Next Meeting
6:30pm Monday, January 8, 1990
Nevada Power Meeting Room
6226 West Sahara Avenue

PRESIDENT'S MESSAGE
by Rudy Johnson

Well, it's past the time, again, at which I should have written this and sent it to the newsletter editor, George. But, as is usual especially during this season, I am way behind in getting things done. The officers didn't get a chance to meet to plan plan the agenda for the January meeting even. At least I was able to stay in town on Monday so I will be able to attend this meeting (I am leaving Tuesday morning instead!) From what little I have heard of the December meeting, it seems as if it was a good get together. Maybe I can get a report on it at the next meeting.

The topics for the next meeting will include one demo at least. I was selected (apparently because I have been gone so often) to demonstrate the update to the drawing program that has become the standard in the TI world. The update is known as TI Artist Plus, and has several improvements and increased capabilities, which I will attempt to show in a good light. George Tilley has loaned me his update in this effort (as I have not yet sent in for mine.) Other items at the meeting will be a review of preparations that attendees of the upcoming Fest-West need to have completed. I had a conversation with BJ Mathis of the Southwest 99ers just after Christmas, and she told me that the hotel is nearly sold out except for the rooms that they have reserved for the Fest! Hopefully, we will be able to have all of our officers at the meeting so that we can get a line on where our treasury stands. Several members have money due to them, as well as several items to be brought up for funds.

Another area for the meeting is the disposition of some equipment which Joe Leavitt has sold to the group for a very good price. Joe has decided to leave the TI world and go to the Big Blue world (and that's not U. of Michigan either.) I hope that Joe isn't another ex-TIer who regrets having disposed of his TI gear it this situation and later regrets it. It is an oft repeated story in the newsletters we receive. We need to decide how to handle the sale of it to our members or possibly to take it to the Fest if there is no market here. Items (from my scribbled notes) include a new P-Box, 6 consoles, 2 acoustic modems, 2 new RS232 cards, and a number of modules. This seems to be an interesting collection.

My experience with my Geneve really deserves a separate article but I don't have time to write that much. I had been using the MDOS Version 1.14f with my Horizon Ramdisks at their full capacity. When I left after using the 9640 one weekend and returned the following weekend the system wasn't working the same! And I have not been able to get it to work the same way since! I have had so many things go wacko with 1.14f that I have shelved it and gone back to using Version 1.08. Sure would be nice if a stable operating platform would come out for the 9640 where everything works. I am still waiting for that. I have been trying to do some improvements to my TI article index implemented in TI Base, but have been frustrated by the quirks that show up with different versions of the operating system. I am plugging away and trying to work around the quirks. I also have had aspirations for some time on getting up to speed on FORTRAN 9640, but I haven't had time to fire it up with all the other things that show up in other programs. Enough on the Geneve problems. There are still a lot of things that I like about it, so at this point it is a push on the table.

I hope to see you at the next meeting. Since I haven't been to a meeting in several months a lot of you will have to reintroduce yourselves!

- Rudy -

BBS Report

by John Martin

HAPPY NEW YEAR!

It is still hard to think of it being 1990 already. Seems like just a year or so ago that I got my first 99/4A computer. Looking back, it's more like 7 years ago. It was Christmas, 1982. I was looking for a good, relatively inexpensive machine to learn about computers with. I chose the 99/4A because it offered the most computer for the money. I have never been disappointed with my decision.

Over the years, the dedicated users of this fine machine have consistently produced better and better software that pushed it again and again to new heights. Things that we thought were impossible to do on the TI because of it's small memory capacity (by today's standards) have been accomplished through efficient coding, modular programs, and downright clever programmers

Each year since I've had my TI (Yes, I do use a 9640 but still consider myself a TI user) there have been at least 1 or 2 marvelous programs, tools, hardware, or programming aids introduced.

In "the early days" things like Extended Basic, Multiplan, FORTH, TI WRITER, and Editor Assembler came to us from TI itself. These were and are important programs and programming environments that are still widely used today.

