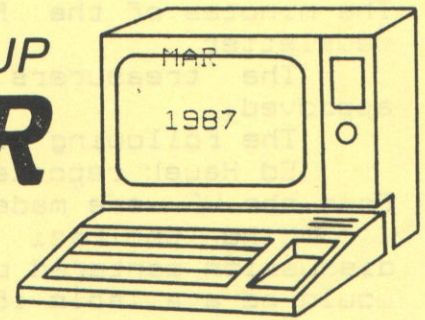


# CEDAR VALLEY 99'ER USER GROUP NEWSLETTER



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## \*\*\*\*NEWSLETTER TOPICS\*\*\*\*

1. Future Meeting Dates
2. Next Meeting Notes
3. Minutes From Mar Meeting
4. New Officers
5. Highlight Those Inputs
6. Error Codes

## \*\*\*\*FUTURE MEETING DATES\*\*\*\*

Please mark the following dates on your calendar for future meetings:  
APRIL 13, MAY 11, JUNE 8.

## \*\*\*\*\*NEXT MEETING\*\*\*\*\*

Monday, Apr. 11, 7:00 PM at the JA building, 330 Collins Rd. NE.  
Special Interests continued.  
Jim Green will review some programs he downloaded from GENIE. One is a unique form of solitaire. Should be interesting. Come and join the fun!



## \*\*\*\*\*MINUTES FROM MAR MEETING\*\*\*\*\*

The CV 99'ers UG meeting was called to order at 7:07 PM on March 9, 1987 by President Jim Green. Eighteen members and one guest were present. The minutes of the February meeting were approved as printed in the newsletter.

The treasurers report covering the past three months was read and approved.

The following discussions of problems took place:

Ed Hayek reported on a graph printing problem. Several suggestions from the UG were made. Ed will try some of the ideas that were new to him.

Mike Bonifazi reported on an audio problem he is experiencing. The discussion centered on a possible bad cable being the cause. Gary Bishop would be available if further help was needed.

Election of UG officers for the new year. President Jim Green introduced the candidates selected by the election board. They have volunteered to serve for the coming year. The floor was opened for further nominations or volunteers. None were forthcoming. The election followed.

Ed announced after counting the ballots that the following were unanimously elected to take office in May.

PRESIDENT-----JERRY CANADY  
VICE PRESIDENT-----BRUCE WINTER  
SECRETARY-----BILL PAETH  
TREASURER-----JIM HARRINGTON

Jim Green volunteered to take over as newsletter editor. Still needed are people for the following committee positions.

PROGRAM-----  
PUBLICITY-----  
EDUCATION-----

Any one interested? This is your club and can only be as effective to your wants and needs as YOU want it to be.

Business meeting was then adjourned.

Programs of the evening.

Jerry Canady tried to demonstrate "Print Gems". This is a fund raiser program on disc by the LA UG. He has been using it for the newsletter but due to a faulty disc drive on the clubs system had to tell about it and show some of his past experiments using the programs.

Ed Edwards - Demonstration and question answering session of Ver 5.0 of "Creative Filing System". This is a Fairware data software described in the February newsletter.

Ed Hayek - After finally obtaining a power cord for his system showed the "Microsoft Multiplan" and how he has used it to keep the books of the UG.

A fourth system was being used to make copies of programs in the UG library.

Thanks to all for the demonstration and entertainment for the evening.

Bill Paeth won the door prize for the evening. It was a years subscription to R/D COMPUTING donated for running their ad in the February newsletter.

-Submitted by Bill Paeth acting secretary.



## NEW OFFICERS ELECTED

Congratulations to the new officers of the Cedar Valley 99'ers! The following people were elected UNANIMOUSLY at the March meeting:

President - Jerry Canady  
Secretary - Bill Paeth

Vice-President - Bruce Winter  
Treasurer - Jim Harrington

The new officers assume their duties on May 1. We should all be grateful to these four people for volunteering their time and energies to keep our group going. Having been president for the last two (or is it three?) years, I know how much the officers will gain by being unselfish with their time. It really is true that you get out of an organization more than you put into it.

Which brings me to the second part of this article...we still have room for more volunteers to step forward! I agreed with Jerry to take on the newsletter editor's job if he agreed to run for president (I wonder who got the best of the deal here?), but there are other positions not yet filled for the coming year. We need a program chairperson to help plan the topics for the monthly demonstrations. We no longer have an education chairperson to help organize classes. Paul Mortenson could use some help with publicity. And the list goes on... Please decide which job you can help with, and give our new president a call. We need you! Other clubs across the nation are dying out due to apathy from the membership; let's not let ours be one of the casualties. Ask Jerry how you can help.

By the way, now that I have to do the newsletter, I could use a little help, too! Let's get some more original input from the membership, so that our newsletter does more than reprint other peoples' articles. Write me a short note on how you have used that last program you received from our library, for example. We accept all input.

