

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



A Users group dedicated to the Texas Instruments brand of home computers.
Club Telephones, evenings: 255-0326 Dave Taylor, 775-2498 Chuck Hargraves

PRESIDENT'S MESSAGE...

It's election time again. In our discussion at the last meeting, it was decided that we would place a description of the vacant positions and an application that can be mailed in to place your name on the ballot for the elections in January. Both of these can be found in this newsletter, and I encourage all of you to run for these offices. Please submit these applications before December 7th, or contact me by phone before the December meeting so I can be sure to have your name registered on the ballot. It is my hope that several of our energetic newcomers will obtain the directing offices this year. I feel that it is these people who have the best ideas as to how to keep the club directed toward the novice user. Rest assured that the rest of us will continue to be active and involved in the clubs future.

And lest we forget, it's also time to renew memberships. Current memberships expire at the first of the year. The Steering Committee requests that we all renew our memberships prior to the first of the year so we can begin budgeting for the new year. We also plan on doing a mass mailing to our inactive membership in December (what better gift than a subscription to this outstanding periodical!). The January newsletter will be the last one mailed to those who have not renewed their membership. Individual copies of these newsletters will be made available at our meetings for \$1.00, which may be applied towards membership during the year.

I look forward to seeing all of you at the next meeting.

David W. Taylor

NO REPLIES, ONLY REGRETS

Rowland Halliday, one of the few regular contributors to this newsletter, informed me this evening that he failed to receive even one entry into his programming contest. I was not surprised at this however, as this level of apathy has become common place during the last year. As a further example of this apathy, I must sadly announce that I cannot print the results of our last month's questionnaire, because no one (read 0) bothered to send it back. I would have thought that at least the fellow who proposed the idea of the questionnaire would have replied! I regret that we have fallen so far in spirit when the club has need of it most. However, we are not alone. I read every newsletter we receive from other clubs and many are experiencing similar problems. I am beginning to see the day approach in which the club is little more than a monthly meeting place and a single sheet newsletter.

Think about YOUR involvement in this club and choose to get involved before the choice is made out of necessity.

BEGINNER'S GROUP IN WEST VOLUSIA?

One of our newer members, Frank Taylor, is interested in organizing a monthly meeting for beginners at his home in Deland. The date has not been set at this time, but the 1st thursday of each month has been suggested. This gathering would be for those members who have no idea what to do with their 99/4a, through those that are just beginning to program. More experienced members are encouraged to come and help the others. Each person in attendance should bring his/her computer, t.v. and a cassette deck if possible.

If you might be interested in this meeting, please contact Frank Taylor at 736-8232. Perhaps if enough interest is generated we could begin this gathering next month.

REVIEW: AUTO SPELL-CHECKER BY DRAGONSLAYER SOFTWARE

I have been fortunate recently in having been provided with a copy of the updated (read non-crashing) version of the new spelling checker program for review. This program is intended to be used as a utility with the TI-Writer module, but can be used with the E/A module as well. In addition to one of these modules, a compatible system must include at least one disk drive and expansion memory. The program allows for the creation of an unlimited number of user developed dictionaries to supplement the 20,000 word dictionary provided.

DOCUMENTATION: good

The instructions provided with the software comes in a booklet that is slightly larger than a book of matches. This makes it handy to reference while sitting at the keyboard, although one use of this program should be enough to dispense with the manual all together. The program uses prompts which make the manual unnecessary for all but the first time user.

EASE OF USE: very good

In a system using only one single sided, single density disk drive, full use of this program requires several disk swaps. A double sided or double density drive eliminates this inconvenience however. As previously stated, the prompts make stepping through this program a breeze. I wish an option had been provided that would automatically search for user dictionaries on the disk. This would eliminate typing in the file name to each user dictionary you would like to use. The author, Thomas Kirk has allowed the user to make backup copies of this software, which is to be commended in this day of pirate cautious writers. Reports are that Tom is selling copies of this program as fast as he can ship them, so apparently this approach isn't hurting him.

USEFULNESS: very good

I guess the overall usefulness of this program will depend on how many documents the user writes and how typo-prone or how poor a speller the user is. I must confess that I originally thought that this program would offer the correct spelling of the identified misspelled word. It unfortunately does not, and I recommend that the user keep a dictionary handy. I also found the program less useful with the E/A module, as there is no capacity to reformat your document once the program has broke it up to accommodate corrections that are longer than the words they replace.

