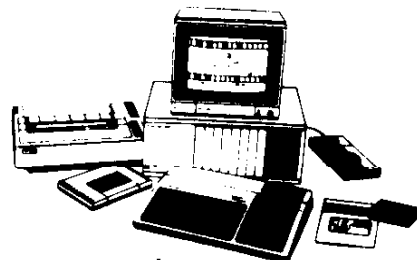


THE DAYTONA 99'ers
Post Office Box 4594
South Daytona, Florida 32021



A users group dedicated to the Texas Instruments brand of home computers.

May 10, 1984

For club info, call evenings,
Dave Taylor 255-0326
Chuck Hargraves 775-4832
(West Volusia)

PRESIDENT'S MESSAGE.....

As promised, April's meeting was somewhat different from last years' meetings. The reaction from those attending was encouraging and indicates that the club is heading in the right direction once again.

After a short business meeting, our guest speaker, Ralph Fowler, shared information regarding CorComps current and forth coming product line. Also included in the presentation was a video tape showing a television documentary of this TI Bulletin Board System (TIBBS), and a demonstration of the Milton Bradley MBX system.

An Atlanta TV station recently interviewed Ralph Fowler working at his bulletin board, and showed all of its TV viewers the bulletin board in action, details, depth, etc.

Due to the length of Ralph's presentation, there was little time remaining to fully utilize our new work stations. The debugging station was actively used, however, with reported success. It is hoped that May's business meeting will conclude quickly, and after a short break, we will be able to branch off into special interest groups centered around these work stations.

We had a fair turnout at our April meeting, and I hope that the attendance will continue to grow in the upcoming months. For that to happen, we need each of you to attend our next meeting, and share firsthand what the Daytona 99'ers can do for you.....See you there!

Dave Taylor

.....TREASURER'S REPORT.....

As of May 1st, the Treasury is as follows:

Checking Account Balance,	\$ 618.19
Dues for deposit	24.00
Petty Cash on hand	40.00
Total In Treasury	<u>\$ 682.19</u>

If you intend to write or debug basic code in extended basic, and you need to scroll the screen when using print statements, either use multiple print lines such as,

```
100 print
110 print      instead of 100 print ::::
120 print
130 print
```

or

place a null string in between the colons, such as,

```
100 print :@$:@$:@$:
```

@\$ is used in this example, as it is easily differentiated from common variables used in basic programs that begin with letters.

David W. Taylor

Forth Fixes.....

Mike McCann of the Omaha 99/er found this bug in the Forth code which inhibits output to the RS-232 port.

In screen #72, on line 5, the variable PAB_ADDR must be changed to PAB-ADDR, that is, change the underline to a minus sign.

Also, Hector Santos of the San Gabriel Valley 99/ers writes that if you are using the parallel port instead of the serial port for your printer, you will need to change the following in line 4 of screen #72.

Change " RS232.BA=9600" to " PIO". Pay special attention to include the space after the first quote.

If any of you come across other bugs in the Forth code, please submit them to our newsletter so we can share this information with other users groups.

David W. Taylor

A question arose from our question and answer period last month that remained unsolved at the close of our meeting. Several people reported that they were getting "garbage" on their screens when they attempted to list their basic code using extended basic in order to take advantage of the extra editing functions found therein.

The garbage results when extended basic interprets the colons used after print statements in basic as line separators used in extended basic.

Pokeing Around.....

Here's a brief list of useful calls you can do to accomplish neat things on your 99/4a. (Note: Peek and load require either extended-basic, minimen or ed/assm module).

Call Peek (-28672,x)

*If x=0 then the speech synthesizer is not attached.

*If x=96 then it is attached

Call Load (-31888,63,255)

New

*Increases available memory by turning off the disk drive

Call Load (-31888,55)

*Turns the disk drive back on

Call Load (-31878,0)

*Shuts off sprite checking so x-basic programs run faster

Call Load (-31806,16)

*Deactivates the FCTN=key!

Call Load (-31931,0)

*Unprotects programs using TI basic protection

(Remember to Call INIT before attempting to Call Load)

By David W. Taylor

STEERING COMMITTEE MEETING.....

This month's Steering Committee meeting was held on Thursday, May 3rd, at 7 pm, at the Island Public Library conference room. Overall operations of the club were reviewed and discussed with emphasis on improving the meetings, the workshops-work stations, the newsletter, etc.

Richard R. Cook, Daytona Beach attorney and Daytona 99/er club member came to the meeting to present the club non-profit charter and to offer a suggested set of by-laws for our club. Our incorporation is now approved and finalized.

A new membership drive was formally initiated. Ways to make non-member TI99/4a owner-users, young and old, aware of our club, its functions and activities, was thoroughly discussed.

