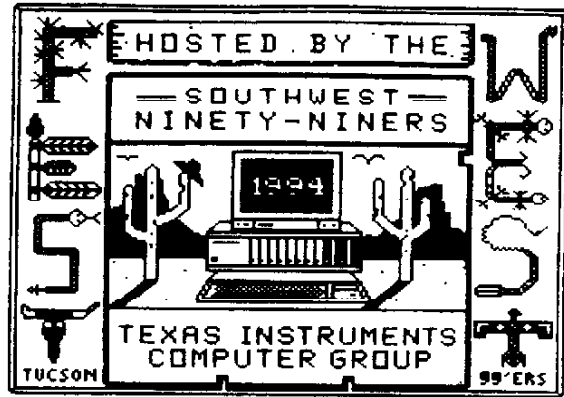


SouthWest Ninety-Niners

July 1993

P.O. Box 17831 Tucson, AZ 85731
(602)747-5046



Pres - BJ Mathis VP - Rod Stallard Sec - Ed McCullough Tres - Mike Doane
Newsletter Editor/Library Chmn - BJ Mathis Cactus Patch SysOp - Tom Wills
Newsletter Librarian - Leonard Taffs Disk Librarian - Richard Baron
Lending Librarians - Tom Wills & Matt Matthews

Disk of the Month July 1993

by Mike Doane

The blame for the DOM this month goes mainly to David Ormand! Two of the programs on the DOM are due to his efforts.

The utility loader is from Art Gibson and he has released it as a "Public Domain" program. No fee or charge! You could always be nice and send him a couple o' dollars or drop him a line to let him know his work is appreciated! People like him are why we still have a computer! I have the greatest respect for you programmers out there! You keep on plugging away without much encouragement. We do care! Thank you a million times for all you do and have done for us ingrates out here.

MINESWEEP is a game program for the IBM which David Ormand has rewritten in "c" for the TI99-4/A. It is an addicting and fascinating logic game (which figures, coming from David!). He has included a lengthy document file named "README.MINE" which covers the game. This is a good game to while away these hot summer afternoons. The first 4 or 5 times you play, it will confuse you. You will quickly get the hang of it and pretty soon your computer chair

will be growing cobwebs! There are three levels and the "expert" level will keep you thinking!

WORD is a word-counter program originally from Dave Lovering in Canada. I found it somewhere and could not get it to work. I called Dave and he was good enough to upload the source code to the Cactus Patch (Many thanks, Dave). David Ormand rewrote a file to enable it to run from "BOOT" with the X-Basic cartridge installed (originally you had to have the Editor/Assembler cartridge in the port).

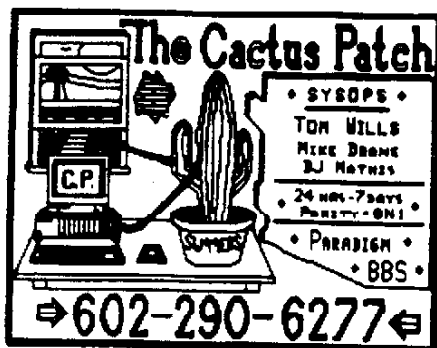
It is a fast word counter for your DV-80 files. You simply load up WORD, enter the disk drive number and file name you want counted and press "Enter". The program scrolls the words onto the screen and then displays the total at the bottom. It will count 1800 words+ in less than a minute. It is also written (and re-written) in "c".

I have included some patriotic music (it is the 4th of July, you know!) and I have included some graphics in the songs. I hope you enjoy them.

Remember! If the file name says "READ" or has a "DV-80" included in the name, you can not run it from the loader program! Use a TIWriter program or it's ilk to "view" that file.

I tried to load this month's DOM with things to keep you inside. It is too hot outside and I would rather have you at your computer than watching the "idiot box".



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). Non-members should send \$2 for each DOM requested.



SW99ers Treasury June '93

by Mike Doane

This month's Treasurer's report is a compilation of all the activity we have had in the first half of 1993. I will get the monthly report in here first.

