

**The Cactus Patch**

♦ SYSDOPS ♦  
 TOM WILLS  
 MIKE DOANE  
 BJ MATHIS

♦ 24 HRS-7 DAYS  
 PARITY=8N1 ♦

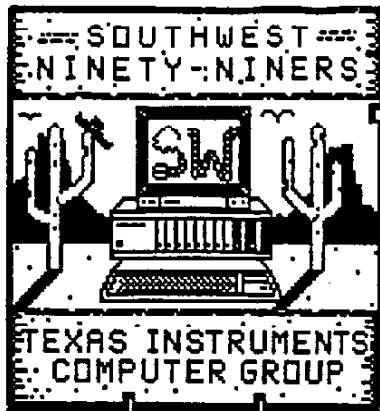
♦ PARADIGM ♦  
 ♦ BBS ♦

⇒ 520-290-6277 ⇐

# SouthWest Ninety-Niners

August 1996

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Newsletter Librarian - Matt Matthews

Disk Librarian - Richard Baron

Lending Librarians - Tom Wills & Matt Matthews

## Bruce's Latest Gift

by Hal Shanafield  
from Chicago Times  
Chicago TI UG 7/96

This is Gothic.  
This is Drop.  
This is p1jou.  
This is Yancy.

Font Designer is Bruce Harrison's latest gift to the TI community. It is a brand new public-domain program. Font Designer allows you to modify an existing font, or to create a completely new font, and then dump it to a 24-pin or bubble jet printer.

As always, the program is easy to use, is lightning fast, and does exactly what it says it is going to do. The documentation is a model of clarity. I cannot emphasize enough how important this is to dummies like me!

This program lets you use the entire 24x36 pixel character grid. It allows characters to be designed and downloaded over the printable range from 33 to 126. You are not required to redesign every character in a font: those you choose to leave alone remain in their original state.

Font Designer is menu-driven. The first menu offers you a choice of seven options: load a character set, save a character set, edit a character, dump to a printer, delete a character, purge font memory, and exit the program. If you choose to load a character set, the program does so, and then returns to the menu. You can then choose to edit a character and the program asks you which one. If you decide you have really messed a character up, you can throw it away and return to the original with just a key press. A small box on the left of the screen shows you how the character will look when printed. Of course, while you are designing the character, you have a full screen grid where you can toggle the pixels on and off to allow for creation of really elaborate fonts. Once you have a font you want to dump to your printer, you can do so easily by using another program on the disk called QDUMP. Bruce even includes a number of fonts on the disk for those of us too lazy to design our own. I have included a couple of these (above) to show you what is available.

This program is useful and a lot of fun to just play around with. A "Thank You" note to the author, and even a couple of bucks would probably be welcome.

## Disk of the Month

August 1996

by Matt Matthews



### Pertinent Information

PNTDSGN/ARC is an archived file of Bruce Harrison's Public Domain Font design and create program for the Cannon Bubble Jet and 24 pin dot matrix printers. Don't unarc it to the disk you have LOADMASTER on as they both have a file called Load. This is a very interesting program, if you don't like a font you can re-design it. be sure you print and read the docs.

I didn't see much in the LOADMASTER Program that was usable for me but, don't let that stop you from playing with it. It may be just what the doctor ordered for your machine. If so please send Mickey Cendrowski her requested stipend 'cause it looks like she put a lot of work in it. She has already modernized it with Version 2.2. You will see an @ sign in front of all the LOADMASTER files this was so they would be grouped together in the catalog. You may remove them when and if you transfer them to another disk.

The addresses of both these programmers are listed in these files so, please send a thank you or a stipend I know that one or both would be greatly appreciated.

I know you already have ARCHIVER so I'll just remind you that Barry Boone would also like to hear from you. I just included it because there was room.

ENJOY YOUR TOY!!

OL' MATT

DONs are available FREE to SW99ers attending the membership meeting each month. If you are unable to attend the meeting, members may buy DONs for \$1, either at a later meeting or by mail (no extra cost by mail). Non-members should send \$2 for each DON requested.

# July "Meeting"

July 5, 1996

Our July "meeting" was actually a potluck picnic at the Mathis' home. The weather cooperated enough that many members actually managed to eat their dinner outdoors! It was nice to have several members show up who can't usually attend our regular meetings.

David Ormand reminded us about the C99 special interest group starting on July 26th.

## Treasurer's Report

### Cash Flow Report

1/1/96 thru 6/30/96

#### DMFCU (Checking/Savings Account)

INFLOWS		
Bank - Dividend	11.98	
Inflows - Other	27.16	
From Cashbox	4,356.00	
<b>TOTAL INFLOWS</b>		<b>4,395.14</b>
OUTFLOWS		
Misc Expense	40.00	
Advertising	16.05	
AMS-Investor	1,000.00	
Boards, Chips, Etc.	180.00	
Reimburse Consign.	12.00	
Commissions	20.00	
Freight, Postage	277.63	
Monetary Gift	310.00	
Office Expenses	16.90	
Pay CP Expenses	240.00	
Reimburse Expenses	816.47	
Repairs	31.00	
Supplies	822.45	
<b>TOTAL OUTFLOWS</b>		<b>3,782.50</b>
<b>DMFCU OVERALL TOTAL</b>		<b>612.64</b>
DMFCU Opening Balance	2,507.00	
DMFCU Closing Balance	3,119.65	

#### Cashbox

INFLOWS		
128k AMS Cards	510.00	
256k AMS Cards	1,110.00	
Cactus Patch Support	48.00	
Disk of the Month	72.00	
Equipment	484.50	
Fest West Rifle Tkts	599.00	
Fest West 96	155.00	
Goes to an Individual	26.00	
Library	159.00	
Membership	383.50	
Other Income	280.00	
Ribbons, Lbls, Disks	104.80	
Inflows - Others	39.50	
<b>TOTAL INFLOWS</b>		<b>3,971.30</b>
<b>CASHBOX OVERALL TOTAL</b>		<b>-429.70</b>
Cashbox Opening Balance	447.00	
Cashbox Closing Balance	17.30	

