ROCKY MOUNTAIN 99ERS

TIC TALK

FROM THE EDITOR

Because of the requests in the few surveys returned to me, I am
including a few of the BBSes in the Denver area in this months
newsletter. The information is accurate as far as I know.   If anyone
finds any inaccurate information, please feel free to contact me and
let me know.

There is also a new BBS in town that runs on a TI-99/4A. It is called
BOOT CAMP, and is sponsored and operated by Dan Fritzler (known as the
BRASS HAT). Phone # is 989-8257. It's only up part-time at present,
but if traffic gets heavy will go up 24 hours a day. Present hours
are: Weekdays..4:00 to 10:00 PM, Weekends..10:00 AM to 10:00 PM. There
are boards for just about everyone. A Main board for chit-chat, an
Editor/Asembler board, a Programmers board, Shortcuts and Tips to name
a few. It is a bit slow(as are all BBS written for the TI at present),
but worth a call.

I did not get as much response from the survey as I had hoped.
Evidently a lot of people out there do not wish to have any say in what
happens with the club. Those few that DID respond to the survey, I
thank you. Those of you who did not...YOU KNOW WHO YOU ARE! Seriously,
if you do not respond to the survey, you have no right to complain
about what is put into the newsletter or presented at the meetings.
Those who DID respond your voices are heard and I will do everything I
can to comply with your wishes.

MAY MEETING

May 7

Jefferson County Fairgrounds

Auditorium 7:00 PM

6th Ave. West to Indiana Ave.

SIG MEETINGS

The EDITOR/ASSEMBLER SIG will
meet on Wednesday, May 1st,
7:00 PM at Unique systems
located at Bates and Broadway
behind the Oak and Pine store.

```
AD-COMM TBBS   300/1200 BAUD
PHONE:  (303) 755-3888
HOURS:  24 HOURS A DAY
SYSOP:  ??
SPONSOR:  ??
COMMENTS:  ADVERTISING  COMMERCIAL
           MESSAGES, SIG SECTIONS
```

```
APPLE PI GBBS
PHONE:  (303) 469-7541
HOURS:  24 HOURS A DAY
SYSOP:  STEVEN MARTIN
SPONSOR:  APPLE PI CLUB OF DENVER
COMMENTS:
```

```
THE ASYLUM
PHONE:  (303) 989-5215
HOURS:  24 HOURS A DAY
SYSOP:  SYS/DOC
SPONSOR:  SYS/DOC
COMMENTS:  RUNS ON A COMMODORE 64
```

```
ATRARI BBS
PHONE:  (303) 758-6233
HOURS:  6:00 PM-10:00 PM MON-SUN
SYSOP:  STEVE
SPONSOR:  VIDEO WORLD
COMMENTS:
```

```
AURORA-NET   300/1200 BAUD
PHONE:  (303) 343-8401
HOURS:  24 HOURS A DAY
SYSOP:  KEN SCROGAN
SPONSOR:  THE COMPUTER-LINE
COMMENTS:
```

```
GBBS II
PHONE:  (303) 693-1064
HOURS:  (SEE COMMENTS)
SYSOP:  GREG SCHAEFER
SPONSOR:  GREG SCHAEFER
COMMENTS:  WEEKENDS: 24 HOURS
           WEEKDAYS: 3:00-7:00 AM
```

```
INTERCOMEX
PHONE:  (303) 367-1935
HOURS:  24 HOURS A DAY
SYSOP:  BERNARD SAULTER
SPONSOR:  BERNARD SAULTER
COMMENTS:
```

```
LAKEWOOD RCPM/BBS
PHONE:  (303) 985-1108
HOURS:  24 HOURS A DAY
SYSOP:  GARY SHAFFSTALL
SPONSOR:  INT'L SOFTWARE SERVICES
COMMENTS:  LARGE CATALOG OF CP/M 2.2
           PUBLIC DOMAIN SOFTWARE
```

```
ODYSSEY 1
PHONE:  (303) 691-0169
HOURS:  24 HOURS A DAY
SYSOP:  ??
SPONSOR:  ODYSSEY MAGAZINE
COMMENTS:  X-RATED BOARD
           FEE REQUIRED
```

```
OFF THE WALL
PHONE:  (303) 443-3367
HOURS:  24 HOURS A DAY
SYSOP:  ROB POLAND
SPONSOR:  MICRO SQUIRE
COMMENTS:
```