Balance 05/24/93	\$1013.94	
INCOME:		
Memberships	\$80.00	
Library Sales	\$20.50	
Ribbons/Disks	\$64.00	
SUBTOTAL	\$1178.44	
EXPENSES:		
Newsletter/postage	\$24.62	
Liabilities PAID!! (I bet you never expected that entry!)	\$159.03	
SUBTOTAL of expenses	\$183.65	
Working Bal. 06/27/93	\$994.79	

I have not received this month's bank statement, so there is no change in our Savings Account Balance of \$90.12.

Financial Report for the first half of 1993.

BEGINNING BALANCE	\$1097.51	
Income Totals:		
FestWest '93 profits	\$196.59	
Membership/Adv.	\$592.50	
Library	\$358.50	
Ribbons,disks, etc.	\$230.50	
Equipment Sales	\$314.50	
*Cactus Patch Support	\$24.00	
Misc. Income (side bets, money skimming profits,etc.)	\$159.14	
Total Income:	\$2973.24	

Well, that looks good, now for the painful part!

Expense Totals:		
Newsletter/postage	\$247.86	
Ribbons,disks, etc.	\$277.75	
Library costs	\$71.67	
Equipment purchases	\$397.28	
Cactus Patch support	\$240.00	
Savings account Dep.	\$50.00	
Misc. Expenses	\$693.89	
Total Expenses:	\$1978.45	
Balance 06/27/93	\$994.79	

Well, there you have it! I hope you found this article useful and informative (not to mention, fictional!).

*(We have received more for Cactus Patch Support than this, but I did not start listing it as a separate category until a couple of months ago).

June SW99ers' Minutes

Tuesday June 1, 1993



1. Al Armstrong conducted the Question and Answer period.

Q. Do we have a program for the TI-99/4A that deals with Stocks and Bonds Projections?
A. One can set up such a program in Multiplan. For those who do not have Multiplan, it is available from time to time, priced from \$5 to \$25, at the SWAP-MEET, in our Group Inventory, or from a local individual.

2. Matt and Jeane Matthews attended the Lima OH Fest last month. Matt talked with Ted Kieper of Competition Computers, who asked for eight tables for FestWest94. He also talked with representatives from several other vending agencies: Asgard plans to send a representative; Bud Mills plans to attend, and he provided Matt with a copy of HORIZON ROS Version 8.14F to distribute to the members of our Group who own the 4000 Card. Others Matt met were: Charles Good, Jim Peterson, Bruce Harrison, Barry Traver, Jack Sughrue, Ken Gilliland and Dick Beery, to name several. There were approximately 40 vendors and User Groups represented and upwards of 200 people were registered.

3. Brochures have been obtained from the Visitors Bureau that will be used to make up the packets which will be mailed out to those vendors and other interested agencies and individuals we are inviting to attend FestWest94. They will be mailed by the end of June.

4. We are working very closely with the Staff of Park Inn International (Santa Rita). They are very nice people to work with and we don't anticipate any change in ownership, like we experienced in 1990. The Staff is very cooperative and has given the Group many more considerations than we had anticipated.

5. We are still in need of volunteers to do demonstrations. Members should consider doing a Demo on things they have been working with, such as modifications or other types of improvements on their favorite programs. Do a Demo, so you may receive recognition for your efforts, and the Group members may benefit from your accomplishments.

6. Tom Willis has agreed to take about half of the Lending Library, and the remainder will go with Matt Matthews to Safford.

7. DAMARK has indicated that they are out of the Pocket Modems. Tom Willis advised that Office-Max (formerly Biz-Mart) has Hays 2400 BAUD Modems on sale for \$40.00.

8. Dave Ormand has made available a Notebook of Library Listings of programs available on GENIE. There are a lot of new GIF files and Sound files. Dave reported that GENIE has restructured its fee schedule - \$8.95 per month and \$3.00 per hour on non-prime-time, with the first four hours free.

Ed McCullough, Secretary

IBM Power & Regulators

by Mike Doane - June 1993

It has become alarming to hear of the amount of Texas Instrument users who are creating problems with one specific hardware update!

I am speaking of the conversion of P.E. Box power supplies. I am a strong advocate of changing the internal power supplies to an "IBM" style of transformer. It is an improvement which is long overdue and I am glad to see it being advanced.

There is one major fact which has been overlooked by every article I have read however! I have also noticed the fact almost everyone who has "converted" a PEBox claims no depreciable reduction in heat in their "cards". The problem is created by the modification they have done.

