

VAST NEWS

for the VAST Computer User Group

Volume 8 Number 4

April 11, 1992

TI World and Local News

Lima Schedule Set

A tentative schedule has been released for the Lima Multi User Group Conference May 15-16 at Reed Hall, the Ohio State University Lima Campus in Lima, Ohio.

The conference is free to all attendees and there is no charge for user groups, individuals and dealers who want tables in the exhibit area.

Setup will be 4-8 p.m. May 15. During these hours, as soon as systems to do so are set up, a designated representative from any user group can copy software from the Lima User Group software library, according to Charles Good of the group. No charge is made for the service, but user group representatives must provide their own blank disks.

Doors open for the fest at 7:30 a.m., with setup time until 9 a.m. for those arriving who did not set up the previous evening.



User Group representatives may copy disks all day under the same stipulations as the previous day. Formal presentations begin at 9 a.m., with food service open adjacent to the exhibit area from 11 a.m. to 1 p.m. The conference ends at 6 p.m., with an informal get together at a nearby restaurant at 9 p.m.

Formal presentations are

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expected from Ken Gladeszewski, Jack Sughruue, Eunice Spooner, Barry Traver, Bud Mills and Bruce Harrison. Others are expected to be added to the list, Good says.

To request free tables in the ex-

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SECRETARY'S SLATE

MINUTES

VAST Computer User Group
March 14, 1992

The March 14, 1992 meeting of VAST was officially called to order by President Jim Ely at 10:00 a.m. The proceedings were attended by 26 people, including all officers and 5 new members. After an introduction of everyone present, a motion was passed to accept the minutes as published in the newsletter. Following the vote, the treasury report was read and accepted. Jim Ely then asked for the **COMMITTEE REPORTS**.

LIBRARY: Wallace and Hazel Knight reported that all of Virginia Davis' clip art program disks have been added to the library following the recent Fest-West. Also they reminded members that the club has videos that can be checked out. They cover a wide range of subjects and are very educational.

BBS: Jim mentioned that the Fest-West conference would be no longer needed now that the event has passed. He would like to have new ideas for future conferences to replace it. Do you have any ideas? BBSers were also reminded to kill old messages after their purpose has been served. Members were also reminded that the club has a couple of "loaner modems" for those that would like to try them.

PUBLICITY: Tom Pfeffer announced that he was resigning his post as publicity chairman due to his long work hours. Ray Frantz

volunteered to take over the position. Thank you Ray. Tom mentioned that he had sent out a letter to some potential members along with the latest newsletter.

PROGRAM: Bud listed the next couple of months topics and asked for ideas from members as to what they would like to see. Ralph Rees is up in April on John Birdwell's "Disk Utilities". Jim Ely will demo "Telco" in May. Wallace Knight did a demo of "TI Artist" after this month's business meeting.

FEST-WEST: Ralph and Hazel presented the final committee report for *Fest-West '92*. Hazel began with an impressive financial report. She stated that final bills and gifts will be paid and that the account will be closed. She reported that several vendors had sent letters of thanks and that the Days Inn invited us back should we ever need another hotel facility. The group voted to give David Marfisi a gift for his security work at the *FEST*. Hazel also reported that she hadn't heard anything from the SW 99ers about the videotape of the *FEST*.

Jim Ely made a short speech and presented certificates of award to Ralph Rees, Hazel Knight, Gene Gibson and Ed Morse for their hard work and dedication for the *FEST*.

NEWSLETTER: Jim encouraged everyone to submit articles for upcoming editions of the newsletter.

See **MINUTES** on page 3

MINUTES, from page 2

After the committee reports, Jim opened the floor to *OLD BUSINESS*. The BBS upgrade was the first topic that came up and after a discussion of various options, Jim was given the authorization by unanimous vote to spend up to \$200 dollars to purchase the necessary components to bring the BBS up to speed.

Jack Workman reminded the group that we still need a monitor for the club system. The solution was made easy when Chris Taylor made the group an offer that was hard to resist. The vote was unanimous to buy the monitor from Chris.

Bud Barnes made a motion that the club make a donation in the name of *VAST* to the Pyle Adult Community Center for allowing us the use of the facilities. It was mentioned that the group had never given Pyle any money and that a donation would be a good way to show our appreciation. The motion was seconded and the vote was unanimous to send Pyle a check for the amount of \$100.