Then several 3rd parties started getting involved. Cortcomp introduced us to DSDD Disk controllers. Craig Miller brought us the Gram Cracker, Advanced Diagnostics, and Explorer. Myarc started making Hard Disk Controllers, Memory Expansions, and began working on what would be an upgrade to the 99/4A. Several members of the New Horizons user's group in Ohio designed a battery backed RAMDISK that would revolutionize program and file storage on our machine. Ralph Fowler pioneered what has become one of the lifelines of all TI user's groups when he wrote TIBBS, the first TI based Bulletin Board System. A father and son team from Australia, Tony and Will McGovern wrote what is generally acknowledged to be the premier environment (it's more than just a program) for the TI. Originally called Funnelwriter, it started out as an Extended Basic loader for TI WRITER. Over the years, more and more loaders and utilities were added until the "writer" part of Funnelwriter was dropped in favor of FUNNELWEB, a somewhat tongue-in-cheek reference to a poisonous spider found in the region.

There have been many more important programs that deserve mentioning. TI ARTIST, TELCO, PR BASE, TI BASE, FAST TERM, ARCHIVER, DISK UTILITIES, and REDISKIT just to name a few. I would love to write something about each one, but time just won't let me. My intent here was just to show that there has been a wealth of QUALITY programs and hardware offerings for our little orphan throughout its long (by computer standards) life. There is still a lot of life left in the 99/4A. The problem is that there are fewer and fewer of us dedicated users left each year. I think that is a real shame. Many of our number were lured off by Big Blue and the lure of megabytes (megabucks) programs. Others simply lost interest in computing altogether. Whatever the reason, our numbers have diminished. It has become more important than ever that
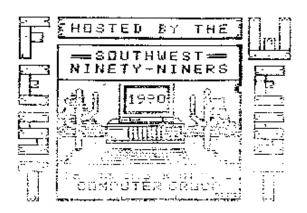
each of us participate and help one another. Without the user's groups, there would be no 99/4A today.

One more thing that has linked the 99/4A community together had it's beginnings in San Francisco back in 1982 if I am not mistaken. The then "only" magazine for the '4A was called 99er Magazine. They decided to sponsor a "TI FEST" and bring all the software, hardware, and user's group people together for a trade show. From the accounts I have read (in an early 99er magazine) the show was a success. About a year later, the Chicago user's group decided to hold their own "FEST". This show was such a success that they have made it an annual event. Soon, these shows were popping up all over the US. There have been shows in such places as Massachusetts, New Jersey, Ohio, California, Texas, Wisconsin and even here in Nevada.

There has been one consistent thread through each of these shows. They have become THE place to debut new software and hardware. To my knowledge, there hasn't been a "FEST" yet that didn't have some new program or hardware offering that hadn't been seen by the general public before. If you are interested in what's new and exciting for your computer, if you would like to put faces to some of the names that you find consistantly on your software, then the place to be is at a TI FEST.

The one show most familliar to those of us here in Nevada is the TI FEST WEST. This show has been held in Los Angeles, Las Vegas, and San Diego. This year, it will be held in Tucson, AZ. It is being hosted by the Southwest 99ers. The whole point of this article has been to remind you and excite you about the FEST WEST. If you are planning to attend and you will be staying at the Day's Inn Downtown hotel (where the FEST will be held), you need to make your room reservations NOW. According to the S/W 99ers, the only rooms left for that weekend (Feb 17-18) are the block reserved for Fest West guests. In order to be sure to get a room, you MUST make your reservations by Jan 16th. After that date, the rooms are on a first come, first served basis. Since the deadline is now so near, I recommend a phone reservation. The number is 602-622-4000. Be sure to mention that you are coming for the TI FEST WEST-'90.

We will be discussing the FEST at our meeting this month, so if you have any questions, be there!!

