



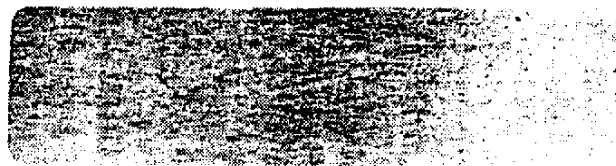
99'er Online

DECEMBER 1985

p.o. box 11983
Edmonton, Alberta
Canada T5J 3L1



to:



99'er ON LINE is the news letter of the Edmonton 99'er Computer User's Society published ten times a year. Unless otherwise stated, all material contained in this news letter may be published in other news letters provided that source and author are identified. We welcome correspondence from all TI User Groups and we will credit authors quoted in 99'er ON LINE.

CORRESPONDENCE: News letter editor: BOB PASS, 59 LABELLE CR, ST. ALBERT, ALBERTA, CANADA T8N-266. (403)458-7458 All other correspondence: EDMONTON 99'er COMPUTER USER'S SOCIETY, P/O BOX 11983, EDMONTON, ALBERTA, CANADA T5J-3L1

OFFICERS:
VICE PRES--TOM HALL,
SECRETARY--ROGER LOTEN
PRESIDENT--PAUL HELWIG,
TREASURER--SUSAN LIVINGSTON,

DISCLAIMER: All information published in this news letter is, for the most part, the fruits of the labors of amateurs; therefore, we cannot guarantee that the information presented is always correct.

REGULAR MEETINGS: Regular meetings of the Edmonton User's Group are held on the second Tuesday of each month on the 8th floor of the General Services building of the University of Alberta 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. The Executive Committee meets monthly. Members may attend these meetings as observers or to address a particular issue. Arrange with one of the officers listed above if you wish to attend.

ADVERTISING: Commercial advertising space is available in this news letter at the following rates: FULL PAGE--\$20.00, HALF PAGE--\$15.00, 1/4 PAGE--\$10.00. Discuss your commercial needs with JIM MULLIGAN at 467-6021, at the next meeting or write to the P/O Box above. Members may advertise their personal computer related ideas for free but are asked to limit their ads to about 50 words. Mail your ads to the EDITOR'S ADDRESS or hand it to him at the general meeting; newsletter deadline 15th of the month.

MEMBERSHIP FEES: FAMILY---12 MONTHS, \$20.00, 6 MONTHS, \$15.00. STUDENTS---12MONTHS,\$15.00, 6 MONTHS, \$10.00.

NOVEMBER MEETING

by: Bob Pass

There was a good turn out at the last meeting. It was good to see some of you who haven't been in since last June.

After the usual minute reading, etc, the treasurer's report was read. This report (\$250 on hand) is indicating that a bad trend is developing; namely cash flowing out is exceeding cash flowing in. Therefore a few economy measures were discussed: the newsletter will be reduced to six pages, newsletter copies will be reduced, and we will probably have to discontinue trading newsletters with up to half of our corresponding users groups. These measures will reduce the cash out flow. Alternatives are to increase the membership, increase dues, or sell more advertising. The latter is not too hopeful as there are very few advertising sources available. Raising dues, although ours are reasonable compared to some other user groups, is not likely to make many of you overjoyed. But we could increase membership quite easily by just getting some of you renew expired membership by paying your past dues. Also, we are sure that each of you know someone who owns a TI and isn't a member so do a small sales job on them and get them to come along to the next meeting. Unless we can stop this trend, this group may become another victim of our economic times.

Earl Tonen RS232 switches for sale at \$5.00 each. These handy things transfer your RS232 cable from one device to another at the flick of a switch.

After a break for coffee, Earl continued the Editor Assembler lecture series started by Michal Jaegermann at the October meeting. Earl is an experienced NAIT computer instructor who is teaching himself TI assembly language and is passing along to us the things he has discovered. His experience with other machines allows him to explain some of the more complexing things about E/A in general terms.

