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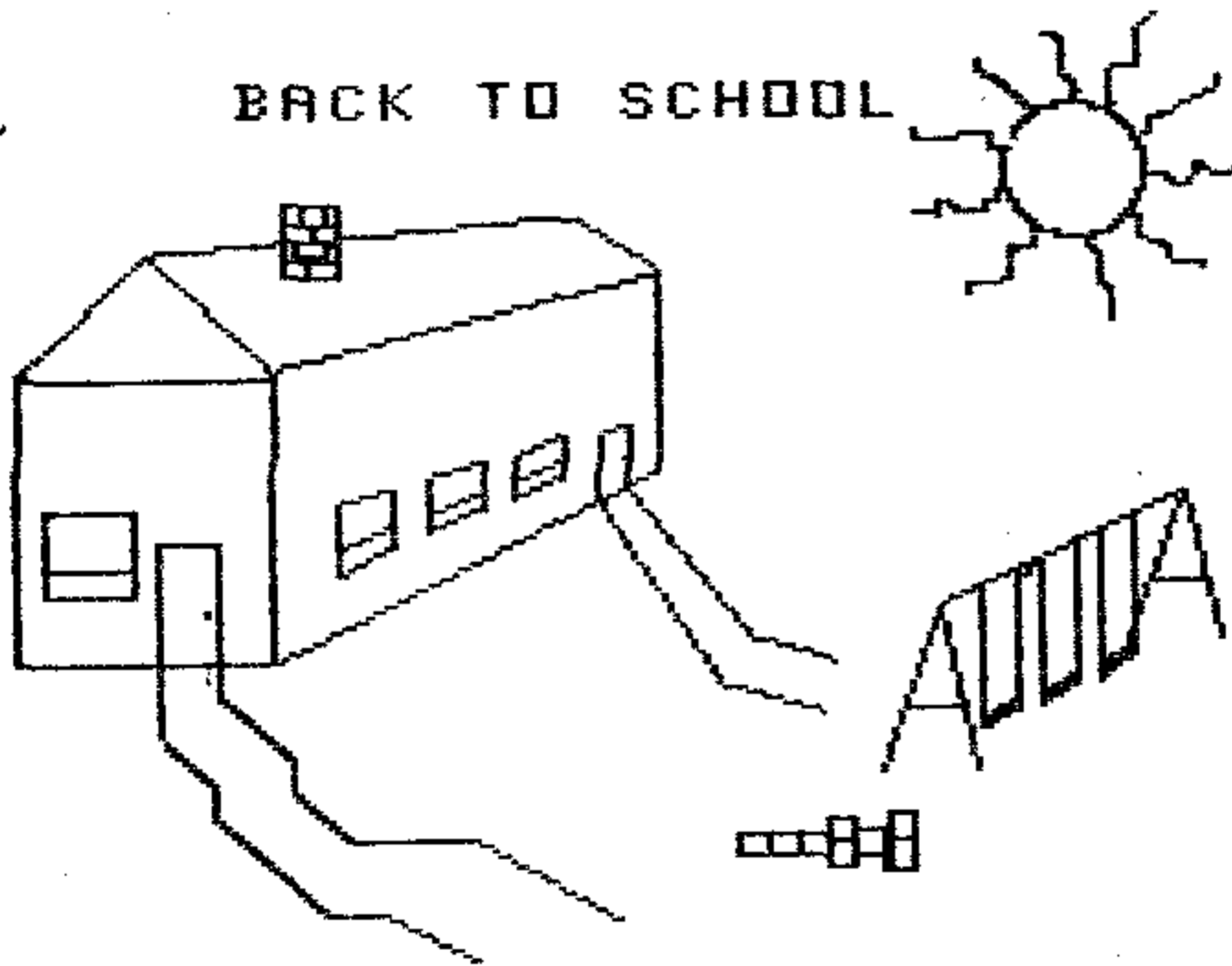
```

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Mass Users of the Ninety nine and Computer Hobbyists

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September 1985 Monthly Newsletter Version 4.9



This drawing was done using the Australian program GRAPHX. My art aptitude does not do this program justice. See the review inside this issue.

