EDMONTON p 99'er El COMPUTER C USERS' SOCIETY

The Edmonton 99'er Computer Users' Society p.o. box 11983 Edmonton, Alberta CANADA T5J 3L1 **99'er ON LINE**... is the news 1

**99'er ON LINE...** is the news letter of the Edmonton 99'er Computer ser's Society published ten times a year. Unless otherwise stated, all articles may be republished in other news letters provided that source and author are identified. We will credit authors quoted in 99'er ON LINE.

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DISCLAIMER: Information contained in this newsletter is written by and for amateurs: Therefore we cannot make any guarantee of the accuracy of any information contained herein. Use at your own risk.

**REGULAR MEETINGS... are** held on the second Tuesday of each month (except July and August) in room If of the Federal Services Building, on the University of Alberta campus from 7:00 till 10:00 PM and are open to all members in good standing. Non-members may attend their first meeting free of charge.

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**MEMBERSHIP FEES:** Family; year = \$20.00, 6 months = \$15.00. Students; year = \$15.00, 6 months = \$10.00. New member initiation (waived for members who cannot attend meetings due to distance from Edmonton) \$20.00.

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## JUNE MEETING

The June meeting was well attended by over 30 members. This meeting was supposed to have been a general business meeting including an election of officers. However, there were an insufficient number of nominees to each of the executive positions. Considering that most of the current executive have held various offices for some time and are no longer willing to continue in an executive capacity, to have held an election under those circumstances would have been a farce! Consequently, the executive decided to postpone elections to the October meeting.

Reguarding this poor showing of members willing to give a little of their time to the administration of this users' group. Tom Hall spoke at length to the members stating that it was high time that new people become involved to a greater degree. He reminded us that the current executive had been running the group for up to four years and that they were starting to run out of ideas and the creative energy required to keep the group in a healthy, dynamic state. Most of them were unwilling to stand for being acclaimed to their positions for another year once again. He made it quite clear that if a proper slate of candidates cannot be fielded for an executive election by the October meeting, then this group is effectively dead and dissolution will commence.

On a pleasenter note, Judy from NOVA brought along the new GENEVE computer for a demo run. Yes, it does exist! Yes, it does work! NOVA has it in stock and can demo it for you if you missed the meeting.

John Harbour prepared a questionaire to help the group arrange a 1987/88 schedule. It was circulated during the meeting and most members completed the form and handed it back. If you have not yet done so, please fill out the one included with this issue and return it to us. Your input is required.

NEXT MEETING

The next meeting will be Tuesday, September 8'th at 7:15 PM. Same place as usual; General Services Building, U of A

campus in room 849.

A reminder to all that your attendance at this meeting is vital considering that much has to be done to assure a good slate of candidates are prepared to stand for election in October. If you plan to be a camdidate, here is your chance to do some campaigning. Participate - get out to a meeting. YOU MAY NOT HAVE TOO MANY MGRE CHANCES!!!!

# A PARTING WORD

This issue of 99'er ONLINE covers the period of June-July-August, 1987 and represents my final issue as I am turning over production of this newsletter to John Harbour. Like our current executive, I too am suffering from burn-out; the last several issues of this newsletter have not been up to standard and I appologize to each and every one of you if you have found this publication somewhat lacking lately.

Working on this newsletter has been a very rewarding experience. Through it, I have come to know most of the members of this user group and I have also "met" several fellow TI'ers in other cities in Canada and the U.S. It also forced me to really explore TI-Writer to a depth I would have never attained had I not sat down with it month after month. Being the editor, I was asked to sit in on executive meetings so that I could report their decisions to you in a timely fashion. This provided me with an oportunity to participate (in a small way) in our user group's decision making process as I have never been too shy about offering my advice or opinion.

