEMBER 14 at the N. Mt. Pleasant shelter



TI-ARTIST

Console, monitor or TV, disk system, expansion memory, one of the following: (Extended Basic, Mini-Memory, Editor/Assembler, TI-Writer, Corcomp or Myarc disk controller card (in short an assembly object code loader)), joystick (optional), Super Sketch (optional), mouse (optional), track ball (optional).

PERFORMANCE

TI-ARTIST has to be the best all around graphics program on the market. Even though GRAPHX, Master Painter 99, Draw and Plot, and Super Sketch each offer certain unique features, TI-Artist offers the best features in a single package.

It is an extremely easy program to use and is completely menu driven from a picture title screen. Simply move your cursor to the picture of the desired action or press the corresponding letter on the keyboard and presto you are in that mode. Some of the unique features Lines are: Continous point-to-point, Rays, Fills with user selected patterns, Frame, Box, Circle, Disc, perfectly horizontal or vertical lines, alphanumeric lettering in 81 possiable sizes determined by user. Store or load from disk, zoom the picture size 4X for detail drawing, Mirror your drawing in quadrants, Input your drawings using keyboard, joystick, Super Sketch, trackball, or a mouse, brush sizes/styles, index pictures previously saved on a disk, optional density, magnification, and **EPSON** spacing printouts on compatiable (most printers), Okidata, or Seikosha GP-100 printers. One option which I particularly like is the ability to load drawings previously drawn with Draw A Bit, Draw A Bit II, Draw and Plot, and GRAPHX and convert them to drawings which may þe used with TI-Artist.

There are several features which could be easily added which I feel would enhance the program. First, on printing out the picture the user should be able to permanently re-define his printer specifications instead of entering them

REVIEWED

each time, abort the print out, and define shades of print densities corresponding to screen colors. Second, a provision for pre-drawn ICONS for the inclusion in drawings would have been nice.

EASE OF USE

From the moment I loaded the program I was able to begin drawing with minimal reference to the instructions. Even the inexperienced user should be able to quickly master all facets of the program. This program is also well suited for children as an introduction to drawing on the computer.

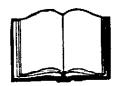
VALUE

TI-Artist at \$19.95 has to be the best buy on the market. When one considers the effort required to write this tremedous program plus the cost of materials, postage, and handling it would be impossiable to find a better deal.

FINAL GRADE

TI-Artist certainly deserves the top grade. I found the program a joy to use and I am certain it will not become another useless program sitting on the shelf. The author of the program is Chris Faherty of INSCEBOT INC. Software.

(Comment: This review by Mack McCormick was printed in the Penn Ohio 9/4A Home Computer Users Group Newsletter, May Version reviewed was not stated, 1986. The TI-Artist version I have is 2.0. packages Additional software **#1**, TI-ARTIST are: Artist Companion Artist Companion #2, Display Master, and Artist Extras. Use of Super Sketch pad and use of a mouse require special DSR routine on the Artist Extras disk. Wm. M. Lucid)



COMPUTE!'S BOOKS FOR THE T199/4A

COMPUTE!'S Beginner's Guide to Assembly Language on the T199/4A

by Peter B.L. Lottrup \$14.95

A clearly written, step-by-step tutorial on machine language programming for the TI-99/4A. Mini-Memory required. 262 pages.

COMPUTEL'S FIRST BOOK OF TI GAMES
Edited by C. Regena #12.95
This book contains 29 ready to type in games plus information designed to teach game programming techniques. 211 pages.

COMPUTE!'S GUIDE TO EXTENDED BASIC HOME APPLICATIONS ON THE T199/4A

by Christopher Flynn \$12.95

This book helps turn the TI into a powerful home management system and includes many useful programs. 199 pages.

COMPUTE!'S GUIDE TO T199/4A SOUND AND GRAPHICS by Raymond J. Herold \$12.95 Using examples and clear explanations, this book introduces the tremendous sound and graphics capabilities for the T199/4A. 210 pages.

COMPUTE!'S TI COLLECTION, VOLUME ONE \$12.95

An anthology of COMPUTE!'s best games, applications, utilities, and tutorials for the TI99/4A. 309 pages.

CREATING ARCADE SAMES ON THE T179/4A by Seth McEvoy \$12.95 Includes the necessary techniques to create exciting video games with eight games ready to type in and play. 200 pages.

PROGRAMMER'S REFERENCE GUIDE TO THE T199/4A by C. Regena \$14.95 Clear explanations of T199/4A programming techniques, plus programs for beginning to experienced users. 312 pages.

GAMES FOR KIDS
by Robert P. Ingalls \$12.95
Games for children of all ages designed to help children
learn while they're having fun. 188 pages.

PROGRAMS FOR THE T199/4A by Brian Flynn \$12.95 Contains a wide variety of applications software plus games for the TI home computer. 199 pages.

NEW NEW NEW NEW NEW NEW NEW NEW NEW COMPUTE!'S TI COLLECTION VOLUME 2 \$14.95

This assortment of previously unpublished programs and articles for the TI99/4A has something for every TI user. There are exciting games and tutorials written with the style and clarity that has become the trade mark of COMPUTE! Books. COMPUTE! continues to be the major source of high quality software for the II. 200 pages.