I am pleased overall with this software and recommend it highly. The new version will now accept the @ symbol used in TI-Writer without crashing. This program is a good example that talented software authors are continuing to support the TI-99/4a, and I look forward to many new software releases from Dragonslayer Software in the future.

David W. Taylor

Tidbits
by
Rowland W. Halliday

Well, well, I gave a contest and nobody came. That's right folks, there were no entries to last months TI Tidbit Talent Test!! Just think , if you had just put 100 REM 200 END on a 13 cent Post card you would have been the only entrant and would have won the contest. You would have had a neat little game on tape, and even if you didn't like the game, where else could you get a cassette tape for 13 cents?? Of course the contest could have been too tough to tackle, I mean it's difficult to fill up a Postcard!! Maybe I should ask Ralph Fowler if he can do it. Maybe I should have charged an entry fee. Maybe I should get out of the contest business. I think I will!!!

You may remember that last month I left you in suspense as to which was going to arrive in my mailbox first, the September issue of HOME COMPUTER MAGAZINE, or the Programs from the August issue that I sent for. The suspense is over, the September issue arrived first. After another two week wait I wrote to HCM and asked about the August Programs. I received a form letter thanking me for my inquiry.(Do you believe that?) The letter went on to say that they had discovered a bug in one of the Programs and there was a delay in sending out the order. If I didnot receive my Programs in six weeks I should contact them. Well, I received the Programs, Now I am waiting for the the October issue!!!

Which reminds me, DON'T EVER, REPEAT, DON'T EVER type in a Program from a magazine for at least three months after you get the magazine. By that time you will be able to check their corrections to see where they screwed up. Thereby saving yourself countless hours of trying to get a Program to run that couldn't run in the first Place.

That's enough grousing for one month let's get on to something Positive.

I received in the mail a couple of weeks ago a sample copy of a Publication called MICROpendium. I immediately sent in my subscription order and asked for all back issues. I received them less than a week after ordering them.(Stick that in your computer HCM!!!)

MICROpendium covers "The TI99/4A Home Computer And Compatibles", and they do cover it. What is really neat is going through the back issues and reading what took Place after Texas Instruments quit on the 4A. There are articles, rumors and Predictions, and you are able to see from one issue to next which were true, which were false, and which were put on hold. Let me give you some examples. The first issue of MICROpendium was February 1984.(At that time it was called Home Computer COMPENDIUM). An article titled "DREAM MACHINE?" talks about Cor-Comp Inc. Producing the 99/64, nicknamed the PHOENIX, and how they expected to have it on the market in March. A followup article in the March edition of HCP, "PHOENIX TO HATCH SOON", quoted a spokeswoman for COR-COMP as saying that 1,000 display models would be distributed to dealers by the end of March, with mass production scheduled for April. The April edition article, "WHITHER HAS THE PHOENIX FLOWN?" tells that the "new management team" has indicated the PHOENIX has been returned to research and development.(I wonder if the spokeswoman that talked about those 1,000 display models is still with COR-COMP?) An article in the May edition tells about COR-COMP introducing a double density card and 2 expansion systems, but COR-COMP made no reference to the PHOENIX.

Rather than tell you what MICROcompedium is, let me give you the editor's own words from the first issue.

"As you can see, HCC is not a slick, high priced magazine. Nor is it a clever merchandising scheme. We have no intention of selling you, the reader, anything but this magazine....We will strive to do only one thing well...It is a conduit, a source of information and a vehicle for the dissemination of information...It is also unique among computer publications inasmuch as it operates under newspaper-type deadlines. All of our schedules revolve around the goal of providing up-to-date articles and news. We have the capability of going to press within a day of completing a late-breaking story....Each edition will also include a minimum of six staff-produced reviews of software, hardware and other items designed for use with the TI home computer. They will be unbiased, consumer-oriented reviews with an opportunity for rebuttal on the part of the vendors....."

The Publisher is John Koloen and the Editor is Laura Burns. Between them they have produced and excellent "vehicle for the dissemination of information." It is all TI and the articles and reviews are well written. There is information from TI user groups, tips on programming, news, and reviews and just about anything you could want from a publication devoted exclusively to the TI99/4A. I'll just wet your appetites a little more with some titles from the articles in a few of the issues: USERS GROUPS ADJUST; WHAT WE NEED IS A GOOD DATA BASE PROGRAM; TIBBS; ANOTHER EXPANSION SYSTEM; WHY KEEP YOUR TI; ESCAPE WITH TI-WRITER; AMERISOFT INTRODUCES COMPILER.