#### AMS Card

INFLOWS		
128k AMS Card	510.00	
256k AMS Card	1,110.00	
Equipment	244.00	
<b>TOTAL INFLOWS</b>		<b>1,864.00</b>
OUTFLOWS		
AMS Investors	1,000.00	
<b>TOTAL OUTFLOWS</b>		<b>1,000.00</b>
<b>AMS OVERALL TOTAL</b>		<b>864.00</b>
AMS Opening Balance	271.68	
AMS Closing Balance	1,135.68	

#### Southwest 99ers Overall

Total Opening Balance - Cashbox DMFCU 2,957.10  
 Total Closing Balance - Cashbox DMFCU 3,136.95

\*Note - Subtract all AMS balances from equivalent TOTAL balances to get the true value of SW99ers.

#### Month of July '96

INFLOWS		
Membership	45.00	
Ribbons, Lbls, Disks	10.00	
<b>TOTAL INFLOWS</b>		<b>55.00</b>
OUTFLOWS		
AMS - Investors	1,000.00	
Pay CP expenses	40.00	
Reimburse Expenses	23.63	
<b>TOTAL OUTFLOWS</b>		<b>1,063.63</b>
<b>OVERALL TOTAL</b>		<b>-1,008.63</b>

Beginning Cash Box Balance	17.30
Beginning Checking Balance	3,119.65
<b>Beginning TOTAL Balance</b>	<b>3,136.95</b>
Ending Cash Box Balance	72.30
Ending Checking Balance	2,056.02
<b>Ending TOTAL Balance</b>	<b>2,128.32</b>

## Money

That money talks,  
 I'll not deny,  
 I heard it once;  
 It said, "Goodbye."

Richard Armour



## President's Corner

David Ormand

Ahhh... It feels SO good to finish a project! Now I am only two TI projects deep!

I have a friend at work who is a radio amateur, and he is involved in a BIG project called AMSAT, in which he and hams all over the world are contributing time, labour, and talents to build and launch another satellite so that hams all over the world can talk to each other over even longer distances. Now my thing is digital electronics, computers to be exact, and in particular, antique processors, including such things as the TMS9900 and CDP1802. My friend knew this, and he talked me into helping on a task with the satellite's mission control computer, which uses a radiation-hardened 1802 processor! Of course, I couldn't say "no," but I thought my help would just be consulting, and doing the software engineering, and let someone else do the hard programming work, especially since they wanted it on Windows on a peecce, and I don't (and never will) have one. But before long, I was doing it anyway, on my TI! And the AMS came in real handy, too - the 1802 is a 64K machine, and I am now simulating it and its entire memory space on our own 64K machine! So I got a little more experience with using the AMS card. And now - today - just before I sat down to write this column - I finished the whole thing! Monday, I take it in and upload it to the TI FTP site, "solutions.solon.com", and I just finished uploading it to Cactus Patch.

But I wonder... am I the last person to upload something to the CP library? Two months ago, we agreed at the General Meeting to discuss the demise of Cactus Patch at the August meeting. Tom tells us that it is costing the group quite a bit - \$40/month - and not getting much use to show for it. Now I proclaim that I would be the last person to throw money down the sink, but this is something else.

Really, the end of CP is not so much an admission of defeat as recognition of (a) the demographics of our group, in which few SW99ers use their TIs for telecommunication, and (b) the replacement of BBSes in general by Internet connectivity. I admit, I used to call CP a lot more than I do, since I am more into software development and hardware hacking anymore, and I also admit that the Internet, with the TI FTP sites, the Web pages (which yes, you can use with your TI), the USENET newsgroup comp.sys.ti, and E-mail to TI users world-wide, is a much, MUCH bigger pond than the Cactus Patch is. BUT, the downside is, the resources for Tiers to connect to the Internet are limited, either expensive direct connects (around \$20/month! Ouch!), GENie (circa \$20/month) or Delphi (much less, but still a bill), or the Arizona Freenet, AZTeC, which of course is free. But the Freenet is somewhat cumbersome to get to, and has no file storage capability or access to FTP sites. I will demonstrate using the Freenet with Telco and Term80 at the August meeting, with better success than last time, provided I can remember my disk and the legendary 50-foot phone cable!

So the part of loosing CP that bothers me the most is loosing our file storage capability, and this on the eve of starting SIGs and, maybe, group projects, which could involve file swapping or posting documents or code releases or whatever, and in addition, the fact that we are the center of AMS activity (such as it is so far), with the opportunity

to be a clearing house for AMS software and utilities and information. We will discuss options for keeping CP alive, such as a better voluntary fee arrangement, and otherwise vote on what course of action we shall take. Please come and make your voice heard!

Friday, July 26th is the SIG meeting for C99 programming and AMS. Probably you won't read this in time if you didn't already know about it, but we will probably have news of what happened and where we are going. And now, NOW, I have a bit more time to spend on it! Oh, it feels SOOO GOOD to finish a project!

## Tom's Observations

by Tom Wills



Vacation was fun, too short, but fun anyway. While I was in Sheboygan, I was able to attend a combined meeting of the Milwaukee User Group and the Wisconsin 99er Computer Council in Milwaukee.

I went to the meeting with two Sheboygan 99er User Group faithfuls. I was surprised how few people were at the Milwaukee meeting. Less than even what we've been able to draw lately. But, just like the SouthWest Ninety Niners User Group, those who attended were enthusiastic.