These books can be purchased through your local B. Dalton book store or directly from Compute! by writing to COMPUTE!, 825 Seventh Ave., New York, N.Y. 10019 or by calling the toll free number 800-346-6767

A9CUG CALL NEWSLETTER

The club now has the language PILOT which was written in FORTH by Thomas Weithofer. Here is a tip on using PILOT Fairware. The PILOT that you receive on disk is the Interpreter. When it starts, you will be asked for a file name. If you hit Return without specifying one, the system can lock up. It is expecting the file that contains 'YOUR' PILOT program you have previously written, with TI Writer (or something similar). If you have not written one yet, giving any file name even a nonexistent one will cause the machine to drop out of the program without locking up the system. Thomas Weithofer suffered from Cystic

Fibrosis and has recently passed away. The disks received by the club came from Thomas's father. In a letter accompanying the disks, Mr. Frank Weithofer stated that Tom had released the program to Fairware with a request for ten dollars. Since Tom can no longer use the money, Mr. Weithofer requested that those who obtain the language PILOT in the future, please send any money to the

MINISTRY to ELDERLY & SICK

Nerinz, KY 40049

and not to the previously listed address of

Harbury Dr.

Frank Neithofer stated that tutorials on Pilot 99 and a program exchange will not be available. Mr. Weithofer appreciates the interest expressed in his son's work.

TEXAS INSTRUMENTS PHONE NUMBERS

 This article appeared in the MAR86 issue of the CH1CAGO TImes. Brian McFeeters

COMPUTER HARDWARE PRICES

Here's a price guide for those of you wanting to buy or sell TI hardware. The low price reflects the lowest price seen for used items and a high price for new items.

ITEM NAME	LOW (\$)	HIGH (\$)
Full height SS drive (bare)	30	60
full height DS drive (bare)	60	100
Half height DS drive (bare)	80	130
Power supply for drive	30	75
TI-99/4A console	40	85
Expansion box (empty)	80	160
32K memory card	45	95
128K memory card	185	210
512K memory card	250	300
RS232 card	50	100
TI disk controller card	20	75
Corcomp controller card	115	185
Myark controller card	150	185
Speech synthesizer	25	50
Monochrome monitor	50	150
Color monitor	100	250
300 baud modem	10	125
1200 baud modem	150	275
Clock card (blows up sometimes)	free	100
· · · · · · · · · · · · · · · · · · ·		
SG-10 printer	200	25 0
Gemini 10X printer	75	175

Croin Miller Tone

The Front Ronger/May

For those who were not at the April club meeting the club made two video topes of Craig Miller's presentation. The tapes have been edited into one tape. Craig demonstrated Gram Kracker, Explorer, Night Mission, and his latest software release, DISKASSEMBLER. He also discussed his new keyboard interface. The tape is about two hours long.

Copies of the tape are now available. For non-members the price is \$15.00 plus \$2.00 for postage and handling. The price for members of the Front Range 99er Computer Club is \$7.50, plus the postage if mailing is required. The tape is an excellent demonstration of Craig's product line and how each one works.

If you are ordering by mail please send your check or money order to:

Front Ronge 99er Computer Club P.O. Box 9572 Colorado Springs, CO. 80932

Please allow two weeks extra for personal checks.

TIPS FROM THE TIGERCUB

#34

Capyright 1986

TIGERCUB SOFTWARE 156 Collingwood Ave. Columbus, OH 43213

Distributed by Tigercub Software to TI-97/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit users groups, with credit to Tigercub Software.

Over 13% original programs in Basic and Extended Basic, available on casette or disk, only \$3.5% each plus \$1.3% per order for PPM. Entertainment, education, programmer's utilities.

Descriptive catalog \$1.5%, deductable from your first order.

Tips from The Tigercub, a full disk containing the complete contents of this newsletter Nos. 1 through 14, 5% original programs and files, just \$15 postpaid.

Tips from the Tigercub Vol. 2, another diskfull, complete contents of Nos. 15 through 24, over@66 files and programs, also just \$15 postpaid. Or, both for \$27 postpaid.

Nuts & Bolts (No. 1), a full disk of 188 Extended Basic utility subprograms in merge format, ready to merge into your own programs. Plus the Tigercub Menuloader, a tutorial on using subprograms, and 5 pages of documentation with an example of the use of each subprogram. All for just \$19.95 postpaid.

Nuts & Bolts No. 2, another full disk of 18B utility subprograms in merge format, all new and fully compatible with the last, and with 18 pages of documentation and examples. Also \$19.95

postpaid, or both Nuts Bolts disks for \$37 postpaid. Tigercub Full, Disk Collections, just \$12 postpaid! Each of these contains either 5 or 6 of my regular \$3 catalog programs, and the remaining disk space has been filled with some of the best public domain programs of the same category. I am NOT selling public domain programs - my own programs on these disks are greatly discounted from their usual price, and the public domain is a FREE bonus! TIGERCUB'S BEST PROGRAMMING TUTOR PROGRAMMER'S UTILITIES BRAIN GAMES **BRAIN TEASERS** BRAIN BUSTERS' MANEUVERING SAMES ACTION GAMES

MANEUVERING GAMES
ACTION GAMES
REFLEX AND CONCENTRATION
TWO-PLAYER GAMES
KID'S GAMES
MORE GAMES
WORD GAMES
ELEMENTARY MATH
MIDDLE/HIGH SCHOOL MATH
VOCABULARY AND READING
MUSICAL EDUCATION
KALEIDOSCOPES AND DISPLAYS

For descriptions of these send a dollar for ey catalog!

While they last, and the supply is limited, I will sell a single Texas Instr. cassette interface cable for \$2.18 with any order for cassette software.

My sincere apologies for a serious goof in the Sort Matcher program in Tips \$33. The 60SUB in line 125 should go to line 1829, not 32767! Also, in line 215 please change the 925 to 935.

Steven Shouse of TIRU6 sent this improvement to the GRAPHPAGE in Tips #33 -188 OPEN #1: "DSV1. GRAPHPAGE" ,OUTPUT :: PRINT #1:TAB(4);R PI\$("_*,75):: FOR J=57 TO 1 STEP -1 :: J\$=STR\$(J)

The 99/4A National Assistance Group (which is a connercial enterprise, not a user's group, although they charge a fee to "join"), sells public domain programs at \$3.85 each - but you can't order individual programs, you have to buy a package deal.

