*SouthWest Ninety-Niners*

## June 1990

P.O. Box 17831 Tucson, AZ 85730

### OFFICERS
BJ Mathis - President
Tom Wills - Vice President
Ed McCullough - Secretary
Larry Newman - Treasurer

### NEWSLETTER
BJ Mathis - Editor

### LIBRARY
BJ & Jack Mathis - Co-Chairmen
Ida McCargar - Fairware/Lending Librarian



### ATTENTION MEMBERS!!
Next meeting, Thursday, June 7th at Devon Gables Health Care Center in the Executive Dining Room at 6150 E Grant across from the Price Club at 7pm. The Missing Link from Texaments will be demonstrated by Dale Ussery. Air Taxi a new release from Don Shorock will also be demonstrated.

## WORKSHOPS

### EXEC MEETING
Monday after general meeting at 6:30pm (June 11th). Johnie's Restaurant 22nd & Alvernon - All SW99ers welcome - Call BJ in advance if you plan to attend.

### GENEVE USERS
Second Tuesday of each month at 7:30pm (June 12th). THIS MONTH at Rod Stallard's home - 7575 E Logan Dr - 745-6071.
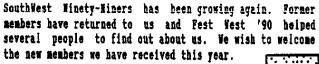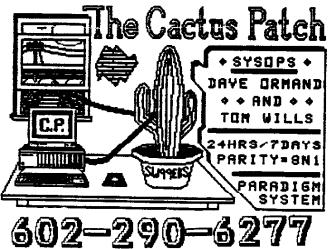
### GENERAL USERS
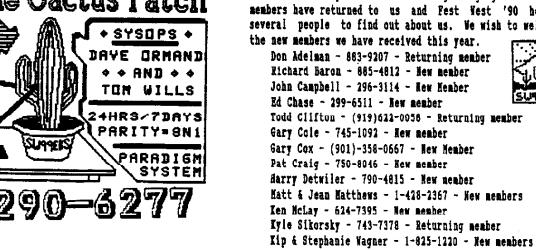Third Tuesday of each month (June 19th) at 7:30pm. Mathis' home - 5941 E 26th - 747-5046.

### ADVANCED LANGUAGES
Fourth Tuesday of each month (June 26th) at 7:30pm. Rod Stallard's home - 7575 E Logan Dr - 745-6071.



### NEW MEMBERS

SouthWest Ninety-Niners has been growing again. Former members have returned to us and Fest West '90 helped several people to find out about us. We wish to welcome the new members we have received this year.

Don Adelman - 883-9207 - Returning member
Richard Baron - 885-4812 - New member
John Campbell - 296-3114 - New Member
Ed Chase - 299-6511 - New member
Todd Clifton - (919)622-0058 - Returning member
Gary Cole - 745-1092 - New member
Gary Cox - (901)-358-0667 - New Member
Pat Craig - 750-8046 - New member
Harry Detwiler - 790-4815 - New member
Matt & Jean Matthews - 1-428-2367 - New members
Ken McLay - 624-7395 - New member
Kyle Sikorsky - 743-7378 - Returning member
Kip & Stephanie Wagner - 1-825-1220 - New members

## MAY SW99ERS' MINUTES

*Thursday May 3, 1990*

1. The meeting was opened with the introduction of three visitors: Richard Kozlowski, and Norm & Marilyn Armstrong.

2. The Officers' meetings have been scheduled to fall on the Monday evening following the monthly group meeting, at 6:30pm at Johnie's Restaurant on 22nd Street. SW99ers are welcome to attend.

3. Copies of the flyer and order forms for Don Schorock's Air Taxi are available at each table, for those who are interested.

4. During the month of April, GEnie offered a free sign-up opportunity. Several SW99ers took advantage of the offer.

5. Ida McCargar has put together several envelopes of Newsletters from other User Groups. They are available for our members to check out so they can read about what is going on outside of SW99ers and can type in the programs that are written up in those newsletters.