Earl reviewed the binary numbering system and how to convert to/from decimal, two's complementing and why we need it, and defined bytes and words. Then Earl moved on to discuss in general terms the basic system operation of 1, 2, and 3 address computers and a typical microprocessor CPU. Next he covered the three internal registers in the TMS 9900 chip and explained the concept of "work spaces" used in the TI. The next item covered was an explanation of the five options on the E/A title screen. Finally, the structure of assembly language was introduced and Earl handed out some pages of examples including a simple program for the beginners among us to cut their teeth on.

Michal and Earl are planning more tutorials for future meetings. Thanks Earl for an interesting evening.

NEXT MEETING

The next meeting will feature another tutorial. This time it will be on TI-WRITER and the lecturer will be yours truly, Bob Pass. I will spend about 45 minutes to cover the basics and a few of the more in depth features. Please feel free to ask questions; "the only stupid question is the one that is never asked". Hopefully I will not tie up our system too long so some of you can get a chance to do some copying from the library.

USER GROUP NEWS

THIS NEWS LETTER... reminds you that our fourth regular meeting will be the second Tuesday of December (the 10'th) at 7:30 PM in room 849 of the U of A's General Services building on 116 St north of the Jubilee auditorium. Doors open at 7:00

EXECUTIVE ASSISTANTS... helping to keep the group running are non-elected volunteers who are in many ways the soul of this User's Group:

Newsletter Editor - Bob Pass
 Advertizing & Editor's Assistant - Jim Mulligan
 Newsletter Library - Ron Hohmann
 Disk Library - Ken Godbeer
 Book Library - Gord Bradlee
 Bulletin Board Sysop - Tom Hall

If you see a job that needs doing that is not covered by the above departments, how about volunteering your services at the next meeting; you will find that it is worth the effort.

BULLETIN BOARD... a BBS service is operated Tom Hall. To get on line, dial (403) 424-3258. In addition to news and the usual BBS offerings, there are programs available for downloading to your TI machine.

WANTED... any clippings from newspapers, magazines, or comic strips that you think may be of interest to other members of this User Group. Please forward to the editor, Bob Pass, or to Jim Mulligan.

ALSO WANTED... your advertising. Don't forget that members can advertize their computer related merchandise or requests in this news letter for free! Give your ad to Bob Pass or Jim Mulligan by phone, mail, or at the next meeting. See the fine print on the newsletter cover sheet for further info.

TIME LINE... the super BBS reported to you earlier this year. Tom Hall has joined and he says that he is quite happy with the service. Tom feels that it is excellent value for the money.

SOFTWARE LIBRARY... it is beginning to grow quite nicely now with some recent additions from our members and freeware from other UG's. We are setting up a procedure to make this software available to you. Trying to make copies during meetings is not practical because of limited time and demand.

PEEKING ABOUT

by: Greg Healy

Greg passed these addresses along to me to be shared with the rest of you. What is interesting is that Greg PEEKS values in ROM and then loads those values into RAM addresses. Here is what he has discovered so far:

CALL PEEK(11,A,B)
 CALL LOAD(-31932,A,B)

CALL PEEK(4,A,B,)
 CALL LOAD(-31932,A,B)

CALL PEEK(10,A,B)
 CALL LOAD(-31932,A,B)

Greg promised to pass along any more that he discovers. Happy PEEKing Greg!