I sell good copyrighted programs, written by myself, for \$3.88, I let you pick and choose, even just one program if you want. I don't pretend to be a user's group (I know that Tigercub often gets misspelled as Tiger Club but I can't help that!), and I don't charge you to "join".

you to "join". The reason for these remarks is that one of the public domain programs sold by that group is listed as SAMARKAND. It may be only an odd coincidence that I wrote random music composer entitled SDNG OF SAMARKAND and put it in public domain because I didn't think it was worth selling. Anyway, if you want it, here it is. 188 CALL CLEAR 119 REM - SONG OF SAMARKAND programmed by Jim Peterson -Version 3 128 RANDOMIZE 138 CALL CHAR(94,"59") 148 CALL CHAR (95, "94") 15# CALL SCREEN(11) 16# PRINT "From the Third Mo vement of": "":" THE NEVER -ENDING SONG": "": " v Emir Abdul Aziz":"":".....

24BDBD3C667E666681\$\$243C\$\$42

18765AA53CC3427E3C81B17E5AE7 669924187E429924JJB181DBC3* 248 DIM N(38), S(21) 251 F=221 266 FOR J=6 TO 36 27# X=X+1+1X=121#12 28# 1F (X=2)+(X=5)+(X=7)+(X= 18) + (X=12) THEN 318 294 Y=Y+1 388 N(Y)=INT(F#1.859463894^J 318 NEXT J 32# CALL HCHAR(1,1,32,32#) 33# CALL VCHAR(1,31,95,96) 341 CALL HCHAR(24,1,95,64) 351 CV=2 369 K=8 378 K=K-INT(5=RND+E)+INT(5=R HD+11+(K>21) #2~(K(1) #2 388 IF (K(1)+(K)21)THEN 378 394 CALL SOUND (-999, N(K), #, N (K) #CV, 1, N(K) #3.75, 31, -4,5) 444 X=[NT(44*RND) 418 IF X>12 THEN 378 428 ON X+1 GOTO 438,498,548, 588,668,738,778,858,878,975, 996,1845,1866 438 IF INT(4=RND)<3 THEN 398 448 FOR T=K TO 28 45# CALL SOUND(-999.N(T).#) 468 NEXT T 475 K=1 488 GOTO 398 495 FOR T=K TO 1 STEP -1 5## CALL SOUND (-999, N(T),#) 515 NEXT T 521 K=T+1 534 60TO 394 548 FOR T=K TO 1 STEP -1 55# CALL SOUND (-777, 3####, 3# ,38888,38,N(T)=3.75,38,-4,8) 561 NEXT T 578 60TO 378 588 FOR TT=K TO K-INT(5@RND+ 1) STEP -1 598 IF TT(2 THEN 375 688 FOR T=1 TO INT(7±RND+3) 618 CALL SOUND (-999, N(TT), 1, N(TT) #2.8) 428 CALL SOUND (-999.N(TT) ±1. \$3,\$,N(TT)#2.\$6,\$) 638 NEXT T 648 NEXT TT 65# 60TO 37# 66# FOR T=K TO K-INT(3#RND+3 678 IF T<2 THEN 378

688 FOR D=8 TO 15 STEP 2

498 CALL SOUND (-999, N(T) #2.D

,N(T)=3,D,N(T)=3.75,38,-4,8}

786 NEXT D 71# NEXT T 729 60TO 378 738 FOR X=1 TO 15 74# CALL SOUND (-999, N(X), #, N (16-x), s, N(1), 3s, -4, 5)754 NEXT X 768 50TO 378 778 FOR Y=K TO K-INT(4#RND+1 784 IF T(2 THEN 378 791 CALL SOUND (151, N(T), 5, N($T) \pm 2, 0, N(T) \pm 3, 75, 30, -4, 5)$ BAA FOR TT=M(T)TO M(T-1)STEP -11 815 CALL SOUND (-999, TT, 5, TT= 2, **1**, TT ±3.75, 31, -4,5) 828 NEXT TT 834 NEXT T 846 60TO 376 85\$ CALL CHAR(32, SE6\${N\$, INT (57*RND+1)*2-1,16)) 864 GOTO 374 87# IF INT(4=RMD) <3 THEN 39# 884 CALL SOUND(-3444,N(K),4, N(K)#2,#,N(K)#3.75,38,-4,#) 994 FOR J=1 TO INT(5±RND+5) 9## S(J)=[NT(21=RND+1) 911 NEXT J 920 CALL SOUND(-1.38888.38) 930 FOR T=1 TO J-1 948 CALL SOUND (-999, N(S(T)). 1, N(S(T))/1.68,1,N(S(T))#3.7 5,31,-4,1) 95# NEXT T 96# 60TO 37# 979 CALL CHAR(95, SE6\$(M\$, INT (57±RND+1) ±2-1,16)) 984 60TO 374 998 IF INT(4*RND)<3 THEN 398 1888 FOR J=228 TO 668 STEP 2 1515 CALL SOUND (-999, J, 5, 885 -J. J.N(12) ±3.75,30,-4,8) 1828 NEXT J 1434 60TO 374 1949 CALL CHAR(32,"9") 1454 60TO 394 1965 CV=CV+(CV=2)/2-(CV=1.5) ¥.5 1474 GOTO 374

If you are trying to exchange newsletters and are using the listings of user groups published by Texas Instruments and by others, you are finding that they are way out of date! Send me a disk and some return

postage - or just send \$1.58 - and I'll send you my address list of about 148 groups I exchange with. It is updated every month from return addresses on newsletters I receive.