6. The question of how to log onto the BBS was asked. Tom Wills discussed the step by step procedure.

7. Another person asked how to get to the correct MENU on TELCO to disconnect. Tom Wills advised to press ENTER to get back where you started from or to press FCTN-9 repeatedly to get back to the main MENU then type "G" for Goodbye.

8. The group has an opportunity to obtain some 3.5" diskettes. Those interested should contact BJ.

9. Tom Wills discussed the difficulties we have been having with our BBS, "Cactus Patch". He has been in touch with the author of Paradigm, but no answer as yet. We may receive the latest upgrade before we get these problems corrected. We are going to install a Hard Disk in the BBS system and sell off the floppy drives and Ramdisk that will be freed-up in the process, which will reduce the cost of the new hardware. To further cover the cost, the Cactus Patch users will be asked to make donations. This will eliminate the need to tap SW99ers Treasury.

10. Jack Mathis has found a source for quieter and more powerful fans for the PE Box. If you are interested, let him know so that he can set up an order. The fans cost $4.95 plus tax and shipping. Also, the order must be a minimum of $25.00.

11. Each of you has been provided a copy of the yearly expenses required to operate the Club. One can readily see the preparing, printing and mailing of the Newsletter; the Disk of the Month; and underwriting the cost of operating Cactus Patch totals $1336.00 per year. So, the answer to the question of what should be our minimum bank balance is about $1300.00

12. Several members participated in the "Show & Tell" part of the meeting: Larry Newman - Banners, Letterhead, Borders; Ed Hallett - Lab Reports, Circuit Diagrams, FORTRAN course work for his college classes; Tim and Chris Mathis - programs they have been developing in LOGO; Kip Wagner - explained what he has been doing with GIF.

*Ed McCullough, Secretary*


## DISK-OF-THE-MONTH
## JUNE 1990

*by Ida McCargar*

DOMs are available FREE to SW99ers attending the membership meeting each month. If you are unable to attend the meeting, members may buy DOMs for $1, either at a later meeting or by mail (no extra cost by mail).

Cassettes are prepared each month for members with "cassette only" systems. The COMs are FREE to "cassette only" members who attend the membership meeting each month or for $1 as outlined above for DOMs.

This disk contains Harry Brashear's Useable Disk Cataloger, which is Fairware. Try it--if you like it, please pay for it.

This program will catalog your disks, giving you a choice of which files to include. You can omit LOAD files; when a program has several parts(e.g. ET1, ET2, ET3), you only need include one; you can include a comment about each program, as well as a keyword, which can be a descriptive program name.

Docs are on the disk, but the program is menu-driven and so easy to use that you almost don't need them.

The program is in the LOAD file which runs automatically from XB. FILE2 is a partial catalog of our PD music programs which you can access to see how the program works.

To catalog your own disks, copy LOAD, OBJ/LINKS, PRINT2, & SORT to an initialized disk named PGM/CAT and follow instructions in the menu.

Also on this disk is ASTRONOMY (Planets & Constellations) by new SW99er, Richard Baron, and a game, BUG, by Lucie Dorais, which Richard typed from the Ottawa U.G. Newsletter.

Ottawa has an excellent newsletter, which we no longer receive, but they invite one of our members to join their club and receive the newsletter to share with our group. The price is $25 a year. It costs them a dollar or more in postage to mail the newsletter.
..............................Ida

## LIBRARY NEWS

The following disks have been added to the Library.

### FAIRWARE

#527 TAPEMASTER - By Colin Christensen (Brisbane User Group) - A utility to copy a number of programs from disk to tape. Just mark the required filenames on the menu, set the recorder running and take a coffee break while the program does the rest.

### NEW PUBLIC DOMAIN

PD/E007 ELEMENTARY EDUCATION - Miscellaneous programs for primary and intermediate grades--math, music, English, spelling, geography.

PD/E008 Miscellaneous Education- mostly upper level programs: algebra, geometry, IQ test, music, and a Baseball Quiz.