From the soapbox,  
Jim Green

## WELCOME NEW MEMBERS!

We welcome the newest members of our group, and we hope you enjoy us as much as we enjoy ourselves. (Egotistical?)

Sister Pat Taylor, Dubuque

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???????

ed note: To echo Jim's thoughts and thank him for all the help in the past!!  
We'll decide about the best deal latter!



For those looking for something more advanced in programming and TI use, the "SMART PROGRAMMER" would be a must addition to your library.

Following an article by Richard M. Mitchell to whet your appetite!!!

Highlight Those Inputs!

I find using XB's SIZE with ACCEPT to be quite useful, but there is no automatic graphic representation of the size of the input field and a user typically keys until the program honks at the end of a field. Input fields are often indistinguishable from the remainder of a screen, making entering data dull and sometimes frustrating. Extended BASIC allows some ways to spice up your program.

As background info, keep in mind that SIZE can be used not only to automatically limit the maximum size of a field, but also to prevent over-writing text to the right of a field.

An input (ACCEPT) field typically will be filled with blanks because a blank is recognized as a delimiter in XB (input is truncated to the last non-blank character). Obviously, to differentiate the blanks in the field area from the rest of the screen, we need non-blanks filling the remainder of the screen. This differs from what is typically referred to as inverse text, as our text remains normal, with the remainder of the screen inverted! The quickest method of inverting the screen characters is to "paint" the screen first, then paint in our prompts and input fields. In the example that follows, because of the character set limitations of the 9918A VDP in the 99/4A, our text for prompts will be colored the same as the color of our input fields, but that's still a vast improvement over not being able to visualize the field size at all!

So, here's the example, which runs in TI or MYARC XB:

```
100 CALL CHAR(143,RPT$( "F",16))
110 CALL COLOR(14,5,1)
120 CALL HCHAR(1,1,143,768)
130 DISPLAY AT(5,1)SIZE(18):"WHAT IS YOUR NAME?"
140 CALL HCHAR(5,22,32,8)
150 ACCEPT AT(5,20)SIZE(-8):NAME$
160 DISPLAY AT(23,5)SIZE(-20):"PRESS ANY KEY TO END"
170 CALL KEY(5,K,S):: IF S<1 THEN 170 ELSE CALL CLEAR
180 END
```

When you run the program, your screen will change to blue, but your text and input field will remain black on cyan, so that they're highlighted! Assembly programmers may want to replace the HCHAR's with equivalent A/L code to speed things up, especially for TI XB.

Wasn't that an easy route to a useful trick?

ed note: This is an excellent magazine with articles and programs for various languages and uses.

If you are interested in subscribing but don't have the address see one of the officers.



The following error code listings were printed in the February, 1986 issue of HOCUS, Newsletter of the Milwaukee Area 99/4 User Group of Wauwatosa, Wisconsin.

#### EXTENDED BASIC

18 Numeric Overflow  
14 Syntax Error  
16 Illegal after Sbrtn  
19 Name too long  
28 Unrecognized Char  
24 \$/! Mismatch  
28 Improperly used name  
36 Image error  
39 Memory Full  
40 Stack Overflow  
43 NEXT without FOR  
44 FOR-NEXT nesting  
47 Must be in Sbrtn  
48 Recursive Sbrtn CALL  
49 Missing SUBEND  
51 RETURN without GOSUB  
54 String Truncated  
56 Speech \$ too long  
57 Bad Subscript  
60 Line not found  
61 Bad Line #  
62 Line too long  
67 Can't Continue  
69 Command illegal in prgrm  
70 Only legal in prgrm  
74 Bad Argument  
78 No program present  
79 Bad value  
80 Nil  
81 Incorrect argument list  
82 Nil  
83 Input Error  
84 Data Error  
97 Protection Violation  
100 File Error  
101 I/O Error  
135 Sbrtn not found

#### DISK MANAGER ERROR CODES

#1: First # Second #  
1: OTHER Rec not found  
2: SEEK/STEP Cyclic Redundancy  
3: INPUT Lost Data  
4: PRINT Write protect  
5: NIL Write fault  
6: NIL No Disk Drive  
7: NIL Invalid input  
8: NIL  
9: Special Error Code for Comprehensive Test

#### I/O ERRORS

#1: FIRST # SECOND #  
0: OPEN Device not found  
1: CLOSE Write Protected  
2: INPUT Bad Open Attribute  
3: PRINT Invalid I/O Command  
4: RESTORE Out of Space  
5: OLD EOF  
6: SAVE Device Error  
7: DELETE File/Data Mismatch

