# SASKATOON TEXAS INSTRUMENTS COMPUTER CLUB

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# NEWSLETTER

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## APRIL   1986

## SASKATOON TEXAS INSTRUMENTS COMPUTER CLUB
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We discuss and review new products for the TI99/4A while providing technical support for any problems that a member may have.  We also support a software library and have regular contacts with other groups in Canada and the United States. Our membership fees are very reasonable: $10.00/single or $12.00/family.  If you would like to become a member, or require more information, contact any member of the executive or call the STICC BBS.

## 1986 EXECUTIVE COUNCIL
***********************

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## MAILING ADDRESS
***************

P.O.BOX 7925, Saskatoon, Sask., Canada S7K 4R6

## STICC DISCLAIMER
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We are a small, nonprofit club here in Saskatoon.  We never have, or ever will, consider our newsletter a professional medium in its field.  Therefore, with this consideration, the views presented in the articles, by various authors, may not be the views of the newsletter committee, the STICC executive, or its members.  On this basis, this club cannot be held responsible for errors, omissions, views, or copy infringements, as presented in the articles.

## MEETINGS
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General meetings are normally held at 7 PM on the first monday of each month at the Saskatoon Region Community College, 145-1st Avenue North.  Any changes in date will be announced in this newsletter.  The meeting room number will be posted on a sign at the main entrance. (Usually room 144)

NEXT MEETING: May 05, 1986

## Bulletin Board System
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There is no longer a TI99 BBS in Saskatoon.  What was the STICC BBS is now the Benden Weyr.  It may still be reached at (306)384-2844.  Ken Read and Colin Hinz are the sysops.  This BBS is node 22, net 140, of FidoNet™.  Hours of operation are 4AM to 3AM, 7 days/week.  7 bits, even parity, or 8 bits, no parity, and one stop bit.  The voice line is 382-2527.

The following is reprinted from the March newsletter, Ottawa User's Group:

TI-99/4A National Users Association (NUAC) News        By Bob Boone
------------------------------------------------------------------------

My sincere apologies for the lack of a  NUAC  column  in
last  months  issue  of  our  newsletter.   Time  constraints
weighed too heavy as I had to be in Camp Borden Ontario for a
course  on  the  10th . of  February.   Exciting  things  have
happened and are still happening in the TI world this year.

On the 15th of February I dropped in on  Bruce  Ryan  of
Ryte  Data  in  Haliburton  Ontario  for  the  day.  He's been
negotiating with a huge  high-tech  conglomerate  in  Germany
called  Mechatronic  GmbH to get exclusive Canadian rights to
the TI-compatible products they've been  developing  for  our
machine.   I  saw  a TI Mouse in operation, and the 128K Gram
Karte.  I now have the new German Extended  Basic  II  module
that  adds  60 new, mainly graphic-oriented, commands to TI's
extended basic.  The Mouse will be available for about  $100,
the new  XB  for $125 and the Gram Karte approximately $300.
Those of you coming to New Jersey this weekend will  be  able
to  see  this  wonder  in  operation  as  Bruce will be there
showing  off  his  wares.   Mechatronic  has  also   finished
prototyping  an  80  column  card  and hope to have it on the
market by the late second quarter of this year.   The  latest
rumor  floating  around indicates that this German company is
going  to  throw  its  support  behind  producing  a  TI-99/4A
upgrade of some kind! .

About  250  TIers from all over southern Ontario made it
to  the  one  day  workshop  in  Hamilton(sponsored  by   the
Channel-99 User Group and organized by Tom and Sandy Arnold).
There were two southern Ontario distributors with tables full
of  TI  hard and software and several 'theme areas' set up in
the room as well.  The highlight for me  was  meeting  people
like Tom, Art Beck from Kingston and c99 author, Clint Pulley
from  Mississauga.   The  low  point  of  the  day  was   the
abruptness  of the end of the function.  After functions held
by our group in Ottawa we, almost  invariably,  have  a  social
gathering of some sort(it has become sort of a tradition).   I
had hoped to coax some of our new  friends  to  join  us  for
supper,  but  it  didn't  happen, and I missed it....  I hope
many of our local users and many of  those  that  attend  our
Faire  from  abroad  will  support our plan to meet after our
show for a supper at the Talisman Inn in Ottawa.  If  you  do
plan to attend please try to let us know in advance.

