PRESIDENTS MESSAGE
by Mike Ewell

At the March meeting, the demo will be on TI-Tax, if! I have it by then. This is being written in mid Febuary. If I don't have it by then, the demo will still be TIMP and/or ? It all depends on what comes in. I may even pick up a few programs down in San Diego at the FEST-WEST.

There are two new programs in the library. The first is disk to tape conversion program in A/L, loading from XB. It works in either direction. The second is a flight simulator in A/L that loads from E/A option 5. The docs are 124 sectors! Also included are some printer graphics for an Epson compatible printer. I would assume that the program will be distributed in an archived format of 125 sectors, as the unarchived form takes 383 sectors. SSSD users will unpack in two passes. The actual program is 75 sectors. The disk-tape conversion also has the source code for those interested.

The SYSOPS of the SBTIUG BBS would like more messages from a wider base of users. When you call, leave behind a little of yourself in the form of a statement!, a question?, or ??????? You may even help the dreaded "Quote War" to come to a quiet end. At least every note you leave is one less space for the Quoters.

The club could use your help with the newsletter. Ask Bill!!
¦+¦+¦+¦+¦+¦+¦ PLEASE HELP WITH THE NEWSLETTER! ¦+¦+¦+¦+¦+¦+¦
The club could use your help with the newsletter. Ask Bill!!

```
[][][][][][][][][][][][][][][][][][][][][][][][][][][][][]
[]                                                      []
[]   The March SBTIUG meeting will be held at 7:13 P.M.  []
[]                                                      []
[]            THURSDAY, March 2, 1989                   []
[]                                                      []
[] The meeting will be held in the Saratoga Public     []
[] Library. The library is located at 13650 Saratoga   []
[] Avenue. From 280(680), take the Saratoga Avenue exit []
[] SOUTH. The library will be on your left, just past  []
[] the Fruitvale intersection. This is about four miles []
[] from the 280 exit.                                   []
[]                                                      []
[][][][][][][][][][][][][][][][][][][][][][][][][][][][][]
```

If a few more people were to buy TI-Base, another demo could be done on the basics or the more advanced parts. A part of the program lets you convert your other data bases to use in TI-Base.

In case you missed the last meeting, another! program in the library and on the BBS is Charfix2. This A/L program allows you to modify a Charal file to suit your needs. It is an E/A option 5 type. You can change or design characters from 0 to 255. It is easy to use!

¦+¦+¦+¦+¦+¦ PLEASE HELP WITH THE NEWSLETTER! ¦+¦+¦+¦+¦+¦+¦

```
X NOTICE XX NOTICE XX NOTICE XX NOTICE XX NOTICE XX NOTICE X
X                                                        X
X              APRIL AND MAY MEETINGS                    X
X                                                        X
X  The April meeting will be held on 4-6-89 which is the X
X  first Thursday.                                       X
X                                                        X
X  The May meeting will be held on 5-4-89 which is the   X
X  first Thursday.                                       X
X                                                        X
X  The first Thursday will continue to be the first choice X
X  for our meetings, but please read the dates carefully X
X  to avoid a wasted trip or missing a meeting.          X
X                                                        X
X NOTICE XX NOTICE XX NOTICE XX NOTICE XX NOTICE XX NOTICE X
```

SBTIUG CLUB OFFICERS AND OTHERS

SBTIUG GENERAL MEETING 2 FEBRUARY, 1989

by Norm Knudsen

The February meeting of the SBTIUG was held at the Saratoga Public Library and was called to order at 7:24 PM by President Mike Ewell. There were 23 persons in attendance including three guests. The treasurer's report stated a balance of $400.74. There were three renewals and approximately $65 paid out for expenses leaving a new balance of around $380.00.

Librarian Helmut Fuchs stated that a list of BBSs was available and that SBTIUG was on it. He also announced that there was a copy of TI-Base (Vers 2.01) in the library. Sorry, only for folks who have purchaced Vers 2.0 and ned the update.

Bill still needs articles for the newsletter.

Chris Schram has taken over as SYSOP of the BBS which is up operating just fine. He requested permission to call long distance for downloads from out of town BBS's. The membership approved.

Don Apte, out PR man, gave his usual fine rundown of upcoming swap meets and shows in the area. he also announced that he had taken out a membership in the club's name in the 'OFFICE CLUB', a membership discount store for computer accesories.

Mike said that he had not received the Multiplan tax templates.

The general meeting then adjourned for a demo on BBS.