The regulators on the cards themselves are still being activated! They are being "back-fed" through the output leg by the cards themselves! This in effect "tells" the regulators they are still active!

The purpose/object of a regulator is to restrict voltage to a specific level and dissipate the excess voltage in the form of heat transfer. In the normal state of things the unregulated current enters the input leg, is regulated, and exits the output leg to supply the "card" with constant, regulated voltage.

What is done, in essence, with the "jumpering" (connecting a small piece of wire between the "input" and "output" legs) is to tell the regulator it is being activated (through the "input" leg) and then telling it, it is "not" working through the "output" leg! Regulators are not very smart. They are designed to work by discerning the difference between power-in and power-out. We in effect "lobotomize" their "thinking" process with the "jumpering" process. They are not designed to be activated without a specific amount of voltage supplied to the "input" leg. This is usually a figure of approximately 1 1/2 volts above it's voltage rating (in the case of a +5 volt regulator this figure would be 6 to 6 1/2 volts), the card then sheds the excess voltage and supplies the needed voltage. We are creating a "mental breakdown" by introducing power to both legs! The regulator is still "ACTIVE" even though you jumper it! It is still attempting to regulate the power and is creating heat!

I speak from experience on this. We (Tom Wills, Jack Mathis and I) managed to physically explode a 7805 regulator and blow a 1/4" hole completely through a MYARC HFDC! The cause was from jumpering the regulator! It was an expensive and frustrating lesson.

The fix for this is simple. REMOVE the regulators and THEN jumper across the input/output legs! Why would you want them on there anyway? If the power supply you have installed "surges", your card is toast anyway!! Since you "jumpered" the regulator the power is going right past it! Don't tell me it is so you can simply remove the jumper and install it in a non altered box. You are better off NEVER "swapping" your system cards between different systems (between a "standard" TI PEBox and an "updated" one). I don't care how many *WARNING* labels you put on the card, you are asking for trouble!!!

I, in fact, recommend ALL your PEBoxes be converted to the "IBM" style power supplies. The cost is so low and the price of repairs to your cards is high you really can't afford not to. \$30 for a power supply as opposed to \$50 minimum repair cost (if shipped to an outside repair facility) is a real bargain!

As usual, I must make the disclaimer of *ANY AND ALL MODIFICATIONS/REPAIRS TO YOUR SYSTEM AND IT'S RELATED COMPONENTS ARE DONE WITH THE FULL ASSUMPTION OF OWNER/REPAIRPERSON'S RISK*.

Tom's Observations

by Tom Wills



Correction

In last month's newsletter, I made reference to Jack Mathis being gone for a period of eighteen months. I got my signals crossed here. I should have stated Jack will be in Korea for twelve months. I guess it will only seem like eighteen months. Sorry Jack, don't want to make it any longer than necessary. BJ, Tim and Chris Mathis will, of course, still be able to be reached at their Tucson address. Jack's address until June 1994 will be:

TSgt Jack C Mathis
19th TASS
PSC 3 Box 5614
APO AP 96266-5614

Cactus Patch Update

The Cactus Patch is now a closed BBS. In other words, only TI-99/4A and Geneve users are being allowed in. The reason for this drastic action is two non-Tiers were abusing the privilege of logging onto Cactus Patch. One Commodore user was logging onto Cactus Patch repeatedly as Adolph Hitler. I'd delete Mr. Hitler from the user list, and he would log in again. We sysops think we know who the person behind this charade is and he is under a constant watch (we think he was already logged onto Cactus Patch under his own name).

The second person was an IEMer who embedded special control codes into his name and caused Cactus Patch to crash every time it tried to read that string. As luck would have it, I had backed up the system just before this person called. I was able to restore the system and everything went on its merry way.

It was decided Cactus Patch didn't have to tolerate such behavior from non-Tiers, thus the decision to "close" the BBS to outsiders. All TI and Geneve users from everywhere are welcome to log onto the BBS. It is just those who are not TI or Geneve users, or those who cannot pass the ALT-P test who are being turned away. As the non-Tiers are being turned away, they get a message informing them of the reason for this action.

It is too bad we had to take such measures, as there are only a few non-Tiers who make it bad for all the others. This action may be reversed sometime in the future, but it won't be for at least several months. I do want to reverse this stand as non-Tiers do add to the credibility of our BBS in their own way.