PD/GX010 IB Games-3

## TI ARTIST PLUS

Review by Gary Cox

from Mid-South 99's TIdbits

What is TI-ARTIST Plus? In short it is a graphics production program and TI-ARTIST Plus is a later version of the previous TI-Artist program. Most features available in TI-ARTIST are present in TI-ARTIST Plus with many new additions!

TI Artist Plus comes on three disks instead of just the one disk as it did originally. The program is so packed with features it is impossible to review it here without writing a manual, so I will try to cover just the high

points in the program. The program actually consists of separate program modules providing different functions. The different program modules include Artist, Converts, Enhancement, Fonts, INPUT DSR, Movies, Print and Vectors, and these selections appear on the first menu of the program.

The Artist section is more or less the main section of the program. This is where you create your picture. Once entering the Artist section you have a menu made of icons (symbols indicating the function of the selection) where you may choose the draw mode desired. For example, you may wish to simply draw lines with the joystick or you may wish to draw circles, squares, boxes, etc.... You may wish to change colors of what you are drawing or select a different type paintbrush. You may want to make a mirror image of what you are drawing or even zoom in on a section and make a very detailed drawing. If you have trouble drawing a straight line a feature is available here to help you out! Most of the original functions are available here but in addition is the Arc function which allows the drawing of a curved line plus Circle and Disc and have been enhanced to allow the drawing of elipses as well as circles.

In the Converts sections are the options to load pictures created by other drawing programs. The formats supported are Draw A Bit, Draw N Plot, Graphx and of course, TI ARTIST.

The Enhancement section has various features in it including moving and copying sections of your picture (with or without color). This section is, also, used for selecting slides. The slides that come with TI Artist are electronic symbols which can be rotated to fit in your picture as you wish. The entire screen is surrounded by the slides that are selectable and they can be chosen by your joystick and moved wherever you wish. In fact, most selections of TI ARTIST are selected by using your joystick although the keyboard can be used.

The Fonts section simply allows the entering of text into your picture and additional features are included in this section to aid you in this process....

The INPUT DSR section is a powerful interface allowing the user to load drivers for alternate input devices. Drivers included are ARTMOUSE for the Myarc mouse, MRCHA for the Mechatronice mouse and JOYST for joystick (default). Also on the disk is a "README" file detailing how to write device drivers to add additional input devices.

The Movies section allows the user to create short animation sequences by adding a group of frames or drawings together. Sequence speed is selectable and is played using a PLAY program which is also public domain. So your movies can be passed along to other TI owners to view. A sample movie is played when TI ARTIST PLUS boots

up.

The Print option looks totally different from the original Print section. This section allows the printing of your picture to a printer. One to three pictures can be printed at once. Pictures can be upright (portrait) or rotated (landscape), printing may be light or dark (high or low density), pictures can be separated or joined or you can go directly to a printer or to a disk file. TI Artist can use any Epson compatible printer and drivers are included for Canon, CGP220, GP100, GP250, GP550, NX-1000 Rainbo, OK192 and Prowriter. A program is included to allow the creation of drivers for other printers.

The Vector section is really a strange addition which allows for special effects in your drawing. One option in the vector section is scaling which allows the making of sections of your picture larger or smaller. Also in this section you can rotate, spin, tip, etc... your picture.... Furthermore, the special effects of this section allow the user to bend sections of the picture in all sorts of strange ways making for some really special effects in the drawing.

The documentation was a little sketchy on a few options but in general it was good with a 40 page manual and a readme file on disk. As for the program itself, it is for the most part easy to use but just a little more complicated than the original program. For users who have double sided or double density drives the programs can be placed all on one disk while single sided, single density users will have to do some disk swapping. However, a path can be set up where several drives can be searched for needed files if you have more than one disk drive.

