THE SNUGLETTER

FROM THE SOUTHERN NEVADA USERS' GROUP

Vol. 5 — No. 6 June, 1987

NEXT MEETING

MONDAY, JUNE 8, 1987 — 6:30 PM

CHARLESTON PLAZA LIBRARY MEETING ROOM

PRESIDENT'S MESSAGE

The TI-FEST WEST was the highlight of the month for me. SNUG had at least 6 of it's members present for the show. That's not a bad showing considering the distance. There were many old acquaintances to renew and a few new ones to make. If you've never been to one of these shows, you are really missing out on a lot of the spirit and friendlyness of the 99er community. We will be talking about the FEST WEST during the meeting and passing out some of the liturature that we brought back with us. Due to some changes in my work schedule and some temperamental computer equipment, I have been unable to write a good report of the happenings at this year's FEST. I want to say thanks to Terrie Masters, Tom Freeman, George Steffen, and all the members of the LA 99er's for a fun time and a good show.

I came home from FEST WEST with a box full of new programs, an EPROM chip for my Horizon Ramdisk, and a 9640 GENEVE computer. My bank account will be feeling this trip for months to come.

Since most of you will probably be more interested in the GENEVE computer than any of the other things that I brought back, I will start with that. To begin with, the GENEVE is not yet complete. They are still sending it out with version 0.0 of the DOS. This is a bare bones operating system that will only let you run a few programs. These programs, however, will allow you to run other programs so what you really lose is the convenience of the MS-DOS like operating system. The disks that come with the computer contain a BASIC language, an 80 column version of TI-WRITER with many enhancements (and no docs), a program to let you load cartriges to disk, a program to emulate the 99/4A so you can load these carts and programs into the 99/4A environment, some updates to MULTIPLAN to make it 80 columns, a couple of demo programs, an assembler, and several other programs that I haven't been able to look at yet.

Unfortunately, the computer that I got was defective. It worked intermittently the first day that I had it, and then died completely on the second day. I have shipped it (at least the card itself) back to Myarc and am now waiting for a replacement. I talked to Myarc's western representitave, Les Merryman, about the problems I was having. He said that out of the 300 or so units manufactured to date, mine is only the second one to have problems.

It seems like my month for problems. Soon after getting back from LA, my printer started acting up. every time the buffer gets full, I start getting all kinds of gibberish from it. To make things worse, the formatter from FUNNELWEB suddenly stopped working. I can get the original TI-WRITER formatter to work, but not the FUNNELWRITER one. I installed the EPROM chip I bought from J Peter Hoddie into my Ramdisk and it seems to have a bug in it, too. If I set it to auto-boot the BOOT program that comes with it, (acutally a modified version of John Johnson's popular MENU program) it turns on the beep tone but never shuts it off. I am sure these problems will all be resolved soon, but for now, I am understandably depressed.

Apart from the bug with the beep tone, the EPROM chip is a very good program. I will write an in-depth review of it soon.

(continued)

At this month's meeting, we will be seeing a couple of track copy programs that are very good. One of them is called REDISKIT. It can make a backup copy of a SSSD disk (including formatting the backup disk) in about 45 seconds. The program is so fast that I thought something went wrong and it aborted the copy the first time I ran it. We will also see Barry Traver's ARCHIVER program and Barry Boone's ARCHIVERII program. These programs are very similar and do essentially the same thing. ARCHIVER is written in EXTENDED BASIC while ARCHIVERII is written in ASSEMBLY. Both programs allow you to combine multiple files from a disk into one long file. They can then be uploaded to a BBS or stored as a backup program disk. The advantage of using this system is that your backup will always have ALL pertinent files in one place. No more going over a disk full of vague file names trying to figure out which ones go with which program. The advantage on the BBS is that you only have to make one upload or download to get everything (program, support files, docs, etc) transferred. If time permits, we will also be showing several of the other utilities and programs that we got from LA.

Since next month is elections month for SNUG, we will be having nominations for the various offices at this months meeting. Some of the current officers have been serving for several years now and would like to step down or at least change jobs. Now is your chance to step forward and take on some of the responsibility for your group. We will also be setting up committees for the TI-FEST WEST '88 which we will be hosting next year. We have already gotten some preliminary information that looks promising for a place to hold the FEST. If everyone helps out, this could be a fun project to be involved in.