Members attending were, Dave Taylor, Ted James, Ed Jennings, and Chuck Hargraves. Also Richard Cook and Brian McGregor. All club members are invited to attend the monthly Steering Committee meetings. First Thursday evening of each month, 7 pm.

.....1984 DUES.....NEW MEMBERSHIP DRIVE.....

All 1983 members that have not paid their \$12 1984 dues, we urge you to mail it in immediately, or pay the dues at this Thursday's meeting. There will be no pro-rata discount on the \$12 this year for members still unpaid.

For new members, the 1984 dues will be \$8 for the remainder of the 1984 year.

This newsletter will be the last issue mailed to any members that have not paid the 1984 dues.

We urge all members to bring a friend to the Thursday evening meeting as a guest. Refreshments will be served, compliments of McDonalds.

We feel that 1984 will be a banner year for our club. Our goal is to double (or more) our present membership. With everyone's interest and support, the work stations, etc., your time and cost will be a good investment.

Door Prizes. We goofed last month but the 5-program door prizes are ready for this meeting. Several will be given away at the meeting.

.....FOR SALE.....WANTED TO BUY.....

For Sale - TI Speech Synthesizer, New, \$65
Call Brian McGregor 258-0348

For Sale - Editor/Assembler Manual \$10
Call Dave Taylor 255-0326

For Sale - Household Budget Management (cartridge)
(or trade) Teach Yourself Extended Basic (cassette)
Teach Yourself Basic (cassette)
Video Chess (cartridge)
Tunnels of Doom (cartridge)
Othello (cartridge)
Hunt the Wumpus (cartridge)
TI Joysticks

All of the above for \$75 or will trade for TI writer
also,
TI Expansion Box, still in carton \$110
Call Rowland Halliday 255-8600 weekdays 9:00 to 5:00

For Sale - Speak & Math (tape) \$8 Math Routine Library (tape) \$8
Household Management \$10 Yatze \$10
Teach Yourself Basic \$18 Teach Yourself Ext-Basic \$16
Call Dr. Bill Holler III Deland 736-0197 evenings

All of the For Sale items will be at the meeting.



The NEW CorComp 99000 EXPANSION SYSTEM

CONTACT BRIAN McGREGOR at 258-0348 for more info.

The NEW CorComp 99000 EXPANSION SYSTEM

Available approx mid April 84'

Approx suggested retail price 549.95

This is a BRAND NEW ultra modern Expansion System designed for the TI 99/4A and for the new CorComp 99000 computer system. It is about half the size of the current TI Peripheral Expansion box but contains twice the power.

Along with the built in powerful System Motherboard that contains the following items, this unit will house two half high disk drives or one full height disk drive.

1. Flex cable interface that is a **small** round cable (not a fire hose) that hooks into the side of the TI 99/4A via a **small L** type connector.
2. RS232 Interface with 2 serial ports and 1 parallel port. The serial ports are TI compatible and the parallel port is a true Centronics output. This allows you to hook up most printers, plotters and modems.
3. 32K of Expansion RAM which will allow you to run TI MULTI-PLAN, TI LOGO, TI WRITER, TI FORTH, PLATO and TI Assembly Language programs as well as larger and more powerful Extended Basic programs.
4. Double-sided Double-density disk controller that will control up to 4 disk drives. This controller has the same powerful features as the 9900 disk controller card for the TI expansion box. (See the sheet on this controller card)
5. Specially designed power supply for low heat and high power. This power supply can easily handle the System Motherboard, 2 Slim Line disk drives and the future auxiliary cards that can be mounted to the motherboard.
6. This motherboard also transmits the system status to the graphic display panel for the following items. Flex cable interface, RS232 interface, 32K RAM, Disk Controller and for **many** other items.

NOTE: More information on the 99000 EXPANSION SYSTEM will be released at a later date.

ITEMS FOR SALE:

MEMORY, 128K with DSR option, Foundation	* 225.00
RS-232, from TI. fits in PE BOX.	* 110.00
DISK CONTROLLER, from TI. fits in PE BOX.	* 195.00
PERIPHERAL EXPANSION BOX, from TI.	* 150.00
DISK DRIVE, single sided, fits in PE BOX.	* 155.00
DISK DRIVE, single sided, with casing, power supply, and cable.	* 205.00
DISK DRIVE, double sided, half high, fits in PE BOX.	* 185.00
CASING AND POWER SUPPLY, for disk drives #2 and #3.	* 52.00
PRINTER CABLE, RS-232 to parallel printer.	* 26.00
PRINTER, GEMINI 10X, dot matrix, like new, with cable.	* 325.00
SPEECH SYNTHESIZER, new in box, from TI.	* 65.00
COLOR TV, 13" (GOLD STAR by K-MART), used only with computer.	* 175.00
COLOR TV, 19" ZENITH, about 5 years old, works excellent.	* 125.00