For those of us who are still struggling along with one disk drive, this routine will transfer any number of D/VB\$ files, totalling up to about 42 sectors, from one disk to another in one pass, and will optionally save. under changed names.

188 DIM M\$(2\$\$\$),F\$(25),C\$(25):: CALL CLEAR :: T\$=CHR\$(1)

118 DISPLAY AT(8,6): "TIGERCU B FILEMOVER" :: DISPLAY AT(1 5,1): "PRESS ENTER WHEN FINIS HED"

120 F=F+1 :: IF F>25 THEN 13

:: DISPLAY AT(12,1):"FILEN .

AME? DSK"RTS :: ACCEPT AT(12,14)SIZE(-12)BEEP:F\$(F):: IF

F\$(F)<>T\$ THEN 120

13# F=F-1 :: FOR J=! TO F ::
ON ERROR 26# :: OPEN #1: DS
K*&F\$(J), INPUT :: DISPLAY AT
(12,1): *READING *&SEG\$(F\$(J), 3, 255)

148 X=X+1 :: LINPUT '#1:H\$(X) :: C=C+LEN(H\$(X))

138 IF C>18888 THEN DISPLAY AT(28,1): "INSUFFICIENT MEMOR Y FOR "&SEG\$(F\$(J),3,255):: 6010 198

168 IF EOF(1)(>) THEN 148 178 X=X+1 :: M\$(X)=T\$:: CLO SE #1

109 M=N+1 :: NEXT J
199 X=9 :: DISPLAY AT(15,1):
"" :: DISPLAY AT(12,1): "INSE
RT COPY DISK AND PRESS": "ENT
ER"

244 CALL KEY(&,K,ST):: IF ST =8 THEN 246 :: DISPLAY AT(13

218 FOR J=1 TO W :: IF F\$(J) =CHR*(2) THEN 238

=CHR\$(2)THEN 238

228 DISPLAY AT(12,1): "FILENA
ME? DSK"&F\$(J):: ACCEPT AT(1
2,14)SIZE(-12)BEEP:C\$(J)238

MEXT J :: FOR J=1 TO M :: IF
F\$(J)=CHR\$(2)THEN 258 :: OP
EN \$1: "DSK"&C\$(J), OUTPUT ::
DISPLAY AT(12,1): "SAVIN6 "&S

E6\$(C\$(J),3,255)
248 X=X+1 :: IF M\$(X)<>T\$ TH
EN PRINT #1:M\$(X):: 60TO 24#
ELSE CLOSE #1
259 NEXT J :: END
26# ON ERROR STOP :: DISPLAY
AT(22,1): "CANNOT OPEN "%SE6
#1(54(J),3,255):: F#(J)=CHR#(
2):: RETURN 18#

Here is a very ingenious idea published in the Corpus Christi U6 newsletter by H. Macdonald. He could not find the author/newsletter which gave him the idea, so if you know, tell me and I'll print due credit.

I have modified it a bit. This short routine will load quickly and enable you to bypass loading and running the Menu Loader program on a disk when you already know the filename of the program you want to run.

Save the Menu Loader under the filename MENULOADER and save this routine under the filename LOAD - be sure to save it before you try it, because it erases itself!

18% CALL INIT :: CALL LOAD(-318%6,16):: DISPLAY AT(12,1) ERASE ALL: "RUN MENULOADER? (Y/N)"

THEN 114 ELSE IF K=78 THEN 134 ELSE DISPLAY AT(12,1)ERA SE ALL: "LOADING MENULOADER"
:: RUN "DSK1.MENULOADER"
138 CALL CLEAR :: CALL LOAD(-31952,55,215,55,215):: END

Here is one with a bit of a surprise at the end. Key the v,A in line 198 as FCTN V. CTRL comma. CTRL A. 111 CALL CLEAR :: CALL SCREE N(16) 118 DATA 88C8A89\$88445269,88 A492A1CC#,99993366####1824 124 DATA 8482395492543943,48 \$18,18244281423C8888,8F19838 7E1#244#8, J11###FF8####### 130 DATA \$\$\$F13E628221D\$8,8C FB34674A22DC44,814224FF,34DF

2CC641443B88,88F8C86F8447B87 F, \$\$\$\$\$\$\$FF\$1F9\$1F9 145 DATA 88FF888686888686,46 FF98666496666, 88FF183F3F3F3 F3F,#1FF91F9F9F9F9,8486868 186868193,11666611666611FF 158 DATA \$\$6666\$\$666\$4E6.3F 3F3F3F3F3F3F3F,F9F9F9F9F9F 9F9. ########E#1C3AE2, 938#FF. FF11FF, E611FF11171B1817 168 DATA 3F88FF88FF1989FF.F9 #1FF##FFB744FF,1F#9#9#FF319B 175 FOR CH=96 TO 129 :: READ CH\$:: CALL CHAR(CH,CH\$):: NEXT CH 188 DISPLAY AT(1,14) ERASE AL L:"'ab" :: DISPLAY AT(2,13): "cdefg" :: DISPLAY AT(3,14): "hi;" :: DISPLAY AT(4,12):"k 1 впоре" 19# DISPLAY AT(5,12): "rsssst u" :: DISPLAY AT(6,12):"vwww xy2(* :: DISPLAY AT(7,12):*! }}}~v,A* :: DISPLAY AT(9,12) : *TISERCUB* 200 DISPLAY AT(11,12): "SOFTW ARE" :: DISPLAY AT(13,7):*15 6 COLLINGWOOD AVE. :: DISPL AY AT(15.7): " COLUMBUS OH 43 213" :: CALL HIGHCHAR 214 50TO 214 22# SUB HIGHCHAR :: FOR CH=3 2 TO 129 :: CALL CHARPATICH, CH\$):: X\$=SE6\$(CH\$,3,12)&SE6

Thanks to Ramon Martinez in the Orange County US news letter — a double MEXT is accepted if the pre-scan is turned off.