It was good to get together with so many old friends. I am really proud to be a Tler every time I go to Wisconsin. The Wisconsin Tlers are true Tlers in every sense of the word.

The Sheboygan group and I went to a dinner, which was really enjoyable. It was sad to not have all the past Tlers available for the dinner, especially those who have passed on in the last few years. However, I know that Tlers like Frank Bunzel, Joe Turk, and Al Fisher were there in spirit.

While in Sheboygan, I was able to set my daughter and her family with a PE Box for their TI. As part of setting them up, I registered them as members of the Sheboygan group. I know they are in good hands with the Sheboygan TI group. Now I will have to see what I can continue to do to upgrade there system. It is mainly for my grandchildren who are now old enough to get some real use out of it for school and learning computer literacy.

### Cactus Patch Update

As of June 6, 1996, there had been 17893 calls logged and 19441 messages logged. As of July 21, 1996, there have been 18028 calls logged and 19508 messages logged. This may seem like an increase, and indeed it is an increase in the average number of calls being received on the BBS in recent months.

Much credit for the calls must go to Ed Chase. We still have about another six weeks to see what happens to the BBS activity.

Several suggestions as to making users pay for BBS usage have been put forward. I personally do not think we can make Cactus Patch BBS a pay as you call BBS. Bigger and Better BBSes have tried that and have failed. However, this can be discussed at the next meeting.

Another suggestion was to make Cactus Patch a weekend only BBS. This will certainly reduce the electricity costs, but not phone bill. Not to mention the lack of availability of the BBS to members. The same would go for a night time only BBS.

Another suggestion was to allow someone else run Cactus Patch. Someone who was willing to absorb more of the cost of running a BBS. Yes, this is possible. But who is willing to install a second telephone line at a cost of about \$130. Plus absorb the related electricity cost and \$18 monthly phone bill?

I have checked in with The River, an Internet Service Provider, as to the reasibility of setting up a List Server. It would cost about \$5.00 monthly. There are drawbacks here. To access the list server, a caller would have to have an internet connection available to them. Most of us do now-a-days, but by no means does everyone.

A second drawback, depending on how you look at it, is that every time a caller sends a message to the list server, everyone who is registered as a user of that list server will receive a copy of any message sent to it. This is a great way to communicate with the TI world.

Plus it would be a great idea to set up a SW99UG home page. The cost would be free. This can be more fully discussed at the next user group meeting.

#### OPA Update

I'll be darned! Guess who had the audacity to show up at the Ohio TI Faire. No one other than Gary Bowser of OPA infamy!

At first I was furious at his being allowed into the faire, but then I realized he would have been allowed access into the Fest West also.

So I've let these feeling of outrage against the Ohio group go away. There was really nothing they could do.

My outrage goes to Gary Bowser who showed up just as though nothing had ever happened. He has managed to forget all about the \$40 he owes me, and the money owed other Tiers, I guess.

One way I've found to handle it is to send him messages (yes, that is plural) to his email address. Currently I am sending him three messages every time I log onto the internet to check my email. And I plan on increasing that number on a regular basis.

I do not plan on his forgetting that he still owes me \$40. For those who would like to do the same thing, his email address is opanit@io.org. Feel free to send Gary Bowser all the email you wish. I'm sure he'll enjoy hearing from each and everyone of us.

## From Cactus Patch

\*User Group Gossip\*  
No 19486  
On 07/09/96 10:40pm  
By DAVID ORMAND 6 (TUCSON AZ)  
To TOM WILLS 1 (SYSOP)  
Sb AZTEC



FLASH!! HOT!! FLASH!! HOT!!

I found out LOTS about AzTeC, the Arizona Freenet! In fact, since I have dumped GENie, I signed up with AzTeC! IT'S FREE! You get access to International E-Mail, USENET News (including the growing comp.sys.ti TI-99/4A News Group), FTP access and Xmodem download/upload capability, Bulletin Boards like our own CP, means of passing files (like

Newsletter Articles), temporary file storage, text Web browsers, and a chance to participate in Arizona On-Line activities! Follow one of the following procedures after setting your terminal type to VT100 (Net or VAX) and terminal width 80 (use f-5 and f-3 to "window" just like TI-Writer):

1: dial 748-4892. Respond V for VT100, y(es), X (other databases), 2 (Sabiu), 3 (Interne()), 2 (Gopher), 5 (Univ, Local, State), 3 (Tucson/Pima Co), 1 (METCOM), and 3 (AZTEC).

2: dial 884-6060 and hit Enter a few times until you get a LOCAL> prompt. Type "c lib", login as "lib", and then follow the same chain as #1 above. When finished and you get back to the LOCAL> prompt, say "logout".

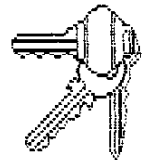
3: dial 791-3250. respond V for VT100, y(es), O (Other), O (Other), C (CactiNet), and 3 (AZTEC).

Once at the AzTeC login, log in as "guest", password "visitor". You can cruise some of the menus, and one (Admin. I think) lets you register. You still have to print out, sign, and mail in a reg form.

Look for a demo at the group meeting soon!

## Feedforth Journal Aug '96

by W. Leonard Tabbs



The three recent checkbook programs listed in previous columns were originally separate programs. NEWCHKREDIT and READNEWCHK have been rewritten to make all three compatible with each other. The flag for deposits which was originally "DP" has been changed to a simple "D". (This flag was "A" in an earlier version of NEWCHECKNG). This allows 999 possible deposit numbers over the course of a year's files. NEWCHKREDIT has been made more versatile, etc. This re-editing has delayed their being uploaded to Cactus Patch bulletin board. When docs for these have been finished, the three programs will be uploaded under the file name "CHECKPAC" (archived).