How to Save Typing

Send us your disk in a self-addressed mailer (with proper postage included). If not in CANADA you may buy at your post office the proper amount of things called "Coupon Reponse International". You will get back a modified TI-Forth system disk with this editor and many other handy utilities included. It is really worth it. Our address is:

EDMONTON 99'er COMPUTER USER'S SOCIETY
P.O. BOX 11983, EDMONTON, ALBERTA
CANADA T5J-3L1

To make life easier - here is:

A Short Reference Guide

fnc1-1 delete character
fnc1-2 toggle overtype/insert modes
fnc1-3 delete line
fnc1-5 swap windows in text mode / home in bit-map mode
fnc1-6 move right
fnc1-7 delete between marks (one or both may be defaults)

fnc1-8 insert text from PAD
in overtype mode inserts a new line moving other text down
in insert mode insert contents of PAD on the cursor position shifting text on the line to the right
fnc1-9 leave editor
fnc1-(S,X,E,D) move cursor to the (left, down, up, right)
ctrl-@ open blank line
ctrl-(E,X) get the (previous, next) screen
ctrl-W execute one word pointed by cursor - display stack
ctrl-Q execute two words pointed by cursor - display stack
ctrl-R move Right one word
ctrl-Y Yank - store text between marks (64 max) in edit buffer
ctrl-(H,J,K,L) move (left, down, up, right) - terminal style
ctrl-Z mark cursor position
ctrl-U Unmark - replace marks by defaults (cursor, end-of-line)
ctrl-. escape from editor to execute Forth. All Forth available. After <enter> or 80 characters typed returns automatically to the editor with a display of the stack. If you get an ERROR type ER to return back to the editor. Otherwise an edit screen will be frozen.

Source Screens

Referenced screen numbers are as on my disk. Remember to change them in LOAD statements if you put them in some other location.

```
SCR# 20
( SCREEN EDITOR - 40 column display 20SEP85*Michal Jaegermann )
( 0 CLOAD EDIT ) BASE @ HEX 21 CLOAD RANDOMIZE
VOCABULARY EDITOR IMMEDIATE EDITOR DEFINITIONS 3 WIDTH !
0 VARIABLE S_H 0 VARIABLE CLE 0 VARIABLE INS
: BLINK CURPOS @ DUP VSBR SWAP 1E OVER VSBR C0 0 DO _OOP VSBR ;
18 LOAD \ load cursor positions and auto-repeating key
: HLIST 0 0 AT SCR @ ." SCR # " . CR CR CR
L/SCR 0 DO I 3.R CR LOOP ;
: LINE. DUP SCR @ (LINE) DROP S_H @ 1D * +
SWAP 28 * 7C + 23 VNBW ;
: UP# DUP 3 + SWAP DO I 3A .R LOOP ." " 4 2 AT ;
: +.0 3 0 DO ." +....0...." LOOP ;
: CLIST L/SCR 0 DO I LINE. LOOP ;
: LLIST 4 1 AT 1 UP# ." ...." +.0 ." +" CLIST ;
: RLIST 4 1 AT ." 3" 4 UP# ." 0...." +.0 CLIST ;
-->
```

```
SCR# 21
( SCREEN EDITOR - 40 column display 20SEP85*Michal Jaegermann )
: ELIST 0 SCR_N_START ! BASE->R DECIMAL HLIST S_H @
IF RLIST ELSE LLIST ENDIF R->BASE ;
: .CUR COL S_H @ 2DUP 6 * 22 - MINUS >
IF 0= 19 ELSE -4 ENDIF SWAP
IF 1 S_H @ - S_H ! ELIST ENDIF - CUR C/L / 3 + AT ;
: ED> 2F8 SCR_N_START ! PAGE 0 IN ! ;
: >ED 0 SCR_N_START ! ELIST .CUR ;
: /INS/ 8F1 6 INS @ 1 OVER - INS ! 9C * 30 + VFILL ;
: FLIP S_H @ -3A * 1D + +CUR .CUR ;
: BCK NOP 2F8 DUP CURPOS ! CB 20 VFILL 8F1 6 84 VFILL
R> DROP R> DROP ; \ NOP is forward reference holder
19 LOAD \ load a generic (TI-Forth) editor
BASE ! ;S
```

broadmoor stationers

LET OUR FRIENDLY STAFF HANDLE ALL YOUR COPY NEEDS

- Office Supplies
- Office Furniture
- Typewriter Rentals
- Typewriter Repairs
- Business Machines
 - Typewriters
 - Calculators
 - Cash Registers
- Photo Copy Service
- Rubber Stamps

broadmoor stationers

165 Athabasca Avenue Sherwood Park

Mon. - Fri. 9:00 - 5:30 pm Sat. 10:00 - 4 p.m.