Having been intimately involved in this group for some time. I have been becomming aware that this group is rather unique. Our members come from many differing backgrounds both educationally and culturally. Our age group stretches from early teens to those who can no longer recall their teens. Some of us make our livings working with computers while others can barely get past turning them on. Yet you all have special talents and interests that continue to amaze me. The pooled experience amoungst our members is phenomenal! And yet most of you prefer to sit on your duffs and be spoon fed month after month by an executive that has reached the end of it's creative rope. You think this machine is dead? Keep sleeping and it will be. In Edmonton at least. I know this group has the talent, the resources to really do things and make our meetings exciting. But it takes effort and a willingness to become involved.

One way to get involved is to volunteer your known talents like John Harbour and Yves Chevalier have just recently. Another way is to volunteer for something for which you have no known talent but which interests you. Who says you have to perfect? (Just check out my spelling and grammer in this newsletter and you'll see what I mean!) This way, you will not only develop yourself, but you will also move this group into newer and likely better areas. Another way is to not say "No" when someone nominates you for an executive position. After all, being an exec on a computer user group is not quite the same as being Prime Minister but it is a start. And like I said before, you don't have to perfect. Lord knows our Prime Minister isn't.

As a group, we have lost sight of those amoungst us who "barely know how to turn on" their computers. I am sure that the "experts" (quotation marks intended) intimidate these members with our talk of bytes, compiling, assembling, ram disks, etc. If our group survives past the October ultimatum, then the needs of these novices must be addressed. That means that our "experts" must start speaking English, display more patience and above all remember what it was like for them just a few years ago. This doesn't let the novices off the hook either! You can't expect help if you don't ask after all. And you have got to be willing to invest some time trying things for your self; you just might discover something the "experts" didn't know. And invest some time in group activities - it's only human nature to take an interest in someone who is obviously interested in the welfare of the group.

To close, I want to thank John for taking over responsibility of this newsletter. I know that all of you will support John as you have me and I hope that many more of you will begin writing for him. And I want to especially thank all of you who have supported me not only with your articles for the newsletter but also those who simply passed along their encouragements and who expressed their appreciation for my efforts. Believe me, it kept me going' Please consider what I have said above. If things don't turn around very quickly, John will be writing an eulogy.

## MULTIPLAN AS A DATABASE

If you have noticed, the questionaire prepared by John Harbour in this issue was done on MULTIPLAN instead of TI-WRITER. Why? Well, one reason is that all those columns can be easilly set up with MULTIPLAN but can be a very real horror with TI-WRITER! This neat package has some other uses too. For instance, a database manager. The following was written by Gabriel Laszlo and appeared in the September '86 issue of the Ottawa U.G.'s newsletter.

Many TI owners look at the "integrated" software available for comercial computers found in offices, and wonder wether anything similar will ever be developed for their 99/4A.

One of the more popular products is LOTUS 1-2-3, which offers a spread sheet, a database and a graphing package all in one program. There is, unfortunately, nothing in the TI repertoir to equal this program but there is one which comes surprisingly close: MULTIPLAN.

In fact, MULTIPLAN scores 2 out of 3, which is not bad. No one can claim that MULTIPLAN has any graphing capability. However, MP is an excellent spreadsheet - some say the best. But MP has another strength which makes it an effective database manager quite similar to LOTUS 1-2-3.

The feature which makes a program into a database is the sorting function, and MP has got it. The program can sort numerically, alphabetically, in ascending order or the other way around. This gives MP a 1-2 punch that comes pretty close to 1-2-3's!

The following example may serve as an illustration:

MP can be set up to catalog a VCR tape library. Each tape is described on one row of the spread sheet using column headings such as TAPE NAME, PROGRAM TITLE, COUNTER START, COUNTER STOP, ELAPSED TIME, etc. Other columns could be added as MP can handle up to 32 columns of 32 characters each!

Once the entries are made, the catalog can be whipped into shape using the sort function. Here, care must be taken not to sort the column headers into the data. (So the wise person would carefully save his database at this point on to a separate disk. -ED) First, all rows are sorted by the counter start column in ascending order. Second, all rows are sorted by the tape name column, also in ascending order. Noiw we have all the tapes listed in order with the programs on them according to their place on the tape. This format can now be printed to provide an inventory of programs and recording times still available on each tape, if blank spaces were noted (or even better, calculated!) in the data.