Bruce Willard

August 20, 1985

The meeting was called to order by Bruce Willard. 33 members were present.  
SECRETARYS REPORT. The report was approved as published in the newsletter.  
TREASURERS REPORT. The bank balance is \$82.00. There was one new member enrolled and one renewal. The printing costs for the newsletter was \$82.00. The printing costs have been increased.

LIBRARY Al Cecchini was unable to bring in the material this month. The raffle tickets were available. The total realized from the raffle was \$44.00

HARDWARE Bernie Miller was not present to give this report.

TEXTWARE Jack Sughrue encouraged members to subscribe to the good publications that still support the TI 99/4A. He will submit the addresses and forms at next months meeting for MICROPEDDIUM which has a subscription price of \$15.00. SUPER 99 MONTHLY also \$15.00 and MINI MAG 99 from TEX COMP for \$20.00. He also mentioned HOME COMPUTER MAGAZINE which still supports the TI-99/4A. The user groups are becoming conglomerates so with fewer sources there will be less materials for TI owners if these groups are not supported.

Chris Babbin of ASGUARD SOFTWARE is a member of MUNCH and members can obtain software from Jack at a membership discount.

The DC USERS GROUP has a new series of disks from foreign countries that have been translated. Al Cecchini donated the \$7.92 for the cost and mailing of these disks for the club library.

Jack has also compiled 4 full disks from the BEST OF 99'er for the library.

OLD BUSINESS There is nothing new concerning the TI compatible computer.

The MUNCH constitution is still available for members.

NEW BUSINESS Mike Miller is involved with the generic raffle which is still in the planning stages. The Nominating committee for the upcoming elections will be chaired by Jack Sughrue. There was much discussion about ways to increase our finances to offset the the rising costs of the newsletter and monitor rental charges. Some suggestions: 1. Increase the dues. 2. Do not mail the newsletters but have members pick them up at the meetings to save on postage. 3. Publish fewer newsletters every month.

4. Shorten the newsletters to 4 pages.

5. Do not purchase anymore hardware or software for the club but have members bring in the equipment needed.

6. Obtain the already programmed software from Don Mason.

7. Submit suggestions for increasing funds at the next meeting.

8. Hector Boudreau has volunteered to formulate a questionnaire to former members to find out why they no longer are members of MUNCH.

VIDEO CONNECTION has donated some items to the club and members were invited to take these home and if they are usable they can donate to the club.

The meeting adjourned at 8:05 PM.

Jack Sughrue demonstrated the DISK MANAGER III from QUALITY 99 SOFTWARE. This is a disk program that is run in Extended BASIC which can remove a file and not lose a program while operating.

Respectfully Submitted,

## PRESIDENT'S MESSAGE

MUNCH was chosen by Navarone Industries, Inc. as one of the select User Groups to demonstrate their software. We will be required to demo their software at the next monthly meeting after we receive it. Within five days after the meeting we must return a completed evaluation form. If we do everything right, we will be able to keep the software and raffle it to generate funds for the Group.

What a great opportunity. We will be able to see and use software before we buy it. That is unheard of in the industry. How many times have you bought a program, only to find that it really wasn't what you wanted? I find this to be a very progressive company in their ideas and marketing.

According to a letter from Navarone, there already has been SOFTWARE PIRACY of their product. I believe we have an honest group. I don't expect that will happen here. However, just to let you know what will happen if PIRACY is shown to be in a group, here is an excerpt from the letter. "If we find that members of your group are responsible for pirating our software products I won't hesitate to drop your group from the HYWAY program and I will personally expose that group to other companies considering this marketing approach."

If this marketing approach works for them, then other companies might try the same thing. Wouldn't that be great???