Non-Tiers previously logged on will not be removed, unless they cause problems.

BBS Workshop Soon

David Ormand has suggested the Southwest Ninety Niners hold a SIG, or some sort of workshop about accessing the Cactus Patch BBS. We did a demo of the Cactus Patch BBS at a membership meeting about a year ago. There seemed to be interest in the BBS at that time, however, usage of the Cactus Patch BBS by User Group members has not changed.

Currently there are about 23 members of the SW99UG logged onto the BBS. Of those 23, only about seven call Cactus Patch on a regular basis. Of the seven, only five are what you would call frequent callers.

Hopefully we can stir some additional interest in the BBS by User Group members with the holding of a one time SIG or BBS Workshop. The problem comes down to when and where. This will be discussed at the next membership meeting. If you have any suggestions, please bring them with you.

For those who may be interested in getting a modem, or upgrading to a 2400 baud modem. I have a suggestion for you. Check out Computer Mart on the southeast corner of Swan and Broadway (next to the ABCO store). They are selling Hayes 2400EC modems for \$40 (+ Tax). The 2400EC modem is a 2400 baud external modem. I bought one and it works fine. Let me qualify that. For it to work fine, it is necessary to add "&K4" to the modem initialization string. Without the &K4, the modem will not work with the XON/XOFF protocol that most BBS's, including the Cactus Patch BBS, use. This is a super deal for a modem, and a Hayes modem at that. Check it out.

Computer Mart is a business which has been in town for some time now, under a different name. Computer Mart had the computer franchise in the former Biz Mart store. When Biz Mart became Office Max, their franchise was no longer needed, so they opted to open a store of their own. Just thought you'd like to know that.

Me And My Scambox

A message was left on Cactus Patch to me about problems being caused in the TI community by people who grumble about the vendors. I suspect this message, despite the author's assurances to the contrary, was specifically directed to comments I've made criticizing some TI vendors, namely Asgard and OPA.

Thanks to Jim Krych of Asgard, I have now been able to open a good line of communications to Asgard. Jim has been able to reassure me of Asgard's intentions and future plans. Chris Bobbitt has done much to improve the image of Asgard and its product line. My hat is off to Chris and Jim and all the "cast and crew" of Asgard Software.

Most of my criticism had to do with their apparent thumbs down attitude toward the proposed TI standards. However, I have heard nothing of the standards for some time now and have no idea as to where they stand. ... or if they are now a dead issue. If anyone knows the status of the NCTIS and the standards, please let me know by leaving a message on the Cactus Patch BBS or to me on CompuServe. My CIS user number is 71550,3213.

Now that Asgard seems to have patched things up, I can deal with the OPA issue. I do not feel I am causing any problems in the TI community thru my criticisms of Oasis Pensive Abacutors and Gary Bowser. The reason being that I have been taken for \$45 by OPA. In May of 1992, Ida McCargar placed an order directly with Gary Bowser for a Geneve eprom that OPA supposedly had developed. This was done at

the 1992 TI Faire in Lima, Ohio. OPA/Gary Bowser did not have any eproms with him and promised Ida he would send them as soon as he got home. Guess what? I have yet to see the eprom.

I now hear Gary Bowser/OPA was at the 1993 Lima Fair as a vendor. That takes a lot of nerve in my book. He rips people off in 1992 and then shows up at the 1993 fair. Why? If he doesn't have the product to sell to start with, why was he there? Was he ripping people off again? If he doesn't have any product to sell, he should not have been there as a vendor. If he has product to sell, where is my eprom?

I have written to OPA/Gary Bowser several times including registered mail with return receipt requested just to be certain he got the letter. I've called OPA and was told he would call back. Gary has NEVER answered my calls or letters or returned my \$45.

I should hold my tongue and not make ripples within the TI community! Never!!! I feel the TI community needs to be warned of the antics of OPA. I cannot sit back and let others get taken the way I've been taken. If I had known he was going to be at Lima, I would have made arrangements for someone to retrieve my \$45.

I still must stay the course and recommend people never do business with OPA. The biggest problem is he is in Canada, and we don't have any recourse against him, and I'm sure he knows that also. So steer clear of anything that has OPA or Gary Bowser's name associated with it. If you fail to heed this warning, you have no one but yourself to blame when he doesn't deliver his product. Or return your money.