Next, an alphabetic listing of programs can be obtained by sorting again on the program title column. To make the printout more readable, use the move function to reposition the sorted column into column one. Together, the sort and move functions can be used to provide a wide variety of reports from a single database model. A helpful hint here; the print range should be checked and adjusted after each sort and move operation to assure your printout contains just the information you need.

The possibilities, of course, are endless. The spreadsheet functions can be combined with data handling to provide powerful applications. Added to this is MP's ability to use supporting sheets and the capability to create a file that can be further massaged by TI-WRITER. Also, if your report is more than 80 columns wide, you can print it out sideways using the MP-PRINT utility (see our librarian).

The conclusion is obvious: the 99/4A has some very usful and up to date software which is only limited to a large extent by your imagination.

DISK AWARD

Where would we be without Jin Beck? Without his regular and original contributions, this newsletter would be a great deal thinner and there would be very little to interest many of our readers. The basic programs you see in this issue are due to Jim's talent of being able to punch them out like he was using a cookie cutter! Once again my thanks Jim. Remember to claim your disk at the next meeting.



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CRASH-EM by Jim Beck	1 370 C\$(2)=*0000347555753400*	690 CALL HCHAR(D,6,32,9)	1050 CALL SOUND /-10 330 91
Program is in consol basic Requires Joystick #1. A variation of original TI module game CAR WARS.		700 CALL HCHAR(D,18,32,9)	1 10/0 LF DOT-100 TUEN 1070
	580 L\$(3)="00/L/L38/L/L3810"	710 NEXT D	1 1080 IF DUI-180 IAEN 1830
	; 390 C\$(4)="0000D8FCFEFED800"	720 CALL HCHAR(13,16,32)	1070 LALL HLHAR(RP, LP, 52)
	400 FOR D=1 TO 9	730 CALL COLOR(12,8,2)	1080 RP=RP+RM
*****	410 FOR DE=1 TO 4	740 CALL COLOR(13, 16, 2)	1090 CP=CP+CM
100 DIN C\$(4)	420 READ BC(D, DE)	750 CALL COLOR(14.10.2)	<pre>1100 CALL HCHAR(RP,CP,DIR+1 7)</pre>
110 DIM BC(9,4)	430 NEXT DE	740 CALL COLOR(3,16,2)	1110 CALL SCHAR(RPC+RMC.CPC