In this newsletter you will find a review of GRAPHX, Australia's graphics program. Since next month's demo will be of Navarone's PAINT 'N' PRINT graphics, maybe we could demo GRAPHX in November. Give me a call at home or tell me at the meeting if you want that demo or something else at the November meeting. I try to vary the content of each meeting to keep peak interest. Just let me know your needs and I will try my best to provide. Just for examples we could have basic, x-basic, assembly, or LOGO programming. We could have training on "canned" software.

While perusing through newsletters from across the continent, I noticed some decrease in memberships. I also noticed that some other groups are combining to form a stronger single group. If you hear of a group locally that may be ready to dissolve, let's see if they would like to merge or join us. We still have a good sized and strong group and could provide newcomers with whatever they need.

Speaking of decreases in membership, we have not been free from this either. We've been showing a little downturn. Because of that decrease we are going to have to make some very tough decisions at the September meeting to cut expenses. Our largest expense is the newsletter. The next two largest expenses are the newsletter postage and monitor rental. Beyond that

everything else seems minute. Be prepared to vote on necessary cut-backs. By the way, I would like to thank all of you who dug a little deeper at the August meeting for the raffle. Because of that we took in \$44.00 for the raffle. Thanks again.

Thanks are also in order for Pat and Dave Anderson. Due to personal reasons they will not be able to help out on the newsletter anymore. They were one of the first ones to jump in and help out on the newsletter staff when I came in as President, and they had done a great job ever since. Thanks for all your help.

Now we need more volunteers to help out with the paste-up of the newsletter. It would require about three hours of your time one day a month. Please give me a call at 852-3250 or see me at the meeting.

My scratchpad is full now. I hope to have a big turnout for the September meeting to see the demo. See you there...

----- Bruce Willard, Pres. -----

\*\*\*\*\*  
TEX-COMP DEVELOPMENTS

MICROpendium/June 1985

A new TI-compatible computer, the TC-99/9, and a new line of peripherals for the TI99/4A have been announced by Tex-Comp Users Supply Company of Granada Hills, California.

Development of the peripherals and computer has been done in secret "to avoid premature spreadings of rumors that can become distorted," said Jerry Price of Tex-Comp, graduate engineer who directed the design development project.

The TC-99/9 is basically the TC-3 128K configuration with a modified 40/80 column TI processor board added and designed to accept the new Wico smart keyboard which has a 10-key pad and built-in trackball. TC-99/9 is a 128K fully compatible TI computer which produced in small commercial runs should retail in the \$1300-\$1500 range, fully configured with a color monitor.

In displaying this new line of products, "Tex-Comp makes no bones about the fact that TC-3 and TC99/9 products make little or no sense for the typical TI99/4A user," said Price. "A 128K or greater memory for the 99/4A will be of virtually no use to the average user since none of the presently existing TI software can use or access it.

The above excerpt is included in this months MUNCH for information only.

" - - - RAFFLE - - - RAFFLE - - - "

The raffle prize for September is the Texas Instruments Tax/Investment Record Keeping donated by Don & Larry Howard. Again, this was donated to help offset the rental of the monitors. They also donated three other items, which we will see in later raffles.

I am very sorry that I did not get the name of the young man who was the winner of the August raffle of the C-30 cassettes. Congratulations to you anyway. Please introduce yourself to me at the next meeting.

Just as a reminder to all members, these raffles are to generate enough funds to operate our club. Lately, we have almost covered the monitor expenses. Notice, I said **ALMOST**. More active members is what we need. Or, monetary donations will also be accepted. Suggestions of other ways to generate funds for M.U.N.C.H. will joyously be accepted.

The raffle is open to all who attend. The drawing will be held immediately after the business meeting before we break into the various Special Interest Groups. Remember:

\*\*\*\*\* YOU MUST BE PRESENT TO WIN \*\*\*\*\*

Bruce Willard, Pres.