Some of the reviews have been on: TANDON TM-100 DISK DRIVE; PROWRITER 8510 PRINTER; 99/4A AUTO SPELL CHECK; QUICK-COPY; WYCOVE FORTH; ZORK1; COMPANION WORD PROCESSOR and Q&BERT, just to name a few. I could go on, but you get the idea. I will bring copies of MICROpendium to the next meeting for your perusal, but I better quit for now. Oh! If you want to subscribe the rate is \$12.00 for twelve issues via third class delivery or \$15.50 for first class delivery. Back issues are \$1.00 each for 3rd class or \$1.30 each for first class delivery. The first issue is FEBRUARY 1984. The current issue is NOVEMBER 84. The address is:

MICROpendium
P.O. Box 1343
Round Rock, Texas 78680

In closing let me say that perseverance paid off. I found someone who had a TI-WRITER to trade and I am now enjoying the benefits of this neat program. I hope you are too.

If you do subscribe to MICROpendium tell them ROWLAND sent you. You never know, I might need a plug from them sometime.

BYte for now!!!!!!!!!!!!

UPDATE: CONVERTING MODULES TO DISK

I Have spent several hours exploring the technique of converting programs found in modules into disk based versions. Although the process is fairly straight forward (albeit time consuming!) it is apparent that success is unlikely for all but the most experienced of Assembly programmers. The difficulty lies in that disassemblers (used in the conversion) attempt to make data statements into executable instructions. Let me briefly describe the steps involved for those of you that have not tried this yet.

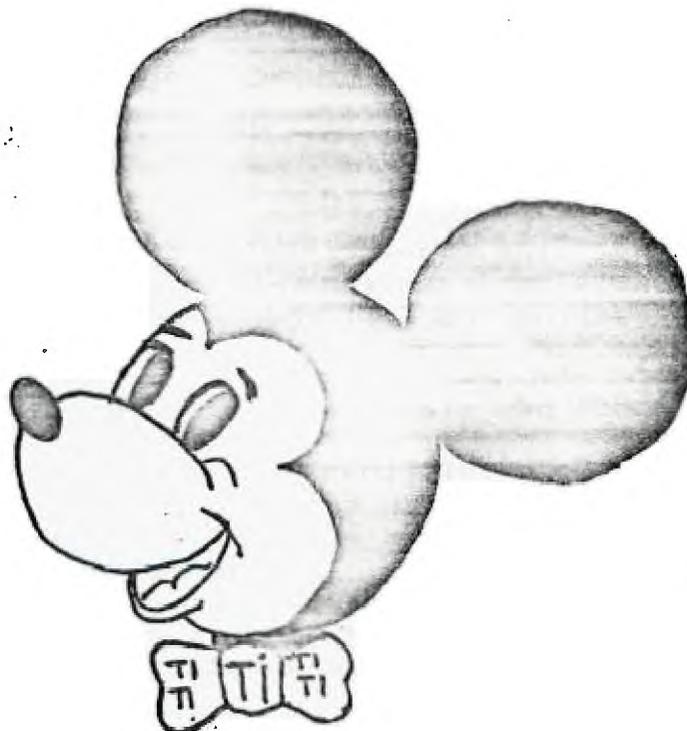
1. Disassemble the ROM only (Sorry, no GROMs) module in 4 2K parts.
2. Convert these files into standard editor format (ask me for this basic program at the meeting).
3. Replace all >6000 and >7000 series addresses to >A000 and >B000 series addresses using the replace command.
4. Use copy directive to assemble the 4 parts together into object code.
5. Load and Run...then watch it crash!

What went wrong? Perhaps you changed what you thought was an address reference but was actually a data statement used in some essential calculation. Or perhaps the program starts elsewhere.

In my attempt to convert my Atari Defender module, I found that to be able to discern if, a number (such as >6FFF) found in a program area that was obviously a data area was an address, I had to understand where and how that number was to be used. No small task in an undocumented 8K assembly program!

I will be happy to share information on this process with anyone who is interested in trying it, but I am not masochistic enough to continue to attempt to debug this program that I already bought, nor do I think it to be as practical as many believe it to be to bootleg modules in this way.

David W. Taylor



Our Mouse

sm

BASIC GOT YOU BUGGED?