TREASURERS REPORT
by Kevin Gaberkow

PLEASE look at your mailing label to see if some color has been added. If your membership expiration date has been high-lighted in RED, this is your last issue until you renew. If your membership expiration date is in YELLOW, then you should renew at the next regular club meeting.

>> THE DUES ARE $15 PER YEAR <<

NOTE: Your membership expiration date can be found on the last line of your mailing label.

If any information on your label needs to be changed, please let me know. Call me at (408) 281-7435 or write to me at the following address:

SBTIUG - Treasurer
P.O. Box 23447

San Jose, CA 95153-3447

There were several renewals in the month of February: Joseph Maloy, Jim Van Scyoc and Ray Keller. I would like to thank Joe, Jim and Ray for their continued SBTIUG support.

The club made the following payments in the month of February: $29.87 to Pat Micetich for newsletter costs, $40.51 to Chris Schram to cover SBTIUG BBS phone costs as well as thermal paper for the BBS printer, $25.47 to Norm Knudsen to cover Christmas raffle costs.

The club now shows a balance of $463.16.

EDITORS RAMBLINGS
by Bill Schult

I would like to thank those that have contributed articles to this months issue. Helmut Fuchs has submitted an article called TI-BASE COMMANDS that describes the commands used in TI BASE.

Also Kyle Crichton has submitted an article that is 'aimed' at the children.

Kyles article gives us information on where to get programs for children. He lists books, magazines and other sources of programs that are designed for the children. So if you have a child in your home, be sure to read this article.

We still need more original articles for the newsletter. We have had some good responses from a few of our members. The more members submitting articles the stronger our group will be. If you have a favorite or unusual program share it with the rest of the group!

FOR SALE

Complete system consisting of Console, PEB box with 32K, RS232, single Disk Drive, Speech synthesizer. Software includes Grom Buster, Super Duper, Data Base, XB DM2, TE2, Multiplan, etc.

If interested call Dan Meza at 226-3515

################################

WANTED
Chess module. If you have one and want to get rid of it call: Bob Thorburn 408-867-0162

################################

SOURCES OF PROGRAMS FOR CHILDREN TO TYPE IN BY KYLE CRICHTON

Many of the program listings in computer magazines are too
long or uninteresting to children. As a result of searching
for appropriate program listings for my nephews and nieces I
have compiled the following list. I realize that there are
many fine programs for children available ready to run out
these rob the child of the thrill of getting a program they
have entered themselves to work.

MAGAZINES CONTAINING CHILDREN'S TI99/4A PROGRAMS:

ENTER published by CHILDREN'S TELEVISION WORKSHOP from
OCTOBER 1983 thru MAY 1985. This magazine was merged into
3-2-1 CONTACT.

3-2-1 CONTACT published by CHILDREN'S TELEVISION WORKSHOP
contains TI99/4A programs beginning in its JUNE 1985 issue
and continueing thru its MAY 1986 issue. From then on
TI99/4A programs appear only in the following issues:
JULY/AUGUST 1986; SEPTEMBER 1986; OCTOBER 1986; DECEMBER
1986; MARCH 1987; APRIL 1987; JUNE 1987; OCTOBER 1987.
Since OCTOBER 1987 issue there haven't been any TI99/4A
programs but the programs that do appear would be easy to
convert with a little adult help.

K-POWER published by SCHOLASTIC INC. from FEBRUARY 1984
through NOVEMBER/DECEMBER 1984 issue has longer TI99/4A
programs than 3-2-1 CONTACT. K-POWER became a part of
FAMILY COMPUTING starting with the JANUARY 1985 issue.

FAMILY COMPUTING published by SCHOLASTIC INC. already
carried programs for the TI99/4A before K-POWER was merged
with it but these were of little interest to children and
ran a little long. The programs in the K-POWER section
became simpler and shorter than when K-POWER was a separate
magazine. FAMILY COMPUTING continued to carry TI99/4A
programs for children in its JANUARY 1985, FEBRUARY 1985,
APRIL 1985, MAY 1985, JUNE 1985, AUGUST 1985 and SEPTEMBER
1985 issues. All the TI99/4A programs are music programs by
JOEY LATIMER and are quite good.

FUN COMPUTING BOOKS FOR CHILDREN: While there are a lot of
books that claim to fit this catagory a few I found
worthwhile are listed below: BASIC FUN,Computer Games,
Puzzles, and Problems Children Can Write, by Susan Drake
Lipscomb and Margaret Ann Zuanich, AVON BOOKS 1982

MICRO ADVENTURE series of books by various authors and
published by SCHOLASTIC INC. 1984 Each book in this series
contains an adventure in which the reader must program his
computer with 7 or 8 different programs in order to finish
the adventure.