THE BAHA'I BBS
PHONE: (303) 449-3306
HOURS: 24 HOURS A DAY
SYSOP: FRANK HAENDEL
SPONSOR: FRANK HAENDEL
COMMENTS:

PARAPSYCHOLOGY INFO NET
PHONE: (303) 722-6210
HOURS: 24 HOURS A DAY
SYSOP: BILL TEDDER
SPONSOR: ??
COMMENTS: BBS DEVOTED TO EXPLORING
             VARIOUS PSYCHIC PHENOMENA

THE CONTROLLER BOARD   300/1200 BAUD
PHONE: (303) 690-9423
HOURS: 24 HOURS A DAY
SYSOP: MIKE HASTINGS
SPONSOR: MIKE HASTINGS
COMMENTS:

PHOTO TECH BOARD
PHONE: (303) 781-1079
HOURS: 24 HOURS A DAY
SYSOP: JIM GERRITZ
SPONSOR: ??
COMMENTS: FORUM FOR CAMERA TECHS TO
             EXCHANGE IDEAS AND INFO

CORPORATE HQ TBBS
PHONE: (303) 297-9127
HOURS: 24 HOURS A DAY
SYSOP: BILL GEORGE
SPONSOR: BILL GEORGE
COMMENTS: VARIOUS TRS-80 DOWNLOADS

PINECLIFFE RCP/M
PHONE: (303) 642-3034
HOURS: 24 HOURS A DAY
SYSOP: CRAIG BAKER
SPONSOR: ??
COMMENTS:

DATA BANK
PHONE: (303) 0167
HOURS: 24 HOURS A DAY
SYSOP: HARRY BOLLS
SPONSOR: ??
COMMENTS: DOWNLOADS MESSAGES
             IBM WITH RBBS

THE POLICE STATION
PHONE: (303) 373-1417
HOURS: 24 HOURS A DAY
SYSOP: MR. SOFTWARE
SPONSOR: MR. SOFTWARE
COMMENTS:

DENHUG BBS
PHONE: (303) 423-3224
HOURS: 24 HOURS A DAY
SYSOP: LARRY MEANS
SPONSOR: HEATHKIT ELEC CENTER
COMMENTS: NON-MEMBER SIGN-ON
             IS 'PUBLIC'

RCPM/RBBS
PHONE: (303) 499-9169
HOURS: (SEE COMMENTS)
SYSOP: JACK RILEY
SPONSOR: JACK RILEY
COMMENTS: WEEKDAYS: 7:30 - 11:30 PM
             WEEKDAYS: 12:00 - 9:00 PM

DENNY'S HOUSE
PHONE: (303) 751-2564
HOURS: ??
SYSOP: DENNIS DYER
SPONSOR: DENNIS DYER
COMMENTS:

FIDO-NET
PHONE: (303) 973-9338
HOURS: 24 HOURS A DAY
SYSOP: OSCAR BARLOW
SPONSOR: ??
COMMENTS: IBM PC: DOWNLOADS
           AND MESSAGES

FIDO-NET #334   300/1200 BAUD
PHONE: (303) 534-5456
HOURS: 24 HOURS A DAY
SYSOP: MIKE PORTUGAL
SPONSOR: MICRO BROKER
COMMENTS: MESSAGES AND DOWNLOADS

FIDO-NET SANYO
PHONE: (303) 431-0051
HOURS: 24 HOURS A DAY
SYSOP: ??
SPONSOR: ??
COMMENTS: SANYO USERS BBS

GBBS EXPERIENCE SOFTWARE
PHONE: (303) 798-0792
HOURS: SEE COMMENTS
SYSOP: ??
SPONSOR: EXPERIENCE SOFTWARE
COMMENTS: MON-FRI: 6:00 PM-10:00 AM
           WEEKENDS: 24 HOURS

STAR BOARD
PHONE: (303) 455-3113
HOURS: 24 HOURS A DAY
SYSOP: MARK JOHNSON
SPONSOR: MARK JOHNSON
COMMENTS: HAS A SUB-BOARD FOR TI-99

TBBS #1   300/1200 BAUD
PHONE: (303) 741-4071
HOURS: 24 HOURS A DAY
SYSOP: CLIFFORD WINDSLOW
SPONSOR: APPARAT, INC
COMMENTS: NEWDOS/80 SUPPORT
           PROGRAM DOWNLOADS