As yet, I have next to no word of how things went in LA,
or what was released by whom.  I have heard from Bruce  Ryan,
who  was there that it was not as well attended as they hoped
with somewhere under 1000 in total attendence.  Thats not too
shabby  in  my book!!! I, for one, look forward to reports on
their show for weeks to come.

Bob Costello, organizer of  the  TI  Fun  Faire  in  New
Jersey, next weekend, called me a week ago Sunday.  He had
heard a rumor that we were planning to attend their event and
was calling to confirm that we did indeed plan to go.  He was
excited at the propect of  finally  meeting  'Canadian  TIers
that  are  so highly thought of'....  That particular phrase,
which is cropping up more and more often in the TI  community
is what NUAC is all about....

Bob  said   that Lou Phillips was still committed to show
his TI upgrade at the New Jersey Faire.  Ten of us  from  the
Ottawa  area  will  be there to witness it, if it happens....
Tom Bentley and his wife, me and my family, Berry  Minuk  and
Steve McWatty will be piling into a rented van Friday morning
for the trip.  Boy, are we looking forward to it...

Two User Groups have come on line over  the  past  month
and  I'd  like to take this opportunity to welcome them both.
A big thanks to The North Bay Users  group  and  CIM-99  from
Montreal  for  joining  NUAC! CIM-99  with an astounding 146
members is,  so  far,  the  biggest  group  to  jump  on  the
bandwagon  and  we're  greatful for their support.  I met the
Secretary of Toronto's 9-T-9 Users Group in Hamilton  and  he

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           TI-99/4A National Users Association (NUAC) News          continued
           ------------------------------------------------------------------

pledged  to  renew  the  issue of their group's joining us at
their next executive meeting..... I got a  phone  call  from
Jean  Paul Rheaume, President of GOTIK in Quebec City, 2 days
ago and he too pledged to join.  Monte Blue,  of  Lethbridge,
Alberta joined as an individual member in February as well.

     Monte works for Bell Canada; he and four other employees
of Bell, in Lethbridge have formed an  informal  club  there.
Three  of  them  are  fully  expanded.  We Don't know how you
found us Monte, but we're glad you did and hope we can be  of
some  service  to  your group in some way.  Don't hesitate to
get in touch if there's ever any need we can fill.

     Tracking the enrolment dates of the  various  individual
and  group memberships of NUAC has proved to be too much of a
problem for us here in Ottawa.  Accordingly, it was  proposed
and  passed  at  the last Ottawa User Group Executive meeting
that all NUAC memberships be aligned  with  the  OUG  end  of
year.    All   members  of  NUAC  that  joined  in 1985  have
automatically had  their  memberships  extended  to December
1986,  at our expense....unless you'd care to send a prorated
amount to carry you through to  that  date.   Memberships  in
NUAC  will  now run from January to December and joiners fees
will be prorated quarterly(ie: $20 for January-March; $15 for
April-June;  $10  for  July-September  and  $5 for October to
December).


     A CONTEST: NUAC needs a LOGO; LETTERHEAD and/or EMBLEM.


Using  the Graphics utility of your choice design one  of  the
above  and submit it with your name and address and your user
group affiliation(if any) to
                    EMBLEM CONTEST
                PO Box 2144, Station D
                    Ottawa, Ontario
                    K1P 5W3
on or before September 1st.

The prize will be 5 boxes of  diskettes.    If  an  individual
registrant  of  NUAC wins the prize will be awarded to him or
her; if a member of a group, registered with NUAC  wins,  the
prize will go to the club librarian in the winner's name.

     The Emblem must have a Graphic of National significance
and include the title: 'TI-99/4A National User's  Association
of  Canada'.   The  winning  entry  will  be  adopted  by the
Association as its official  insignia.   Looking  forward  to
seeing some dillies!



     Phillip  Hawtry,  the  young  man who won our Early-Bird
prize on our membership drive, finds  he  is,  unfortunately,
unable  to use it...  He wants to know if anyone out there is
interested in buying the free week at the Moosehead Lodge  in
Maniwaki Quebec from him...