WHERE TO FIND BACKISSUES OF MAGAZINES: 1. LIBRARY SALES 2.
GARAGE SALES 3. USED BOOK STORES: In San Francisco try
McDONALD'S BOOKSHOP on 48 TURK ST.(near MARKET)
(415)673-2235 In San Jose try WOODRUFF and THUSH "TWICE READ
BOOKS" at 81 EAST SAN FERNANDO ST.,SAN JOSE (408)294-3768

Since all the magazines and books mentioned covered other
computers you might try friends of yours who have other
computers since their magazine collections may include the
issues you are looking for. Good Luck Hunting!

TRIVIA QUESTION OF THE MONTH:

NAME THE COMPUTER THAT HAD THE SAME MICROPROCESSOR AS THE
MYARC 9640 BUT WAS INTRODUCED IN 1983. HINT: IT WAS
MARKETED FOR CHILDREN.

TWO TIPS by Charles Good LIMO OHIO 99 UG

DISK UTILITIES v4.1 TIP

Printing out a "DISK REPORT" complete with comments takes
alot of paper, even if you use compressed print. If the
disk has alot of files the DISK REPOORT will probably not
fit onto the front of the disk envelope. Using "System
Setup" and the following special characters will print your
disk report in compressed, subscript, double strike, and
small line feeds. From the "Printer Setup" submenu type "S"
next to "Disk Report" and then enter the following "Special
Character" code: 1B0F1B33011B3308

You can permanently enter this special character with a
sector editor so that it will always be available for
instant use. You need the complete documentation, only
available to registered DISK UTILITIES owners to tell you
where to do the sector editing. A sample commented
Funnelweb v4.1 system disk report is shown below printed
with this special character codes. The code above works for
epson compatable printers.

FUNNELWEB v4.1 TIP Do you have FWB v4.1 stored on a ramdisk
designated other than DSK1. If so, when you call up FWB's
DM1000 you may have to wait for physical drive #1 to grind
away for awhile before DM1000 appears. This access of drive
1 every time you boot FWB's DM1000 can be eliminated. Use
FWB's DISK PATCH, or any other sector editor, to display the
first sector of the MG file. Make the display ASCII, and
near the beginning of the sector you will see "DSK1.MG".
Change this drive number to the ramdisk drive number that
actually contains file MG and your problem is solved. Now,
when you select DM1000 from FWB v4.1 it boots instantly!

‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡EOF‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡

SPECS: 255 CHAR/FIELD
    17 FIELDS/RECORD
    16129 RECORDS/DATA BASE
    5 DATA BASE SLOTS MAY BE OPENED
    EACH RECORD IS STORED DIRECTLY TO A DATA DISK, SSSD, DSSD, SSDD, DSDD
    $24.95 FOR PROGRAM, TUTOR DISK, AND MANUAL BY INSCEBOT
    COMPATIBLE WITH FOUNDATION RAM DISK
    SORT ON ANY FIELD, UP TO 8 LEVELS, BUT SORT MAY HAVE A BUG PRESENTLY
    PRINTER COMMANDS TO ALLOW SENDING PRINTER CODES
    COMMAND LANGUAGE TO ALLOW MANIPULATION OF DATA, SORTING, LOGIC, MATH
  DISADVANTAGES: VERY SLOW SORTING OF FILES: 10 MIN. FOR 80 ITEMS, 23 MIN FOR
    260 ITEMS
    SORTING DOES NOT PERFORM CORRECTLY IF SORT IS ON MORE THAN ONE FIELD

LOAD DISK: from x-basic
    from E/A option 3: DSK1.TIBASE
    from E/A option 5: DSK1.TIBASEP
  2.3   from MINIMEM option 3, reinitialize, EA option 1, DSK1.TIBASE
    from HORIZON RAM DISK: option 3, DSK1.TIBASEP

DATE FORMAT: MM/DD/YY is appended to files, use in .DATE. variable
  2.4
STATUS DISPLAY: at initial startup.
3.1.1 DISPLAY STATUS from . prompt
3.1.3 SET XXXX - YYY to change status temporarily from . prompt
3.1 Status Default values and purpose:

    DATDISK = DSK1   datadisk for storing DB files, reading TUTOR disk,
             storing COMMAND files
3.7.5PRGDISK = DSK1 main TIBASE disk
    PRINTER = PIO.CR.LF automatic printer carriage return and line feed
    PAGE   = 56   page length of printer is 56 lines per page
    HEADING = ON   prints headings of each field at start of printout
    TALK   = ON   displays each command as it executes
    SPACES = 1   single spaced print out
    RECNUM = ON   print out record number assigned at time of entry
    LSPACE = 256   assign 256 bytes for local variables in commands
    CURSOR = 2   speed of cursor movement: 1..99 (slowest)
    DATE   = 12/18/88 displayed value is date entered at time of startup

SINGLE DISK USERS: copy OVERLAY/F, and any desired AIDXXX/I files from TI-BASE
  3.0 disk to data disk and set PRGDISK and DATDISK = DSK1

USE SETUP   is program stored to display STATUS window , file located
    on DSK1. Allows making changes, save on disk use FCTN 8 (EXE)
MODIFY COMMAND SETUP contains initial message displays, Assy Lang patches,
    printer loading command, any others you want to add. * is remark. Save
  2.6 with 8F on DSK1

STATUS INFO LINE high lighted bottom line of 40 characters:
    Command file, Line #, slot active, Database active, record # active/max
records, at EOF, Insert mode active, CLose, Open, Read, Write, Delete, *Pause

COMMAND FILE collection of instructions or program to do a sort, search, print
task. Saved on data disk with 8F.

DO COMMAND-FILE begins execution of a Command File

UN-LINE HELP: Use /F HELP to get menu, enter # desired. 9F to return to .

TUTOR DISK: contains summary of commands as given in manual. To get printout
treat it as any other database file, and use PRINT ALL for each file
To display on screen: DO TUTOR from disk 2.

CREATING A NEW DATABASE: First :SET DATDISK DSK1
          CREATE DSK2.ADDRESS 8 char max. name of database
             Enter name of each field, type of field:C any char, Numeric, Date, X
   3.2.1   hex value(to send to printer). Numeric enter decimals in third field
             17 fields allowed, 255 characters total per record.
   3.4.4   8F EXE will save database format. Field names may be changed later,
   3.2.1.2 size change will scramble all data in DB.

USE ADDRESS Reads in database in slot 1, may SELECT 2..5 to read in up to 5
   3.2.2   different databases

DISPLAY STRUCTURE shows fields of current database
   3.2.3
APPEND   add new records to end of file, 8F save to disk
APPEND BLANK adds an empty record to end of file
   3.2.4 9F to return to . prompt without saving record

EDIT 5   allows editing record 5, next record with 5F, previous record 6F, save
   3.2.5   changes with 8F, back to . with 9F

DELETE ADDRESS permanently deletes all data in DB
   3.2.6

DELETE RECORD 5 marks record to be deleted when PACK is commanded. May RECALL
   3.2.7   to save record

RECALL 5   un-marks record 5 that was previously deleted (before PACK)
   3.2.8
PACK   deletes all marked records and saves file to disk
/3.2.9
SORT ON NAME TOWN ZIP sorts entire file first on NAME field, then on TOWN,
   3.2.10   then on ZIP field (go to lunch after this!)
SORT OFF   restore sort to order of entry

FIND "GE" finds record by first field sorted looking for string "GE", searches
   3.2.11   entire disk file

MOVE 5   find record 5 up from currently sorted file
   3.2.12.1
CLOSE ALL Closes all open databases, or current one if CLOSE. Must be done
   3.2.13   before QUIT is entered or records may be lost. See RECOVER.
RECOVER   used when a database was QUIT before close. SOme records may be lost
   3.2.13.1
QUIT   Ends program without closing files

SUM FIELD ;FOR FIELD >5 finds total of all fields specified. If fields are in
             different slots: 2.COST 3.PRICE
   3.5
DISPLAY 5 [ALL] show next 5 or all records on screen
DISPLAY ALL ITEM MFR PRICE ;FOR PRICE > 25

specify fields to display,? conditional that price is > 25. Search
3.5.1   from current record to EOF
         TOP BOTTOM sets file to start or end of data base
PRINTING DATA:
EJECT   go to top of form
PRINTER EPSON loads all codes from Epson file and sends to printer
USE PRINTER Shows data base file of printers and their hex codes, is on TIBAS!
         disk, to modify or add new printer files proceed as in EDIT or APPEND
         file. Do not change structure.