Fest West Update

Fest West is fast approaching. Yes, February of 1994 isn't that far away anymore. We have commitments from two vendors at this time.

Our first vendor mailing will be on its way soon. It will be a packet of information of why Fest West '94 is the Fest to attend. Along with that information will be flyers and other information as to why Tucson is a good place to come in February. Even if it gets a little cool for Tucson at that time, it is still a lot nicer than the northern tier of states during the month of February.

In order to make it easier for people to contact the Cactus Patch BBS and get the most current information on Fest West '94, two items have been added to the Cactus Patch BBS. One item is a message base devoted to Fest West. The second is a user available to all Tiers for ease of access.

The Fest West user is User number 94 (what a coincidence <grin>). The user name is Fest West. Another coincidence. And the password is FESTWEST. For those who have never called Cactus Patch before, do the following:

- 1) Dial 602-290-6277 with your protocol set at 8N1.
- 2) When prompted for the user name or number and password, enter in "94;FESTWEST<cr>". Just like that you will be on the Cactus Patch BBS.

I would like all who call the Cactus Patch BBS to leave me a message via Feedback stating who you are, what user group you belong to, and where you are from. Any other comments are also welcome.

I hope to see you all at Fest West '94, the Best in the West Again!!!

AMS/AEMS Memory Card

Main text by Chris Bobbitt

Foreword by Mike Doane

The following is a *README* file from the new AMS/AEMS (Asgard Memory System/Asgard Expanded Memory System) memory card. Asgard sent the new operating system disk to user groups. This enables us to examine the way the new memory card operates. I had intended to write an article on this new card but I find Chris Bobbitt's article says more and explains it better.

This is NOT an endorsement by the SW99'ers Users Group! I, myself, believe this card addresses (pun fully intended) one of the major failures/drawbacks of the TI 99/4A. The lack of available, programmable memory space has been a curse to programmers and users alike.

I have a card ordered and as soon as it is received, I intend to demo it (oh, no, not again!) at our meeting.

AMS Development System Introduction

Enclosed please find the completed AMS/AEMS Development Kit. This package, which is included with all AMS cards (and soon, AEMS ones as well), is fairware, and may be freely distributed by user groups and other organizations.

This package consists of the following items:

- AEMS System "Boot", version 1.2
- AEMS Macro Assembler, version 1.1
- AEMS Object Library, version 1.1
- AEMS Object Linker, version 1.0

Users of the development system are encouraged to forward a donation to the author, R.A. Green, if they find it useful. Additionally, users are encouraged to write or call with any problems found, so that they can be corrected.

While the amount of labor and time put into this project should impress anyone (our development team, including Art Green, Joe Delekto, Jim Krych, Tony Lewis and myself have been working on this project for over 2 years now), what does this all mean to the TI community?

Memory management, the design of memory systems, and programming for memory systems is a pretty esoteric discipline. The people involved on this team are the most knowledgeable people in the community on these issues - in fact, I would go so far to say only 20-25 people in the community can really appreciate their accomplishment, and perhaps only 5-10 could begin to duplicate it.

While the subject is pretty mind-numbing stuff to the average person, if it was solely an exercise to demonstrate technical skills, it would be fair for the community to just congratulate these guys and go back to sleep. However, while the complexity seems unreal, the reason why, and the ultimate results are very important to the future our community.

Why did we do this? Drastic times call for drastic measures. The TI community is dying because the 99/4A, as-is, can't be pushed much further. More capable software can't be written because there is no memory to put it in. New devices like MIDI interfaces, sound digitizers and multimedia are

impossible not because of a lack of speed, but because there is no place to put their data. Graphical user interfaces and desktop publishing, as well as traditional programs like spreadsheets, word processor and databases are hindered more by a lack of memory than anything else. Asgard realized this years ago when some of our more ambitious projects screeched to a halt - because we realized that while we could sketch out what we wanted on paper, there wasn't enough room in the 4A to run it.

While the Geneve was built to address this problem (among several others), we also came to believe it's a dead-end. Myarc used too many proprietary parts to cost-effectively produce the Geneve. Even if all the system software worked perfectly (which it may never do because of bugs in the hardware), the machine is simply too expensive to make. For this reason, we decided to focus our efforts on the 4A.