120 CALL CLEAR	440 NEXT D	770 CALL COLOR(4, 14, 2)	CNC, FR)
130 CALL SCREEN(2)	450 RESTORE		1120 ND=32
140 PRINT * CRASH '	460 FOR D=1 TO 4	; /80 DIR=5	1130 IF FR=127+DIR THEN 233
EM": : : : :	470 CALL CHAR(127+D,C\$(D))	: /90 UUI=U	1140 IF-FR=32 THEN 1170
150 PRINT "BY JIM B ECK"	480 CALL CHAR(135+D,C\$(D))	800 LI=LI+1	1150 IF FR(>126 THEN 1250
160 PRINT : : : : : : : :	490 NEXT D	810 IF LT(10 THEN 830	1160 ND=126
170 PRINT "PRESS ANY KEY TO	500 FOR D=2 TO 12 STEP 2	820 LT=1	1170 CALL HCHAR(RPC,CPC.OD)
START GAME.	510 CALL HCHAR(D.D+3.124)	830 DC=BC(LT,3)	1180 OD=ND
180 FOR D=1 TO 14	570 CALL HEHARID D+4 121 25-	840 LC=BC(LT,4)	1190 RPC=RPC+RMC
190 CALL COLOR(D, 16, 2)	(D12))	850 CALL HCHAR(13,16,LT+48)	1200 CPC=CPC+CMC
200 NEXT D	530 CALL HCHAR(26-D,D+3,125)	860 RPC=BC(LT,1)	
210 CALL KEY(0,K,S)	540 CALL HCHAR (26-D, D+4, 121,	870 CPC=BC(LT,2)	1 1210 CHEL HUNHR(RFC, CFC, 155
220 IF S=0 THEN 210	20-(U42))	880 ON DC GOSUB 1390,1420,14	1220 IF RPC=13 THEN 2030
230 CALL CLEAR	: 550 CALL VCHAR(D+1,D+3,120,2 ; 5-(D12))	50,1480	1230 IF CPC=16 THEN 2180
240 FOR D=1 TO 14	560 CALL HCHAR(D, 29-D, 122)	890 RMC=X1	1240 60TO 1320
250 CALL COLOR(D,2,2)	570 CALL VCHAR(D+1,29-D,120,	900 CMC=X2	1250 DC=DC-1
260 NEXT D	25-(D\$2))	910 RP=23	1260 IF DC>0 THEN 1280
270 SCB=0	580 CALL VCHAR(26-D, 29-D, 123	920 LEV=5	1270 DC=4
270 JCK-0	500 CALL UCUAD (D11 D14 174 7	930 DD=32	1280 ON DC 605//8 1390.1420.
	5-(D <b>1</b> 2))	940 CP=17	450,1480
)101010")	600 CALL VCHAR (D+1, D+4, 126, 2	950 DIR=DIR+1	1290 RMC=X1
300 CALL CHAR(121, "00000000F F000000")	: 5-(D#2)) 	960 DN DIR 60SUB 1390,1420,1 450,1480,1510	1300 CMC=X2
			1310 GOTO 1110
310 CALL CHAR(122,*00000000F ) )101010*)	620 CALL VCHAR(D+1,28-D,126,	9/0 KM=X1	1320 IF CH<>0 THEN 1360
320 CALL CHAR(123, *10101010F 0000000*)	25-(D#2)) 630 NEXT D	980 CM=X2	1330 IF RP=13 THEN 1530
		R) CALL GCHAR(RP+RN,CP+CN,F	1340 IF RP=13-RM THEN 1530
330 CALL CHAR(124, "000000001	640 FOR D=15 TO 17	1000 1F FR=32 THEN 1070	
340 FALL CHAR(125 101010101	650 CALL VCHAR(3,0,32,9)	1010 1F FR=135+DC THEN 2330	1360 IE CP=16 THEN 1680
540 LALE CHAR(125, 101010101) F000000")	660 CALL VCHAR(15, D, 32, 9)	1020 17 FR-100-00 THEN 2000	1370 TE CP=14-CN THEN 1480
		- IVIV IF FASTIZA (AFA) 7.10	
350 CALL CHAR(126, "000000001	670 NEXT D		