FF	Form feed	LF	Line feed
CR	carriage return	DS	Double strike
UL	Underline	EX	Double width, 1 line
CM	Compressed 17 cha/in.	IT	Italics
B	Bold	SPS	Superscript on
SBS	Subscript on	HT	to next horizontal tab
ST	Set tabs (now 10 only)	NM	Normal Print
BLANK	No current code, may add anything		

         Control codes must be entered in hexadecimal, save with 8F, load to
         printer with PRINTER XXXXX from empty slot
PRINT (CM) send CM code to printer for compressed mode printing
PRINT ALL FIELD1 FIELD2 Print all records selecting field1 and field2
PRINT TYPE (B) PRICE (NM) CODE :PRICE will be BOLD, CODE set to NORMAL
         precede print code in ( ) just before field to print
 3.5.2.1 prints only the current record
COMMAND FILES:
MODIFY COMMAND SORTING :Creates a program of commands to perform on one or
         more databases of up to 50 lines, may call other command files as in
 3.6.1   a series of nested subroutines. Any already listed or following
         commands may be used, including special command file expressions.
DO SORTING execute command file SORTING created and saved on DATDISK
TRACE ON , TRACE OFF allows screen display of commands being executed, also to
         goes to printer, Enter before DO command.
SPACEBAR to pause execution, S to resume execution
9F STOPS EXECUTION OF COMMAND FILE

SPECIAL COMMAND FILE INSTRUCTIONS:
WHILE XXX YYY ENDWHILE executes YYY steps as long as XXX is true
IF XXX YYY ELSE ZZZ   executes YYY if XXX is true, if false does ZZZ
DOCASE CASE A=1 XXX BREAK CASE A=2 YYY BREAK CASE A=3 ZZZ BREAK ENDCASE
         executes first true case,goes to next command line
* any comment follows
         any WHILE, DO, CASE may be nested up to 10 deep
RETURN   last statement in command file
WAIT 5   WAIT 5 SECONDS before continuing execution, 9F to continue

SCREEN DISPLAY COMMANDS:
CLEAR :Clears the screen
SCROLL 5,10 Lines 5 to 10 only scroll during execution
WRITE 5,10,"COST IS ", COST * PERCENT Set cursor to row 5, col 10 and print
         text, variable or field
READ 5,10,COST Cursor to row 5, column 10, read value in field into local
         variable COST. May be numeric or string
READSTRING 5,10,COST : like READ but field must be a string only

DISK MANAGEMENT COMMANDS:

FORMAT   Initialize a disk in DATDISK slot, close all files first
CATALOG DSK1.   Displays disk catalog. 9F stops display, S restarts
COPY DSK1.TEST/C DSK2.TEST/C GO ; copy a file from disk1 to disk2, GO allows
          swap of system disk with another data disk
DELETE DATABASE permanent delete of current database
DELETE FILE SORTING deletes file
DELETE RECORD) 5 Deletes record after PACK command
LIST DSK1.SETUP/C GO ; Prints first 80 char in file
SNAP   Print current screen to printer
MEMORY BFRS   # of empty buffers available
MEMORY USED   # of bytes used
MEMORY LEFT   # of bytes available
MEMORY #FRG   # of fragments of available memory
MEMORY SIZE   Size of largest fragment
CONVERT INPUT-FILE/D OUTPUT-DATABASE   Convert another database to TIBASE:
          current slot not in use
          new database does not exist
          enter input file structure without changing order
          new structure may be smaller than old
          new structure may be larger than old, is filled in with blanks
          when done: USE OUTPUT-DATABASE and RECOVER

CHANGE ADDRHEX VALUEHEX   change memory data
COLOR FORESND BACKGND Change screencolors

The Laws of Computer Programming
reprinted from Southwest ninety-niners

1) There is always one more bug.

2) Any program, when running is obsolete.

3) If a program is useless, it will have to be documented.

4) If a program is useful, it will have to be changed.

5) Any program will expand to fill all available memory.

6) Program complexity grows until it exceeds the capability
of the programmer to maintain it.

From John Calvin Travers Disk Project

Screen Wipe
by Jim Peterson
reprinted from MUNCH June 1988

And a new way to wipe the screen

1 CALL CORNERWIPE(30)

29000 SUB CORNERWIPE(CH) :: FOR T=1 TO 24 :: CALL
        HCHAR(T,3,CH,T+4) :: CALL HCHAR(25-T,32-T,CH,T)
        :: NEXT T :: CALL CLEAR :: SUBEND

    MEMORY FULL