Try typing in this handy routine courtesy of Jim Peterson of Tigercub Software.

```
1 FOR @=1 TO 4
2 CALL COLOR(@,16,1)
3 NEXT @
4 GOTO 4
```

Add these temporary lines to the beginning of any program you wish to debug. Next type LIST and when the first line nears the top of the screen press FCTN 4 to stop the listing. Next type RUN and watch all the numbers and punctuation turn white. This should make it easier to detect if you used O's for o's, I's for I's and vice-versa. It also makes matching up parentheses and quote marks easier. To debug the next set of lines just break by pressing FCTN 4 then list- and the number of the first line number you want to see. Stop using FCTN 4 again then RUN, etc.

We have used tips like these from TIGERCUB SOFTWARE in past newsletters, and I would like to thank Jim Peterson for allowing us to reprint them. Jim runs a "Kitchen Table Enterprise" and has several hundred original basic and x-basic programs for \$3.00 each. I recommend that anyone who is interested in the best software deal around send Jim \$1.00 for his program catalog. The buck is refunded on your first purchase. The address is: 156 Collingwood Ave. Columbus, Ohio 43213 (614) 235-3545.

The last 15 issues of the TIGERCUB TIPS are available in our lending library.

David W. Taylor

NEWS....

My recent call to the editor of the Pittsburg users group has made me wonder if the rumor of a new VDP chip capable of 80 columns is true. Darren read to me out of a technical manual on the 9128 chip and there was no indication of any high resolution modes or 80 column capacity. I'll keep you informed as I find out more.

Want to change the speed at which your cursor flashes? Type in this line:
CALL INIT::CALL LOAD(-31748,N) where N=0 to 255.
0=no flash, 1 is normal and 2+ is faster. Try it.

More from the TIGERCUB. Tips #16 arrived in time for this printing. Also forwarded by Jim was the catalog I mentioned elsewhere in this newsletter. It will be available at the meeting and will then become part of the lending library.

M & T Software will soon be releasing four new utility programs for the 99/4a. They are...

1. Disk Mapper: Yields more info than disk-fixer programs.
2. Disk Manipulator: Enhanced Disk repair program.
3. TE-128K: Uses 128K card to spool upto 72 minutes of text at 300 baud.
4. Disassembler: Seems to be another standard one.

Only the disk Mapper has been released at this time, with the rest to follow. Also proposed for future release are such goodies as a memory, disk and RS232 diagnostics programs, a forth disassembler, and many more. More info will be available at the meeting.

I called Foundation Co. today for an update on the fix promised over a year ago for their 32K card to make it compatible with disk based text to speech. No good news. As far as they know there has been no progress in finding a solution to this problem. I'm not convinced that they are even looking.

More later, D.T.

TIPS FROM THE TIGERCUB

#16

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TIGERCUB SOFTWARE
156 Collingwood Ave.,
Columbus OH 43213

Distributed by Tigercub Software to TI-99/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit Users' Groups, with credit to Tigercub Software.

These Tips are being mailed, together with my new catalog #5, to every Users Group that I know of. I hope that you will make both the Tips and the catalog available to your membership. I am sorry that I cannot take out paid ads in your newsletters, but to advertise in each one of them would cost me more than I have made in the past 6 months, and I would not get enough business to break even.

If you would like to continue receiving these Tips, put me on the mailing list for your newsletter, and give me some indication that my Tips are really reaching your members and not going into someone's private file. If I receive enough business from this mailing to pay for its cost, I will then continue to send you my Tips. If not, this will be the last issue of the Tips from the Tigercub.

Copies of my catalog are available for \$1.00, which is deductible from your first order. I have over 130 absolutely original quality programs in Basic, many of them now also available in XBasic, on cassette or disk for only \$3.00 each plus \$1.50 per order for cassette, package and postage, or \$3.00 for diskette, package and postage (higher overseas). I give one-day service, I give bonuses for repeat orders, I give bonus programs on diskette orders.

In addition, any User's Group member who mentions his/her users' group when sending me an order before 1 Jan. 1985 may deduct 10% from the cost of the programs.

Tips from the Tigercub #1 thru #14 are now available, with more added, as a diskfull of 50 programs, routines and files for only \$15 postpaid.

I have also now completed my NUTS & BOLTS disk of 100 XBasic utility subprograms in MERGE format, ready to merge into your own programs, for just \$19.95 postpaid.

In The last Tips, I mentioned that I wished I knew who to credit for that remarkable routine to redefine the cursor. Dave Peden has written me that credit should be given to Terry L. Atkinson of 28 Savona Ct., Dartmouth, NS B2W 4R1 CANADA.