— John

HOSTED BY THE
SOUTHWEST NINETY-NINERS
1990
COMPUTER GROUP

TI FEST WEST 1990

Day's Inn Downtown
Formerly Santa Rita Hotel, built in 1904 – recently refurbished
88 East Broadway
Tucson, Arizona 85701
602-791-7581

South Western Atmosphere - elegant and comfortable
Near Freeway (Interstate highway I-10)
Restaurant - reasonable prices - indoor and outdoor dining
Arizona Stagecoach from Airport $8.25 per person

Within walking distance:
 Public Transportation
 Tucson Art Museum
 Tucson Historical Areas
 Other restuarants
 Greyhound Bus Depot
 Amtrak Train Depot

Conference Room:
 Separate building from hotel
 Easy access to ample parking
 Restrooms in the building
 Plenty of outlets
 Phone line
 Well lit
 Seminar room may be included in same building
  (depending on # of vendors)

---

* Guest rooms - $44 per night double/single (plus taxes)
* Children under 18 free in parents room
* Continental Breakfast (included)
* Suites available (extra cost)
* Golf Passes (green fees - cart rent/transportation to courses not included)
* No charge for local phone calls
* Cocktails 2 free per adult per room - alcoholic or non-alcoholic
* Saunas
* Hot Therapy Pool
* Swimming Pool
* Lounge with TV/Bar in basement of hotel
* Transportation to/from Tucson Mall provided by Tucson Mall
* Non-smoking rooms (request)
* Wetbars (refrigerator) in rooms (request)
* Coffee makers in rooms (request)
* Rollaways - additional $7 per rollaway per night

TI FEST WEST 1990
Room Reservation Request Form

* Reservations MUST be in by January 17, 1990.
* Advance deposit for first night MUST accompany your reservation request.
* For a telephone reservation, call 602-791-7581, ask for Olivia.
* Check in time is by 3:00 P.M., unless reservation is guaranteed.

ROOM RESERVATION REQUEST
Days' Inn, 88 East Broadway, Tucson, AZ 85701

NAME OF GROUP: Southwest 99'ers User Group TI Fest West 1990	ARRIVAL DATE	DEPARTURE DATE
DATES OF TI FEST WEST 1990: February 17 and 18, 1990	APPROXIMATE ARRIVAL TIME:	
YOUR FULL NAME:	TYPE OF ROOM: ____ NUMBER OF ROLLAWAY BED(S) ____ Double - 2 Queen beds - $44+tax	
COMPANY NAME:	Single - 1 King bed - $44+tax Suites - Call for rates	
STREET ADDRESS:	Refrigerator in room....... ____	
	Coffee maker in room....... ____	
CITY:	Non-Smoking room.......... ____	
STATE: ZIP CODE:	TELEPHONE NUMBER: ( )	

FULL NAME(S) OF ADDITIONAL OCCUPANTS OF ROOM:

TO RESERVE A ROOM, SELECT ONE OF THE FOLLOWING METHODS:

CREDIT CARD NUMBER (MasterCard, Visa, America Express, Diners Club):

CREDIT CARD INTERBANK NUMBER:

EXPIRATION DATE:

YOUR SIGNATURE:
_____ o r _____

ROOM DEPOSIT ENCLOSED: $
(DO NOT SEND CASH THRU THE MAIL!!)

9640 Corner

by Bob Thorburn

Happy New Year!