TI ARTIST PLUS is, in my opinion, the most versatile, user friendly, most feature packed graphics drawing package available for the TI-99/4A! Whatever your drawing needs may be or if you just want to play with drawing pictures, or even use the hundreds of pre-drawn pictures that are out there TI ARTIST PLUS is it.

The program sells for $24.95 plus $2.50 shipping from Texaments of 53 Center Street, Patchougue, NY 11772. Owners of the original TI ARTIST may upgrade by sending the original disk, the front page of the original manual and $14.95 plus $2.50 shipping. User Group discounts are available, if there are enough people interested. The program comes on disk and requires the usual 32K, XB, and a disk system. The program will also run on the Geneve and is compatible with most RAM Disks.

from Pomona 99ers - May '90

TI-Base users rejoice. A TI-Base Users newsletter has begun. Bill Gaskill is publishing it, so it will be good, if not Great! Bill has been writing articles and programs for the TI for several years that are very worthwhile. The TI-Base newsletter costs $3 per issue. It's issued every other month. It started with January 1990. His address is P.O. Box 2642, Grand Junction, CO 81502.

If you send Bill $14, he will mail you his 1989 booklet of Four-A/Talk. This is a volume (well done) of his published articles in 1989 covering the TI community - past and present, new programs and products description and sources of various TI information. (This volume will include much more than has been published in SW99ers newsletter, due to space restrictions. ....BJ)

## FAIREWARE - ANOTHER LOOK

### by Tom Wills

Faireware, that boon to the TI community. That fabulous way to get programs of excellent quality for little (or no) money. What a fantastic idea this is. Just think, you can get a great word processor or disk manager or even a mind challenging game for little investment! And if it isn't what you were looking for or you decide you don't really want it after all, delete it from your library and you aren't out any money, except for the cost of downloading the file, if you got it via a modem.

Faireware is known by several different names. They include Freeware, Shareware, Trialware, Fairware, Faireware (the spelling I prefer), etc..., but none of them is known as Public Domain! Nor are they commercial, you know, buy the program, and if you don't like it, too bad.

Faireware has been around almost as long as the home computer has been around. If it wasn't for the Faireware concept, our computer probably would have disappeared from the scene years ago. But, thanks to people like Barry Boone, Paolo Bagnaresi, John Birdwell, Charles Earl, Bill Knecht, Clint Pulley, William Warren, and many other, far too numerous to mention, we are still around, better than ever.

We owe our very existence to the unsung heros of the TI community, those overworked, and underpaid, Faireware authors. Which brings me to the real heart of this article, underpaid!

How many of us have even the vaguest idea of what is involved with the writing of a major program? How many

hours do these authors put in writing, testing, rewriting, retesting, marketing, debugging, rewriting, retesting, upgrading, sending out updates, etc... I really don't think most authors can give you those figures, except to say "...lots of hours!". But, there is more involved here than just time. What about wear and tear on the computer, not to mention the author and the author's family. And what about electricity? The last time I checked, electricity still wasn't free. And what about materials? Disks and paper aren't free either.

And what about the intangibles, like talent, knowledge, dedication, availability, etc? You can't put a price tag on these factors. And what is the usual asking donation? Anywhere from $5 to $15. Of course, you can donate more, or even less, if your conscience so guides you to do so. I can't even begin to estimate what the hourly pay is for the average Faireware author, but I would lay odds it is only in the cents per hour range. Maybe even in the fraction of a cent per hour range.

And why do they keep doing this? I don't know, but I bet most of them would answer something like they believe in the TI-99/4A! And now, we have those same people, and some new ones, who are doing Faireware projects for the Geneve 9640. Come on people, send in the small donations to these authors! We have already had some throw in the towel because of the response by the TI community. They don't send in the donation, then have the nerve to complain to the authors that the program doesn't work right, even though they have had it for a long period of time!

Why don't we send in the donations? I've thought about that, and have several thoughts on this issue. Some, not many, but some, really can't afford to send any cash for many reasons. Those I feel we can excuse, as I wouldn't want them to lose the use of their computer due to financial hardships.