\$(CH\$, 13, 4):: CALL CHAR(CH, X

\$):: HEXT CH :: SUBEND

168 J=1 116 !&P-128 FOR J=1 TO 188 :: IF J/1 0<>INT(J/18)THEN MEXT J ELSE PRINT J :: NEXT J

A computer without a program is like a car without gas. If everyone who filled up at a self-service pump drove away without paying, how soon would all the gas stations be closed?

MEMORY FULL!

Jim Peterson

TIPS FROM THE TIBERCUB

135

Copyright 1986

TIGERCUB SOFTWARE 156 Collingwood Ave. Columbus, DH 43213

Distributed by Tigercub Software to TI-99/4A Users 6roups for propotional purposes and in exchange for their newsletters. May be reprinted by non-profit users groups, with credit to Tigercub Software.

Over 130 original programs in Basic and Extended Basic, available on casette or disk, only \$3.00 each plus \$1.50 per order for PPM. Entertainment, education. programmer's utilities. Descriptive catalog \$1.88. deductable from your first order.

Tips from The Tigercub, a full disk containing the complete contents of this newsletter Nos. 1 through 14, 5% original programs and files, just \$15 postpaid. Tips from the Tigercub Vol. another diskfull, complete contents of Nos. 15 through 24, over 69 files and programs, also just \$15 postpaid. Or, both for \$27 postpaid.

Nuts & Bolts (No. 1), a full disk of 100 Extended Basic utility subprograms in marge format, ready to merge into your own programs. Plus the Tigercub Menuloader, a tutorial on using subprograms, and 5 pages of documentation with an example of the use of each subprogram. All for just \$19.95 postpaid.

Nuts & Bolts No. 2, another full disk of 158 utility subprograms in merge format, all new and fully compatible with the last, and with 18 pages of documentation and examples. Also \$19.95 postpaid, or both Nuts Bolts disks for \$37 postpaid. Tigercub Full Disk Collections, just \$12 postpaid! Each of these contains either 5 or 6 of my regular \$3 catalog programs, and the remaining disk space has been filled with some of the best public domain programs of the same category. I am NOT selling public domain programs - my own programs on these disks are greatly discounted from their usual price, and the public domain is a FREE bonus! TIGERCUB'S BEST PROGRAMMING TUTOR PROGRAMMER'S UTILITIES BRAIN GAMES BRAIN TEASERS BRAIN BUSTERS! MANEUVERING GAMES **ACTION GAMES** REFLEX AND CONCENTRATION TWO-PLAYER SAMES KID'S GAMES MORE GAMES MORD GAMES **ELEMENTARY MATH** MIDDLE/HIGH SCHOOL MATH VOCABULARY AND READING MUSICAL EDUCATION KALEIDOSCOPES AND DISPLAYS send a dollar for

For descriptions of these catalog!

The April Micropendium had

a rather slow routine to count the number of words in a D/V text file. I think the following will be auch faster. It ignores any lines beginning with a period (TI-Writer formatter commands), otherwise counts each cluster of characters followed by a space, plus the last cluster on the line. 19 !WORDCOUNT by Jim Peterso 188 DISPLAY AT(12,1) ERASE AL L: "INPUT FILENAME? DSK" :: A CCEPT AT(12,28):F\$:: OPEN # 1: "DSK"&F&. INPUT 118 A=1 :: LINPUT #1:M\$:: I F ASC(M\$)=46 THEN 13#

128 X=POS(Ns, " ", A):: IF X=8 THEN 138 :: IF X=A THEN A=X +1 :: 60TO 12# ELSE F=1 :: C =C+1 :: A=X+1 :: 50T0 125 134 C=C+F :: F=# :: IF EOF())<>1 THEN 118 :: CLOSE #1 :: DISPLAY AT (12, 1) ERASE ALL: * APPROXIMATELY "LSTR#(C)&" NO

Have you tried those black write-protect tabs, made of a material similar electrical tape? They do not dog-eared become bumping against the drive slot, and do not leave the disk sticky when you remove them.