All in all, last year was a good year for 9640 owners. Not great, but good. Myarc Advanced Basic (MAB) has very nearly been completed and currently a few minor bugs [are] rearing their [heads]. The one which I have come across the most often (very often in fact) is when you are attempting to insert code in a multi-statement line near the beginning of a program. MAB inserts garbage into a line of code farther into the program. You can correct the 'garbage' to your hearts content, but it reinserts itself each time you run the program. Saving the program and reloading it will not fix the problem. The best remedy I have found is to put the code in another line or REDO the multi-statement line and split it up into two lines. This problem seems to occur most often when altering an Extended Basic program for use in MAB. Paul Charlton has been waiting for Lou Phillips to finish the DSR routines for MDOS in order to finalize MAB and his programmers development kit. It has been rumored that Phillips has taken a job installing an IBM system in a large bank back east, and that Jack Riley is no longer "very active" with Myarc, so the DSR's may be a while in coming... I have read messages on DELPHI which complained of over a year wait in having Myarc 512K cards altered for use with the 9640, and it seems to be nearly impossible to reach Myarc by phone, mail, or E-Mail, so if you have a problem, good luck! Some of these people are still waiting! An alternative to Myarc's card is the MEMEX card developed by Ron Walters and distributed by Horizon. MEMEX is currently a 512K card which is theoretically capable of two meg on the GENEVE. Again, Phillips is holding things up by not providing information on the gate-array chip. There have been reports MEMEX is not compatible with the Rave speech card. A problem with MEMEX and the DSK5 internal ram disk has been corrected by Tom Freeman so there is still hope for the Rave card. As of this writing I have not yet received my MEMEX card, but I will report on it later.

Barry Boone has purchased a GENEVE and in a very short time has written three great utilities and several updates. EXEC version 1.3 has corrected an earlier bug with the "Show Directory" command in MY-WORD. GETSTRING has been updated to show and accept a default choice from the screen, and GETKEY has been perfect from the start.

Even though the P-SYSTEM is still in limbo, we still have FORTRAN, C, FORTH, TI EXTENDED BASIC, TI BASIC, MAB, MDOS ASSEMBLY and TIMODE ASSEMBLY to work with. Memory viewers, disassemblers, hard drive sector editors, memory checkers, names and several types of artist programs and art utilities were written last year, and there are many new, bigger and better programs still in the works.

In closing I will pass along a tip which I have found usefull if you are using a hard drive with your 9640. Since the internal ram disk is unassigned when using MAB, I assign DSK5 to the hard drive and directory where my Advanced Basic programs are kept as follows:

ASSIGN 5=HDS1.AB (Be sure to leave off the last period and colon.)

LIBRARIAN'S CORNER

by George Campbell Librarian

-SHAREWARE-COPYRITE- FREEWARE-

THIS LIBRARY IS MADE UP OF SOFTWARE PROGRAMS (FILES) AND NEARLY ALL FALL INTO ONE OF THESE THREE CATAGORYS. I'M NOT GOING TO TRY TO DEFINE THESE TERMS, BUT MOST OF US UNDERSTAND THEM AND AT LEAST TRY TO GIVE THE DEVIL (SAINT!) HIS DUE.

ITS A PROBLEM OF SORTS THAT WE SHARE WITH ALL OTHER LIBRARYS OUR LIBRARY IS A GROUP EFFORT TO BUILD A SOFTWARE BASE AVAILABLE TO THE MEMBERS, WITH DUE REGARD FOR THE AUTHORS. OUR MOST USED SOFTWARE WAS MADE BY A SMALL GROUP OF PEOPLE (FOR T.I. AND GENEVE ONLY)

PRACTICALLY SPEAKING ALL OF THESE PROGRAMS ARE ON THE HONOR SYSTEM - THAT IS IF YOU USE IT, SEND THE AUTHOR HIS OR HER DUES. ACTUAL LEGAL PROTECTION FOR PERSONAL COMPUTER SOFTWARE IS IMPRACTICAL, ALTHO THERE HAVE BEEN 2 OR 3 ACTIONS FILED AGAINST SOME FIRMS SELLING SOFTWARE. THERE JUST ISNT A WAY OF GOING INTO A HOME TO CHECK USE OF A PROGRAM. SO WE ARE ON THE HONOR SYSTEM.

MANY OF THE OLDER COPYRITES HAVE EXPIRED; OR THE AUTHOR HAS DECLARED IT OPEN FOR PUBLIC USE. SAME FOR SOME SHAREWARE. ABOUT 4/5 OF THE LIBRARY IS IN THIS CATAGORY. THE REMAINDER IS COPYRITE OR PROPRIETARY -THAT IS SOLD BY A COMMERICAL COMPANY- AND SHOULD NOT MORALLY AT LEAST BE IN THE LIBRARY AT ALL. THE ONLY SOURCE SHOULD BE THE AUTHOR OR HIS AGENT.