**MUNCH OFFICERS AND NUMBERS (all in 617 area)**

---

President	Bruce Willard	852-3250
Vice Presidents	Ota Jiroutek	852-0835
	John Doon	852-4295
Secretary	V. Foster-Erlandson	481-8060
Treasurer	Jim Cox	869-2704
Editor	Pete Blackford	892-4946
Hardware Chair	Bernie Miller	
Programs Chair	Pete Rauptis	799-6035
Adv Prog. Chair	Dan Rogers	248-5502
Club Reviewer	Jack Sughrue	476-7630
Library	Al & Lisa Cecchini	
Software Library	Don Mason	754-6630
Mail & Messages	Video Connection	852-8213

# TINY WORD PROCESSOR

by Tony Falco

The short program that is listed below is a genuine word processing program. It is just real tiny in many ways. It does things that the big guys do, but it does them in a small way. With it you can write a document on your screen using its full screen editing feature. You can clear its memory. You can insert and delete either individual characters or whole lines. You can save "documents" to disk or you can load old files. It uses a 28 column format. Your "documents" have to be 24 lines long. It is designed for the GEMINI 10X, but it should work on any printer using EPSON MX80 control codes.

It is tiny in another way. It prints very small characters. Smaller than the compressed mode! Below is a printout of the directions made with the program as a demo. You might practice using the program by entering and saving those directions. If the print is too fine you can do small things in big way by deleting lines 370 and 380 and replacing line 200 with the following.

```
200 PRINT #1:CHR$(27);CHR$(71);CHR$(27);
CHR$(69):: FOR X=1 TO 24 :: DISPLAY AT(X
,1):L$(X):: PRINT #1:CHR$(14);L$(X):: NE
XT X :: R=1 :: RETURN
```

## \*\*\*TINY WORD PROCESSOR\*\*\*

- USE DELETE, INSERT, ERASE AND ARROW KEYS AS ALWAYS.
- A BLUE BORDER MEANS YOU ARE TO PRESS A KEY: <enter>, UP ARROW, DOWN ARROW, ctrl(4), ctrl(9), ctrl(D) or ctrl(I)
- UP ARROW MOVES UP A LINE.
- DOWN ARROW OR <enter> MOVES THE CURSOR DOWN A LINE.
- ctrl(4) CLEARS THE SCREEN.
- ctrl(9) SHOWS YOUR OPTIONS.
- ctrl(D) DELETES THE LINE.
- ctrl(I) INSERTS A LINE.
- IF <enter> IS PRESSED WITH THE CURSOR ON THE LAST LINE THEN THE MENU IS DISPLAYED.
- Remember-->TO SET A BLUE BORDER PRESS <enter> OR THE UP AND DOWN ARROW KEYS. THIS ACTIVATES ctrl KEYS.

----TURN ON YOUR PRINTER----

```
100 !-----$110 to 180 edits screen*-----
110 DIM L$(24):: R=1 :: CALL CLEAR :: CA
LL COLOR(0,7,1):: FOR X=1 TO 14 :: CALL
COLOR(X,2,16):: NEXT X
120 CALL SCREEN(16):: ACCEPT AT(R,1)SIZE
(-28):L$(R)
130 CALL SCREEN(5)
140 CALL GCHAR(R,3,H):: CALL HCHAR(R,3,3
0):: CALL KEY(0,K,S):: CALL HCHAR(R,3,H)
150 IF S=0 THEN 130 ELSE IF K=13 AND R=2
4 OR K=159 THEN GOSUB 290 :: GOTO 120
```

```

160 R=R-(K=10)-(K=13)+(K=11):: IF R>24 T
HEN R=1 ELSE IF R<1 THEN R=24
170 IF K=137 THEN 390 ELSE IF K=132 THEN
400 ELSE IF K<>180 THEN 120
180 FOR X=1 TO 24 :: L$(X)=" " :: NEXT X
:: CALL CLEAR :: R=1 :: GOTO 120 :: !-cl
ear memory & screen!