Next on the agenda was *NEW BUSINESS*. Gene Gibson told everyone of an idea to raise money by holding a monthly raffle after the business meeting. He mentioned that a user group in San Diego made \$2100 running a similar raffle. After discussing several different ideas, the club decided to give it a try. Gene volunteered to run the event.

Ralph Rees volunteered to put together a "Game Disk of the Month" for each month's meeting. Unfortunately, the club

was out of blank disks, but the idea was met with enthusiasm. Also, the club decided to place an order for more blank disks.

The topic of a pizza party to celebrate the success of the *FEST-WEST* was discussed and was agreed upon by all. After a short discussion about anchovies, Bud Barnes volunteered to take care of all of the details of the event.

Chris Taylor spoke of the vendor forum at the *FEST* and mentioned that some new standards were proposed for upcoming hardware and software releases. He thought that it would be a good idea for *VAST* to support these new standards and after a clarification of those standards, the group voted unanimously to endorse them. Chris also volunteered to represent *VAST* at the Lima Ohio fair this spring.

Up next was a discussion of the possibilities of handing out the newsletters at the meetings versus mailing them. It was mentioned that only five members were not at the meeting and that the club had saved a bunch of stamps in the process. By unanimous vote, the club opted to mail newsletters only to those not present at our monthly meetings. Chris Taylor also voiced an idea for a monthly article and volunteered to write it too.

Bud reminded all members that a group of *VAST* members have breakfast together at the Denny's down the street before our monthly meetings. All are invited. We usually start to show up around 8:00. The restaurant is located at Rural Road and the

See **MINUTES** on page 14

From the Editor's Desk

Happy Easter

As was decided at the last meeting, the newsletters will no longer be sent as an advance notice of the meetings. You can pick up your newsletters at the meetings and the only ones that will be mailed are to those members that don't make it to the meetings. If you were wondering why you didn't get yours before the meeting, that's why.

IN THIS ISSUE

Well, we have another full issue this month — 16 pages! On page 8 is the continuation of the TI-Writer article on how to use the word processor for form letters. On page 12 is an interesting opinion by Ray Frantz about meetings and other things. Page 7 has an interesting article on some unusual functions of some of TI's module software. 4/A Foray by Ralph Rees is on page 5 with a potpourri of ideas. That's this month's issue...

PIZZA PARTY! PIZZA PARTY!



As members who attended last month's meeting are aware, we will be having a pizza party after the demo at today's meeting. Bud Barnes has made the necessary arrangements with the PYLE Adult Center and has gotten a special party discount on the pizzas from **Little Caesars®**. Soft drinks will also be available as well as the usual coffee

Just a reminder...

The **VAST BBS** can be reached 24 hours a day, 7 days a week at **(602) 233-0790**.

This is a local call for most area residents. Give it a call for the latest information about the VAST Computer User Group!



supplied by Wallace and Hazel. Thanks, Bud, for all the planning! Incidentally, I have been advised that there will be **NO!** anchovies on the pizzas, but just about everything else.

UPCOMING MEETINGS

This month's meeting is in the **MAUVE ROOM** at Pyle. **MAY'S** meeting will be held the **BLUE ROOM**. Here is a 2 month calendar with our meeting dates indicated...

MAY 1992							JUNE 1992						
SUN	MON	TUE	WED	THR	FRI	SAT	SUN	MON	TUE	WED	THR	FRI	SAT
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30				
31													

That's all I have for you this month. See you all at the meeting!

4/A Foray

by Ralph Rees

APRIL SHOWERS? DEPARTMENT

Well here we are already into April and awaiting the showers of April, right? WRONG! I think we've pretty much gotten all the rain we'll be needing for a little while at least. I suppose we shouldn't complain though, Cos' it's better to have a little too much water than not enough, especially here in "Arid zone"-a.

PIZZA PIZZA PARTY PARTY DEPARTMENT

O.K. Gang, as some of you who were at the last meeting know, we are going to celebrate our Fest's success at the April meeting with a pizza party! Bud Barnes has taken on the awesome task of obtaining the pies and it's my understanding that there are a couple of dudes amongst us that requested small dead fish on their respective pizzas! Yech! How can they stand to ingest something that watches them do it! Anyhow, We should have some fairly normal topping flavors for the rest of us gourmets to taste and I imagine some soft drinks will be supplied too, So don't miss it!