     Mal  Taggart puts a retail price of $525 on the package,
which includes free room and board for a week(for two) at his
lodge.   I  can  recommend  the lodge and service highly from
personal experience; as can the other members of last  year's
club  executive.  Mal invited us up for a day last summer and
treated us royally.

     I've begun to wonder if  my  career  manager  reads  our
newsletter.   He's  now  making noises about a posting for me
this summer.  There's  still  a  fair-to-middling  chance  it
won't  happen  but  I've  learned  from past experience to be
prepared for the worst.

The following is reprinted from the Ottawa User's Group Newsletter:

========= HANDY REFERENCE GUIDE TO PEEKS AND POKES ==================

| ADDRESS , VALUE(S) | MEANING IN EXTENDED BASIC |
|---|---|
| | CALL VERSION(X) IF X=100 100= NEWEST VERSION OF X/B CART |
| 8192  , P | USE (PEEK,P) IF P 70 OR 121 THEN DO A CALL INIT |
| 8194  , | FIRST FREE ADDRESS IN LOW MEMORY |
| 8196  , | LAST FREE ADDRESS IN LOW MEMORY |
| -28672 , P | P=0 SPEECH NOT ATTACHED P=96 OR P=255 SPEECH IS ATTACHED |
| -31572 , 0 TO 255 | VARY KEYBOARD RESPONSE |
| -31740 , P , Q | PUT IN DIFFERENT TO CHANGE BEEPS,WARNINGS, ETC |
| -31744 , 0 TO 15 | CONTINUATION OF LAST SOUND (0=LOUD AND 15=SOFT) |
| -31748 , 0 TO 255 | CHANGE THE CURSOR FLASHING AND RESPONSE TONE RATES |
| -31788 , 160 | BLANK OUT THE SCREEN (MUST PUSH A KEY TO ACTIVATE) |
| , 192 | NO AUTOMATIC SPRITE MOTION OR SOUND |
| , 224 | NORMAL OPERATION |
| , 225 | MAGNIFIED SPRITES |
| , 226 | DOUBLE SIZE SPRITES |
| , 227 | MAGNIFIED DOUBLE SIZED SPRITES |
| , 232 | MULTICOLOR MODE (48 BY 64 SQUARES) |
| -31794 , P | TIMER FOR CALL SOUND (COUNTS FROM 255 TO 0) |
| -31804 , X , Y | RETURN TO THE TITLE SCREEN (USE "PEEK (2,X,Y)") |
| , P | CHANGE THE CURSOR FLASH RATE (0 TO 255) |
| -31806 , 0 | NORMAL OPERATION |
| , 16 | DISABLE QUIT KEY (FCTN =) |
| , 32 | DISABLE SOUND (USE NEG DUR FOR CONTINOUS SOUND) |
| , 48 | DISABLE SOUND QUIT KEY |
| , 64 | DISABLE AUTO SPRITE MOTION |
| , 80 | DISABLE SPRITES QUIT KEY |
| , 96 | DISABLE SPRITES AND SOUND |
| , 128 | DISABLE ALL THREE |
| -31808 , P , Q | DOUBLE RANDOM NUMBERS (0 TO 255) NEED "RANDOMIZE" |
| -31860 , 4 | GO FROM EX-BASIC TO CONSOLE BASIC (NEED "NEW") |
| , 8 | AUTO RUN OF DSK1.LOAD |
| -31866 , P , Q | END OF CPU PROGRAM ADDRESS (P6+Q) |
| -31868 , 0 | NO "RUN" OR "LIST" AFTER "BREAK" IS USED |
| , 0 , 0 | TURNS OFF THE 32K MEMORY EXPANSION |
| , 255 , 231 | TURNS ON THE 32K MEMORY EXPANSION |
| -31873 , 3 TO 30 | SCREEN COLUMN TO START AT WITH A "PRINT" |
| -31877 , P | P32 = SPRITE COINCIDENCE P64 = 5 SPRITES ON A LINE |
| -31878 , P | HIGHEST NUMBER SPRITE IN MOTION (0 STOPS ALL) |
| -31879 , P | TIMER FOR VDP INTERRUPTS EVERY 1/60 OF A SEC (0 TOP 255) |
| -31880 , P | RANDOM NUMBER (0 TO 99) NEED "RANDOMIZE" |
| -31884 , 0 TO 5 | CHANGE KEYBOARD MODE (LIKE "CALL KEY(K,...)") |
| -31888 , 63 , 255 | DISABLE ALL DISK DRIVES (USE "NEW" TO FREE MEMORY) |
| , 55 , 215 | ENABLE ALL DISK DRIVES (USE "NEW" TO FREE DRIVES) |
| -31931 , 0 | UNPROTECT X-B PROTECTION |
| , 2 | SET "ON WARNING NEXT" COMMAND |
| , 4 | SET "ON WARNING STOP" COMMAND |
| , 14 | SET "UNTRACE" COMMAND |
| , 15 | SET "UNTRACE" COMMAND "NUM" COMMAND |
| , 16 | SET "TRACE" COMMAND |
| , 64 | SET "ON BREAK NEXT" COMMAND |
| , 128 | PROTECT X/B PROGRAM |
| -31952 , P | PEEK P=55 THEN 32K EXPANSION MEMORY IS OFF 55 MEANS ON |
| -31962 , 32 | RETURN TO THE TITLE SCREEN |
| , 255 | RESTART X/B W/DSK1.LOAD |
| -31974 , P , Q | END OF VDP STACK ADDRESS (P6+Q) |
| -32112 , 8 | SEARCHES DISK FOR ? |
| -32114 , 2 | RANDOM GARBAGE |
| , 13 | SCREEN GOES WILD |
| , 119 | PRODUCE LINES |