190 !-----*print screen*-----
200 GOSUB 370 :: FOR X=1 TO 24 :: DISPLA
Y AT(X,1):L$(X):: PRINT #1:L$(X):: NEXT
X :: R=1 :: RETURN
210 !-----*save screen*-----
220 GOSUB 360 :: OPEN #2:"DSK1."&FN$,INT
ERNAL,OUTPUT
230 FOR X=1 TO 24 :: PRINT #2:L$(X):: NE
XT X :: CLOSE #2 :: GOTO 330
240 !-----*load old screen*-----
250 GOSUB 360 :: OPEN #2:"DSK1."&FN$,INT
ERNAL,INPUT
260 FOR X=1 TO 24 :: INPUT #2:L$(X):: NE
XT X :: CLOSE #2 :: GOTO 330
270 DATA 1-PRINT,2-RETURN TO EDIT,3-SAVE
TO DISK,4-LOAD OLD FILE,5-END SESSION
280 !-----*menu*-----
290 CALL CLEAR :: FOR T=1 TO 5 :: READ A
$ :: DISPLAY AT(2*T+3,8):A$ :: NEXT T ::
DISPLAY AT(2,6):"PICK ONE:"
300 CALL KEY(O,K,S):: IF S=0 THEN 300
310 IF K<49 OR K>53 THEN CALL SOUND(50,4
40,4):: GOTO 300
320 CALL CLEAR :: OPEN #1:"PIO" :: ON K-
48 GOSUB 200,330,220,250,350 :: CLOSE #1
:: RESTORE :: RETURN
330 FOR X=1 TO 24 :: DISPLAY AT(X,1):L$(
X):: NEXT X :: R=1 :: RESTORE
340 CLOSE #1 :: GOTO 120
350 CLOSE #1 :: CALL CLEAR :: END
360 DISPLAY AT(24,1):"FILE NAME? ":FN$ :
: ACCEPT AT(24,12)SIZE(-10):FN$ :: RETUR
N
370 PRINT #1:CHR$(27);CHR$(51);CHR$(13):
: PRINT #1:CHR$(27);CHR$(83);CHR$(1)
380 PRINT #1:CHR$(27);CHR$(15);CHR$(27);
CHR$(71);CHR$(27);CHR$(69):: RETURN
390 FOR X=24 TO R+1 STEP -1 :: L$(X)=L$(
X-1):: NEXT X :: L$(R)=" " :: FOR X=R TO
24 :: DISPLAY AT(X,1):L$(X):: NEXT X ::
GOTO 120 :: !-insert line!
400 FOR X=R TO 23 :: L$(X)=L$(X+1):: NEX
T X :: L$(24)=" " :: FOR X=R TO 24 :: DIS
PLAY AT(X,1):L$(X):: NEXT X :: GOTO 120
:: !-delete line--!

```

## "TEXTWARE/SOFTWARE"

TI



### REVIEWS BY JACK SUGHRUE

Reviewing books and software for computers is a lot like reviewing movies. Some of that old stuff was great. CITIZEN KANE, WHITE HEAT, the original INVASION OF THE BODY SNATCHERS. All great stuff. But if you watch them, say, with a teenager; someone who is used to the brilliant colors, stereophonic sound, incredible special effects of STAR WARS, it is hard to convince them that these films, for their day and for the people who recall those earlier film days, are magnificent. Who can forget Jennifer Jones, the Gypsy dancer riddled with bullet holes, crawling and scratching her way to the top of a cliff only to die as she grasped the hand of the evil-doing Gregory Peck in DUAL IN THE SUN. The youth today scoffs at such nobility, such caring. They split their sides at the word-of-honor approach to humor of the Wodehouse movies and books.

What has happened to the world of yore?

Nothing.

It still lives (maybe with an illusory cherry on top) in our memories. What has seemed to make it less than what it was is our own sophistication. Once we know the how and why and where and what and once we've "been there" there seems no purpose in exploring what we already know. Or does there.