Then, there are the lazy. They will, someday, if they think about it. Someday never seems to come. In the meantime they continue using the software. Some feel a tinge of guilt, while the rest apparently do not. And of course we have those who feel the TI community owes it to them! Unfortunately, I'm afraid we'll always have that kind around us. They are the same ones who feel they own the road, and the laws are meant for everyone else.

But, I feel the largest group of non payers are those who call the national BBS's (Compuserve, GEnie, People Link, Delphi, etc.) or who call TI BBS's via long distance. The feeling here is that "I had to pay for the downloading of the program, so that is good enough."! Come on now, get real!! No one told them that they HAD to call a BBS and download a program. It was done because the WANTED to! And how long does it take to download the average program? Ten minutes or so. And the cost, well, there is

a large variable here, depending on time of day, distance, BBS service, baud rate, etc. But, I don't believe the average cost of downloading the program can be more than a few dollars.

I have spoke to several Faireware authors, Jim Reiss, Don Shorock, BJ Mathis, and Gary Cox. They all indicated that the person who downloads a program via a BBS is the one LEAST likely to pay a small donation for a program. These people are the ones who apparently can most afford to pay. If they can't, maybe they shouldn't be calling non-local BBS's.

Jim Reiss told me that he only received one check for his program PIX! One check! And, that check was mine. Don Shorock told me that he has received no donations from people who downloaded his programs form online services. BJ Mathis told me only a couple of the donations she (and her co-author, Husband Jack) received were from people who downloaded their Timp-Print from online BBS services. Gary Cox indicated it wasn't a problem with him, as his programs were from several years back, before the BBS services became as important to the TI community as they are today.

I would hate to see all BBS services go to the extreme that Delphi has, but it may be necessary. Delphi charges a fee for downloading Faireware programs. It isn't a large or unreasonable fee, but they do charge one. This way the Faireware author gets something for his efforts. The person downloading the program still has the obligation of sending in his Faireware donation. Maybe ALL the services will have to go to this method. I hope not. We in the TI community have a reputation of being cheap, and of being pirates. Isn't about time we change this image. Think hard, have you contributed to this image? If so, then do something about it. Send out some donations, TODAY! If you don't send a donation, don't use the program anymore, and above all, do NOT expect the author to support your problems.

And, as to the Faireware authors, remember, we as a consumer, expect certain things from you, the merchandiser. If the software is upgraded, get the word out to the consumer. Send in a notice to MICROpendium. Call some BBS's, and the national services. Let us know! And, don't be afraid to ask a handling charge for the update, after all, it does cost you $$$'s to do this also. Be responsive to our questions and problems with your product. Be supportive, as most Faireware authors already are.

Now that I have this off my chest, I feel better. I just hope everyone reading this does some real soul searching. We cannot afford to lose any more Faireware authors if we expect our computers to continue to be the success story that they are. remember, it is up to each and every one of us to determine the future of the TI-99/4A and the Geneve 9640 computers. Don't let them down!

# TAPEMASTER VER.1.1

*Review by Ida McCargar*

Tapemaster is a Fairware program written by Colin Christensen, 17 Centaur Street, Redcliffe, Australia 4020, a member of the Brisbane User Group.

When you load the program, it presents you with a menu of the disk, listing Basic, ExBasic and memory image files. You move the cursor down the list, marking the ones you want to copy with a C, cancel those you don't want with the space bar or X, and typing "A" for All, just as in DM1000. As each file is marked, the status line at the bottom is updated, showing the number of files marked for copying and the total cassette recording time. The program allows 8 seconds at the beginning of the tape and 4 seconds between programs. When you have finished marking the files you want copied, just press Function 6, start the cassette recorder running and take a coffee break. The program does the rest and lets you know when it is finished.