1390 X1=-1	1720 IF RP=25 THEN 1810	2030 IF LEV=LC THEN 1320	2350 FALL HEHAD (BOF+DMF FOF+
1400 X2=0	1730 CALL HCHAR (RP+(Y/2), CP,	2040 IF CPC>16 THEN 2070	CNC, 32)
1410 RETURN	1 JZ)	2050 CTR=-2	2360 CALL HCHAR(RPC,CPC,32)
1420 X1=0	1/40 IF Y=0 IHEN 1/00	2060 GOTO 2080	2370 CALL SOUND(-1000,-7,0)
1430 X2=-1	2,3)	2070 CTR=2	2380 FOR D=1 TO 6
1440 RETURN	1760 IF RP>13 THEN 1790	2080 CALL SOUND (-40,770,4)	2390 FOR DE=1 TO 4
1450 X1=1	1770 LEV=LEV+Y/4	2090 IF LC <lev 2140<="" td="" then=""><td>2400 CALL HCHAR(RP,CP,127+DE</td></lev>	2400 CALL HCHAR(RP,CP,127+DE
1460 X2=0	1780 GOTO 1800	2100 LC=LC-1	1 /
1470 RETURN	1790 LEV=LEV-Y/4	2110 CPC=CPC-CTR	2410 NEXT DE
1480 X1=0	1800 GOTO 1080	2120 CALL HCHAR (RPC, CPC+CTR,	1 2420 NEXI U
1490 X2=1	1810 RP=RP+Y/2	; 52) ;	2450 LALL HUHAR (RP, LP, 52)
1500 RETURN	1820 GOTO 990		2440 LALL LLEAN
1510 DIR=1	1830 CALL CLEAR	2140 CPC=CPC+CTR	2450 PRINI " CRASH
1520 GOTO 1390	1840 CALL SOUND (1000, 262, 0, 3	2150 LC=LC+1	2460 PRINT : : : : : : : :
1530 CALL JOYST(1, X, Y)	30,0,392,0)	2160 CALL HCHAR(RPC,CPC-CTR, 32)	2470 PRINT * YOUR SCORE I
1540 CP=CP+X/2	1850 CALL COLDR(3,2,2)	2170 GOTO 1320	S ; SCR
1550 IF CP=16 THEN 1660	1860 CALL COLOR(4,2,2)	2180 IF LEV=LC THEN 1320	2480 PRINT : : : : : : : : :
1560 IF CP=4 THEN 1660	1870 PRINT YOU DID   IT!!	2190 IF RPC>13 THEN 2220	¦ 2490 PRINT "PRESS ANY KEY TO ¦ Play Again."
1570 IF CP=28 THEN 1660	1880 PRINT : : : : : : L	2200 CTR=-2	2500 FOR D=1 TO 14
1580 CALL HCHAR(RP,CP-(X/2),	EVEL ;LT; CLEARED.	2210 GOTO 2230	2510 CALL COLOR(0,16,2)
32)	1890 PRINT : : : : : : :	2220 CTR=2	2520 NEXT D
1590 IF X=0 THEN 1610	I 1900 PRINT " PRESS ANY KEY T O CONTINUE."	2230 CALL SOUND(-40,770,4)	2530 CALL KEY(0,K,S)
1600 CALL SOUND(-40,220,3,22 ) 2,3)	1910 DOT=0	2240 IF LC(LEV THEN 2290	2540 IF S=0 THEN 2530
1610 IF CP>16 THEN 1640	1920 FOR D=1 TO 14	2250 LC=LC-1	2550 CALL CLEAR
1620 LEV=LEV-X/4	1930 CALL CDLOR(D, 16, 2)	2260 RPC=RPC-CTR	2560 FOR D=1 TO 14
1630 GOTO 1650	1940 NEXT D	2270 CALL HCHAR(RPC+CTR,CPC,	2570 CALL COLOR(0,2,2)
1640 LEV=LEV+X/4	1950 CALL KEY(0,K,S)	32)	2580 NEXT D
1650 GDTO 1080	1960 IF S=0 THEN 1950	2280 6010 1320	2590 GOTO 120
1660 CP=CP-X/2	1970 CALL CLEAR	2290 RPC=RPC+CTR	2600 DATA 23,16,2,5,13,6,1,5
1670 GOTO 990	1980 FOR D=1 TO 14	2300 LC=LC+1	,12,8,1,4,12,10,1,3
1680 CALL JOYST(1, X, Y)	1990 CALL COLOR(D,2,2)	2310 CALL HCHAR(RPC-CTR,CPC,     32)	: 2610 DATA 21,15,2,4,15,15,2, : 1,17,15,2,2
1690 RP=RP-Y/2	2000 NEXT D	2320 GOTO 1320	2620 DATA 9,17,4,2,14,22,3,3
1700 IF RP=13 THEN 1810	2010 SCR=SCR+(100#LT)	2330 CALL HCHAR(RP,CP,32)	
1710 IF RP=1 THEN 1810	2020 GOTO 500		