This edition of TEXTWARE/SOFTWARE travels to both worlds: the reasonably innocent world of Reston Publishing Co. to the high-powered sophistication of a relative newcomer, Asgard Software.

First the innocence (or seeming innocence) of a book by Claire Bailey Passantino called ITTY BITTY BYTES OF SPACE FOR THE TI-99/4A COMPUTER (\$6.95, Reston Computer Group, 11480 Sunset Hills Road, Reston, VA, 22090).

It is one of a series of three: MATILDA THE COMPUTER CAT and SCHOOL DAYS.

What kept me from buying this book is the title. Just as I can't stand grownups who talk baby talk, so I can't stand books whose titles are in baby talk.

But, eventually, I succumbed and bought the book, only because there were no new TI books out for so long that I needed a fix.

I'm glad I bought it.

It's a 5X7 book with a ring binding for nice, flat layout. The print is dark and even. The listings are a little larger than the text for nice, easy typing. And, for the most part, the listings are by 10s. The illustrations by Nancy Gurganus are perfect. They go with the text. They are delightful. And, because they are line drawings, are suitable for coloring. (I always have my colored pencils handy for this kind of thing.)



Because Ms. Passantino is a computer teacher and a parent, she was able to put together a perfect little book for beginners and some beyond-beginners.

I just paused for a half hour while I coffeed up a bit and typed in a few more of these programs (There are 20.), and I found them to be rather fun.

Both the structure and function of this little book are ideal for kids and kid-like adults. Each even-numbered page starts off with the Main Ideas of the program (which is complete on the opposite odd-numbered page. The ideas include the new things the program will introduce (data statements, CHR\$, variables, loops, and so on). Then comes a line-by-line explanation/tutorial that is truly the clearest most explicit I have ever come across. There isn't an adult BASIC programmer who wouldn't find this interesting. Finally, there are suggestions and a bunch of "Watch out for" items.

The programs could be typed in by youngsters within a sitting. They are not frustrating, and, yet, they DO something.

And I thought about how far I have come in computing these past few years and how I could fairly easily have created some of these programs and, therefore, what good is a book like this to me.

But.

I didn't create these programs.

I did learn somethings from this book.

My students at school LOVED it. They all had remarkable success with typing the programs in and playing them.

And they liked the theme. It's the only TI book that has a real theme. Space. Everything in the book relates to that theme. This appealed to the kids. What also appealed was the fact that some programs were set up to join together. Not Extended Merge, but to join other lines to make the programs do something else.

This really turned out to be a sleeper for me. There are lots and lots of kids and unsophisticated (computerwise) adults who would love this book and learn from it and be very comfortable with the TI as a result of it. For the rest of us maybe we have kids or grandkids or friends who are ready but need encouragement. Good book.

(I'll review MATILDA THE CAT and SCHOOL DAYS if I am able to locate copies of them.)

Meanwhile, lets leap to the sophisticated disk-only stuff.

There is a company (Asgard Software, P.O.Box 10306, Rockville, MD, 20850) which has leaped into TI software in a huge way.

Asgard's catalog is the most eclectic one you'll ever come across, and their products are just about the least expensive on the market for extraordinary quality.

They also distribute the best (I MEAN the best!) quality public domain music, games, and utilites programs. All of these and more I will

Right now I'd like to tell you about the most extraordinary disk cataloguer I have ever used.

Why I needed another disk cataloguer for I wasn't sure. I had four, each reasonably good. All fine when I had a dozen disks of files. Some even okay when I had two dozen disks.

However, with the amount of work I do on TI Writer and Multiplan and my data bases, I find that my disk collection is growing by leaps and blastoffs. Add to that collection the stuff I use with my fifth-grade class, my home applications items, my precious games, my graphics programs, and all my other non-defined items, including the batch of disks I'm always half way through programs I'm writing on. And! You will get the picture.