#### TI BASIC ERROR CODES PERTAINING TO DISK SYSTEM

#1: FIRST # SECOND #  
0: OPEN Can't find specified Disk Drive  
1: CLOSE Disk or program is Write Protected  
2: INPUT Bad Open Attribute  
3: PRINT Illegal Operation  
4: RESTORE Disk full or too many files opened  
5: OLD Attempt to read past EOF  
6: SAVE Device Error  
7: DELETE File Error  
9: EOF

#### EDITOR/ASSEMBLER ERROR CODES

X.B. ERROR EQUATES  
ERRNO >0200 2 Numeric Overflow  
ERRSYN >0300 3 Syntax Error  
ERRIBS >0400 4 Ill. after Sbrtn  
ERRNQS >0500 5 Unmatched Quotes  
ERRNTL >0600 6 Name too long  
ERRSNM >0700 7 \$/! Mismatch  
ERRROE >0800 8 Option Base Error  
ERRMUJ >0900 9 Improperly used name  
ERRIM >0A00 10 Image Error  
ERRMEM >0B00 11 Memory Full  
ERRSO >0C00 12 Stack Overflow  
ERRNWF >0D00 13 NEXT without FOR  
ERRFNN >0E00 14 FOR-NEXT nesting  
ERRSNS >0F00 15 Must be in Sbrtn  
ERRRSC >1000 16 Recursive Sbrtn  
ERRMS >1100 17 Missing SUBEND  
ERRRWG >1200 18 RETURN without GOSUB  
ERRST >1300 19 String truncated  
ERRRBS >1400 20 Bad subscript  
ERRSSL >1500 21 Speech \$ too long  
ERRLNF >1600 22 Line not found  
ERRBLN >1700 23 Bad line number  
ERRRTL >1800 24 Line too long  
ERRCC >1900 25 Can't Continue  
ERRCIP >1A00 26 Illegal in program  
ERRLOP >1B00 27 Only legal in program  
ERRBA >1C00 28 Bad argument  
ERRNPP >1D00 29 No program present  
ERRBV >1E00 30 Bad value  
ERRIAL >1F00 31 Incorrect argument list  
ERRINP >2000 32 Input error  
ERRDAT >2100 33 Data error  
ERRFE >2200 34 File error  
ERRIO >2400 36 I/O error  
ERRSNF >2500 37 Subprogram not found  
ERRPV >2700 39 Protection violation  
ERRINJ >2800 40 Unrecognized character  
WRNO >2900 41 Numeric overflow  
WRNST >2A00 42 String truncated  
WRNPP >2B00 43 No program present  
WRNINP >2C00 44 Input error  
WRNIO >2D00 45 I/O error

#### LOADER ERROR CODES

0-7 Standard I/O  
8 Memory overflow  
9 Not used  
10 Illegal tag  
11 Checksum error  
12 Unresolved ref.

#### EXECUTION ERRORS

0-7 Standard I/O  
08 Memory Full  
09 Incorrect Statement  
0A Illegal Tag  
0B Checksum Error  
0C Dup. Definition  
0D Unresolved Ref.  
0E Incorrect Statement  
0F Program not found  
10 Incorrect Statement  
11 Bad Name  
12 Can't Continue  
13 Bad Value  
14 Number too big  
15 String-Number  
16 Bad Argument  
17 Bad Subscript  
18 Name Conflict  
19 Can't do that  
1A Bad Line Number  
1B FOR NEXT Error  
1C I/O Error  
1D File Error  
1E Input Error  
1F Data Error  
20 Line too long  
21 Memory Full  
22- Unknown Error Code

#### RS232c ERRORS

OPEN: 00 Device cannot be opened  
02 Software Switch Error  
06 Hardware Error  
INPUT: 24 Internal Data too large for buffer  
26 'CLEAR' pressed or Hardware Error  
PRINT: 36 'CLEAR' pressed or Hardware Error  
OLD: 50 Can't load from specified device  
52 Can't use software switch with 'OLD'  
54 Program too large to load  
56 'CLEAR' pressed or Hardware Error  
SAVE: 60 Can't save to specified device  
62 See 02, Can't use with SAVE  
66 'CLEAR' pressed or Hardware Error  
MISC: 43,73,93,93, Executing Illegal Command

#### TI WRITER ERROR CODES

0 - Indicates Disk Controller not on;  
OR: Diskette not Initialized  
6 - No Disk in Drive; OR: Is upside down;  
OR: Drive is not turned on  
7 - No Disk in Drive  
00 - Illegal use of LoadF, PrintF; OR:  
Error in using those commands  
02 - No file in Diskette with Filename used  
04 - Disk is full  
06 - PrintF Command in progress was  
interrupted; OR: Disk Door was opened  
while Red Light was on.  
07 - Invalid Filename (I.E. Name too long  
or using invalid characters)  
15 - Invalid Disk Drive Number, or Device



NEXT MEETING

MARCH 13

7:00 PM --- JA BUILDING

NEW PROGRAM REVIEW - ETC.

JOIN THE FUN!!!!!!

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