SHARP

464-4343

SCM SMITH-CORONA

First Line Auto Body LTD.

5% DISCOUNT

for Society Members



RON HOHMANN

JEFF HAMPSHIRE

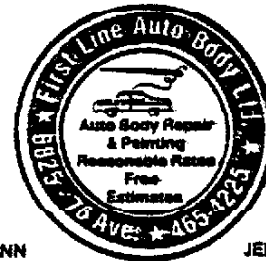
6825 - 76 Avenue

465-4225

First Line Auto Body LTD.

5% DISCOUNT

for Society Members



RON HOHMANN

JEFF HAMPSHIRE

6825 - 76 Avenue

465-4225

**EDISON-BELL
COMPUTER
GENERAL
STORE**

EDISON-BELL CONTINUES THEIR
SUPPORT OF THE TI-USERS GROUP.

ALL TI SOFTWARE IN STOCK
IS NOW 1/2 PRICE.

HURRY, QUANTITIES ARE LIMITED.

CONTINUE TO SUPPORT US AND WE
CAN CONTINUE TO SUPPORT YOU.

SPECIAL ORDERS ARE WELCOME.

PHONE 435-4636

EDISON-BELL COMPUTER GEN. STORE

9872-63 AVE. EDMONTON ALTA.
T6E 0G6

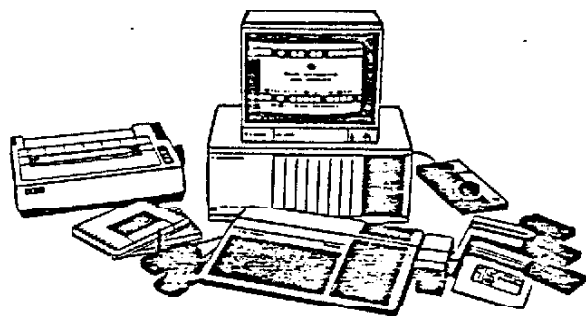
NOVA

COMPUTERWARE

52 AIRPORT ROAD EDMONTON ALBERTA T5G 0W7
403 452-0372

CHRISTMAS SPECIALS FOR THE TI-99/4A
PRICED ESPECIALLY AT \$99.00 EACH

PHM3108	LOGO II	\$99.00
PHM3111	TI WRITER	\$99.00
PHM3113	MICROSOFT MULTIPLAN	\$99.00
PHP1500	SPEECH SYNTHESIZER	\$99.00
MBX	VOICE RECOGNITION SYSTEM	\$99.00
	PACKAGE OF FOUR MBX MODULES	\$99.00
	PACKAGE OF 7 SCOTT-FORESMAN	\$99.00
	PACKAGE OF 3 NEW ADVENTURES	\$99.00
	PRINT N PRINT W EXT GRAPHICS	\$99.00



WE STOCK THE
COMPLETE LINE OF
TEXAS
INSTRUMENTS 
TI-99/4A
HOME COMPUTER PRODUCTS

WINTER SPECIALS . . . WHILE QUANTITIES LAST

TEAC DRIVES: PAIR WITH CABLES \$55.00

CENTRONICS PORTABLE GLP PRINTER

WITH TRACTOR FEED \$75.00

EDUCATIONAL SOFTWARE AT DISCOUNTS

EDITOR ASSEMBLER: AN IDEAL CHRISTMAS GIFT \$9.95

OPEN THURSDAY EVENINGS TILL 7:00 PM

FOR YOUR CHRISTMAS SHOPPING