We then examined other memory devices available to see if they could be made to work as an Extended Memory Device (EMD). Virtually all of them were totally inadequate for the job. Only OPA's RAMBO came close, and it suffered from a wide range of problems - the major ones being unreliability caused by the fact that the memory card was used for other things (such as a RAM-disk), a difficult to use programmers interface, and very slow paging software and hardware. The fact that the designer of the device agreed with our assessment was no comfort.

The only way out of the problem was to go back to the drawing board and start from scratch.

On the hardware end we decided the only way to make a fast, reliable memory card for programs and data was to make a device dedicated to the purpose. This meant the card was only usable as an EMD and nothing else. This approach also offered the benefits of dramatically reducing the basic complexity and cost of the hardware design to not much more than that of a 32K card, and of reducing the chance of compatibility problems that has plagued other memory cards. On this basis, we ruled out trying to adapt other cards already available.

After thinking through the hardware, we began exploring what we needed to do on the software end to make it work. We began exploring "segmented memory systems" (as this kind of thing is called) used in the rest of the computer world. After much work, we decided the approach used by Intel with the 8088 (and TI in their 99/8 and 9900-based minicomputers) was the most applicable - the concept of overlays. Considering how much mileage the PC has gotten out of this idea, with inferior hardware, it seemed like a good idea to us.

After deciding on an approach, we began designing the hardware and the software. Early on we had to make a decision as to whether or not to put the core controlling software for our device as a DSR on the card or not. After considerable discussion, we decided a DSR would be a mistake. Why?

1. On a basic level, because the goal of our card was to use memory as memory, not as a device like a RAM-disk or an RS-232 card.
2. We found DSR based software executes much slower than RAM-based software - which is important considering the the core routines would be used constantly. Trying some scheme to load them from a DSR into RAM before executing would increase the hardware complexity and cost, and the chance of a compatibility problem, dramatically.

3. Along the same lines, any DSR would increase the chance for compatibility problems - the last thing we wanted to do was to waste time debugging problems with Myarc or Corcomp products caused by a DSR bug.
4. Lastly, DSRs are fixed. If you find a bug in it, the only way to correct it is to replace it. Consider all the trials and tribulations Myarc and Myarc users went through with periodic EPROM upgrades of the HFDC and the Geneve. Also, if software is written to work around a DSR bug, it may not work with an upgraded DSR.

In contrast, if the software is in RAM, the only thing we would have to do to correct a bug is issue an upgrade. Old programs written for earlier versions of the operating system software would continue to work fine, and new programs could take advantage of new features without worrying about hardware compatibility problems. This is the same reason Microsoft and Apple load their operating systems from disks, and not from ROM chips.

Finally, on a design level, we felt we couldn't make the system as easy to program for by trying to shove-in everything we needed into a little DSR. The AMS/AEMS development software takes up 5 DS/SD disks - much too much to squeeze into even the largest DSR.

After deciding on approaches for the hardware and software, the only thing left to be done was to implement it. Of course, implementing it DID take 18 months. While the difficulty in designing and building the hardware was nothing to sneeze at, for the most part the real innovation was in the software.

On the software end, the most critical piece was the Linker. This program does all the work of taking pieces of a program combining them together into a program that can be loaded into, and take advantage of the memory card. The Linker embeds controlling code into each program and its subroutines that makes sure everything is in the right place at the right time. The real innovation is it is able to do this without the programmer having to explicitly program for it. The only thing the programmer has to do is make sure his program obeys a number of rules 99/4A programs already generally do anyway. Once done, the Linker will generate a program theoretically up to 16Mb in size.

Another innovation is the Loader, which is built into the System Boot program. The loader takes programs created by the Linker and loads them into the memory card in the pages of memory designated by the Linker. Our particular version also functions as a "memory manager" - keeping track of memory usage, and allowing several different programs to be loaded at once (as you would a TSR or Device Driver on a PC).

Another critical piece is the Object Library. This file contains a range of subroutines that allow a program to ask for pages of memory and move data around in them. A programmer using these routines in his programs can take advantage of the memory to hold data without explicitly writing code to do so into his/her programs. Further, a Library Manager is included with the package that allows a programmer to customize the library.

