CEDAR VALLEY 99'ER USER GROUP
NEWSLETTER

MAR.
1987

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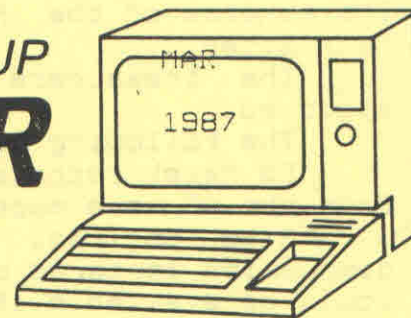
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++++NEWSLETTER TOPICS++++

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 comming year. The floor was opened for further nominations or volunteers. None were forthcomming. The election followed.

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

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PRESIDENT---------------JERRY CANADY
VICE PRESIDENT----------BRUCE WINTER
SECRETARY---------------BILL PAETH
TREASURER---------------JIM HARRINGTON
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Jim Green volunteered to take over as newsletter editor. Still needed are people for the following committee positions.

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PROGRAM-----------------
PUBLICITY---------------
EDUCATION---------------
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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   Vice-President - Bruce Winter
    Secretary - Bill Paeth   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
    ??????
    ??????

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 programing 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 ther 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 invering 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 ther'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
10 Numeric Overflow
14 Syntax Error
16 Illegal after Sbrtn
19 Name too long
20 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
109 File Error
130 I/O Error
135 Sbrtn not found

DISK MANAGER ERROR CODES
#:	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
#:	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
#:	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 Sbprgm
ERRNQS	>0500	5	Unmatched Quotes
ERRNTL	>0600	6	Name too long
ERRSNM	>0700	7	$/# Mismatch
ERROBE	>0800	8	Option Base Error
ERRMUV	>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 Sbprgm
ERRRSC	>1000	16	Recursive Sbprgm
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
ERRLTL	>1800	24	Line too long
ERRCC	>1900	25	Can't Continue
ERRCIP	>1A00	26	Illegal in program
ERROLP	>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
ERRINV	>2800	40	Unrecognized character
WRNNO	>2900	41	Numeric overflow
WRNST	>2A00	42	String truncated
WRNNPP	>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:	80	Device cannot be opened
	82	Software Switch Error
	86	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 82. Can't use with SAVE
	66	'CLEAR' pressed or Hardware Error
MISC:	43,73,83,93, 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 REVEIW - ETC.

JOIN THE FUN!!!!!!!

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