If you have 2 recorders with appropriate cables, you can record to two recorders at once. The program automatically copntrols the CS1 (and CS2 if you use this option) motor(s), starting and stopping them at appropriate times. This program makes it easy to copy a number of programs to cassette without spending a lot of time winding and rewinding tape, loading programs, etc. I have used the program and it works very well. There are some programs that are not suitable for copying, such as programs that access data files on the disk. The docs explain how to recognize programs that can't be copied.

If you have friends who have only a cassette system and you would like to give them some programs, this program can save a lot of time and effort. If you find it useful, the author suggests that you give him some encouragement and incentive to continue his programming efforts. I believe this programmer is the author of Hardmaster, the sector editor for hard disk, available from Asgard. If you ever copy from disk to tape, be sure to try this program.

# CORCOMP INFORMATION

*from a letter in TICO TopIcs*

CorComp has been taken over by a new compnay. Their letterhead reads as follows:

INTERNATIONAL
DIVERSIFIED TECHNOLOGIES, INC.
2211-6 E. Winston RD, Anaheim, CA 92806, USA
(714)635-1815, Telex 9102400820, Answer Back: IDT UQ

The company still manufactures and repairs CorComp items. For in or out of warranty service, you must call (714)956-4450 to get a RMA (Return Material Authorization Number). Of course, you are talking to a tape and you give all the information.

Your RMA, when received comes with instructions as to what you do. You must prepay, and as of 2/2/90 the price was $50 for each individual item except it was $20 for the PIO Plus and IBM connection. The new address is not N. Tustin Rd. as may be listed in your old manual. It is:

IDT, INC.
2211 E. Winston Rd, Suite 6
Anaheim, CA 92806

Should you want to talk to a live voice, call the number in the IDT letterhead above.

Tex Comp is a distributor for CorComp. The catalog I received with my order pretty much explains why (on Pg41) the other houses dropped CorComp. The catalog has a price of $2 on the cover, but you might get one free by calling the order number. You definitely get one by ordering something and will stay on their catalog list. The order number is 1-818-366-6631. Once again, you are talking to a machine so that you cannot check product availability, or without a catalog, the price. They do ask for an evening telephone number, and I think they will return your call, but it may take a couple of days to get around to it.

To get immediate attention, call 1-818-933-5606 and ask for Jerry Price (owner). That's who I dealt with. The catalog does not list special shipping, but even through the order number, I beleive it can be specified. If not call Jerry, and arrange for red (overnight) or blue (2 day) shipping when in a hurry. You pay the extra freight. Using a credit card will cost an additional 3% of the base price.

# ALTMAN'S FAIRWARE LIST

*by Steve Mehr - LA 99ers - 5/90*

Officially, as of Fest West '90, the continued care and feeding of Dick Altman's Fairware List will be supported by the SouthWest Ninety-Niners in Tucson, Arizona. I have received tremendous support from the TI community since taking over the list myself, and now I pass the list on to Ida McCargar, BJ Mathis, and the SW99ers to further its existance. Any information requested concerning the Fairware List should be directed to SouthWest Ninety-Niners, PO Box 17831, Tucson, AZ 85730. Of course, if anyone contacts me regarding the list, I will still provide any information I can.

## TI MULTIPLAN V 4.0

*Review by Audrey Bucher*
*Pittsburgh User Group - 5/90*

I just received the new Fairware enhancment ofo the TI Multiplan Package by R. A. Green of RAG Software. The updates have been made to the Multiplan version released by Texas Instruments to all user groups.

The disk is a floppy and contains the standard version for those who use the MP cartridge. The flip side is for Gram devices (PGRAM or GRAM KRACKER).

Features include:
1. Almost a 50% reduction in run time.
2. Patches documented for default filenames.
3. Slight change in entering default disk, to accomodate Hard Disk users.
4. An MP Startup Loader for RAM Disk or Hard Disk users.
5. Patch documented for setting screen colors.

I compared the recalculation of a large spreadsheet, using the old version and RAG's new one and did indeed find the new one to be much faster.