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COAD CANON	0 DDINT	22 READ A(D,1)	1 75 NATA 123 123 123 123 1500
		23 A(145-D,2)=A(D,1)	0, 15000, 196, 196, 196, 196, 185,
by: J.S.Bach	10 PRINT TAB(5);"Program by Jim Beck"	24 NEXT D	i 183,183,183,173,173 
Programmed by: Jim Beck	11 PRINT ::::::::	25 FOR DE=1 TO 2	165,156,156,156,156,156,147,147, 139,139,131,131
	12 FOR D=1 TO 13	26 FOR D=1 TO 144	
	13 CALL COLOR(D,2,16)	27 X=(D/10)+1	; 37 DATA 123,123,98,98,131,13 ; 1,175,175,156,156,156,156,156,14
	14 NEXT D	28 CALL COLOR(14, X, X)	7,147,147,147 38 DATA 131,131,131,131,131,156, 156,156,156,196,175,196,262, 196,156,147,156,175,196,220, 247,262,156,175,196
1 CALL CLEAR	15 CALL COLOR(14,5,5)	29 CALL SDUND(-200, A(D, 1) #2,	
2 CALL SCREEN(16)	16 CALL HCHAR(1.1.136.32)	0,A(D,2)\$2,0)	
3 FOR D=1 TO 14	1 17 CALL UPUAD (74 1 134 73)	30 NEXT D	39 DATA 208,147,156,175,196, 175,156,147,156,175,196,208,
4 CALL COLOR (D, 16, 16)	17 CHEL HEHR(24,1,130,327	31 NEXT DE	
5 NEXT D	18 CALL VCHAR(2,1,136,22)	32 CALL CLEAR	; 233,208,196,175,196 
L ODINT TAD (9) . "Crah Canon"	19 CALL VCHAR(2, 32, 136, 22)		40 DATA 208,233,262,277,233, 208 196 220 247 262,294,311,
	20 DIM A(144,2)		262,247,220,247,262,294,311,
7 PRINT :::	21 FOR D=1 TO 144	: 34 DATA 131,131,131,131,131,136, : 156,156,156,196,196,196,196,196, : 208, 208, 208, 208, 208, 208, 208, 208,	549,294,196,294,262,294

NOTES TO CRAB CANON

by: Jim Beck

An interesting feature of Bach's Crab Canon is that the harmony is exactly the same as the melody. But, it is played backwards! Listen to the background notes to here it. Saved a lot of programming; only half as many statements required! See if you can do as well as Bach.



YOU ARE REQUESTED TO FILL IN THIS QUESTIONAIRE IN ORDER FOR US TO ARRANGE OUR 1988 SCHEDULE. WHICH SYSTEM DO YOU USE: (please circle or check each item). 99/4 99/4A CC-40 WHICH FERIPHERALS DO YOU OWN: Cassette recorder(s).1/2 Y/N. Disk controller & Drives.1/2/3 or none. Y/N. Double/Single or Combination. YZN. Peripheral Expansion Box. RS232 Interface. Y/N. 32k/128k/512.Memory card. Y/N. Ram Disk card./Horizon/myark/other. Y/N. Double/Single. Y/N. MONITOR: Television. Y/N. Colour. YZN. Black/White. YZN. Monochrome. YZN. Speech synthesizer. YZN. Joysticks. Y/N. Printer.(Specify make) YZN. Modem.(300/1200 Baud). YZN. Mini-Memory. YZN. Gramkracker/Karte. YZN. Clock card and Spooler. Y/N. It would also be an advantage for your Executive to know how you assess yourself.(A) Experienced.(B) Good. or (C) Interested. in the following: Own and Own and use. don't use. Extended-Basic. A/B/C. Y/N. Microsoft Multiplan. Y/N. A/B/C. A/B/C. Y/N. TI-Writer. A/B/C. Y/N. Logo. YZN. E/A/Mini-memory. A/B/C. Forth. A/B/C. YZN. ίC΄. YZN. A/B/C. Ferhaps you would like to add any constructive comments: . This has been written using Microsoft Multiplan. Frinted through TI-Writer. THANKYOU. JOHN. Please print your name here: ......