188 !TIGERCUB GRAPHPRINT by

Jia Peterson

118 !Will output to printer a line graph of 31 items of data, as for instance the temperature for each day of a month 12# !Values must be positive integers within a range of 75 from minimum to maximum 13# M\$=RPT\$("1_",65):: DIN T \$(31).D\$(75):: MN=1888 149 DISPLAY AT(12,1) ERASE AL L:"Input data - maximum 31": "items. Enter to finish" 158 FOR X=1 TO 31 :: DISPLAY AT(14,1):X;TAB(4);CHR\$(1):: ACCEPT AT (14,4) VALIDATE (DIG IT) SIZE (-5) BEEP: T#(X):: IF T \$(X)=CHR\$(1)THEN X=X-1 :: 60 TO 174 169 T=VAL(T\$(X)):: MX=MAX(MX .T):: MN=MIN(MN,T):: NEXT X 178 RN=MX-MN :: IF RN>75 THE N PRINT "EXCEEDS MAXIMUM RAN 6E OF 75" :: STOP 185 IF MX>75 THEN AD=HX-75 198 OPEN #1: "PIO", VARIABLE 1 32 :: PRINT #1: CHR\$(15); CHR\$ (27); CHR\$ (51); CHR\$ (12):: PRI NT #1:RPT#("_",132) 288 DISPLAY AT(12,1)ERASE AL L: Wait, please...": : "..... .this takes time" 215 LM-LEN(STR#(MX)): FOR J =1 TO 75 :: J\$=STR\$(76+AD-J) 22# IF J>66+AD THEN J#=J##* 23# IF J/2=INT(J/2)THEN D4(J)=RPT4(" ",LH)&SE6\$(H\$,1,132 -LM)ELSE D\$(J)=J\$&SE6\$(M\$,1, 132-LN). 246 NEXT J :: PRINT #1:RPT&(" ",LM)&SEG\$(H\$,1,132-LM) 25# J=1 :: T=VAL(T\$(J))-AD : : T=76-T :: D\$(T) *SE6\$(D\$(T) .1.J#4+4)&CHR\$(239)&SEG\$(D\$(T), J=4+6, 255):: J=J+1 260 T2=T :: T=VAL(T\$(J))-AD :: T=76-T :: FOR N=T2 TO T S TEP (T2)T)+ABS(T)=T2):: D\$(N)=SE6\$(D\$(N),1,J=4+2)&CHR\$(2 53+(T(T2))&SEG\$(D\$(N),J=4+4. 255):: NEXT N 27# J=J+1 :: D\$(T)=SE6\$(D\$(T).1.J±4)&CHR\$(239)&SEG\$(D\$(T),J#4+2,255):: IF J<=X THEN 289 FOR J=1 TO 75 :: PRINT # 1:D\$(J):: NEXT J :: PRINT #1 294 T=8 :: FOR J=1 TO 31 :: PRINT #1:TAB(T):STR#(J)::: T =1+4 :: NEXT J

When you are analyzing an Extended Basic program, or modifying it, it is often easier to work with singlestatement lines. This program will break all multistatement lines into singlestatement lines, except when they are followed by IF or ELSE. When you are finished modifying, a Compactor or Seash program can be used to compact it again. 188 !DECOMPACTER by Jim Pete 118 DISPLAY AT(3,5) ERASE ALL :"TIGERCUB DECOMPACTER": :" Program must first be -*: :* RES 188,188": : "SAVE DSK(fil ename).MERSE* 120 DISPLAY AT(12.1): "INPUT FILENAME?": "DSK" :: ACCEPT A T(13,4):1F\$ 13# DISPLAY AT(12.1) ERASE AL L: "OUTPUT FILENAME?": "DSK" : : ACCEPT AT(13,4):OF\$ 148 DPEN #1: DSK"&IF4, INPUT .VARIABLE 163 :: OPEN #2: "DS K"LOF4, DUTPUT, VARIABLE 163: : LN=188 15# LINPUT #1:H4 1: P=POS(H4 .CHR\$(13#).3):: IF P=# THEN PRINT #2:86 :: 60TO 275 168 A\$=SE6\$ (M\$.1.P-1):: IF P DS(A4,CHR\$(129),1)<># OR POS (A\$,CHR\$(132),1)<># THEN PRI

NT 92:M\$:: 60TO 27# 178 PRINT #2: AS&CHR\$ (5) 185 AN=LN+1 :: 60SUB 285 19# M\$=SE6\$ (M\$, P+1, 255) 255 P=POS(M\$,CHR\$(138).1) 218 IF P-S THEN PRINT #2:LN\$ RM\$:: 60TD 278 228 A\$=SE6\$(M\$,1,P-1) 23# IF POS(A\$,CHR\$(129),1)() # DR POS(A\$,CHR\$(132),1)<># THEN PRINT #2:LNS&M\$:: 60TO 248 PRINT #2:LN#&A\$&CHR\$(8) 25# AN=AN+1 :: 60SUB 28# 268 60TO 198 278 LN=LN+188 :: IF EOF(1)<> 1 THEN 15# ELSE CLOSE #1 :: CLOSE #2 :: END 28# LNS=CHR\$(INT(AN/256))&CH R\$ (AN-256#INT (AN/256)):: RET HEN

I still think of the TI as a HOME computer, and I still think that the home computer is an invaluable educational tool - but I guess not many folks agree with me. I had thought of writing full disks of a progressive series of lessons on one subject, but my present two full disks of math education have sold a combined total of 7 copies in 7 months, so that would obviously be a waste of time.

I had written this next program for that purpose and I quess it's no use wasting it. so -188 CALL CLEAR :: CALL TITLE (5, "TAKE AWAY")!by Jim Peter san 118 DISPLAY AT(3,18): "COPYRI GHT": TAB (14); "TISERCUB SOFTW ARE": TAB(14): "FOR FREE": TAB(12); " DISTRIBUTION": TAB(11); "SALE PROHIBITED" 12# CALL PEEK (-28672, A@):: I F A8=4 THEN 15# 134 DATA FINE, NO, 600D, UHOH, R IGHT, TRY AGAIN, YES, THAT IS N OT RIGHT 148 FOR J=1 TO 4 :: READ RIG HTS(J), WRON6S(J):: NEXT J 150 FOR D=1 TO 1444 :: NEXT D :: CALL DELSPRITE(ALL) 168 CALL CLEAR :: CALL CHAR(95, "FFFF"):: CALL MAGNIFY(2)