This month's listing is for another work in progress which is an adder program. This is a much improved version of "ADDERUPPER" included on the March '96 disk of the month. It has added options which include the ability to store entries in an array (optional) as well as save entries to a D/V 80 output file. It can also "retrieve" such a D/V 80 file for later viewing. The main functions of this program were conceived independently--which is to say that its three main uses were not planned to be used interchangeably. While some interchangeable operations may be possible, because these actions were independently programmed, you may get a file error if trying to mix too many. When in doubt re-run the program for its next use.

As I said, this is a work in progress which anyone is welcome to play with. The three main uses of the program are:

- 1) Use as a simple adding machine
- 2) Use as an adder, storing entries into an array for repeated viewing or printout
- 3) Use as an adder, using array, to save entries to a D/V 80 output file which can be viewed at will ("retrieved").

4) Option is included to print array with choice of margin setting.

This program limits length of entries to -000000.00 characters. Attempts to enter a sum over 999,999.00 will result in program error, if the appropriate lines are not programmed to accept such large entries. Dimensions for arrays are set at 200 in line 120. Set these to your own requirements if necessary.

```
1 REM [ADDER#2] 7-20-96
By W. Leonard Taffs, SW99ers
2 !
3 ! ARRAYS DIMENSIONED FOR
200 ENTRIES—Line 120
4 !
5 ! WORK IN PROGRESS!
6 !
100 S1$="Use ""00"" to Total
Entries" :: S2$="Use ""AR""
" for Viewing Array" :: S3$
="Use ""PR"" to Flag Printe
r" :: S8$="Available Command
s:"
110 S4$="Use ""CL"" to Clea
r/Re-Run" :: S5$="Use ""RF""
to Retrieve File" :: S6$="
use ""END"" to END Prog." ::
S7$="Use ""SH"" to View Co
mmands:"
120 DIM C$(200),DC$(200)
130 CALL CLEAR :: DISPLAY AT
(2,8):"ADDER PROGRAM":"By W.
Leonard Taffs, SW99ers" ::
DISPLAY AT(5,1):"with Option
al Array/Printer.":TAB(5);S8
$
140 DISPLAY AT(8,1):"Use ""0
0"" to Total Entries": "Us
e ""AR"" to View Array": "
Use ""PR"" to Flag Printer"
: :
150 DISPLAY AT(14,1):"Use ""
CL"" to Clear/Re-Run": "Us
e ""RF"" to Retrieve File":
"Use ""SH"" to View Comma
nds:"
160 DISPLAY AT(20,1):"Use ""
END"" to End Prog.": "(Ente
r these at ""Amt"" Line)" ::
CALL CHAR(128,"OFF"):: CAL
L HCHAR(23,3,128,27)
170 DISPLAY AT(24,1):"Use Ar
ray for Entries? (0/1) " ::
ACCEPT AT(24,25)VALIDATE("01
")SIZE(-1):AR
```

```
180 PRINT :: INPUT "Use Desc
riptions? (0/1) ":D :: PRINT
:: INPUT "Date (Optional) "
:DT$ :: PRINT :: INPUT "List
ing Header (Opt) ":H
$
190 PRINT :: INPUT "Use Prin
ter? (0/1) ":PR :: CALL CLEA
R :: C=8 :: C1=10 :: PRINT :
: IF PR THEN OPEN #1:"PIO"
200 CALL CHAR(128,"OFF")::
CALL HCHAR(21,2,128,30)
210 DISPLAY AT(22,1):"Use 00
to Sum ";STR$(CT);TAB(19);M
N+AD:"Amt" :: ACCEPT AT(23,5
)VALIDATE("0123456789.-ACDEF
HLNPRSacdelnpr")SIZE(-10):AM
T$ ! INCR by 1
220 IF AMT$="SH" THEN GOSUB
1000 :: GOTO 190 ELSE IF AMT
$="CL" THEN CALL CLEAR :: PR
INT "Re-Running Program!" ::
RUN
230 IF AMT$="" THEN AMT$="0"
ELSE IF AMT$="00" THEN 340
ELSE IF AMT$="AR" THEN 570 E
LSE IF AMT$="END" THEN 480 E
LSE IF AMT$="RF" THEN GOSUB
850 ELSE IF AMT$="PR" THEN P
R=1 :: GOTO 190
240 IF D THEN DISPLAY AT(24,
1):"Desc:" :: ACCEPT AT(24,7
):D$
250 DISPLAY AT(23,15):"Accep
t? (0/1) " :: ACCEPT AT(23,2