HOW'RE WE DOIN' DEPARTMENT

Off hand, I'd say quite well, thank you. Thanks to our Fest success, we were able to add a color monitor to our club system, begin shopping for a new club BBS motherboard, Give the Pyle Adult center a little monetary incentive to allow us to utilize

their facility a little while longer AND throw ourselves a little party.

We have added a few new members to the club roster, which I'd like to see grow MUCH larger. TI manufactured a whole bunch of these 99 consoles, and I just know that the Metropolitan Phoenix area has lots more TI'ers out there looking for a source of information and help. Let's be that source!

NEED MORE INPUT DEPARTMENT

We still need MORE of our members to participate in writing an article or two for the newsletter. Anything would be greatly appreciated by Jim Ely for publication. It doesn't have to be real long or a NEW item. We have lots of new members, and most everything in the TI world is NEW to them, so if you read or discover something interesting to YOU, it will be interesting to US. SO DO IT! O.K.?

Also, as stated in previous 4/A Forays, utilize our club library and Bulletin Board Service. These two resources alone are worth the club membership dues. We have lots of interesting programs in both and the BBS is a good place to ask questions and engage in general gossip and fun. Try em' out, you won't be sorry!

Well, that's about all I've got to discuss this month. Here's hoping Uncle Sam didn't bite you too hard and hope to see you at the April meeting!

FCTN +

—Ralph...

NEWS, from page 1

hibit area, to request time for a formal presentation or for other information, write the Lima User Group, P.O. Box 647, Venedocia. OH 45894, or call Dave Szipp (419) 228-7109 or Charles Good (419) 667-3131 evenings.

Catalog Available

Software and More has published a catalog of the company's. TI99/4A software.

Selling for \$10 plus \$1 shipping each are Grafiks and Music v2.2, which has various framed graphics pictures and songs, for which the words appear on screen as the songs play; Musical Christmas Tree in which the lights on the Christmas tree in the on-screen Christmas scene flash different colors as Christmas songs play; List of Labels Labeler, written for a Star Gemini 10X type printer, said to print out a list of labels with a "Thumbs Up!" graphic on the left side; and Valentine Card, which pictures a big heart in the center of the screen surrounded by a moving border of heart-shaped characters to the music of "I Left My Heart in San Francisco."

Fairware items available for a \$1 copying charge plus \$1 shipping are Telephone Dialer, a telephone number directory which is said to dial the number from the directory if the user puts the telephone mouthpiece by the monitor's speaker, and Flags and Map, which has pictures of various flags, including the Olympic flag and a map of the 48 connected United States.

Checks should be made payable to Sam

Carey. Send orders, or a self addressed stamped envelope for a catalog, to Software And More, c/o Sam Carey, 5820 SE Westfork St., Portland. OR 97206-0742.

Non-Profit Organizations Benefit from Tex-Comp

Tex-Comp will donate TI books to non-profit organizations which will use them in their programs and which will pay shipping or arrange to pick the books up at Tex-Comp's warehouse, says Jerry Price of Tex-Comp.

He says to receive the books, the facility should send a letter stating that it is a charity or non-profit organization, and that it wants the books for internal use, not for resale as a fundraiser and not for door prizes.

He says that Tex-Comp has contributed books and equipment to Eunice Spooner's student group at the Atwood-Tapley School; Marion Hall (Sister Pat Taylor): the St. Anthony Mission and the Special Awareness Center "and now we're looking for more."

Books available are Computer Playground, The Elementary TI99/4A. Programs for the TI Computer. Introduction to Assembly Language and Games TIs Play. These books are also for sale to the public from Tex-Comp at \$1.49 each, or five for \$4.95, plus 3 percent shipping on total orders (4 percent east of the Mississippi, \$3 minimum).

Write Tex-Comp, P.O. Box 33084, Granada Hills, CA 91344.