:: RANDOMIZE :: CALL SCREEN(14):: FOR SET=5 TO 8 :: CALL COLOR(SET, 16, 1):: MEXT SET 178 CALL CHAR(128, "E78842881 B447E8888E788424899423CE7884 28899423C88E7884218883C4288* 180 CALL CHAR (124, "SESSSASIS 4474864764624844E41444*) 198 DISPLAY AT (3, 18): "TAKE A WAY" :: CALL CHAMELEON 288 CALL COLOR(14,2,2):: CAL L HCHAR (4, 4, 143, 2):: CALL HC HAR (5,4,143,2):: CALL SPRITE (025, 124, 11, 25, 25) 218 T=T+1 :: N=1-(T>5)-(T>15):: G=18-(T>5)#88-(T>15)#B18 :: H=S-(T>5)#1S-(T>15)#9B 226 X=INT(G=RND+H):: Y=INT(6 #RND+H):: IF Y>X THEN TT=X: : X=Y :: Y=TT 238 IF X=X2 OR Y=Y2 THEN 228 :: X2=X :: Y2=Y :: 1=X-Y 248 GOSUB 258 :: GOTO 218 258 GOSUB 268 :: GOSUB 288 : : 60SU9 318 :: FOR D=1 TO 28 # :: NEXT D :: CALL DELSPRIT E(ALL):: DISPLAY AT(18,1):: CALL CHAMELEON :: CALL SPRIT E(#25,124,11,25,25):: RETURN 268 FOR J=1 TO LEN(STR\$(X)): : :: A(J) = VAL(SE6 * (STR * (X), J .1)):: NEXT J :: FOR J=1 TO LEN(STR\$(Y)):: B(J)=VAL(SEG\$ (STR4(Y), J, 1)):: NEIT J 278 FOR J=1 TO LEN(STR\$(Z)): : C(J)=VAL(SEB\$(STR\$(2),J,1)):: NEXT J :: W=LEN(STR\$(Z)) -LEN(STR\$(X)):: RETURN 286 R=96 :: CC=96 :: FOR J=1 TO N :: CALL SPRITE(#J,48+A (J),11,R,CC):: CC=CC+16 :: N 298 R=116 :: CC=96 :: FOR J= 1 TO N :: CALL SPRITE(#4+J,4 8+B(J),11,R,CC):: CC=CC+16: : NEXT J 386 CALL HCHAR(18,12,95,N#3) :: CC=CC-16 :: RETURN 318 R=148 :: FOR J=LEN(STR\$(Z))TO 1 STEP -1 :: IF LEN(ST R\$(X))=1 THEN M=CC :: 60TO 3 324 FOR M=CC TO CC+8 :: CALL LOCATE (#J-W, 96, M, #J+4-W, 116 M):: NEXT H 338 IF A(J-W)>=B(J-W)THEN 36 # :: CALL SPRITE(#28,49,16,9 6, H-9)

348 IF F3=1 THEN 368 :: F1=1

1: F2=1 :: A(J-W-Z)=A(J-W-2 35# CALL SPRITE (#22,48+A(J-W -1),16,98,H-24):: IF F2=1 TH EN CALL SPRITE (#21,48+A(J-N-2).16.81.M-41) 36# CALL SPRITE (#27.45.16.11 6,M-12) 37# CALL SPRITE (#2#,63,11,R, 381 CALL KEY(3,K,ST):: IF ST (1 DR K(48 DR K)57 THEN CALL PATTERN(#28,32):: CALL PATT ERN(#25,63):: 60TO 385 39# CALL DELSPRITE(#2#,#28): : CALL SPRITE(#12+J,K,11,R,H 488 IF K-48(>C(J)THEN GOSUB 450 :: CALL DELSPRITE(#12+J) 11 F3=1 12 60TO 330 418 CALL DELSPRITE(#27):: IF F1=1 THEN 428 ELSE [F F2=1 THEN 438 ELSE 448 429 F1=9 :: CALL DELSPRITE(# J-W-1):: FOR P=88 TO 96 :: C ALL LOCATE(#22.P.M-24):: NEX T P :: CALL SPRITE(#J-W-1,48 +A(J-W-1), 16, 96, M-24):: CALL DELSPRITE (#22):: 60TD 449 438 F2=8 :: CALL DELSPRITE(# J-1-W):: FOR P=84 TO 96 II C ALL LOCATE(#21,P,M-24):: NEX T P :: CALL SPRITE(#J-1-W,48 +A(J-1-W),16,96,M-24):: CALL DELSPRITE (#21) 449 CC=CC-16 :: NEXT J :: 60 SUB 488 :: F3=8 :: RETURN 459 DATA 123,124,125,123,124 ,125,123,128 468 IF ARES THEN 478 :: CALL SAY(WRONG\$(INT(RND#4+1))) 478 RESTORE 458 :: FOR JJ=1 TO B :: READ P :: CALL PATTE RN(#25.P):: XX=2^25# :: NEXT JJ :: RETURN 48# DATA 121,122,121,122,121 498 IF AR=8 THEN 588 :: CALL SAY(RIGHT\$(INT(4#RND+1))) 5## RESTORE 40# :: FOR JJ=1 TO 6 :: READ P :: CALL PATTE RN(#25.P):: XX=2^25# :: NEXT JJ :: RETURN 514 SUB CHAMELEON 528 MS=*1888665AC342DB667E18 8141995AC3A5E78142BD24DB66#6 B1429924887E5AC3A53C241B88FF DB5AFF7EFF##991881##66##18"

:: A(J-W-1)=A(J-W-1)-1 :: I

F A(J-W-1) (# THEN A(J-W-1)=9

538 RANDOMIZE :: CALL CHAR(1 28, SE6\$ (M\$, INT (43#RMD+1)#2-1 ,16)):: X=INT(14=RND+3) 548 Y=INT(14#RND+3):: IF Y=X THEN 548 :: CALL COLDR(13,X ,Υ) 55# CALL HCHAR(1,2,128,3#):: CALL HCHAR(24,2,128,31):: C ALL VCHAR(1,31,128,96):: SUB 568 SUB TITLE (S.TS) 574 CALL SCREEN(S):: L=LENIT \$):: CALL MAGNIFY(2) 588 FOR J=1 TO L :: CALL SPR ITE (#J, ASC (SE6\$ (T\$, J, 1)), J+1 -(J+1=S)+(J+1=S+13)+(J>14)*1 3,J=(175/L),15+J=(288/L)):: NEXT J 594 SUBEND

When you give your printer instructions, it remembers them until you turn it off. That is why you may find that your letter to Aunt Sally is being printed in double width underlined italics. The solution is found in another gobbledegook paragraph in the Gemini manual — "when (ESC "e") is sent to the printer, the conditions of the printer are initialized."