8)VALIDATE("01")SIZE(-1):AC$
260 IF AC$="0" THEN 200 ELSE
AMT=VAL(AMT$):: CT=CT+1 ::
IF SEG$(AMT$,1,1)-"-" THEN M
N=MN+AMT :: MNT=MNT+1 ELSE A
D=AD+AMT :: ADT=ADT+1
270 NC=NC+1 :: GOSUB 490 ::
IF DC=21 THEN DC=1
280 DISPLAY AT(DC,C-POS(AMT$
,".",1)):AMT$;" ";D$;CT :: I
F CT=1 THEN HI=LEN(AMT$)
290 IF CT>=21 THEN DISPLAY A
T(DC+1,1):RPT$(" ",28)
300 IF PR THEN PRINT #1:TAB(
C1-POS(AMT$,".",1)):AMT$;" "
;D$;CT
310 IF AR THEN E$(CT)=AMT$ :
: DS$(CT)=D$
320 IF OF THEN IF AR THEN PR
INT #2:E$(CT)&" "&DS$(CT)&"
"&STR$(CT)&CHR$(13)
330 GOTO 200
340 REM ** END OF ENTRIES **
```

```
350 AMT$=STR$(AD):: GOSUB 49
0 :: PRINT RPT$("- ",HI):TAB(
C-POS(AMT$,".",1)):AMT$;" TO
TAL ADS";ADT: : : SV1$=AMT$
&" TOTAL ADS "&STR$(ADT)
360 IF OF THEN IF AR THEN PR
INT #2:RPT$("- ",HI)&CHR$(13)
:: PRINT #2:AMT$&" TOTAL ADS
"&STR$(ADT)&CHR$(13)
370 IF PR THEN PRINT #1:TAB(
C1-POS(AMT$,".",1)):RPT$("- "
,HI):TAB(C1-POS(AMT$,".",1))
;AMT$;" TOTAL ADS";ADT
380 AMT$=STR$(MN):: GOSUB 49
0 :: PRINT TAB(C-POS(AMT$,".
",1)):AMT$;" TOTAL MNS";MNT:
: : : SV2$=AMT$&" TOTAL MNS
"&STR$(MNT)
390 IF OF THEN IF AR THEN PR
INT #2:AMT$&" TOTAL MNS "&ST
R$(MNT)&CHR$(13):: PRINT #2:
RPT$("- ",HI)&CHR$(13)
400 IF PR THEN PRINT #1:TAB(
C1-POS(AMT$,".",1)):AMT$;" T
OTAL MNS";MNT
410 DIFF=MN+AD :: AMT$=STR$(
DIFF):: GOSUB 490 :: PRINT R
PT$("- ",HI):: PRINT TAB(C-PO
S(AMT$,".",1)):AMT$;" DIFFER
ENCE"
420 SV3$=AMT$&" DIFFERENCE "
430 IF OF THEN IF AR THEN PR
INT #2:AMT$&" DIFFERENCE"&CH
R$(13):: PRINT #2:RPT$("=",H
I)&CHR$(13):: PRINT #2:H$&"
"&DT$&CHR$(13)
440 IF OF THEN IF AR THEN PR
INT #2:"EOF File ["&OF$&"] "
&DATE$&" "&H$ :: CLOSE #2 ::
OF=0 :: FSVD=1
450 IF PR THEN PRINT #1:TAB(
C1-POS(AMT$,".",1)):RPT$("- "
,HI):: PRINT #1:TAB(C1-POS(A
MT$,".",1)):AMT$;" DIFFERENC
E"
460 IF PR THEN PRINT #1:TAB(
C1-POS(AMT$,".",1)):RPT$("=",
HI):: PRINT #1:TAB(15);H$;"
";DT$
470 PRINT :: IF AR THEN INPU
T "Review this list? (0/1) "
:RV :: IF RV=0 THEN CALL CLE
AR :: GOTO 200 ELSE GOTO 570
480 PRINT :: INPUT "Return t
o AMOUNTS? (0/1) ":RT :: IF
RT THEN CALL CLEAR :: GOSUB
1050 :: GOTO 200 ELSE PRINT
:RID$ :: STOP
```

```

490 REM ** JUSTIFY **
500 AMT=LEN(AMT$):: P=POS(AM
T$,",",1):: IF P=0 THEN AMT$
=AMT$&"00" :: GOTO 530
510 IF P THEN IF SEG$(AMT$,A
MT,1)="." THEN AMT$=AMT$&"00
" :: GOTO 530
520 IF P THEN AM2$=SEG$(AMT$
,P,AMT):: AM2=LEN(AM2$):: IF
AM2=2 THEN AMT$=AMT$&"0"
530 AMT=LEN(AMT$):: AMU$="
" :: AMU=LEN(AMU$)::
AMX=AMU-AMI :: AMT$=SEG$(AM
U$,1,AMX)&AMT$ ! AMU$ incr b
y 1
540 TAMT=VAL(AMT$):: TOT=TOT
+TAMT
550 IF LEN(AMT$)>HI THEN HI=
LEN(AMT$)
560 RETURN
570 REM ** VIEW ARRAY **
580 IF AR THEN 600 ELSE DISP
LAY AT(23,1):"ARRAY NOT CALL
ED. Re-RUN Program to Est
ablish ARRAY."
590 FOR J=1 TO 600 :: NEXT J
:: CALL CLEAR :: GOTO 200
600 DISPLAY AT(23,1):"File S
tat:"FSVD;" " ;SEG$(OF$,4,12
)
610 IF FSVD OR RF THEN 640 E
LSE IF AR THEN PRINT :: INPU
T "Create Output File? (0/1)
":OF
620 PRINT :: IF OF THEN INPU
T "FILE NAME: ":FN$ :: PRINT
:: INPUT "To Disk #: ":DSC$
:: OF$="DSK"&DSC$&" "&FN$ :
: PRINT :OF$,"0.K.? (0/1)" :
: INPUT ""OK
630 IF AR THEN IF OF THEN IF
OK=1 THEN OPEN #2:OF$,OUTPU
T ELSE IF OK=0 THEN 620
640 PR=0 :: DISPLAY AT(24,1)
:"Enter ""P"" to print Array
" :: CALL KEY(0,K,S):: IF SK
1 THEN 640
650 IF (K=80)+(K=112) THEN PR
=1
660 CALL CLEAR :: IF PR THEN
INPUT "Input Desired Margin
":MRG :: PRINT :: PRINT #1
:TAB(MRG);H$;" " ;DT$: :
670 IF IC THEN PRINT RID$: :
680 FOR I=1 TO CT+1
690 PRINT E$(I);" " ;SEG$(DS$
(I),1,15);I