No disk cataloguing cartridge or disk or tape I own is sufficient for my ever-growing needs.

In talking to a few TI friends I discovered the same problem. For the serious Tler there was no good disk data base. You notice I said "was".

Because there is.

It's a superb cataloguing disk called, appropriately enough, DISK DATA BASE. It does everything. And does it with such ease a manual is not even necessary.

It makes no difference if your library contains 5,000 files (or more, of course). DDB handles it all.

Nothing is forced on you. Do you want your files sorted? It does by disk name or file name. Not bad, eh? But what if you don't want them sorted? Unlike the other five (very limited) cataloguing programs I own, DDB will accept the disks as entered. A very handy feature which I've used already on a few occasions.

Oh, yes. What if you have half-a-million files and you only want to print up (or screen view) just a few sections (say, the ones with your small dog-grooming business on them)? No sweat. DDB lets you catalog into blocks of 250 (thus removing all limits to the total number of files providing only that you have enough data disks). Take out the block or blocks you want, look at them, print them up, sing to them on the housetop. It makes no difference. DDB accepts it all.

It there more to this program?

Well, for starters, there is a very helpful on-line dictionary of terms you can call up at will.

The screening (all marvelously fast menu-driven easy-to-understand screens) and sorting is done by superquick assembly language.

You can convert other disk-catalogued files created by other programs into DDB.

If you're just starting? Why not start with DDB. It's the only program of its type that will grow with you.

DDB requires Extended BASIC, 32K, disk drive with controller. A second drive and printer are sure helpful.

(As an aside: my other disk cataloguing programs cost me a total of \$169.85. This is terrible. I could have bought three more TIs for that and had change.)

The Disk Data Base from Asgard is \$14.95. Write and ask for their free catalog.

We will review other Asgard materials (particularly the profound Schedule Manager) in future columns.

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#### NOTICE

The Northeastern 99'ers Computer Club is having their first annual workshop. It will be exclusively covering the TI-99/4A. They are featuring live demonstrations and tutorials, CAD, Assembly Language, printers, TI-Writer, Basic, Multiplan, Disk Doctor, Speech, Graphics, Advanced Diagnostics, Files, and others.

It is being held Sunday, September 29, 1985, 10 AM to 4 PM. It will be on the second floor of the The Lefoyer Club in Pawtucket, RI. Admission is free for card-holding members of TI Users Groups, and \$1.00 for all others. (Sounds interesting doesn't it?)

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## GRAPHX Review

At first I was going to do a comparison between SKETCHIT and GRAPHX. I thought about it for awhile and decided they were two totally different graphics programs. Besides, SKETCHIT was reviewed several months ago.

Now, on with the GRAPHX review. Some of this review has been excerpted from a review by Chris Bobbitt in MICROpendium, the June issue.

When I first got the program, I was impressed. It comes in disk form for loading with the Ex-basic or Editor-Assembler cartridge. Loading time is approximately a minute. This seems about the average time. When it is ready, the title screen appears. What a screen of graphics!!! I counted 12 different "slides" that appear that are absolutely astonishing. To start with there is a picture of a hand ready to touch the space bar, with a caption saying to touch any key. Then the slide show starts. There is a beautiful picture of a koala bear, pegasus, and even the space shuttle. I can tell you about all this, but you have to see it to believe it. In this case a picture is really worth a thousand words.

When you press a key a star-shaped cursor appears. Along with that, on every other screen, a short help message appears on the screen also. It says to use the joy stick to move the cursor or press a function key. To make your drawings you only have to touch the joy stick and the very top row of keys. The ten most used functions have been placed on these keys. The "=" key has the menus for the less used functions.

Anytime you use a menu your on-screen picture remains in tact. The menu options are highlighted as you choose them by moving the joy stick. To pick the desired option just press the fire button.