Hope to see all of you at the meeting. It should be a good one!

-John-

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MINUTES OF THE MEETING

May 11, 1987

President John Martin brought the meeting to order. There were 21 members present. John gave a good demo on SUPER SKETCH. John picked this unit up at a yard sale for a ridiculously low price and his son Josh uses it daily. The Super Sketch unit is a writing or sketch pad and command module combonation that allows the user to trace or draw freehand a picture with color using the stylus that is attached to the Super Sketch pad. It is a well made program and is durable for those times that your 10 and 8 year-old get out of hand fighting over it. Unfortunately, Super Sketch is no longer on the market as far as we know?

Speaking of yard and garage sales I have purchased a lot of TI equipment in the past year or so at yard sales. For instance; 1 Expansion Box with the original SSSD drive, disk controller card, console, and 12 command modules for $80 and not long ago I got a console 7 modules, cassette recorder, cassettes, and they even thru in the 12 inch TV all for $20. If you are looking for bargains check out the Nifty-Nickel and the papers in the Miscellaneous, Computer and Yard or Garage Sale sections frequently. The bargains are there and most of the people I talked with about TIs didn't know that SNUG existed or that there was any mail-order houses to get software and hardware. I have lost a few good buys for telling people about Triton, Tenex, Tex-Comp and the other suppliers but, then again I already have 2 complete systems, so it's not like I'm short on hardware or software. But, it does give me pleasure to tell someone who is about to purchase (GASP) a Commode 64 or a Rattio Shack computer, that there is more software at more reasonable prices than ever before. Also, SNUG could possibly pickup a new member or two.

Now, back to minutes of the meeting.

The program PC-KEYS was demonstrated by John, also. PC-KEYS is a created by Techni-Graphics, 443 Perrie Drive #301, Elkgrove Village, Illinois, 60007. It is an assembly program that preprograms your keyboard to use a single keystroke to invoke any command such as LIST, NEW, CALL CLEAR, CALL LOAD, etc. PC-KEYS can be used as is using it's own default keys or you can preprogram your own keys for your specific needs. This program is a good programmer's program. One or two problems that I could see with the program is that it is on a protected disk and consequently cannot be loaded onto the Ram-Disk and PC-KEYS takes a little time loading. Otherwise it's another SUPER program that shows the power of our little orphan TI.

Lance Wilson and Gordon Leonard were the raffle winners this last meeting. I'm sorry I don't recall what was chosen by those two guys for prizes, but what ever it was I'm jealous cause I haven't won yet. The July membership meeting will have a SUPER RAFFLE and maybe then I will win, I'll try in June also, but July is the big one and Bob Bieber will dwell more on that later in this newsletter.

Last but definitely not least, the members in attendance at the May meeting voted on and approved, and I might add ended any rumors before they got

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started that SNUG was going to hold the TI-FEST WEST here in SIN CITY, Las Vegas. It will be a little work for us but I'm sure it's going to be well worth it.

ROM/RAM/SIN/SUN/LOGIC GATE... IT'S LAS VEGAS IN 1988!!
(Dee Wellman)

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REVIEW OF COMPUTER WARS

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by Dee Wellman

Computer Wars is a game in three parts. In the first phase, you see a map of the good old USA with four American missile bases scattered around the compass points, also NORAD(North American Air Defense System), near New Mexico on the map. Pressing the joystick fire button activates the game. Suddenly, from the north, south, east and west small white blips appear these blips on your radar map are nuclear missiles headed for the American missile bases and the NORAD base.

You suddenly realize that someone has tapped into the NORAD computer system to activate a war simulation program.

But wait! Since the computer can't tell the difference between real missiles and simulated missiles, it's going to launch a counter-attack as soon as NORAD headquarters is in danger. You have to destroy the missiles of the war simulation program and then crack the code to shut down the American bases, to avoid an all out nuclear war.

In the first part of the game, the joystick is used to center the crosshair cursor over the incoming missiles(one at a time), then press the fire button and the screen should depict you at the controls of a jet-fighter trying to shoot down an incoming missile. Remember the threat of all out nuclear war is in your hands. The missile will criss-cross the screen rapidly,aim the gunsight and fire a few rounds at the missile and destroy it. The bottom of this screen has a radar scanner and a timer to help you.