| ADDRESS , VALUE(S) | MEANING IN EXTENDED BASIC |
|---|---|
| -32116 ; 2 | RANDOM CHARACTERS ON SCREEN |
| ; 4 | GO FROM X/BASIC TO BASIC |
| -32187 ; 0 | UNPROTECT XB PROGRAM |
| ; 2 | SET "ON WARNING NEXT" COMMAND |
| ; 4 | SET "ON WARNING STOP" COMMAND |
| ; 9 | SET 0 LINE NUMBER |
| ; 14 | SET "UNTRACE" COMMAND |
| ; 15 | SET "UNTRACE" COMMAND "NUM" COMMAND |
| ; 16 | SET "TRACE" COMMAND |
| ; 64 | SET "ON BREAK NEXT" COMMAND |
| ; 128 | PROTECT XB PROGRAM |
| -32188 ; 1 | CHANGE COLOR AND RECEIVE SYNTAX ERROR |
| ; 127 | CHANGE COLOR AND RECEIVE BREAKPOINT |
| -32630 ; 128 | RESET TO TITLE SCREEN |
| -32699 ; 0 | UNPROTECT XB PROGRAM |
| ; 2 | SET "ON WARNING NEXT" COMMAND |
| ; 4 | SET "ON WARNING STOP" COMMAND |
| ; 14 | SET "UNTRACE" COMMAND |
| ; 15 | SET "UNTRACE" "NUM" COMMAND |
| ; 16 | SET "TRACE" COMMAND |
| ; 64 | SET "ON BREAK NEXT" |
| ; 128 | PROTECT XB PROGRAM |
| -32700 ; 0 | CLEARS CREEN FOR AN INSTANT |
| -32729 ; 0 | RUN "DSK1.LOAD" |
| -32730 ; 32 | RESET TO TITLE SCREEN |
| -32961 ; 51 | RESET TO TITLE SCREEN |
| ; 149 | SETS "ON BREAK GOTO" LOCKS SYSTEM |