I have not used many graphics programs. However, according to Chris Bobbitt, "except for Super Sketch, this program probably is the least complicated of any of the drawing programs". I find this extremely easy to use.

You can change screen colors or colors of your drawing, fill shapes, and erase objects on the screen. Drawing lines, circles, and ovals is a snap. If you want to make multiple copies of something on the screen you can use the copy option. Or you can use the move option if an item isn't quite in the right place. If a detailed object needs just a touch of refinement you have a "zoom" option. This will magnify a particular portion of the screen to four times its size. Now you can turn on and off individual pixels.

The speed of the cursor can also be controlled from a step by step slow movement to where it just zips across the screen.

As Chris Bobbitt put it, "The clipboard, simply put, is an alternate area of memory where many small pictures, even special alphabets and clip art, can be stored until needed, separate from the picture seen on the screen".

The manual is written very clearly. However, it is almost not needed.

*Bruce Willard*

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### RANDOM BYTES

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**WANTED:** A couple of used Pro-Stick II joy sticks.  
Call Bruce Willard -- 852-3250.

A good used color monitor, 13" or less.  
Call Martha Campolito -- 753-4938.

**FOR SALE:** Tandem Disk Drive (external) with power supply and TI cable. Used very little.  
\$125 or best offer. See Bernie Miller at the meeting.

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### MUNCH NEWSLETTER STAFF

---

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M.U.N.C.H.  
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Worcester, Ma. 0160



# THE VIDEO CONNECTION

"The Chain That Has No Equal!"

The TI SUPER SALE CONTINUES

GAME CARTRIDGES.....\$9.95

TI. Romox  
AtariSoft Funware

Complete Expansion System.....\$350  
(demo, used less than a month)

ALL programming and instruction  
books..... \$5.95

ALL Infocom Adventures are still  
available, along with most Scott  
Adams adventures.

~~SOLD TI Phone Modem (demo).....74.95~~

~~SOLD G.E. 10" Monitor/TV's.....\$329.00~~

SPECIAL for M.U.N.C.H. Members the  
10% discount will apply to all sale  
items until September 30th. Come in  
while there are still good supplies.  
This special discount will be for  
M.U.N.C.H. members only. Please bring  
your membership card at time of pur-  
chase.

LAST 2 WEEKS !!!

560 Lincoln St.  
Worcester  
next to McDonald's  
852-8213



AGENDA for September 17, 1985

- 7:00 - 7:15 Open Demonstrations
  - New Member Registration
  - Software Exchange (members only)
- 7:15 - 7:45 Business Meeting:
  - Approval of Minutes
  - Treasurers Report
  - Committee Reports
  - Old Business
  - New Business
  - Announcements
  - Raffle
- 7:45 - 9:00 Special Interest Group Meetings  
and Open Demonstrations and Discussion

Demo of Navarone's Data Base  
Management System by John Shoikour  
of Computer Sense Center in Westboro  
Basic Programming -- as required  
Assembly Language -- by Dan Rogers

Plan for October meeting:

Demonstration of Navarone's Paint 'N'  
Print graphics package by Bruce  
Willard

LIBRARY NOTICE

Recent Additions to the Library:

- TI in Wonderland.
- TI-99/4A Basic Programs -- "SAM's" tape & book.
- Conversational Basic. -- \*
- Basic Computer Programs for the Home. -- \*
- \* -- Donated by V. Foster-Erlandson.

Please return all borrowed materials to the MUNCH  
library at each meeting. This will give other  
members a chance to enjoy our collection of "text-

M.U.N.C.H.

560 LINCOLN STREET

WORCESTER, MA. 01605

FIRST CLASS

TO:

\*\*\*\*\*  
IMPORTANT NOTICE  
\*\*\*\*\*

September meeting will be on September 17, 1985  
at University of Massachusetts Medical Center  
(Come to the VISITORS entrance and follow the signs for MUNCH...)