HOWEVER COPYS OF THESE PROGRAMS ARE PUT IN FOR SAFEKEEPING OR BACKUP AND WE TRY TO HONOR THE RESPONSIBILITY BY NOT MAKING COPYS UNLESS WE ARE SURE THE PERSON IS ENTITLED TO IT. AND OF COURSE WE ASK IF YOU GET A COPY AND USE IT - BE SURE TO SEND IN THE PAYMENT. WE HAVE THE SOURCE OR ADDRESS OF THESE PROGRAMS AND IN MOST CASES, DOCS AND EXPERIENCE TO ADVISE YOU ON THE CONTENTS AND HELP MAKE IT EASY FOR YOU TO AQUIRE THE PROGRAMS.

THE D.O.M. FOR THE JAN. MEETING WILL BE THE ONE ADVERTISED FOR DEC. (THE TRIVIA GAME). WE PUT OUT A XMAS DISK INSTEAD.

-GEO. CAMPBELL-

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Now I can use OLD E:FILENAME instead of OLD HDS1.AB.FILENAME to load, save, merge etcetera. By using the LASTDRIVE = (letter) command you can assign drives up to the letter 'Z', so you can assign several letters to different directories on your hard drive. If you assigned I=HDS1.MYART, and had the MYART program in this directory along with your pictures, you can select I: as your prompt, load MYART, and you would no longer have to type ANY drive letter before your FILENAME to load or save a picture. This should work with any program that accepts an MDOS (letter): as a drive prompt. Hope this helps.

-Bob-

GETTING THE MOST FROM YOUR CASSETTE SYSTEM
BY MICKEY SCHMITT
NUMBER 15
UNDERSTANDING – CREATING – AND USING – CASSETTE FILES
PART IV

THIS MONTH I AM CONTINUING WITH THE TOPIC OF UNDERSTANDING – CREATING – AND
USING – CASSETTE FILES.   MORE SPECIFICALLY. I WILL BE CONTINUING WITH THE TOPIC
OF... "HOW TO "OPEN" UP A CASSETTE FILE"... WHICH I FIRST BEGAN DISCUSSING TWO
MONTHS AGO... IN PART II OF THIS PARTICULAR SERIES.

THE "OPEN MODE" ENTRY INSTRUCTS THE COMPUTER TO PROCESS THE CASSETTE FILE
EITHER IN THE "INPUT MODE" WHERE FILES MAY BE READ ONLY... OR THE "OUTPUT MODE"
WHERE FILES MAY BE WRITTEN TO ONLY.   KEEP IN MIND THAT THE "NEW" "OUTPUT" FILE
WHICH IS BEING CREATED WILL HAVE ALL THE CHARACTERISTICS GIVEN IT BY THE "OPEN"
STATEMENT SPECIFICATIONS... INCLUDING THE STANDARD DEFAULT CHARACTERISTICS, AS
WELL.   NOTE... THAT IF YOU ARE USING TWO CASSETTE RECORDERS... ONLY CSI CAN BE
SPECIFIED FOR AN "INPUT" FILE AND... BOTH CSI AND CSII CAN BE SPECIFIED FOR AN
"OUTPUT" FILE.
AS A WORD OF WARNING: THE "OPEN MODE" SPECIFICATION IS REQUIRED.   THERE IS
NO DEFAULT SPECIFICATION FOR THIS ENTRY.

THE "FILE ORGANIZATION" ENTRY MUST BE "SEQUENTIAL" FOR A CASSETTE RECORDER.
RECORDS ON A "SEQUENTIAL" FILE ARE READ OR WRITTEN... ONE AFTER THE OTHER... IN
SEQUENCE... FROM BEGINNING TO END.   YOU MAY HOWEVER, "OPTIONALLY" SPECIFY THE
INITIAL NUMBER OF RECORDS ON A FILE BY FOLLOWING THE WORD "SEQUENTIAL" WITH A
NUMERIC EXPRESSION.
IF YOU OMIT THE "FILE ORGANIZATION" SPECIFICATION... NO PROBLEM... THE T.I.
COMPUTER WILL AUTOMATICALLY ASSUME THE DEFAULT SPECIFICATION... AS "SEQUENTIAL"
ORGANIZATION.