TBBS #2 (UFO-NET)
PHONE: (303) 278-4244
HOURS: 24 HOURS A DAY
SYSOP: BOB DRATCH
SPONSOR: BOB DRATCH
COMMENTS:

TBBS HEADQUARTERS   300/1200 BAUD
PHONE: (303) 690-4566
HOURS: 24 HOURS A DAY
SYSOP: DAVE EBERT
SPONSOR: EBERT PERSONAL COMPUTERS
COMMENTS: SHOWCASE BBS FOR EBERT'S
           TBBS SOFTWARE SYSTEM

THE UNKNOWN BBS
PHONE: (303) 988-8155
HOURS: 24 HOURS A DAY
SYSOP: HENRY BIRDSEYE
SPONSOR: HENRY BIRDSEYE
COMMENTS: ALL JOKE BBS
           DENVER AREA BBS LIST

TI-WRITER

Did you know that you could do bit graphs using TI-WRITER ?
The list below may look familiar to you. I took it out the TI-WRITER book
and changed it for the Gemini 10X printer. All the display characters were
made with the bit graphs mode of the printer, and the transliterate
command.
Some simple graphs can also be done with these commands. The problem comes
when you use a CHR$ greater than 127 ,why, hint pg.145.
The most important ASCII CODE is 27 to me anyway.

ASCII CODE	FUNCTION ACRONYM	FUNCTION		PRESS KEY	SCREEN DISPLAY
0	NUL	Null		SHIFT 2	
1	SOH	Start heading		SHIFT A	
2	STX	Start text		SHIFT B	
3	ETX	End text		SHIFT C	
4	EOT	End transmission		SHIFT D	
5	ENQ	Enquiry		SHIFT E	
6	ACK	Acknowledge		SHIFT F	
7	BEL	Rings Gemini's Bell		SHIFT G	
8	BS	Backspace		SHIFT H	
9	HT	Horizontal tab	(Gemini)	SHIFT I	
10	LF	Line feed	(Gemini)	SHIFT J	
11	VT	Vertical tab	(Gemini)	SHIFT K	
12	FF	Form feed	(Gemini)	SHIFT L	
13	CR	Carriage return	(Gemini)	SHIFT M	
14	SO	Double-width	(Gemini)	SHIFT N	
15	SI	Condensed print	(Gemini)	SHIFT O	
16	DLE	Data link escape		SHIFT P	
17	DC1	Offline	(Gemini)	SHIFT Q	
18	DC2	Device Control 2		SHIFT R	
19	DC3	Device Control 3		SHIFT S	
20	DC4	Device Control 4		SHIFT T	
21	NAK	Negative acknowledge		SHIFT U	
22	SYN	Synchronous idle		SHIFT V	
23	ETB	End transmission block		SHIFT W	
24	CAN	Cancel		SHIFT X	
25	EM	End medium		SHIFT Y	
26	SUB	Substitute		SHIFT Z	
27	ESC	Escape	(Gemini)	FCTN R	
28	FS	File separator		FCTN Z	
29	GS	Group separator		FCTN T	
30	RS	Record separator		SHIFT 6	
31	US	Unit separator		FCTN U	

HAVE FUN TILL NEXT MONTH   ☺

TI-WRITER

By Wayne R. Luedtka
   344-5140

Don't go and ━━━➤ #   ☹☹☹   blow your brains out
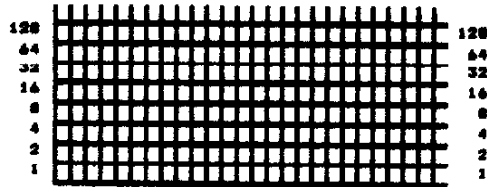over a little   thing like the graphics mode.

Last month I told you, you could do bit graphs with TI-WRITER. Well this
month I'll tell you how to do it . First a few words of caution, remember
that TI-WRITER will always put a carrige return (CHR$(13)) , and a Line feed
(CHR$(10)) unless you tell it other wise. We do this by putting a (.CR) or
(.LF) after the output device , eg. PIO.LF . This tells the computer not to
output that code at the end of the line. With the Gemini I found that I have
to leave it in the mode in which the printer adds a line feed after the
Carriage return is sent. Other-wise the computer will do wierd things. For
instance with the 8 in   the   transliterate   command   "   .TL
43:27,75,5,0,128,56,8,63,0" which makes up the character " 4", if printed with
the command "PIO.LF" the computer will see the 8 as some thing other than the
correct character you wanted.