Last, but certainly not least, another major component of the package is the Macro Assembler.

The most capable assembler available for the 99/4A or the Geneve, this macro assembler further simplifies the programmer's life by including common assembly and memory functions in macros. The assembler itself also takes advantage of the memory - giving you more space for labels (variables), and other things than you would normally have in an assembly program.

What does all this wonderful technology do that benefits non-programmers? Simply enough, it enables programmers to write programs for the 99/4A that are a match for the capabilities of PC and Mac programs, with no more effort than you would need to do so on a PC. While it doesn't provide an immediate benefit to a non-programmer, in the long run, non-programmers will benefit from what this device lets programmers do - and what they could never do before.

That is why this is so important to the future of the 99/4A. In fact, without a device like this, the 4A probably has no future. With it, the 4A has enough memory to keep programmers occupied and interested for years, and just as importantly programmers have the tools to use that memory.

Asgard Peripherals is proud of the accomplishment of these talented people, and that we had the opportunity to facilitate and support this kind of effort. We also want to make sure the product of their labor is not ignored. What we are doing is basic to so many other things we want to do, and to the computer in general. That is why we are offering to license the design of our basic AMS card to anyone and everyone at practically no cost. That is also why all the development software is available free of charge. Anyone who wants either can phone or write us. Thank you

Note 1: May be reproduced by anyone if unaltered.
Note 2: While AMS/AEMS was not designed for Geneve compatibility, we haven't forgotten 9640 owners. Watch this space for future announcements.

TI Fest West '94 Vendors

TI Fest West '94 Vendor Packages have been mailed. These packages contain information for vendors about TI Fest West '94 and Tucson in general. If you are a vendor, and have not received a package, please notify us immediately. We will be happy to add you our mailing list.

Vendors should be aware, the sooner we have your reservations for a booth or table, the sooner we can begin to advertise your intention to attend TI Fest West '94. With more vendors reserving booths or tables, we can all expect more users to attend and greater sales for everyone.

So begin planning, NOW for TI Fest West '94, in Tucson, Arizona on February 19th & 20th, 1994.

TI Fest West '94 - *The Best in the West!* Again!!

TI Fest West '94 Committee
 SouthWest Ninety-Niners
 P.O. Box 17831
 Tucson, AZ 85731
 Call BJ Mathis - (602)747-5046
 Tom Wills (602)886-2460
 Or Cactus Patch HBS (602)290-6277

Disc Days



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 compatibility with the TI-99/4A computer. Only computer related items will be accepted for publication in this newsletter.

TI Console w/RF Modulator
 Extended Basic, Speech Synthesizer
 Terminal Emulator II, Tombstone City,
 The Attack, Car Wars, Parsec, Blasto
 with manuals
 All for \$50

Danny Stern (602)297-3839

\$200 Complete TI System
 Includes: Expansion Box w/SSSD Drive
 TI Disk Controller, Memory & RS232
 Plus: C.Itoh Printer, Console, Speech,
 ExBasic, Multiplan & TI Writer

Norma McCargar (602)889-8401


\$150 Complete TI System
 Includes: Expansion Box w/SSSD Drive
 TI Disk Controller, Memory & RS232
 Plus: Beige Console w/dust cover,
 ExBasic, Tax Investment Record Keeping,
 Home Financial Decisions, & TI Writer

Larry Newman (602)299-2092 or \$10 on CP

Double-Sided 1/2 height
 TEAC Disk Drive - \$20

First Base by Warren Agee - \$10

Entec external power supply box. Has
 enough power for a hard disk and two
 full power floppies. Light toggle
 switches on front to control 3 outlets
 on the back of the box. Asking \$50.