If you fail to destroy the missiles, they will reach the American bases and the DEFCON(Defense Condition)count will decrease. If the DEFCON reaches DEFCON 1 global war will begin.(DEFCON starts at DEFCON 5)

By now, you have succeeded in destroying most of the simulated enemy missiles., but now you have to shut down the American missile bases that are poised ready to fire back at the aggressors. The map screen starts a warning and the two banks of checkerboards to the right of the map start blinking and flashing suddenly they freeze. NOW WHAT!

The smaller box of squares has a combination that matches somewhere in the top, larger box. With the joystick, match the pattern of the small box with the same pattern in the larger box, using the fire button to rotate the pattern in the larger box. When the pattern has been found the code has been broken and you can shut down one of the American bases by pressing the fire button when the US bases flash on the screen.

Now that you have shut down that base you have to shut down the remaining bases, so the game returns you to the map of the USA and more incoming missiles. You have to blow up more missiles and crack more codes to save the world.

While shooting down an errant missile or two is fun, cracking the code is the most difficult. The timer is on, and whines louder and louder as the timer nears it's zero mark, making it more suspenseful and more the difficult to crack the code.

The graphics and sound of this game are excellent. The action, well let's just say, USE WITH CAUTION, THIS GAME IS A MAJOR CAUSE OF JOYSTICK BLISTER! This game has the action of ATARI's DEFENDER and television's old game show BEAT THE CLOCK! The game is a single player, single level of difficulty game, made by THORN EMI VIDEO, and is sold by TRITON and TENEX.

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COMING-DUE

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According to our very reliable SNUG Membership files, the following SNUG memberships will expire the end of June 1987.

Note: SNUG members must be in good standing (paid up) and MUST BE PRESENT at July's meeting in order to participate in July's elections and in the JULY "SUPER RAFFLE".

Robert J. Bieber	Rudy Johnson
Dinshaw Billimoria	Joesph Leavitt
Mark R. Boswell	Gordon L. Leonard
Frank Buckley	John Martin
George A. Campbell	John/Eva Maurice
Robert H. Cluberton	Stan Pullen

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Jessie Grimes	James D. Rusk
Ralph/Daphne Guise	George F. Tilley

Membership Renewal applications are being enclosed in June's SNUGLETter in hopes you'll renew early and help your treasurer avoid a panic rush at the June and July meetings. There's a lot of paperwork to be filled out for each and every renewal. So please folks, mail in those membership renewal forms to your Treasurer or bring them to the June meeting and give him time to get the books straight before July's "SUPER RAFFLE".

Mark those mail in renewals :: ATTN TREASURER on the envelope so he'll get them faster, maybe. If you don't mail them in before July 4th then bring them to the July meeting.

Thank you for your support - Your hard working staff.

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LIBRARIAN'S REPORT - JUNE 1987

by R. J. BIEBER

JUNE's DISK OF THE MONTH !!

The D.O.M. is SS/SD and contains assorted programs from the Club Library. The Disk and programs cost $3.00. Give me a blank, freshly initialized disk and the cost drops to $2.00. Members with Unlimited Library access need only bring me an initialized exchange disk. Please insert a piece of paper with your name on it inside the disk jacket. The exchanged disks will be used for the following months DOM's.

This months DOM features the following 3 Programs:

ARCHIVE121 (File Packer/Unpacker)
ARCHIVED (Packed File - See Below)
LOAD(HELP) (Help Menu and Prgm Loader)

* * * ARCHIVED (PACKED) Files * * *

BACKUP (Track Copier/TI Controller)
CHAINLINK (Great XB Solitaire Game)
DEADMENRLE (RLE Picture)
ENCHANTRLE (RLE Picture)
MAXRLE (Memory Image V. of MAXRLE)
MAXRLE-XB (MI-PGM Loader for MAXRLE)
RETRACK/OB (SUPER Trk Copier TI or CC)
SUPERDISK (Multiple Disk Cataloger)

* * * REDISKIT Series * * *
Copys SSSD Disk-13 sec., DSDD-45 sec.