For example in the last months news letter, the characters after the ASCII
codes 4,13,20 , should have been: 4 , 5 , 4 respectively . When I printed out
the letter, the printer put in that weird character, then spaced over half a
page and printed the CHR$(63) which turned out to be the "?".

The second thing you might keep in mind is that the computer and the printer
have less intelligence than a common earth worm . After all the computer
won't do anything unless you tell it; what ,when ,where ,and most important
HOW! .   Next ,read through chapter 6 on THE FUNDAMENTEALS OF DOT MATRIX
PRIINTING in the Gemini book. The next thing you need is some graph paper for
your preliminary drawing .   What-you say you don't have any graph paper ?
Well, make some. How? Well you have one of the most powerfull graph paper
making tools right   at your finger tips. With TI-WRITER, try (.TL
1:27,76,10,0,255,255,3,3,3,3,3,3,3,3).
This will make the simbol "L". By putting a lot of these together, you can
form one of these 'LLLLLLLL'. Next trick is to form a bunch of boxes out
of your new found object. To do this , we must put the printer in a mode
so that there are no spaces between the lines. All that is required for
this is a line spacing of 15/144 of an inch. To do this, use the CTRL U,
then ASCII 27, (FCTN R), 3, ASCII 15, (SHIFT O). Remember, change the
spacing back to 1/6 inch when youre done. This can be found on page 128 of
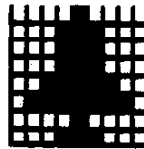the manual.

With TI-WRITER you should be able to make a box which looks like this.

The numbers on the side represent the values for the dots in that line. All the dots in each column must be added up to get the firing order of the pins in the print head. Now take the set of numbers you have compiled, and add the commands for the printer and transliterate command ".TL 5:27,75,??,0,". The "??" are for the number of dot codes to follow. The "0" tells the printer that you plan to send it less than 255 dot codes. When using TI-WRITER, you can only get one line of dot codes with the .TL "Transliterate" command.

Let's try and make a rocket. Draw it out on your graph paper first.

                    0 4 12 125 255 125 12 4 0

 Then convert each column into dot codes,

and add the Transliterate command for a finial result of
".TL 5:27,75,9,0,0,4,12,125,255,125,12,4,0"

Till next month ☺   ♠
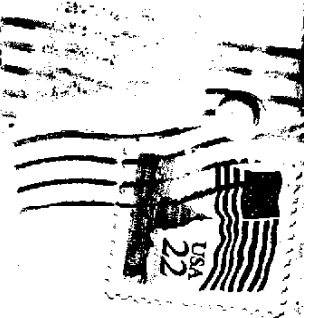
Rocky Mountain 99'ers

TIC TALK

This publication is printed monthly for the benefit of the membership of the Rocky Mountain 99'ers Computer Club. The Club and the paper are not for the benifit nor backed by any commercial enterprize. Both are non-profit in nature and are for the sole purpose of computer education. Any fees collected are used to defray any cost to maintain the organization. Neither the paper nor the Club have any affiliation with Texas Instruments. Any statements published in this paper are not necessarily the opinion of the membership.

``` OFFICERS and CHAIRMEN ```

```
PRESIDENT......................TED MICHELSEN................986-3513
VICE PRESIDENT.................MIKE HOLMES.................751-7945
SECRETARY.....................MARTHA WEEG.................320-5589
TREASURER.....................KEN MONSON.................233-1788
EDITOR........................DAVID OWEN.................458-7315
LIBRARIAN.....................PETE CROWELL...............750-5949
MEMBERSHIP....................MARTHA WEEG................320-5589
PROGRAM CHAIRMAN..............MIKE HOLMES................751-7945
EDITOR/ASSEMBLER..SIG.........MIKE HOLMES................751-7945
TI FORTH..........SIG.........PETE CROWELL...............750-5949
MULTIPLAN.........SIG.........BEN KRAMER.................237-1056
THE STAR BOARD....BBS.........................455-3113
```

DEN APR 28 PM 1985 802

USA 22

* * ROCKY MOUNTAIN 99ers * *
      P.O. Box 12605
      Denver, CO 80212

FIRST CLASS

Dallas TI Home Computer Grp
1221 Mosswood
Irving TX 75061