Simply copy the files, MPBASE, MPCHAR, MPDATA, MPINTR, AND OVERLAY to your old MPlan disk and you are ready to go. In an article I wrote on MPlan in the December 1987 issue of the Peripheral (Pittsburgh UG newsletter), I mentioned the time it takes to initialize MPlan and the response time when it is working with the overlay file is affected by the location of the files on the disk. I don't know if this hold true for version 4.0. However, I did copy the files one at a time in the following order: Overlay, MPHLP, MPCHAR, MPDATA, MPINTR, and then, MPBASE.

I really dislike white characters on a dark blue screen and always hit the space bar 11 times before loading the MPlan disk. This gives me black characters on cyan. Imagine my surprise when, after doing this, MPlan v 4.0 loaded with white characters on dark blue. I wasn't pleased with that.

However, included with MPlan v 4.0 is a public domain program called Ragpatch that will lay assembly patches into your program.

In his review in March MICROpendium, Harry Brashear mentioned he had read the docs for RAGPATCH, and couldn't understand a single word of them. Needless to say, I didn't understand them, either.

But since the desire to change my screen colors was so great, I decided to brave it and use the patch included on the disk. I loaded SETUP/STD into Funnelweb and proceeded to change the screen color from F4 to 17. While I was at it, I also edited the Default drive to DSK2. I saved the

file and then loaded RAGPATCH thru the Option 5 loader (Program file).

Presto, in a matter of seconds, the patch was made. Now I no longer need to use the space bar to obtain the colors I want and no need to use a sector editor to permanently change the default drive.

I'm sure I will never write a patch (which is what the docs for RAGPATCH are explaining) since I don't understand assembly language. However, I was happy to have the patch available to edit and use. Also included is a patch for setting up Hard disks and RAM disks.

If you use MPlan, I'm sure you will appreciate version 4.0. It is available from:

> RAG Software
> R. A. Green
> 1032 Chantenay Dr.
> Cloucester, ONT
> Canada K1C 2K9

## HFDC CONTROLLER

*by BJ Mathis*

Last month I wrote about the problems I was having with the Hard Floppy Disk Controller on my TI-99/4A.

The problems with word processors seems to have been caused by a bad memory card. However, I still cannot sector edit files on floppy disks. I have tried Disk Utilities v.4.13 & v.4.2, Sector One, Hard Master. PRBASE also works much like a sector editor when updating records, it will work sometimes!

I have tried different consoles, ExBasic modules, and Memory Cards. We tried using the HFDCC to control only the Hard Disk, with a CorComp controller to control the floppies. With that configuration we could do the sector editing on the floppies, but could not use MDM5. It took some doing to get MDM5 to load, but even after we did, it consistently locked up.

Anyone having any comments or similar problems, please write to SW99ers. We will try to co-ordinate the information and get it to Myarc.

# REWARD OFFERED

## from West Penn 99ers - Mar'90

A reward of 500 microfarads is ofered for information leading to the arrest of Hopalong Capacity. This unrectified criminal escaped from a Weston Primary Cell where he had been clamped in ions awaiting the Gauss chamber.

He is charged with the induction of an 18-turn coil named Milli Henry, who was found choked and robbed of valuable Joules. He is armed with a Carbon Rod and is a potential killer. Capacity is also charged with driving a DC motor over a Wheatstone bridge and refusing to let the band pass.

If encountered he may offer series resistance. The electromotive force spent the night searching for him in a magnetic field, where he had gone to earth. They had no success and believe he returned Ohm via a short circuit. He was last seen riding a Kilocycle with his friend Eddy Current, who was playing a harmonic.