LOAD (Auto Loads LOADCC or LOADTI)
LOADCC (Stand-alone version for CC)
LOADTI (Stand-alone version for TI)
REDISK/DOC (Documentation)
REDISKCC (CC Ver. Load thru E/A Opt 5)
REDISKTI (TI Vern Load thru E/A Opt 5)

Many of these programs will be demonstrated during June's meeting. Some are FAIRWARE and you'll be responsible for sending the requested donation to the author if you utilize his program.

Since the survey we conducted in May indicated most of the SNUG members had at least 2 disk drives, I've pulled a trick on you this month. All files except the ARCHIVE121 program By Barry Travers and a special LOAD (Help) program I wrote have been PACKED into one file call ARCHIVED. The seperate files took up 325 Sectors while the PACKED file takes up only 313 Sectors. The 12 Sector savings allowed me to place the 8 Sector LOAD (Help) program on the Disk.

Run the LOAD (Help) program first to read the brief description for each program that was PACKED then Select and Run the ARCHIVE121 program to UNPACK the ARCHIVED file.

Select 2. RESTORE FILES ("UNPACK")
Respond to the Prompts:

INPUT FILE? DSK1.ARCHIVED (Enter)
OUTPUT DRIVE (1-6)? 2 (Enter)

The remaining Prompts will be self explanatory. The UNPACKED files will take up 325 sectors so make sure you have enough space on the disk you're sending the UNPACKED files to. It'll take about 12 1/2 minutes to Unpack all 14 files using ARCHIVE121.

ITEMS for RAFFLE !!

The following items are in June's RAFFLE Pot:

ADVENTURE	The ATTACK
HOME FINANCIAL DECISIONS	VIDEO CHESS
PERSONAL REAL ESTATE	VIDEO GRAPHS
TI INVADERS	

The RAFFLE Pot is getting rather thinned out. Please, if you have any GAME or UTILITY modules lying around that are gathering dust consider donating them to the monthly raffle so others members (especially our new ones, and some of use oldies) can get a change to try them out. Bring your donations to the meeting and I'll add them to the Raffle pot. Please include instruction books whenever possible since my supply of original manuals is very limited.

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JULY "SUPER RAFFLE"

Member's response to our fund raisers (Raffles, Bulk disk sales, etc) gave us enough money to purchase an assortment of items to sweeten the monthly Raffles. Among these items are Bulk Diskettes, Disk Storage Boxes and New and Exciting Programs and Utilities. See the seperate listing elsewhere in this newsletter.

BUT most important, your officers came thru and were able to find a Super Prize for July's "SUPER RAFFLE". It's an Anchor Automation "VOLKSMODEM 12"tm Smart 300/1200 Baud, Auto Dial/Auto Answer Telephone Modem. The interconnect cable that was purchased with the unit has a female RS232C connector and will have to be modified, or a Gender Changer can be purchased. I'll see what I can come up with before the July meeting.

Guess that's it for this month. - Happy Computing !!

MINI-MEMORY TO EDITOR ASSEMBLER CONVERSION HELPER

By HCM

There are three major differences between programs for the Mini-Memory and the Editor-Assembler:

1). Location of utility routines...
They reside at different locations in the two systems. Wherever a Mini-Mem program refers to a utility routine (by address unless you EQUate that address to a label), you should substitute an Editor-Assembler mnemonic for that routine.

2). Ref/Def table entries...
In the Mini-Mem, you must insert the information necessary; program title and entry point; into the proper memory locations, and then change the starting address of the table. The Editor-Assembler does this automatically with the REF and DEF directives at the start of the program.

3). Memory usage...
The memory addresses between >7000 and >7FFF are not available to the Editor-Assembler because that space is used by the Command Module. Thus, anytime you convert a Mini-Mem program or are trying to learn Assembly by using FUNDAMENTALS OF TI ASSEMBLY LANGUAGE or other books that dwell specifically on the Mini-Memory cartridge then, the best way is to change all those address references to label references, which can then be relocated to another address.

It sounds confusing to the beginner but if you have the patience it works.