```

```

700 IF IC THEN 710 ELSE IF P
R THEN PRINT #1:TAB(MRG);E$(
I);" " ;DS$(I);" " ;I
710 IF IC THEN IF PR THEN PR
INT #1:TAB(MRG);E$(I);" " ;DS
$(I)
720 IF OF THEN PRINT #2:E$(I
);" " ;DS$(I);" " ;I
730 CALL KEY(0,K,S):: IF S<>
1 THEN 760
740 IF K=81 THEN 820
750 CALL KEY(0,K,S):: IF S<>
1 THEN 750
760 NEXT I
770 IF IC THEN 790
780 IF PR THEN PRINT #1:TAB(
MRG);RPT$("-","HI):TAB(MRG);S
V1$:TAB(MRG);SV2$:TAB(MRG);R
PT$("-","HI):TAB(MRG);SV3$:TA
B(MRG);RPT$("=",HI)
790 IF IC THEN IF PR THEN PR
INT #1:TAB(MRG);RID$
800 IF OF THEN PRINT #2:RPT$
("-","HI):: PRINT #2:SV1$:SV2
$ :: PRINT #2:RPT$("-","HI)::
PRINT #2:SV3$ :: PRINT #2:R
PT$("=",HI)
810 IF IC THEN 820 ELSE IF O
F THEN PRINT #2:"EOF ["&OF$&
"] "&DT$&" "&H$ :: CLOSE #2
:: OF=0 :: FSVD=1
820 PRINT :: INPUT "See Agai
n? (0/1) ":AG :: IF AG THEN
I,MRG,PR=0 :: CALL CLEAR ::
GOTO 570
830 CALL CLEAR :: GO TO 200
840 RETURN
850 REM ** RETRIEVE FILE **
860 CALL CLEAR :: INPUT "Fil
e to Read: ":FT$ :: PRINT ::
INPUT "From Disk: ":DSC2$ :
: FT$="DSK"&DSC2$&" "&FT$
870 PRINT :FT$,"0.K.?" :: I
NPUT "(0/1/2) ":OK2 :: CALL
CLEAR :: IF FE THEN FE=0 ::
GOTO 890
880 ON ERROR 910
890 IF OK2=0 THEN 860 ELSE I
F OK2=2 THEN PRINT "RE-Runn
ing Prog : File Error" :: RU
N
900 IF OK2=1 THEN OPEN #6:FT
$,INPUT :: DISPLAY AT(24,1):
"Retrieving File." :: GOTO 9
20
910 INPUT "FILE ERROR
PRESS ENTER TO GO
ON":K$ :: FE=1 :: GOTO 850

```

```

920 IF OK2=2 THEN FT$="" ::
DSC2$="" :: OK2=0 :: GOTO 16
0 :: RETURN
930 LINPUT #6:A$ :: IC=IC+1
:: DISPLAY AT(24,25):IC
940 I PRINT A$ I Test Line
950 IF POS(A$,"EOF",1) THEN R
ID$=A$ :: CLOSE #6 :: GOTO 9
80
960 A1$=SEG$(A$,1,9):: A2$=S
EG$(A$,11,22):: E$(IC)=A1$ :
: DS$(IC)=A2$
970 GOTO 930
980 DISPLAY AT(24,18):"RETRI
EVED" :: AR=1 :: CT=IC :: RF
=1 :: GOTO 200
990 RETURN
1000 REM ** Reference List *
*
1010 CALL CLEAR :: DISPLAY A
T(1,1):S8$: :S1$: :S2$: :S3$
: :S4$: :S5$: :S7$: :S6$
1020 DISPLAY AT(17,1):"Press
ANY key to Continue..." ::
CALL KEY(0,K,S):: IF SK1 THE
N 1020 :: CALL CLEAR
1030 GOTO 200
1040 RETURN
1050 REM ** CLEAR VARIABLES
**
1060 AD,ADT,AMT,CT,DC,DIFF,H
I,MN,MNT,RF,TAMT,TOT=0
1070 RETURN
ADDER#2 PROGRAM The opening screen
you will see when this program is
loaded into memory and run looks like
this:

```

**ADDER PROGRAM**

By W. Leonard Taffs, SW99ers

with Optional Array/Printer.

Available Commands:

- Use "00" to Total Entries
- Use "AR" for Viewing Array
- Use "PR" to Flag Printer
- Use "CL" to Clear/Re-Run
- Use "RF" to Retrieve File
- Use "SH" to View Commands
- Use "END" to End Prog.

(Enter these at "Amt" Line)

---

Use Array for Entries? (0/1)  
Prompt #1 --

This screen summarizes the commands which can be entered when you arrive at the Amount ("Amt") Input prompt. This list of commands will not remain on screen when using the program. They can be viewed at any time you are at the amount prompt by entering "SH".

To get acquainted with the program, load and run the program and pass through the opening 5 prompts as follows: (Note that "0" means NO and "1" means YES at various prompts in this program)

- 1) "Use Array for Entries? (0/1)" Enter 0 and press <ENTER>.
- 2) "Use Descriptions? (0/1)" Enter 0 and press <ENTER>.
- 3) "Date (Optional)" Press <ENTER> to bypass.
- 4) "Listing Header (Opt)" Press <ENTER> to bypass.
- 5) "Use Printer? (0/1)" Enter 0 and press <ENTER>.

The screen will now clear and you will see the "Amt" prompt with blinking cursor near the bottom of your screen:

```
Use 00 to Sum 0 0
Amt  <--(For number entries or commands.)
```

You now are in the simplest mode of this program. You can enter numbers you wish to add. Use the minus sign for any subtracts. After each number is entered, to the right of the number will be the legend "Accept? (0/1). This allows you to correct a mis-entered number (by entering 0 and pressing <ENTER> or if number is o.k., then enter 1 and press <ENTER>). Your entries will be displayed from the top of your screen, downward. In this mode no entries are recoverable from memory.

When you have finished entering your figures, enter "00" as the final "Amount" entry. The program will now total your entries by showing the total of the positive and negative numbers you entered and the difference between them. A prompt "Return to AMOUNTS? (0/1)" waits for your response. "1" will return you to Amt prompt. Entering a zero here will end the program.