"I.  My TI" White Hats
 Black Letters
 Red Heart
 \$5 Mesh Style
 \$6 Golf Style
 plus \$1 shipping

Tom Mills (602)886-2460 or \$1 on CP

MICROpendiums
 May, July, August 1985
 February, October, December 1986
 January thru October 1986 (10 total)
 February, May 1988

\$1 each including postage

Call or write: Ralph Jones
 2820 Juniper Ave
 Morro Bay, CA 93442
 (805)772-2947

\$100 Expansion Box w/SSSD Drive
 TI Disk Controller, Memory & RS232

\$15 TI 99-4/A Console
 \$15 Speech Synthesizer
 \$4 Replacement Console Power Supplies
 \$5 TI to Atari Joystick Adapter (single)
 \$5 TI to Atari Joystick Adapter (dual)
 \$10 Cassette Player/Recorder
 \$2 Replacement Keyboard

\$5 24-Cassette or Module Drawers
 \$7 36-Cassette or Module Drawers
 \$3 Flip N File for Diskettes

50/\$1 Disk Labels
 500/\$1 Mailing Labels
 Tractor feed 1-across

TI Keyboard Overlays \$3ea or 5/\$10
 Modem Cables 6'=\$8 (Telco ready)
 \$3 Cassette Cable

Diskettes
 25/\$7 (SN99ers only)

Jack or BJ Mathis(602)747-5046 \$3 on CP

Printer Ribbons
 \$3 NX-10 \$4 NX-2400
 \$2 Epson MX-80 \$3.50 NX-1000

Cassette Programs
 \$1 Teach Yourself Basic

Disk Programs
 \$2 Airline
 \$10 Hitchhiker's Guide to the Galaxy
 \$3 Touchdown

Modules
 \$2 Chisolm Trail
 \$2 Decimals I
 \$20 Extended Basic
 \$1 Household Budget Management
 \$5 Multiplan (no manual)
 \$1 Munchman
 \$1 Personal Record Keeping
 \$1 Tax Investment Record Keeping
 \$1 Terminal Emulator II
 \$10 TI-Logo II

Books
 \$1 Basic Computer Games
 \$3 Basic Programs for the Home
 \$3 Beginner's BASIC (Blue Book)
 \$2 Computer Playground
 \$3 Executive Computing - How to
 Get It Done on Your Own
 \$10.50 Home Publishing on the TI-99/4A
 Supplement \$3 w/disk
 \$3 Practical Basic Programs
 \$2 Programs for the TI Home Computer
 \$3 Programming Basic w/the TI Computer
 \$1 Sams TI-99/4A Basic Programs
 \$3 The Word Processing Book
 \$3 The Writers by Harry Brashear
 \$3.25 User's Reference Guide
 \$2 Using & Programming the TI-99/4A

BJ Mathis(602)747-5046 \$3 on CP

Membership Report

Fourteen SW99ers signed in at the June meeting. Geof Shipton, Wes Eng, David Wolfson, Ralph Jones, and Tim Abein renewed their memberships this month. SW99ers now has 57 current members. We will mail one hundred exchange newsletters and vendor packages this month.

Members Meet

First Tuesday, July 6th, Devon Gables Health Care Center (Exec Dining Rm.) at 6150 E. Grant across from the Price Club at 7:15pm. Chris Mathis will demo several games that have appeared on recent DOMs.

TI-Base Workshop

Second Tuesday, July 13th, 7:30pm. "Wills' Residence" 6925 E Kingston Dr - 886-2460.

Exec Meeting

Friday July 23rd, 6:30pm. Perkins Restaurant at Grant and Swan, NE corner. All SW99ers are invited to help with planning for our Users Group and Fest West '94.

General Users

Canceled for July and August. Anyone interested in hosting General Users in July or August, please contact one of the Executive Committee members.

Advanced Languages

Canceled. Anyone interested in hosting Advanced SIG, please contact an Executive Committee member.

August Newsletter Deadline >>> July 23rd, 1993 <<<

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Who Do Ya' Call?



Richard Baron - Disk Librarian 885-4812
Mike Doane - Treas/DOM Prep/Tech Asst .. 298-3835
BJ Mathis - Pres/Editor/Library Chm ... 747-5046
Matt Matthews - Lending Librarian .. 602-428-6910
Ed McCullough - Secretary 296-5183
Rod Stallard - Vice Pres 745-6071
W. Leonard Taffs - Newsletter Lib 795-4148
Tom Wills - BBS SysOp/Lending Lib 886-2460
Cactus Patch BBS 290-6277
(Area code 602 for all phone numbers above)

SouthWest Ninety-Niners/Jul '93



SouthWest Ninety-Niners
PO Box 17831
Tucson, AZ 85731

Have a Great 4th of July!