SNUG TREASURER'S REPORT - 25 May 1987
(in lieu of 31 May 1987 bank statement)
R. J. BIEBER - Treasurer
(Item adjusted May 1987)

FIXED ANNUAL EXPENDITURES:

SNUGLETter (Estimated cost per 100)		
Publication Costs ($43/Mo X 12).	$	516.00
Postage ($22/Mo X 12).	$	264.00
Meeting Room Rental Fee ($5/Mo X 12) . . .	$	60.00
P.O. Box Rental Fee ($22 Annually)	$	22.00
Bank Account Service Charge ($8.00/Mo X 12)	$	96.00
SNUG B/Board Phone Line ($10/Mo X 12). . .	$	120.00
Long Distance Phone Calls (Estimated). . .	$	50.00
Miscellaneous Expenditures (Estimated) . .	$	72.00
TOTAL ANNUAL OPERATING COSTS (Estimated)	- $	1200.00
Annual Dues Collection: (Avg 30 Mbrs X $18)	+ $	540.00

ANNUAL DEFICIT (Estimated)

To be recovered thru Fund Raisers, Disc Copying Fees, Special Sales, etc..	- $	660.00
# FUNDS BALANCE (as of 30 April 1987) . . . (Includes $7.16 April 87 Service Charges)	+ $	667.81 #

COLLECTIONS (during May 1987)

Newsletter Only Subscription ($10 X 0) . . .	$	00.00
Membership Dues (Regular/Senior) ($18 X 2)	$	00.00
Unlimited Library Access Fees ($25 X 0). .	$	00.00
Disc/Program Copying Fees.	$	2.00
Disc of the Month (Sales/Exchanges).	$	7.00
Command Module/Equipment Raffle.	$	28.00
(Sub-Total)	+ $	37.00

EXPENDITURES (during May 1987)

Publication Cost (SNUGLETTER)-(Dee Wellman) Mar 87 for other User Groups	$	15.50
Postage (SNUGLETter Mailings)-(??????????) Mar 87 to other User groups.	$	UNK
Publication Cost (SNUGLETter)-(Rudy Johnson) Apr 87	$	25.44
Postage (SNUGLETter Mailings)-(Rudy Johnson) Apr 87	$	22.00
Publication Cost (SNUGLETter)-(Dee Wellman) May 87	$	34.97
Postage (SNUGLETter Mailings)-(Dee Wellman) May 87	$	22.00
Library Meeting Room Rental Fee (July-Dec 87)	$	30.00
FEST-WEST purchases (RAFFLE ITEMS + SOFTWARE)	$	246.65
(Sub Total)	- $	396.56

FUNDS AVAILABLE (as of 25 May 87)

Checking Account	$	308.25

PROJECTED EXPENDITURES:

Bank Account Service Charge (May Estimate))	$	8.00

This is a listing of the disks that John Martin, Bob Bieber and Mark Pence picked up at the LA-99'ers TI-FEST WEST in May 1987. Two other disks have not been listed because I haven't had time to sort out the good programs from the bad ones. The last entry in the fourth column is this months SUPER Disk of the Month which will be demonstrated during June's meeting.

All of these disk are FAIRWARE and are available in SNUG's Disk Library. Contact your Librarian for copies.

DISKNAME= ALICE-WNDR
AVAILABLE= 183 USED= 175

FILENAME	SIZE	TYPE	P
ALICEW01_P	25	PROGRAM	
ALICEW02_P	25	PROGRAM	
ALICEW03_P	25	PROGRAM	
ALICEW04_P	25	PROGRAM	
ALICEW05_P	25	PROGRAM	
CHESHIRE_P	25	PROGRAM	
MADHATTR_P	25	PROGRAM	

DISKNAME= ARTIST^H01
AVAILABLE= 19 USED= 339

FILENAME	SIZE	TYPE	P
ALGERIA_F	47	DIS/VAR 80	Y
BLKMAIL1_F	47	DIS/VAR 80	Y
BLKMAIL2_F	40	DIS/VAR 80	Y
DEADMENRLE	53	DIS/VAR 80	Y
ENCHANTRLE	41	DIS/VAR 80	Y
INSTANCE_I	12	DIS/VAR 80	Y
I_CONVERTR	31	PROGRAM	Y
LOAD	3	PROGRAM	Y
MAXRLE	25	PROGRAM	Y
MAXRLE-XB	10	PROGRAM	Y
READ^THIS!	9	DIS/VAR 80	
SPACIFIC_I	21	DIS/VAR 80	Y