OLD TRICKS FOR NEW (and not so new) USERS

by Joseph Cohen
Lima Ohio User Group

Though many of us tend to ignore most of the cartridge software for our computer, with the exception of TI Extended BASIC and, possibly, MultiPlan, LOGO II, Editor/Assembler, and TE-II (for speech), many of the cartridges are very enjoyable. In order to give you an excuse for searching your closets and basements looking for those hidden modules, I'd like to point out that many of them have undocumented features ranging from useful to interesting to amusing. Here are a few examples...

Many are probably familiar with "the Secret of Personal Record Keeping: implementing DISPLAY AT and ACCEPT AT without Extended BASIC," published way back in 99'er Magazine and reprinted in the Best of 99'er, page 76. Briefly, TI BASIC, with the PRK module installed, contains the commands CALL D() and CALL A() (similar to DISPLAY AT and ACCEPT AT). Presumably this also works with the Statistics module, but I do not have this one and could not verify it. I have been told that this is a result of the hybrid nature of certain modules containing both GPL and BASIC coding. Perhaps someone knows or could discover additional undocumented features of this cartridge (I have extra PRK modules if anybody would like to experiment), and possible other cartridges which call console BASIC routines (e.g. Tax/Investment Record Keeping).

Next, the TI Disk Manager cartridge offers a proprietary protection feature that does not allow the Disk Manager to copy a protected diskette. To use it, press the FCTN-X key 10 times while on any menu screen. You will hear a beep (if your monitor has sound!) and will appear at the center top of the screen. Any diskettes initialized at this point will be proprietary protected. Each time you address them using the Disk Manager cartridge (e.g. to catalog such a diskette), a low-tone beep will sound (not present for unprotected diskettes), informing you that the diskette is protected. The protection information is stored in sector 0 on the diskette. This type of protection is ineffective against the sector disk copiers and has been discussed in the past. I wonder if anybody knows more about it. The DM-1000 offers protection and unprotection of diskettes; is it the same kind as the TI Disk Manager cartridge?

Now to a few game cartridges...

Moonmine, Alpiner, Munchman, Munchmobile and Hopper have a test mode where you can select the starting level. So if you wanted to see what it is like to play at those levels you could never reach, here is a good reason to plug those cartridges into you 99/4A! The test mode is obtained by pressing SHIFT/8 3 8 at the game title screen (SHIFT/8 only for Hopper). And on Burgertime, pressing SHIFT/8 gives a message: "code modifications by John M. Phillips."

Have you always played Parsec as a one player game? Here is something different,

See OLD TRICKS on page 13

TI-WRITER TIP

Form Letters, Part II

As you may recall, in last month's newsletter Ray Frantz gave us some insight into one of TI-Writers lesser used functions, the Form Letter option. This month we will set up a small mailing list and write a form letter to utilize the mailing list.

This article is by Chick De Marti from the LA 99ers TopIcs Newsletter.

WHAT IS A MAIL MERGE?

A Mail Merge is a convenient way to mail a form letter to many people without manually typing in the names, addresses, etc. This is extremely useful when various forms of communication must be sent to the same group of people monthly, quarterly, etc. So the obvious thing then would be to create a mailing list. Use this example...

```
1 Mr.  
2 Tom  
3 Jones  
4 2341 Any Street  
5 Somewhere, CA 91123  
6 Jones family
```

*

```
1 Ms.  
2 Jane  
3 Smuthers  
4 7777 Lucky Lane  
5 Sameplays, CA 91119  
6 Smuthers family
```

*

```
1 Mrs.  
2 Eunes  
3 Somuch  
4 2468 'Preciate Ct.  
5 Fairytale, CA 91121  
6 Somuch family
```

*

(Press <ENTER> after each line.

Yes! the numbers 1, 2, 3, 4, 5, 6 must be entered. Notice the "*" asterick separating each group of numbers. TI-Writer recognizes it as a separator.)

Save this file as DSKn.MYFILE-1 (n=the drive number of the drive you save your data on.)