In plain English.

OPEN 41: *PlO* :: PRINT *1:C

HR\$(27); *8* in your progras

or CTRL U, FCTN R, CTRL U,

SHIFT 2 at the beginning of

your TI-Writer text will

cancel out any special

orders the printer is still

remembering and return it to

its default conditions.

Here's a bright idea by Scott King in the AVTI U6 newsletter. When you load a program in order to modify it, put a reminder of its filename in the first line, such as 1! SAVE DSK1.NAME. Then, when you are ready to save it, just list line 1, FCTN 8, use the space bar to grase the 1!, and Enter.

MEMORY FULL!

Jim Peterson

HOOSIER USERS GROUF DIRECTORY

OFFICERS

President.....Steve Sims 631-7255 Vice-President...Bill Lucid 291-3995 Secretary.....Greg Larson 783-4575

Treasurer.....Bill Jones

COMMITTEE CHAIRPERSONS

Regional Centers: South......Dennis Sherfy 881-5918 West Indiana..Vic Kelson 812-234-5533

Documents......Don Donlan 882-4544

Membership...... OPEN
Newsletter..... OPEN

MONTHLY MEETING LOCATION

St. Ann's School 2839 S. McClure Indianapolis, IN

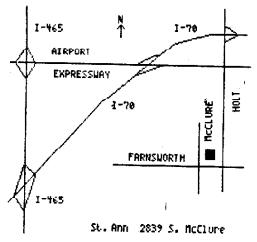
Meetings open at 2:00 PM

NEWSLETTER EXCHANGE

The Hoosier Users is participating in a Newsletter Exchange program with other TI Users Groups. This offer is made with the understanding that, with proper credit, your Users Group can reprint articles from the Hoosier Users Group Newsletter, and with proper credit, we can reprint articles from other TI Users Groups Newsletters.

PRINTOUTS

Library listings can be ordered for \$.25 & a 6x9 self addressed envelope with \$.66 postage. The HUGbbs Reference Guide can be ordered for \$.50 and a 4x9 self addressed envelope with \$.22 postage. Please send orders to our P.O. Box. SORRY, PRINTOUTS WILL BE SENT TO ACTIVE MEMBERS ONLY!



HUGBES INFORMATION

317-631-994A

The HUGbbs operates on a 24 hour basis.

SPONSOR THE HUGbbs: Any member 20 business can sponsor the HUGbbs. For a \$5.88 donation, you get 5 (40 column) lines on the Log-On Title Screen for a week (or for a \$10.00 donation, you get 10 (40 column) lines) plus a 24 line by 48 character ad in the Sales option of the File Module. To sponsor the HUGbbs. send a check or money order to our P.O. Box (or turn in at our Monthly Meeting) specifying how many weeks (and how many lines) you want to sponsor, your name (or company name), address, phone, what you want to say, and the week (and an alternate week) you want the ad to appear.*

BACK ISSUES

Back Issues purchased at the monthly meeting is \$1.88 each. Mail order price is \$1.58 per Newsletter (postage included). Orders will be filled within 3 weeks of receipt by the Documents Committee.

ACUERTICING POLICIES

There will be no charge for advertisements submitted to the HUGger Newsletter by members (for private sale only). Format for the advertisements is 45 characters wide by 10 lines long. The Ad should be typed or hand printed exactly how it is to appear in the Newsletter. Deadline for an ad to appear in next month's Newsletter is the 2nd Saturday of the month.*

For companies who wish to advertise in the HUGger Newsletter, our rates are as follows:

Pre-Printed Inserts (one page) \$28.88

One Full Page (one sided) Ad: \$25.00

One Half Page Ad: \$13.08

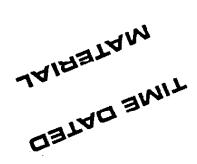
One Quarter Page Ad: \$7.00

All ads must be in a ready to print condition. Advertisements must be in our P.O. Box before the 2nd Saturday of the month to appear in the following month's Newsletter.*

*NOTE: The Officers of the Hoosier Users Group reserve final approval on all advertisements submitted for the HUGger Newsletter and the HUGbbs . The Officers and the Newsletter committee are responsible for not typographical errors. due to advertisements. All proceeds are accepted as donations to the Hoosier Users Group.

Dan Eicher 4410 Cardinal Drive Indianapolis, IN 46237

B0/29 68/28



Bulk Rate U.S. Postage PAID Indianapolis, IN Permit No. 6440 esenbbA bne gnibnewno? beteeupeR noitoennoO

HOOSIER USERS GROUP P.O. Box 2222 Indianapolis, IN 46206–2222



APPLICATION FOR MEMBERSHIP

Below you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, up and download on the HUGbbs, attendance and voting rights at regular club meetings, access to the HUGger Library of Programs, special club activities and special guest speakers for one year. Subscribing members will receive the NEWSLETTER only.

Make check or money order payable to Hoosier Users Group. Send completed application to:

HOOSIER USERS GROUP P.O. Box 2222 Indianapolis, IN 46206-2222

	(Cut on dotted line)		
Check One: Active Member	Name:	Today's Date:	
New: \$20 Renewal: 15	Address:		
Subscribing Member	1		
New: \$10 Renewal: 7.50	City:	State:	Zip:
Amount Enclosed: \$	Phone: ()	·	
# D S O	Interests/Comments:		