DISKNAME= BCS-JPH-43
AVAILABLE= 140 USED= 218

FILENAME	SIZE	TYPE	P
-README	5	DIS/VAR 80	
DIM	33	PROGRAM	
DIM/DOC	24	DIS/VAR 80	
FILEREADER	63	INT/VAR254	
LOAD	3	PROGRAM	
SUPERDISK	57	DIS/FIX 80	
TRACK1	18	DIS/FIX 80	
TRACK2	15	DIS/FIX 80	

DISKNAME= DASSM
AVAILABLE= 0 USED= 358

FILENAME	SIZE	TYPE	P
FORTHSAVE	39	PROGRAM	Y
SYS-SCRNS	313	DIS/FIX128	Y
UNIVERSAL	6	DIS/FIX 80	Y

DISKNAME= DASSM‡V1/3
AVAILABLE= 125 USED= 233

FILENAME	SIZE	TYPE	P
DASSM‡CAT	4	DIS/VAR 80	
DASSM‡DOCS	16	DIS/VAR 80	
DASSM‡MSG	5	DIS/VAR 80	
DASSM‡OBJC	39	DIS/FIX 80	
DASSM‡SRC	2	DIS/VAR 80	
DASSM‡SRC1	57	DIS/VAR 80	
DASSM‡SRC2	70	DIS/VAR 80	
DASSM‡SRC3	40	DIS/VAR 80	

DISKNAME= DIRECTOR99
AVAILABLE= 220 USED= 138

FILENAME	SIZE	TYPE	P
DIR99/DOC	45	DIS/VAR 80	
DIR99/LC	14	DIS/FIX 80	Y
DIR99/LOAD	12	PROGRAM	Y
DIR99/PARA	12	PROGRAM	Y
DIR99/SORT	9	DIS/FIX 80	Y
DIRECTOR99	46	PROGRAM	

DISKNAME= DISNEY-PIC
AVAILABLE= 33 USED= 325

FILENAME	SIZE	TYPE	P
7DWARFS_P	25	PROGRAM	
DISNYCTN_P	25	PROGRAM	
DISNYL60_P	25	PROGRAM	
DONALDUK_P	25	PROGRAM	
EPCOTCTR_P	25	PROGRAM	
MICKEY01_P	25	PROGRAM	
MICKEY02_P	25	PROGRAM	
MICKEY03_P	25	PROGRAM	
MICKEY05_P	25	PROGRAM	
MICKEY06_P	25	PROGRAM	
MINNIE01_P	25	PROGRAM	
MINNIE02_P	25	PROGRAM	
SNOWHITE_P	25	PROGRAM	

DISKNAME= EDP_2/0
AVAILABLE= 5 USED= 353

FILENAME	SIZE	TYPE	P
DEMO	67	INT/VAR254	
DOCUMENTS	249	DIS/VAR 80	Y
LOAD	26	PROGRAM	
MENU	4	PROGRAM	
MERGEBASE1	3	DIS/VAR163	Y
MERGEBASE2	4	DIS/VAR163	Y

DISKNAME= FAIRWARE-A
AVAILABLE= 485 USED= 233

FILENAME	SIZE	TYPE	P
FAIRWARE1	88	DIS/VAR 80	
FAIRWARE2	64	DIS/VAR 80	
FAIRWARE3	68	DIS/VAR 80	
FAIRWARE4	13	DIS/VAR 80	

DISKNAME= JPHBCS2
AVAILABLE= 104 USED= 254

FILENAME	SIZE	TYPE	P
DISK+AID-D	9	DIS/FIX 80	Y
DISKOBJ	51	PROGRAM	Y
LOAD	3	PROGRAM	Y
MANUAL	2	DIS/VAR 80	Y
MANUAL1	65	DIS/VAR 80	Y
MANUAL2	40	DIS/VAR 80	Y
MANUAL3	38	DIS/VAR 80	Y
MANUAL4	46	DIS/VAR 80	Y