## THE FOLLOWING LOADS REQUIRE E/A OR MM

| ADDRESS , VALUE(S) | MEANING |
|---|---|
| 784 , P | USE POKEV(784,P) (WHERE P IS 16 TO 31)   CHANGES BACKGROUND COLOR OF CURSOR |
| -24574 , 8 | I THINK THIS ALLOWS THE MINI-MEM TO USE THE 24K FOR STORAGE |
| -30945 , 0 | WHITE EDGES |
| -32272 , 0 , "" , -30945 , 0 ) | WILL PUT YOU IN TEXT MODE |
| -32766 , 0 | BIT MAP MODE |
| -32768 , 0 | GRAPHICS (NORMAL MODE) |
| -32280 , 0 | MULTI-COLOR MODE |
| -32352 , 107 | WILL BLANK THE SCREEN, ANY KEY PRESS WILL RESTORE |

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### 24K OF DATA STORAGE

If you need to work with quite a bit of data or would like to change programs, but save the data after you press CALL QUIT then you can set up the 24K of High-Memory in the PEB as a single data file called "EXPMEM2", you open this file just as you would a disk file with one exception - you must PRECEED the OPEN statement with a CALL LOAD to the location -24574 as follows:

```
        For INT/VAR files - 24
        For DIS/VAR files - 16
        For INT/FIX files -  8
        For DIS/FIX files -  0
```

Heres and example:
If you want to open up the Expansion Memory for Display,Variable 80 files this is what you'd do:

```
    100 CALL INIT
    110 CALL LOAD(-24574,16)
    120 OPEN #1:"EXPMEM2",RELATIVE,UPDATE,DISPLAY,VARIABLE 80
```

Then continue on as you normally would.
If you want to store both data and assembly language routines at the same time do this:

```
    100 CALL INIT
    110 CALL LOAD(-24574,-16)
    120 OPEN #1:"EXPMEM2"
    130 CALL LOAD ("DSK1.ASSM1")
    140 CALL LOAD ("DSK2.ASSM2")
    150 CALL LINK ("START")
    160 REM CONTINUE REST OF PROGRAM
```

In the above example the 24 K of high-memory was saved for use as a DATA file (DIS/VAR 80 format) then the assembly routines were loaded. The computer will look for the best place to put the routines and will adjust the pinter accordingly. After the routines are loaded, a LINK statement starts the first rutine and off we go.

The following is from the Benden Weyr BBS      ( the FidoNet News ):


        A long time ago... on a node far, far away (from PDPvax)

```
              XXXXX   XXXXX   XXXX
              X   X   X          X   X
              X       X   XXXXX   X
              X       X   X       X
              X   X   X   X       X   X
              XXXXX   XXXXX   XXXX


        X    X    XX    XXXXX    XXXX
        X    X   X  X   X        X  X
        X    X   X    X X    X   X    XXXX
        X XX X   XXXXXX   XXXXX          X
        XX XX X   X    X    X    X   X    X
        X    X   X   X    X    X    XXXX
```

The even further adventures of Luke Vaxhacker      Episode n+2

     The Milliamp Falcon hurtles on thru system space...

     Con  Solo  finished  checking  the  various  control and
status registers,  finally convinced himself  that  they  had
lost  the  Bus Signals as they passed the terminator.  As he
returned from the I/O page,  he smelled smoke.  Solo wasn´t
concerned--the  Bookie  always  got  a  little hot under the
collar when he was losing at chess.  In fact, RS232 had just
executed a particularly clever MOV  that  had  blocked  the
Bookie´s  data paths.  The Bookie,  who had been setting the
odds  on the game,  was  caught  holding  all  the  cards.  A
little strange for a chess game...

     Across  the room,  Luke was too busy practicing bit-slice
technique to notice the commotion.

     "On a word boundary, Luke," said PDP-1. "Don´t just hack
at it.  Remember, the Bytesaber is the weapon of the Red-eye
Night.  It is used to trim offensive lines of  code.  Excess
handwaving won´t get you anywhere.  Listen for the Carrier."

     Luke turned back to the drone, which was humming quietly
in  the  air  next  to  him.  This  time Luke´s  actions
complemented the drone´s attacks perfectly.

     Con  Solo,  being  an  unimaginative  hacker,  was  not
impressed.  "Forget  this bit-slicing stuff.  Give me a good
PROM blaster any day."

     "~~j~~hhji~~," Said Kenobie,  with no clear  inflection.
He fell silent for a moment, and reasserted his control.