Next, let's create a form-letter. This is the one I created for our August meeting. A typical heading would look like this... (Continued ➡)


```
.FI;AD;LM 8;RM 72      <enter>
.IN +32                 "      (the +32 will print the following
Chick De Marti         "      lines near the center of the page.)
18028 Falda Ave.      "
Torrance, CA 90504    "
<enter>                "
August 26, 1991      "
.IN +0                 <enter> This cancels the .IN on line 2
<enter>
<enter>
*1* *2* *3*          <enter>  = Title, First name, Last Name
*4*                  "        = Street Address
*5*                  "        = City, State, Zip code
<enter>
Dear *2*             <enter>  = First Name
<enter>
```

(Now you would type the body of the letter)

Example:

This year we are going to have many interesting demonstrations and surprise guests. We expect some of the leading programmers in the TI community to be displaying their wares, as well as their expertise. There will be many bargains available in software as well as some 'steals' in hardware.

<enter>

It would be my pleasure to greet the *6* at the door personally. So do come to the meetings and enjoy yourself as well as learn many interesting things.

<enter>

.IN +32

Yours truly,
Chick De Marti

(Save the letter as DSKn.FORMLET-1)

This is about as simple as it can be. By doing the mailing list in the TI-Writer editor, you can make changes, corrections, as well as additions with little or no trouble.

NOTE: When you are through typing your form letter, before leaving the editor, make a quick copy of it using the PF command (Print-File). The resulting copy will include all 'dot' commands and will allow you to check the finished copy with the original notes.

See TI-WRITER TIP on page 10

WRITER TIP, from page 9

To make a 'Print-File' copy, while still in the editor:

press FCTN-9 to get to the command line,
type PF <enter>
PIO (no! LF (line feed) is not needed)
You may be using BA-etc., etc. In any
case just press <enter> and a copy
of your form letter will be printed.

PRINTING THE LETTERS

This is even easier. Get into the Formatter and follow the prompts:

```
Program      DSKn.FORMLET-1  <enter>
Printer      PIO.LF      <enter>
Use Mail List?      Y      <enter>
Page(s)/All      A      <enter>
Pause after each page N      <enter>
Mail List Name DSKn.MYFILE-1 <enter>
```

That's all there is to it. When the letters are printed, TI-Writer will replace *1* *2* *3* with Mr. Tom Jones and the *4* with his address. *5* will be replaced by the City, State, etc. and at *6* will insert "Jones family". Neat, huh?

Now TI-Writer has another feature you might like to try. It is a manual insert option. Using this option you could insert personal information anywhere within the letter. This could be used by a business for billing purposes, or for a club to make it's members aware of changes, awards, etc. Here's a quick 'how to'.

Let's make a minor change to our mailing list. Load MYFILE-1 into your editor and then delete all line sixes (Jones family, etc.). Place the cursor on the '6' and press FCTN-3. When finished:
Save as DSKn.MYFILE-2

Now load your FORMLET-1

Normally, this would probably be a differernt heading, but for the sake of expediency, let's use what we have. Go to the line with Dear *2*, and change it to Dear *1* *3* (Mr. Jones). Now to the letter itself. Type in:

Thank you for your recent payment. Your balance is *6*. If you have any questions, please give my office a call. See WRITER TIP on page 11

WRITER TIP, from page 10

.IN +32
Yours truly,
Ida Dungood
SMALL LOAN CO.

Again using the FCTN-3 key, delete the rest of the letter and save it as DSKn.FORMLET-2 (Did you make a copy using PF?)

TI-Writer matches all numbers within the asterisks (*1* *2*, etc.) with the respective lines in the mailing list. If it does not find the corresponding number, it halts the printing and asks for your input.

Now print your letters answering the prompts as you did for FORMLET-1. the printer will stop and at the message "Enter input:" enter a dollar sign and any amount you want... Example: \$1150.90. When you read the letter, the second sentence will now read:

"Your balance is \$1150.90."

There doesn't seem to be any limit to the number of inputs you may have. With that in mind, another opportunity to use the Mail Merge might be at Golf tournaments. Still using the mailing list MYFILE-2, type in this form-letter:

Dear *2*,

Thank you for participating in the Junior/Senior Golf Tourney. Your official handicapped score was *6* earning you *7* as your portion of the 'Winner's Booty'. Looking forward to seeing you next year.

.IN+32
Bobby Sox, tres.
Good Guys Golf Gang

The inputs in the above example are obvious, and as you can see, the occasions to use a Mail Merge are endless. So try it out for kicks... I did and I learned how to Mail Merge.

Chick De Marti

SPEAK OUT!