Included in this program is the option to add a description to each number entry. Re-Enter your beginning options as described above but this time enter a "1" at "Use Descriptions?..". After you enter a number, you will get a prompt below "Amt" which is "Desc:". Here you can enter a short description--it will be limited to 22 characters. Once a description is entered (press <ENTER>) the "Accept?.." legend will again wait for your confirmation. To make corrections, enter 0/press <ENTER>. The program displays the number count of each entry to the right of each description. If the explanation/ description (and entry #) exceed the right screen margin, they will be pushed down to the next line and will be blanked out when your next entry is displayed.

If you wish to send your figures to your printer, enter "CL" at the Amt. prompt to re-start the program and enter "1" at "Use Printer?" prompt. Now as you make entries they will be sent to the printer. If you have made entries that are being sent to the printer and you decide you wish to make further entries but not send them to your printer, you can enter "PR" as an amount which gives you a chance to cancel the printer flag. This "cancelling" technique

will only work once without creating a file error. Re-run the program if you wish to reactivate the printer.

This far you now have the equivalent of a tape adding machine (no division or multiplying provided). As before, no entries are recoverable from memory.

Note that all "commands" in this program require UPPER CASE (Capital letters).

Now try entering some of the commands:

Enter 00 and press <ENTER>. The program shows the total of all positive amounts entered, the total of negative amounts entered and the difference between these. A prompt appear below this "Return to AMOUNTS? (0/1). For now, enter 1 which will return you to Amt line. Had you entered 0 instead of 1, the program will terminate as it has no amounts to work with.

Now enter "AR". You should see for a short time the message:

```
ARRAY NOT CALLED      Re-RUN"
Program to Establish ARRAY."
```

Enter "PR". You should get the prompt: "Use Printer? (0/1). This is a toggle for the program to allow you set the printer to send information to your printer. A zero cancels any printer commands. A "1" activates printer flags, but refer to above comment for limits of this toggle.

If you enter "CL" the program is started all over again as the screen informs you (takes about 7 secs).

Enter "RF", now. You will be prompted for "File to Read:". Make up and enter a nonsense filename. You will be asked "From Disk:". Enter any drive number. Your entries will be shown with "O.K.?" to the right. Below this appears: "(0/1/2)".

Entering "0" allows you to re-enter filename and disk #.

Entering "1" tells the computer to go ahead and read such a file. If you enter a non-existent file you will get a FILE ERROR prompt. Pressing ENTER TO GO ON will give you another chance to enter correct filename.

Entering "2" after any filename and disk entry allows you to escape by re-running the program. Save time by having correct file information.

If you enter "END" as a command you have a chance to return by entering "1" at "Return to AMOUNTS? (0/1) prompt.

If you enter "SH" as a command you will see command summary displayed on screen.

STORING ENTRIES using an array. The program has 2 arrays dimensioned--one for your figures and the other for descriptions. To store numbers only, enter "1" at first program prompt. To store both, enter "1" at first and second program prompts. Each array is dimensioned for 200 entries, probably more than enough for most users. Change line 120 to accommodate more.

Activate the numbers array by entering 1 at the first prompt and begin entering a few numbers. Then enter "AR" at the Amt prompt and press <ENTER>. Before any of your entries will be shown you will get two prompts. For now enter "0" at the "Create Output File? (0/1)" and just press <ENTER> to bypass the

"Enter "P" to print array". All your entries will be displayed but no totals. When all entries have been shown another prompt appears: "See Again?..". Entering a "1" brings the "Create Output.." prompt again, above which is "File Stat:" legend with either a zero or 1 showing. A "1" indicates you have opened an Output File, (its name should be displayed) a zero = no file has been opened. Enter "0" again and the previous prompts appear again and your entries are displayed again. If you enter "0" at "See Again.." you are returned to Aut prompt.

To see the sum of your array, enter "00". After the summary (Ads+Mns=Difference) the prompt "Review this list? (0/1)" allows you to see the array again by entering 1. You will see the same sequence of prompts once an array has been used. If you wish to send the array contents to your printer, press the letter "P": at the "Enter "P" to print.." prompt. When you enter this "P" you will be prompted for a margin setting for your printer.

Remember, this is a program in progress and is far from perfect. The loop at line 680 needs fixing to avoid the blank entry shown in display, etc. Perhaps some reader will get to improve this before time allows me to. Anyway, it's another toy that I have found quite useful as is...

## The Ring Companion by Ken Gilliland

a review  
by Gary Kuehn of the SW99ers



Let me start this article by saying that if you are a regular reader of this newsletter my name will seem out of place. I live in Pittsburgh, PA and have only been in Tucson once in my life, so writing for the SouthWest 99ers is a bit strange for me. The Pittsburgh Users Group disbanded in May due to several reasons and since I am an out-of-town member of SW99ers, I wanted to try to "earn my keep".

First let me say "Many Thanks" to the SW99ers for this opportunity to help out from such a long distance. I hope I will be able to continue helping out in the future.

I was given a program to test and review earlier this year and I eagerly said "sure" not knowing what to expect. As I use a Geneve, I have learned to expect the unexpected and I wasn't disappointed, as usual. I would rather not get into a discussion about the Geneve, and will leave that for another time but I will just say that it takes time to understand how the Geneve will work with each different program and with lots of re-boots and patience one can usually be successful.

Ken has given us a great two disk program with this work about the late, great, composer Wagner (pronounced Vagner with a long a). Not only has he given us his usual pictures and great text descriptions of each phase of his work, he has, this time, given us music to work by. I will try to explain each in this review.

Upon entering Extended Basic and auto loading you are presented with a menu of four selections, the first of which is the text library. These files are about the composer Wagner, the instruments Wagner choose for the orchestra, and the characters in the opera. Also

you can pick the screen colors, character colors, and character styles you like best.