IF ALL OF THIS SOUNDS WAY TOO CONFUSING FOR YOU... FEAR NOT... I FELT THE
SAME WAY MYSELF!   WITH THAT PARTICULAR THOUGHT IN MIND... I HAVE DECIDED TO
CREATE A "REFERENCE CHART"... IN ORDER TO GET A BETTER UNDERSTANDING OF ALL THE
"NEW MATERIAL" THAT I HAVE EXAMINED SO FAR.   (PLEASE KEEP IN MIND... THAT THIS
PARTICULAR "REFERENCE CHART" IS A CONTINUATION OF THE "REFERENCE CHART" WHICH
FIRST APPEARED LAST MONTH... IN PART III OF THIS PARTICULAR SERIES.

```
**********************************************************************************
*                             .                  .                            *
*                                                                             *
*          TO "OPEN" UP A CASSETTE FILE... FOLLOW THESE STEPS...              *
*                                                    .                        *
**********************************************************************************
*          *              *          *          *              *             *
*   1 0    *     1 1      *   1 2    *    1 3    *     1 4.     *
*          *              *          *          *              *             *
**********************************************************************************
*     N    *              *    N     * FILE..........  *    N     *
*     E    *  OPEN MODE   *    E     * ...ORGANIZATION *    E     *
*     E    *  ==========  *    E     * ============    *    E     *
*     D    *  INPUT....READ *  D     *   SEQUENTIAL    *    D     *
*          *  OUTPUT..WRITE *        *                 *          *
*     C    *              *    C     *                 *    C     *
*     O    * ************ *    O     * ************    *    O     *
*     M    *              *    M     *                 *    M     *
*     M    * = YOUR CHOICE = *  M    *    SEQUENTIAL   *    M     *
*     A    *              *    A     *                 *    A     *
**********************************************************************************
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GETTING THE MOST FROM YOUR CASSETTE SYSTEM
BY MICKEY SCHMITT
NUMBER 16
UNDERSTANDING – CREATING – AND USING – CASSETTE FILES
PART V