DISKNAME= MT/4:2/EA
AVAILABLE= 196 USED= 162

FILENAME	SIZE	TYPE	P
MASS42A	34	PROGRAM	
MASS42B	32	PROGRAM	
MT/42/DOCS	75	DIS/VAR 80	
PHONEMAKE	21	PROGRAM	

DISKNAME= PRINTART2
AVAILABLE= 17 USED= 341

FILENAME	SIZE	TYPE	P
(PRINTART)	5	PROGRAM	
LOAD	19	PROGRAM	
MICKEY/MSE	17	DIS/VAR 80	
PAC-MAN	18	DIS/VAR 80	
PHANTOMJET	19	DIS/VAR 80	
PINKPANTHR	18	DIS/VAR 80	
PLUTO	22	DIS/VAR 80	
RETURN/PP	32	DIS/VAR 80	
SCHRODER	15	DIS/VAR 80	
SNOOPYBLAH	18	DIS/VAR 80	
SPOCK	28	DIS/VAR 80	
TWEETIE	32	DIS/VAR 80	
VALENTINE	44	DIS/VAR 80	
WARM/PUPPY	54	DIS/VAR 80	

DISKNAME= RAGASM-A
AVAILABLE= 3 USED= 355

FILENAME	SIZE	TYPE	P
DOCASM	2	DIS/VAR 80	
DOCASM1	73	DIS/VAR 80	
DOCASM2	64	DIS/VAR 80	
DOCASM3	14	DIS/VAR 80	
LOAD	3	PROGRAM	
RAGASM	23	PROGRAM	
RAGASN	33	PROGRAM	
RAGMAC	23	DIS/VAR 80	
SRCRAGIO	90	DIS/VAR 80	
SRCRAGMEM	2	DIS/VAR 80	
SRCRAGVDP	28	DIS/VAR 80	

DISKNAME= RAGASM-B
AVAILABLE= 24 USED= 334

FILENAME	SIZE	TYPE	P
SRCRAGCTL1	82	DIS/VAR 80	
SRCRAGCTL2	55	DIS/VAR 80	
SRCRAGCTLG	2	DIS/VAR 80	
SRCRAGDIS	72	DIS/VAR 80	
SRCRAGTE1	80	DIS/VAR 80	
SRCRAGTE2	41	DIS/VAR 80	
SRCRAGTEP	2	DIS/VAR 80	

DISKNAME= ROCKWELL
AVAILABLE= 208 USED= 150

FILENAME	SIZE	TYPE	P
ROCKWL01_P	25	PROGRAM	
ROCKWL02_P	25	PROGRAM	
ROCKWL03_P	25	PROGRAM	
ROCKWL04_P	25	PROGRAM	
ROCKWL05_P	25	PROGRAM	
ROCKWL06_P	25	PROGRAM	

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‡ ‡ DISK OF THE MONTH ‡ ‡

DISKNAME= DOM-06/87
AVAILABLE= 5 USED= 353

FILENAME	SIZE	TYPE	P
ARCHIVE121	32	PROGRAM	Y
ARCHIVED	313	DIS/FIX128	Y
LOAD	8	PROGRAM	

NEW FROM MONTY SCHMIDT: **GPL LINKER V1.1 Run Time Version**

now $49.95
w/Linker $59.95
plus Intern $69.95
add $3 shipping

GPL Linker is an ingenious program that places the power of Graphics Language Programming (GPL) at your command. No extra hardware is required beyond standard 32k and disk system. In short, Linker creates runnable program files from compressed (or uncompressed) GPL Assembler object files. You can then run these programs with "Option 5 Run Program Files" of the Editor Assembler Module.
Up to 24k GPL programs can be developed and run on standard 32k systems. Included in the run time version are two demonstration programs and "CONVERT," a public domain conversion program that converts MS BASIC statements to TI BASIC statements.
Price: $21.00 CDN funds $15.00 US funds.

GPL price Reduction

ENHANCED GPL Assembler V2.1

NØW with high memory loader package

UNLOCK ALL THE SECRETS! New GPL Assembler Version 2.1 available exclusively through Ryte Data.

This program provides the power to write, edit and assemble true GPL programs for the TI 99/4A. Create code that accesses console operating system routines directly. Develop programs that use the GPL Interpreter and all the features of the TI 99/4A.

This package includes the GPL Assembler disk, printed documentation, GPL tips and hints, update support service and commented GROM/ROM listings (with the book "INTERN"). An example for a command module type GPL program is included with source, object and list files on disk.