PACKAGE PRICES AVAILABLE ON ANY OR ALL ITEMS LISTED ABOVE.

contact: BRIAN MCGREGOR AT MEETING OR

CALL 258-0348

P.S. Brian is now also a dealer for the CorComp Hardware for the TI-99/4A

The NEW CorComp

9900 MICRO-EXPANSION SYSTEM

Available end of March 84'

This unit is about the size of two Speech Synthesizers put together (approx 5"W x 5.5"L x 2.8"H) and it can be purchased in the following ways. As a stand alone RS232 only or with the 32K RAM and Double-sided Double-density Disk Controller card installed into it. The 32K RAM and Disk Controller card may be purchased separately and each is easily installed into the Stand Alone 9900 Expansion box.

Suggested retail price:

RS232 Stand alone unit only 149.95

RS232 Stand alone with 32K of RAM and
a Double-sided Double-density disk controller XXX.XX
32K RAM / Disk controller card for RS232 Stand alone box XXX.XX

1. This unit provides an economical method of expanding the versatility of the TI 99/4A home computer. It plugs directly into the side of the computer and eliminates the need for a large expansion box.
2. The RS232 allows both serial and parallel interfacing for printers, plotters and modems.
3. The Disk Controller portion of the 32K RAM / Disk Controller card has the same features as the 9900 Disk Controller card for the TI Peripheral Expansion box. (see the sheet on this controller card)
4. The 32K of memory that this optional board adds to the computer will allow you to run TI LOGO as well as larger and more powerful Extended Basic programs. If you add a disk drive to this unit you can then run TI FORTH, TI WRITER, TI MULTI-PLAN, PLATO and TI Assembly Language programs.

Maybe This Will Help

by C. Richard Bryant

Two meetings ago I heard a plea for simpler more useful information for the programmer using console basic. After some thought, I decided to write a short program to demonstrate some useful routines.

This program uses three nested loops and tests to see if numbers satisfy the Pythagorean Theorem ($A^2+B^2=C^2$) for integer values of A and B in the range 1 to 100. Having found these numbers (A, B, and C) they are displayed on the screen right justified in three columns.

The right justify routine should give us a little to think about and the program itself takes huge amounts of time so as to prod us to write it in other languages in an attempt to speed it up.

I have written this program in LOGO, BASIC, EXTENDED BASIC, PASCAL, FORTH, and 9900 ASSEMBLY LANGUAGE and if desired, I will provide a demonstration and discussion of each at this month's meeting.

Here is the BASIC version, you take it from there.

Richard



```

90 REM ( PYTHAGOREAN TRIPLES - WRITTEN
IN BASIC )
100 PRINT TAB(3);"Have patience this
takes":TAB(7);"nearly 35 minutes":
110 PRINT TAB(6);"PYTHAGOREAN
TRIPLES":TAB(6);" A      B
      C":
120 FOR A=1 TO 100
130 FOR B=A TO 100
140 FOR C=B+1 TO 142
150 TRY=A*A+B*B-C*C
160 IF TRY=0 THEN 220
170 IF TRY<0 THEN 190
180 NEXT C
190 NEXT B
200 NEXT A
210 STOP
220 PRINT TAB(8-LEN(STR$(A)));STR$(A);T
AB(16-LEN(STR$(B)));STR$(B);TAB(24-LEN(
STR$(C)));STR$(C)
230 GOTO 170

```

PROGRAM TIPS - By John Martin

Rounding Off (\$29.94214867111)

Here is a simple routine for getting your computer to round off numbers instead of just giving the INTEGER. It can be used to round to the nearest whole number or to any decimal.

For rounding to whole numbers, use this line at the beginning of your program:

```
10 DEF R(X)=INT(X+.5)
```

When you want to round a number, just insert its variable name in the parenthesis. For example, to round the variable Q and PRINT it, the format would be PRINT R(Q)

If you want to round to some decimal value, the DEF statement would be modified like this:

For one decimal place:

```
10 DEF R(X)=INT(10*X+.5)/10
```

For two decimal places:

```
10 DEF R(X)=INT(100*X+.5)/100
```

And so on.....

If your program requires rounding some variables to whole numbers and some to decimals, simply use multiple DEF statements.

I use R(X) for whole numbers, R1(X) for tenths, R2(X) for hundredths, etc.

```

10 DEF R(X)=INT(X+.5)
20 DEF R1(X)=INT(10*X+.5)/10
30 DEF R2(X)=INT(100*X+.5)/100

```

A membership application is enclosed with your newsletter. Please give it to a friend.....we are asking that each club member enroll one new member in this membership drive.