THIS MONTH I AM CONTINUING WITH THE TOPIC OF UNDERSTANDING – CREATING – AND USING – CASSETTE FILES. MORE SPECIFICALLY, I WILL BE CONTINUING WITH THE TOPIC OF... "HOW TO "OPEN" UP A CASSETTE FILE"... WHICH I FIRST BEGAN DISCUSSING THREE MONTHS AGO... IN PART II OF THIS PARTICULAR SERIES.

THE "FILE-TYPE" ENTRY SPECIFICATION DESIGNATES THE FORMAT OF HOW THE DATA IS GOING TO BE STORED ON THE FILE. THIS WILL BE EITHER A "DISPLAY" FORMAT OR AN "INTERNAL" FORMAT. THE "DISPLAY" FORMAT REFERS TO PRINTABLE ASCII CHARACTERS AND IS USUALLY USED WHEN THE OUTPUT WILL BE READ BY PEOPLE, RATHER THAN BY THE COMPUTER. THE "INTERNAL" FORMAT REFERS TO DATA WHICH IS RECORDED INTERNALLY IN MACHINE LANGUAGE. YOU WILL FIND THAT DATA IN THIS FORMAT IS FAR MORE EFFICIENT FOR RECORDING DATA ON A CASSETTE RECORDER AS IT REQUIRES LESS SPACE... THUS A PROGRAM WILL RUN MUCH FASTER THAN WHEN YOUR FILES ARE RECORDED IN THE "DISPLAY" FORMAT.
   AS A WORD OF WARNING: IF THE "FILE-TYPE" SPECIFICATION IS OMITTED... THE T.I. COMPUTER WILL ASSUME A STANDARD DEFAULT OF A "DISPLAY" FORMAT... WHICH IS NOT AS EFFICIENT AS THE "INTERNAL" FORMAT.

THE "RECORD-TYPE" ENTRY SPECIFIES THAT THE RECORDS ON THE FILE ARE ALL THE SAME FIXED LENGTH. THE KEYWORD "FIXED" MAY BE FOLLOWED BY A NUMERIC EXPRESSION SPECIFYING THE MAXIMUM LENGTH OF A RECORD. FOR CASSETTE TAPE RECORDS, YOU MAY SPECIFY ANY LENGTH UP TO 192 POSITIONS. HOWEVER, THE CASSETTE TAPE DEVICE USES RECORDS WITH LENGTHS OF 64, 128, OR 192 POSITIONS AND WILL PAD THE RECORD THAT YOU SPECIFY TO THE APPROPRIATE LENGTH.
   AS A WORD OF WARNING: IF THE "RECORD LENGTH" IS NOT SPECIFIED... THE T.I. COMPUTER WILL ASSUME THE STANDARD DEFAULT OF 64 RECORD POSITIONS FOR A CASSETTE RECORDER.

THE "FILE-LIFE" ENTRY INFORMS THE COMPUTER THAT THE FILES THAT YOU ARE ABOUT TO CREATE ARE TO BE CONSIDERED "PERMANENT" FILES AND NOT "TEMPORARY". YOU MAY OMIT THIS ENTRY ENTIRELY SINCE THE T.I. COMPUTER ALREADY ASSUMES ALL FILES TO HAVE A "PERMANENT" "FILE-LIFE".

IF ALL OF THIS SOUNDS WAY TOO CONFUSING FOR YOU... FEAR NOT... I FELT THE SAME WAY MYSELF! WITH THAT PARTICULAR THOUGHT IN MIND... I HAVE DECIDED TO CREATE A "REFERENCE CHART"... IN ORDER TO GET A BETTER UNDERSTANDING OF ALL THE "NEW MATERIAL" THAT I HAVE EXAMINED SO FAR. (PLEASE KEEP IN MIND... THAT THIS PARTICULAR "REFERENCE CHART" IS A CONTINUATION OF THE "REFERENCE CHART" WHICH FIRST APPEARED TWO MONTHS AGO... IN PART III OF THIS PARTICULAR SERIES.