Requires: 32k memory, disk drive(s), TI Editor Assembler package. Printer/RS-232 recommended.

R/D COMPUTING

Technical Newsletter

with Bill Gronos on assembly!

We have a vision. Our vision is one of continued TI 99/4A support. We're dedicated to the power of the machine. From the novice to the experienced computer user; for management, home, education, entertainment or advanced applications our publication "R/D COMPUTING" is for you. TI never revealed all the important inner workings of the 99/4A. We bring you this vital information every month.

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THANK YOU! Our business has grown 300% this year. To show our appreciation we are **giving away** hundreds of dollars in TI products to 99/4A owners or users groups. To enter drawing, (no purchase necessary) send your name and address on a postcard to Ryte Data. For **subscribers** to R/D Computing we are giving away XBII plus, 32k memories, GPL Assembler package, etc. **Enter your subscription today!**

Prices listed in U.S. funds.

New catalogue available.

Super Clock Support

Designed for the CorComp Clock Peripheral—Triple Tech Card or Stand-alone models. This utility package provides more functions for use in your Extended Basic programs. Direct access to the clock ROM at assembly speed gives you these features: three independent timers to set and read; alarm function; two interrupt routines to display time and date on screen with CTRL T—continuously or on your command; all time and date displays are in 12 or 24 hour format using **TEXT**. This program also allows the week, date and time to be set independently rather than all together.
Program disk is not copy protected to allow you full use in your Extended Basic programs. Package includes disk and instructions. Only $17.95 plus $2

XBII plus

As reviewed in Micropendium October 1985. This command module gives you all the features of Extended Basic PLUS 40 new commands. Totally compatible with TI's XB, this enhanced version gives your programs more power to access your 99/4A. Commands such as MLOAD, MSAVE, VPEEK, VPOKE, GPEEK are superior to most other Basic environments. Various demo programs and new applications using high resolution graphics make this module a "must" for Extended Basic users. Comes complete with a 95 page manual. Requires console and 32k. $75.00 (US) plus $2 shipping.

BASIC Compiler V1.1

New Basic Compiler that is finally easy to use! Supports virtually all Basic and Extended Basic commands in existing programs. Simply load and compile programs from a menu driven directory on your screen. No extensive re-writing, variable declarations or conversions are required. Compiler produces code-list in one pass containing all variable addresses and jump list. Package includes Extended Basic Loader, Floating Point Loader, Integer Loader, Disk Menu program and DSR program for the Compiler support. This Compiler cannot unravel DEF statements and stops on the END statement—no SUB's allowed. TRACE, BREAK, ON ERROR, CALL LOAD and CALL LINK may produce execution errors. Requires 32k, disk. Price: $20.00 plus $2 shipping (US funds).

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SOUTHERN NEVADA USERS' GROUP

The SNUGLETter is published monthly by the Southern Nevada Users' Group (SNUG). SNUG is a non-profit organization of individuals with an interest in all aspects of Texas Instruments' 99xx & 99xxx based computers including hardware and software by third party vendors. The GROUP meets 6:30 PM on the second Monday of the month - currently in the Clark County Library meeting room, 1726 E. Charleston Blvd. (Charleston Plaza Mall). Visitors and guests are welcome to attend the meetings. Information on membership is available at the meeting. Articles may be copied from the SNUGLETter provided credit is given to both the author and the original source and that the article not be used for profit. (For-profit organizations wishing to use any articles from the SNUGLETter will need to make prior arrangements with the Executive of the Southern Nevada Users' Group.)

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Edmonton Users' Group

TO:

GENIE DOWNLOADS !!

by Dee Wellman

I just recently have subscribed to Genie the General Electric Network for Information Exchange, and I am happy to have made that move. I am sure that Compuserve is all that Genie is, but, Genie is the least expensive. Having not connected with a computer information system such as this has some great advantages. I just downloaded several files, one file in particular was worth the phone call. John Clulow has written up a very informative article on accessing the RS232's 9902 chip directly. I have not gotten that far with it but I will give you more info about this interesting topic if you want to call me at 454-1376.

Also, there were some more MAX/RLE pictures and other good looking utility programs that I downloaded. But, I have to print out this newsletter and that's enough work in it's self.

I don't have enough room to put anything more about them in this little space, sorry.