     "What happened?" asked Luke

     "Strange," said PDP-1. "I felt a momentary glitch in the
carrier.  It´s equalized now."

     "We´re  coming  up  on user space," called Solo from the
CSR.  As they cruised safely thru stack frames, they emerged
in the new context only to be bombarded by freeblocks."

        Dec Wars  ( continued )
        ------------------------

        "What the..." gasped Solo.  The screen  showed   clearly:
/usr/alderaan:  not  found  "It's the right inode,  but it's
been cleared!  Twoie, where's the nearest file?"

        "3 to 5 there's one..." The Bookie started to  say,  but
was interrupted by a bright flash off to the left.

        "Imperial  TTY  fighters!" Shouted Solo.  "A whole DZ of
them!  Where are they coming from?"

        "Can't be far from the host system," said Kenobie. "They
all have direct EIA connections."

        As Solo began to give chase,  the ship lurched suddenly.
Luke noticed the link count was at 3 and climbing rapidly.

        "This  is  no regular file," murmered Kenobie.  "Look at
the ODS directory structure ahead!  They seem to have  in  a
tractor beam."

        "There's no way we'll unlink in time," Said Solo. "We're
going in..."

TO BE CONTINUED???
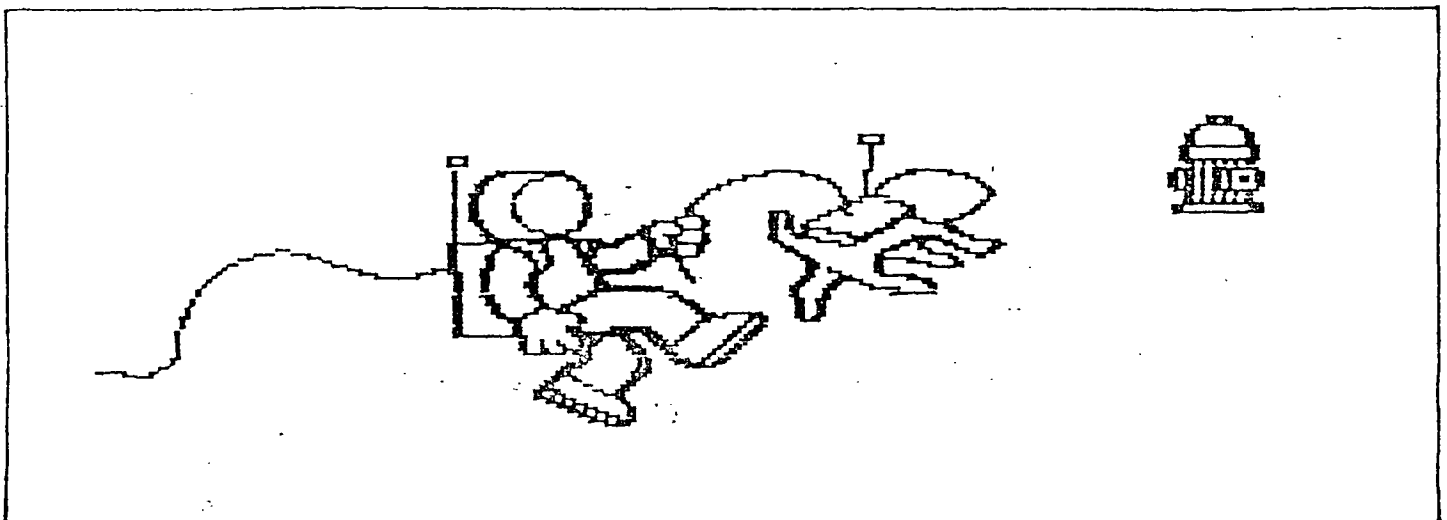
Here's an extended basic program you can have a little fun with.
Be sure to save the program first, then run it.
The normal exbasic prompt appears.  Try entering:

        RUN
        CALL CLEAR
        OLD
        NEW
        any letter, then a left arrow
    Try varying the length of time you hold a key down, from 1/2 to 2
seconds.
    This program is reprinted from the March, 1986 issue of the Winnipeg
UG newsletter.

```
100 !  LOAD/TRICK PROGRAM
110 ! "FREEWARE" BY BARRY A.TRAVER, 835 GREEN VALLEY DRIVE, PHILADELPHIA,PA 1912
8   (PHONE: 215/483-1379)
120 ON BREAK NEXT :: CALL CLEAR
130 PRINT "* READY *": : :: M$="" :: CALL HCHAR(24,2,62):: R=24 :: C=3 :: CTR=0
140 CALL KEY(0,K,S):: CTR=CTR+1 :: IF K=8 THEN PRINT "I DON'T DO BACKSPACES.": :
 : :: GOTO 130
150 IF S<>0 THEN CALL HCHAR(R,C,K):: C=C+1 :: M$=M$&CHR$(K)
160 IF M$="OLD" THEN PRINT "OLD?": :"WHY OLD? WHY NOT NEW? ": : : :: GOTO 130
170 IF M$="NEW" THEN PRINT "NEW?": :"NOW THAT'S MORE LIKE IT!": : : :: GOTO 130
180 IF M$="RUN" THEN PRINT "RUN?": :"WHY RUN? WHY NOT WALK?": : : :: GOTO 130
190 IF M$="CALL" THEN PRINT "CALL? ": :"NOT THAT STUPID CALL FILES  ROUTINE AGAI
N!": : : :: GOTO 130
200 IF LEN(M$)>4 THEN PRINT :"YOU'RE TOO ROUGH--I'M GOING TO LOCK UP ON YOU!" ::
 GOTO 140
210 IF CTR=2 THEN CALL HCHAR(R,C,30)
220 IF CTR=4 THEN CALL HCHAR(R,C,32):: CTR=0
230 GOTO 140
240 GOTO 140
```

The following is reprinted from the CIM99 UG in Montreal.

BASIC

```
100 FOR I=96 TO 128 STEP 8
110 CALL CHAR(I,"FFFFFFFFFFFFFFFF")
120 NEXT I
130 CALL CLEAR
140 CALL SCREEN(2)
150 REM !!!!!!!!!!!!!!!!!!!!!!
160 REM
170 PRINT " FLYING SAUCER MUSIC": : : : : : : : : : : : : : : : : : : : :
180 REM BY PFETT PIJAM
190 REM REPRINTED FROM COMPUTERBASE
200 REM REPROGRAMMED BY CHICK DE MARTI
210 REM
220 REM !!!!!!!!!!!!!!!!!!!!!!
230 RESTORE
240 DATA 10,2,96,6,10,8,104,6,10,14,112,6,10,20,120,6,10,26,128,6
250 DATA 11,2,96,6,11,8,104,6,11,14,112,6,11,20,120,6,11,26,128,6
260 DATA 12,2,96,6,12,8,104,6,12,14,112,6,12,20,120,6,12,26,128,6
270 DATA 13,2,96,6,13,8,104,6,13,14,112,6,13,20,120,6,13,26,128,6
280 FOR I=1 TO 20
290 READ A,B,C,D
300 CALL HCHAR(A,B,C,D)
310 NEXT I
320 CALL SCREEN(5)
330 FOR I=9 TO 13
340 CALL COLOR(I,2,1)
350 NEXT I
360 INPUT "SPEED?":S
370 CALL HCHAR(23,1,32,32)
380 CALL SCREEN(2)
390 CALL COLOR(9,9,1)
400 CALL SOUND(S,330,0,330,5)
410 CALL COLOR(9,2,1)
420 CALL COLOR(10,12,1)
430 CALL SOUND(S,370,0,370,5)
440 CALL COLOR(10,2,1)
450 CALL COLOR(11,14,1)
460 CALL SOUND(S,294,0,294,5)
470 CALL COLOR(11,2,1)
480 CALL COLOR(12,16,1)
490 CALL SOUND(S,147,0,147,5)
500 CALL COLOR(12,2,1)
510 CALL COLOR(13,6,1)
520 CALL SOUND(S,220,0,220,5)
530 CALL COLOR(13,2,1)
540 S=S-25
550 IF S<1 THEN 320
560 GOTO 390
```

=========================================================================

FROM: S.T.I.C.C.
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TO:

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