```
*************************************************************************
*                                                                     *
*           TO "OPEN" UP A CASSETTE FILE... FOLLOW THESE STEPS...      *
*                                                                     *
*************************************************************************
*                            *   *              *     *              *
*          1 5               * 1 6 *    1 7     * 1 8 *     1 9       *
*                            *   *              *     *              *
*************************************************************************
*                            * N *              * N *                *
*       FILE TYPE FORMATS     * E *  RECORD TYPE * E *   FILE LIFE    *
* ========================== * E *  =========== * E *  ============   *
* DISPLAY.....PRINTABLE ASCII * D *  FIXED LENGTH* D *  PERMANENT     *
* INTERNAL....MACHINE LANGUAGE*   *  1-192 POSITIONS*   *             *
*                            * C *              * C *                *
************************************ O *************** O ***************
*                            * M *              * M *                *
* INTERNAL ( PREFERRED OPTION ) * M *    FIXED     * M *  PERMANENT   *
*                            * A *              * A *                *
*************************************************************************
```

NEXT MONTH I WILL CONTINUE WITH THE TOPIC OF UNDERSTANDING – CREATING – AND USING – CASSETTE FILES. MORE SPECIFICALLY, I WILL BE COMBINING ALL THREE OF MY "CASSETTE FILE REFERENCE CHARTS" THAT I HAVE CREATED OVER THE LAST THREE MONTHS INTO ONE COMPLETE CHART – SO THAT YOU MAY HAVE ALL OF THE NECESSARY INFORMATION AVAILABLE AT YOUR FINGERTIPS FOR FASTER REFERENCE.

IN THE MEAN TIME... IF YOU NEED ANY HELP OR HAVE ANY QUESTIONS CONCERNING YOUR CASSETTE SYSTEM – JUST GIVE ME A CALL.(412-335-0163) AND I'LL TRY TO HELP.

GENEVE OWNERS— the path gets smoother

The information included in this file was extracted from the Addendum sheets
received 22 April 89 courtesy of Jack Riley (Myarc) along with the latest
versions of the referenced programs/utilities. (RJ Bicker - SNUG)—

MDOS v1.14, all known bugs fixed and the additional commands:

1. The autoexec file may be any name you wish and can be called from any
   file (i.e. batch and/or autoexec) desired. Additionally, it may be
   called from the keyboard, in all cases the filename must be preceeded
   with and "&" when called.

   A>&MPAUTO where the filename is MPAUTO

2. Files may be listed, copied, and deleted by type with the command
   "^" accent grave "file type" (i.e. IV,IF,P, etc., etc.)

   A>DIR ^DV   will list only DISPLAY VARIABLE files

3. The screen forground and background colors while in MDOS may be
   changed with the command MODE B* for background or F* for forground,
   where * is a value of 1 to 16 with the same color reference as TI
   Extended Basic.

   A>MODE B2   will change the background color to black leaving
                      the forground color white

4. Pressing the Print Screen key will print a text screen to the current
   MDOS set printer. Pressing Alt + Print Screen will print it in double
   strike.

5. Screen scrolling speeded up.

6. The GRAPHICS command no longer requires the GRAPHICS, only the printer
   type (i.e. EPSON, GP550, OKIDATA, and PROWRITER) found on the GPL
   disk.

   old command A>GRAPHICS [printer] [/R]
   new command A>[printer] [/R]

7. The WDS1 assign has been replaced with hdS1.

   A>ASSIGN E=hdS1: (E may be any letter you wish to use)
   A>E:
   E>

GPL v1.04, all known bugs fixed and the additional commands:

1. A file may be specified from MDOS with the device and filename given
   after GPL.

   A>GPL B:EA   Will load the file named EA from drive DSK2.
        or
   A>GPL DSK2.EA   same

2. After the above file is loaded you are automatically advanced to the
   menu of GPL with EA being the second item.

3. The default speed of GPL is now 5.

4. Pressing Control + Alt + Del keys will take you to MDOS without
   reloading same from an external device. (Note: Use the Del key
   found in the numerical keypad.)

5. TIMODE must be in an autoexec file before GPL may be loaded.

6. The largest RAMdisk that my be partitioned if GPL is to be loaded is
   120K unless a MYARC 512K GENEVE memory upgrade card is in the PEB.

MY-Word v1.22, all known bugs fixed and one additionlly command:

1. You may now set a pathname from which to load MY-Word, by entering SP
   at the command line. By setting a pathname you may load the program
   from any device you wish without going thought a device search (i.e.
   drive one then drive two, etc. etc.) Note: MWG, MW5 and the CONTROL
   files must be unprotected.

==

GENEVE OWNERS RUNNING TWO RAMDISKS—

MDOS v114f with its compatible files is on SNUG BBS. The version of RAMDOS
included allows the use of both 8-bit and 16-bit ramdisks WITHOUT THE TOGGLE.

Download [RAMDOS]14(RAMDOS for v114f w/docs — use these and don't pollute
yuour setup with anything else), SYSTEM/ARC(v114f—rename to SYSTEM/SYS), and
FORM2HRDS is 6 sectors of "how to" from RAMDOS author J. Schroeder—Do EXACTLY
as he says and it will work—at least it did for me— George T.

Southern Nevada Users' Group
P.O. Box 26301
Las Vegas, NV 89126-0301

PM
8 JAN
1990
LAS VEGAS, NV 301

TO:

Dallas TI Home Computer Group
P.O Box 29863
Dallas, TX 75229