## WISE BUYS

*The following information is provided as a service to our members. The items listed are for sale by the individuals indicated and are subject to prior sale. The group assumes no responsibility for items listed and makes no claims as to their condition or interface capability with the TI-99/4A computer. Only computer related items will be accepted for publication in this newsletter.*

TI-99/4A Console $25; Expansion Box w/32K, TI Controller, SSSD drive, & RS232 $250; Multiplan $10; Adventure w/disk, Hunt the Wumpus, Jaw Breaker II $4 ea; Parsec $3; Personal Real Estate, Household Budget Management, Home Financial Decisions, Securities Analysis, Early Learning Fun, Munchman, Hangman, The Attack, Tombstone City, Chisholm Trail, Car Wars $2 ea. Books: Compute's Guide to TI-99/4A Sound & Graphics, Programs for the TI Home Computer, Games TI's Play, Texas Instruments Software Development $3 ea; 36 Texas Instruments TI-99/4A Programs for Home, School, & Office, Free Software for Your TI-99/4A, Compute's Programmer's Reference Guide to TI-99/4A $2 ea. Call Jack or BJ (602)747-5046.

Parsec $4. Donkey Kong $8. Call Dick Paschal (602)790-4779.

Complete TI System, Console, PE Box w/all cards, 12" B&W TV, TI Printer, Speech Synthesizer, Cartridges and books. $400 takes all. Call Les Keff (602)327-6437.

TI-99/4A Console, TI-99/4A Monitor, Axiom Interface, Personal Real Estate, Home Financial Decisions, Home Budget Management, several books, $140 takes all. Call Ed Hill (602)744-1169.

TI-99/4A Console, Speech Synthesizer, ExBasic, Mini Memory, Cassette Player, Joystick Adapter, many other game & educational modules. $120 or best offer for all. Call Art Gorosave 883-2303.

TI-99/4A Computer set up w/3 disk drives and printer. Includes manuals, plus E/A, Tricks, Writer, ExBasic and other programs. Nearly new, local group was short lived and the stuff has been in the closet ever since. Sell all or part for best offer. Gene Farland, PO Box 6519, Yuma AZ 85366-6519

TI-99/4A Console, Expansion box w/all cards, ExBasic, and 11 other cartridges (mostly games). $300 takes all. Call Bill Williamson 586-2281 or write HCR Box 1933, Benson, AZ 85602.

Smith-Corona Fastext 80 printer w/manual, and Printerf (instructional software especially for this printer from McWare). This printer is mostly Epson compatible for text. Contact Pam Elliott (816)534-7790 or BJ 747-5046 for address.

99/4A Console, Speech Synthesizer, Extended Basic, TE-II, Parsec, Tombstone City, Blasto, The Attack, and Car Wars. $90 takes all. Call Danny Stern 397-3839.

99/4A Console, Expansion unit w/32K & 2 disk drives, joysticks, Speech Synthesizer, dual cassette cable, Extended Basic, Logo II, Personal Record Keeping, Hangman, Video Games 1, Munch Man, Addition & Subtraction 2, Reading Fun, plus additional modules, books, & magazines. Asking $225 or best offer for all. Call David Keathly (214)733-1079(h) or (214)733-7097(w).

FROM SOUTHWEST NINETY-NINERS: Feb '90 Disk Library Catalogs $1 ea. Munchman, Personal Record Keeping, $2 ea; Printer Ribbons: Star Micronics NX-1000 Rainbow $9, NX-2400 $4.50, NX-1000 $4, NX-10 $3, Gemini 10X $1. Tractor feed 1-across mailing labels 500/$1; Disk Labels 50/$1; Cassette Cables $3; Overlays $3. Books: Home Publishing on the TI-99/4A Supplement $3 w/2 disks $10.50; Starting Forth $12, Pocket Guide to Forth $5, Discover Forth $5, Thinking Forth $10; The Writers by Harry Brashear $3; Using & Programming the TI-99/4A $4; TI-99/4A BASIC Programs w/cassette $5 - Book only $3; TI-99/4A: 51 Fun and Educational Programs, The Elementary TI-99/4A, Compute's TI Games, Compute's TI Collection Vol 1, How to Feel at Home With a Home Computer, Computer Playground $2 ea. Call BJ or Jack (602)747-5046.