This month by Ray Frantz

For those of you that are reading this at the April meeting, I intend to introduce a few motions that I'm hoping will have the backing of a majority of members. These are motions to establish procedures that are already in place in some of the other User Groups across the country. After reading about them in the exchange newsletters, I see them as being great and "ripe" for incorporation into VAST. Like it or not, "WE HAVE TROUBLE RIGHT HERE IN RIVER CITY".

You've noticed, I'm sure, that the social hour (9-10 a.m.) is not able to be used for what it is intended for...and that is...before meeting discussion of TI ideas, problems you may be having, or suggestions that some other member may be able to help you with. Rather, that hour has been transformed into a "FOR SALE" opportunity for one or two people.

Therefore, I am going to suggest that we follow the lead of other User Groups in having an internal SWAP MEET AT EVERY THIRD MEETING ONLY.

This will accomplish two other things that the club wants, and that is that hardly anyone ever uses the Newsletter to notify other members of items that they have for sale...and we also have the FOR SALE Conference on the BBS that does not get the use that it is intended for.

If you have things you wish to sell...send them into the Newsletter OR leave a mes-

sage on the BBS. If you get a buyer they can call you or leave a message on the BBS and YES, you can THEN bring the items to the next meeting and make the exchange...that would NOT be as disruptive to the intended purpose of our meetings. I understand that this HAS worked for our club before...and it seems to work for other User Groups.

I have spoken to a few other members already and they, as well as I, are slowly losing interest in the monthly meetings because of things like this.

Another motion that I intend to introduce is that we "keep remembering" that we have, and will, I hope, always continue to have NEW members joining VAST each month, and should therefore arrange to have monthly demonstrations of the more BASIC issues and procedures of the TI. IF WE CONTINUE TO TALK OVER THE HEADS of the novices...we WILL lose them. Some thought has to be made as to WHAT should be discussed AT the meetings, and WHAT should be discussed BEFORE AND AFTER. REMEMBER WHAT HAPPENED BEFORE.....WE USED TO HAVE OVER 150 MEMBERS!

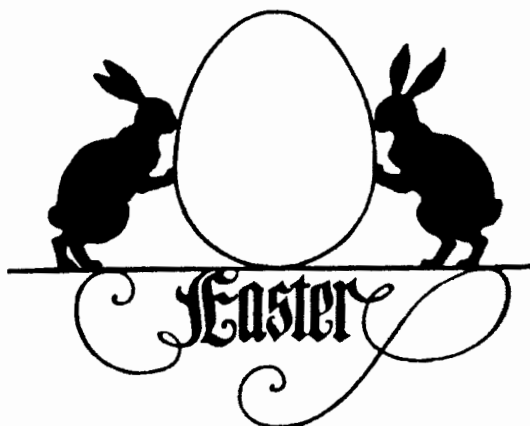
[*Editor's Note:* The VAST Computer User Group governing board always welcomes your views and comments. Space will be made available in the newsletter for comments and any opposing view points. Comments can be uploaded as private uploads to "SysOp Only" on the BBS or sent to the return address on the newsletter information page.]

OLD TRICKS, from page 7

for a two player team. If the fire buttons on both joysticks are pressed simultaneously, Spaceship Parsec will not overheat. Horizontal lines will appear on the screen, but they do not disturb the game and would allow, in fact, one to see the Bynites when they turn invisible.

This is certainly not an exhaustive list. If anybody knows about other "tricks," would they please let me know? I am sure the Adventure and Tunnels of Doom modules contain undocumented features. Please take a few moments to let others know, and enjoy your cartridges! j.c.

[*Editor's note:* Mr. Cohen can be reached at the Lima Ohio User Group newsletter address, P.O. Box 647, Venedocia, OH 45894.]

**PROGRAMMERS DILEMMA**

by Don Lester, Vancouver, BC

(recovered from the LA99er TopIcs Newsletter)

I sit before my 4A
The screen is cold and black
I push the keys I think will work
But nothing's coming back.

I know it's not the RAM or ROM
Since they were both just tested.
Maybe it's hung-up
In some deep loop I've nested.

The floppy drives sit silently
Their little lights are out.
I search the screen for any clue
To what it's all about.

Could it be a vicious virus
Deep down in the root?
All else fails, I push the button
to go for a reboot.