The program will also load and display a picture of Wagner for your enjoyment, for about 50 seconds, then return you to the main menu. There is a slide show which will display the other pictures and instances which are part of the opera. These pictures and instances are in the TI-Artist "\_P" and "\_I" format and can be used by several commercial programs available for the TI and Geneve user.

Next is the section for the playing of the music or Leitmotifs which is part of the Ring Opera. A Leitmotifs or "Leading Motives" is a short uncomplicated musical phrase or theme which defines a mood, a character, place or object. I found them to be rather interesting but quite short and as I can't remember ever listening to the "Der Ring des Nibelungen" I don't understand how the phrases fit into the music. I guess I will just have to visit the local National Record Mart and pick up a tape or two.

If you are a Wagner fan then this two disk set will be a great addition to your music library, print out the pictures and then listen to the Leitmotifs while practicing your German, wow, what a night that would be.

I found that the Geneve would load the main menu just fine but wouldn't go past it at all. I was able to load each section from the Extended Basic environment without any trouble and each section worked very well. Understand that this took some time to figure out and as I remember, other programs by Ken worked fine on the Geneve, so I was surprised to see this problem. On well, we all learned how to solve problems on the TI, so finding a solution on the Geneve wasn't so bad.

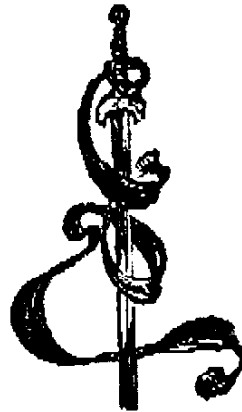
I have enclosed all the pictures here for you to view, these were printed by using TPA for MDOS by McCann Software. TI-ARTIST (II and Plus), Asgard's Page Pro and with some conversions GRAPHX and TIPS can be used to print and view the pictures. Check your manuals for information.

The large Ring picture comes in 6 sections and must be put together to form the one large picture. TI-ARTIST PLUS or TPA for MDOS will do the job nicely.

Happy Ring(ing).







## SouthWest Ninety-Niners UG Info

The Southwest Ninety-Niners is a Computer User Group formed to promote the use of the TI-99/4A and compatibles. We are not affiliated or sponsored by Texas Instruments. Membership is \$20 per year for non-U.S. members. For U.S. members the first year is \$20 and renewal is \$15 per year.

The membership fee pays for printing and mailing the newsletter, which is published 12 times per year. Your membership entitles you to buy disks, cassettes and other items from the group at significant savings, compared to the local market. Members also have the privilege of borrowing books, magazines and modules from the Lending Library, obtaining copies of Fairware and Public Domain software (subject to copying fees) from the group disk library, and a disk of the month with a variety of programs on it is prepared for members who attend the main group meeting on the first Tuesday of each month. Non-attending members may obtain a DOM for \$1 to cover postage and mailer.

Family memberships are available at the same cost, they allow all family members the same privileges, however, only one newsletter is sent out and only one vote at business meetings is allowed per membership.

To join the SouthWest Ninety-Niners UG please send a check or write for more information to:

SouthWest Ninety-Niners  
PO Box 17831

Tucson, AZ 85731

Or call David Ormand (520)795-2005  
Or Cactus Patch BBS (520)790-6277

**Members Meet**

First Thursday - August 1st - 7:00 p.m.  
At VFW Post 4903. David Ormand plans to show  
us Term 80, Telco, and Arizona FreeNet Access

**Exec Meeting**

August 15th, 7:00pm, VFW Post 4903. Those who  
plan to eat dinner please arrive early.

**C99 SIG**

Friday, August 23rd - 7pm - at the Mathis' home.

**Membership Report**

Wes Eng, Les Neff, and Tim Abein renewed their SW99er  
memberships in July. Newsletters will be mailed to  
45 members, plus 30 groups and vendors this month.

**Who Do Ya' Call?**



- Richard Baron - Disk Librarian ..... 885-4812
  - Mike Doane - VP/Technical Assist ..... 298-3835
  - BJ Mathis - Editor/Library Chmn ..... 747-5046
  - Jack Mathis - Technical Assist ..... 747-5046
  - Matt Matthews - Lending/News Lib ..... 428-6910
  - Les Neff - Secretary ..... 327-6437
  - David Ormand - President ..... 795-2005
  - Rod Stallard - Treasurer ..... 745-6071
  - Tom Wills - BRS SysOp/Lending Lib ..... 886-2460
  - Open - DOM Preparation ..... ??????
  - Cactus Patch BBS ..... 290-6277
- (Area code 520 for phone numbers above)

**Contents**



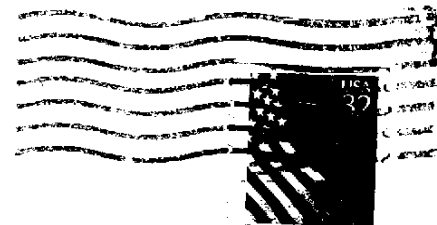
Bruce's Latest Gift .....	Shanfield ..	1
Disk of the Month .....	Matthews ...	1
July "Meeting" .....	Neff .....	2
Treasurer's Report .....	Stallard ...	2
Money .....	(Matthew's Collection... Armour .....	2
President's Corner .....	Ormand .....	3
Tom's Observations .....	Wills .....	3
From Cactus Patch .....	Ormand .....	4
Feedforth Journal August '96 .....	Taffs .....	4
The Ring Companion .....	Kuehn .....	8
SW99ers UG Info .....		9
Membership Report .....		10
Meeting Dates .....		10

**September Newsletter Deadline >> August 23rd, 1996 <<**

**SouthWest Ninety-Niners/Aug '96**



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