But nothing works!! Is there no cure?
I must seek out this bug.
That's when I look down and see
That someone's pulled the plug!

MINUTES, from page 3

freeway. Bud joked that everyone pays his own bill!

That being all of the new business, Jim Ely adjourned the meeting at 11:26. The demo and a raffle followed, in that order.

Respectfully submitted,
Tom Pfeffer
VAST Secretary/Treasurer

P.S. It has become increasingly more difficult over the last few months to hear all of the people that have been given the floor to speak due to the amount of people talking amongst themselves in the background. Please give all courtesy to those that are trying to make a point and confine your talking to the time other than the business meeting.

Thank you.
Tom



GAME

Disk Of The Month

O.K. Folks, I think I've got another winner here for you. It is an Extended Basic game entitled "FRENZY" and has 4.5 different screens. It is a space shot-em-up of sorts and will even record the high score. Look for it at the April meeting.
—Ralph.

Get Your Programs

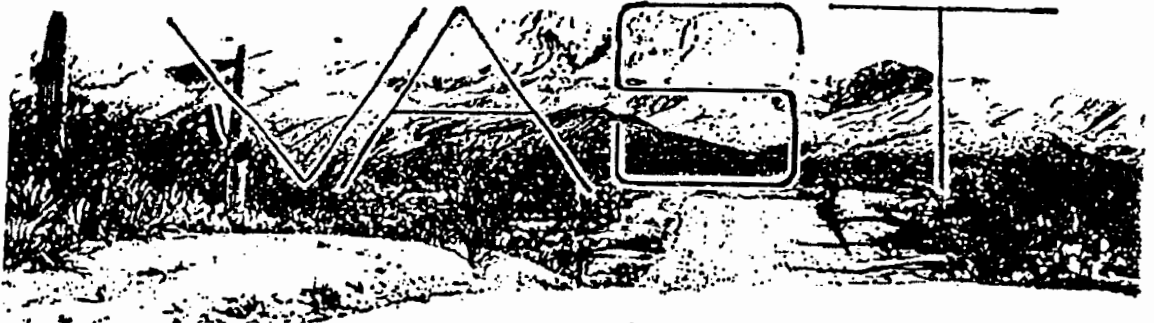
The program this month is going to be on *Disk Utilities* and will be presented by Ralph Rees. *Disk Utilities* is a Disk Manager type of utility that has the added abilities to do disk sector editing. Should be an interesting demo.

Next month Jim Ely will do a demo on using and configuring *TELCO* for BBS users. Those even remotely interested in using the BBS should attend.



THE DIFFERENCE

IS



VAley of the Sun T_I-99/4A
USER GROUP
INVITES
YOU

and all Personal Computer owners and users to join them the 2nd Saturday Morning of each month between 9:00am and 12:00pm (noon) at the PYLE ADULT RECREATION CENTER in Tempe.

VAST OFFERS :

- . 24 hour a day BBS
- . Monthly Newsletter
- . Download from BBS for members
- . Computer "Hands On" demonstrations
- . Loan of a MODEM System for members
- . A library of programs for disc and cassette
- . A friendly forum for discussion of your PC problems

For more information on VAST, contact either:

Mike Grogan (Pres)...272-4315 or Mike Marfisi (Sec/Treas)...491-1552

VAST User Group Information

The VAST Computer User Group is a support group for the TI-99/4A Home Computer and compatibles.

The VAST Computer User Group operates a BBS 24 hours a day, 7 days a week. The phone number is (602) 233-0790.

CURRENT OFFICERS

PRESIDENT

Jim Ely 275-8018

VICE PRESIDENT

Ralph Rees 869-8145

SECRETARY/TREASURER

Tom Pfeffer 940-0974

LIBRARIANS

Hazel & Wallace Knight . . . 938-5446

NEWSLETTER EDITOR

Jim Ely 275-8018

BBS SYSOP

Mike Grogan 272-4315

Send any correspondence to the address below.

ADVERTISING RATES

There is **NO CHARGE** to **MEMBERS** for **PERSONAL** advertising. Non-members will be charged \$1.50 per ad.

Please contact the Secretary/Treasurer for **COMMERCIAL** advertising rates.

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VAST NEWS

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HAVE A VERY HAPPY EASTER!

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