And I would like to strongly recommend that you support the 99'ers Users Group Association, 3535 So. H st., #93, Bakersfield CA 93304. They are a strictly non-profit group, devoting a lot of time and effort to helping us all, and they publish a great newsletter..

Every Tips must include a bit of music, and my grandson has requested that I pass this one on to all other two-year olds.

```
100 !ALPHABET SONG - by Jim Peterson
110 DIM N(21)
120 CALL MAJORSKALE("C",N())
130 CALL SCREEN(5):: DISPLAY
  AT(24,1)ERASE ALL:"READY -
  TYPE THE ALPHABET" :: CALL M
  AGNIFY(2)
140 CALL KEY(3,K,ST):: IF (S
  T<1)+(K<65)+(K>90)THEN 140 :
  : CALL SPRITE(#1,K,16,96,120
  ):: IF K=87 THEN GOSUB 220 E
  LSE GOSUB 200
150 IF (K=90)*(FLAG=0)THEN 1
  60 ELSE 140
160 FLAG=1 :: M$="C115566D5C
  443322D1" :: T=150
165 FOR J=1 TO 18 :: CALL SP
```

```
RITE(#J,64+J,INT(11*RND+6),9
6,128,J*5,J*5)
170 X=ASC(SE6$(M$,J,1)):: IF
  X>58 THEN T=150*(X-64):: 60
  TO 190
180 X=X-48 :: CALL SOUND(T,N
  (X),0)
190 NEXT J :: FLAG=0 :: CALL
  DELSPRITE(ALL):: GOTO 140
200 Y=VAL(SE6$("115566544332
  22215543325332",K-64,1))
210 CALL SOUND(500,N(Y),0)::
  RETURN
220 CALL SOUND(500,N(5),0)::
  CALL SOUND(500,N(5),5):: CA
  LL SOUND(500,N(4),0):: RETUR
  N
230 SUB MAJORSKALE(K$,N())
240 F=VAL(SE6$("110123131147
  165175196",FOS("ABCDEFGF",K$,
  1)*3-2,3))
250 C$="101011010101010101
  0101101011010101"
260 FOR J=1 TO 36 :: IF SE6$
  (C$,J,1)="0" THEN 280
270 X=X+1 :: N(X)=F*1.059463
  094^(J-1)
280 NEXT J :: SUBEND
```

Lines 230-280 of that routine are an example of the kind of handy-dandy subprograms you will find on my Nuts & Bolts disk.

We haven't had a Tigercub Challenge for some time, so -

How can you store a hundred or more values of any size, positive or negative, integer or non-integer, even in exponential notation, without dimensioning an array or opening a file?

Now, how can you link your program to another by a RUN statement, thereby losing all data, and recover those values? Yes, I know you can save them on the screen and read them back, but can you find a better way?

Here's a little demo program of how motion can be created by the repetitive redefinition of characters. I call it ETERNITY.

```
100 CALL CLEAR :: CALL SCREE
  N(2):: CALL COLOR(1,16,1)::
  CALL CHAR(33,"",34,"",35,"",
  36,"")
120 FOR K=1 TO 12 :: CALL HC
```

```

HAR(R,R+4,33,26-R#2):: NEXT
R
150 FOR K=13 TO 24 :: CALL M
CHAR(R,29-R,34,(R-12)#2):: N
EXT R
180 FOR C=5 TO 16 :: CALL VC
HAR(C-4,C,35,34-C#2):: NEXT
C
210 FOR C=17 TO 28 :: CALL V
CHAR(29-C,C,36,C#2-33):: NEX
T C
225 FOR J=0 TO 7 :: A$(J+1),
B$(8-J)=SEB$( "00000000000000
",1,2#J)&"FF" :: NEXT J
230 C$(1),D$(8)=RPI$( "80",8)
:: C$(2),D$(7)=RPT$( "40",8):
: C$(3),D$(6)=RPT$( "20",8)::
C$(4),D$(5)=RPT$( "10",8)
240 C$(5),D$(4)=RPT$( "08",8)
:: C$(6),D$(3)=RPT$( "04",8):
: C$(7),D$(2)=RPT$( "02",8)::
C$(8),D$(1)=RPT$( "01",8)
250 FOR C=2 TO 15 :: FOR J=1
TO 8 :: CALL CHAR(33,A$(J),
34,B$(J),35,C$(J),36,D$(J)):
: NEXT J :: CALL SCREEN(C)::
NEXT C :: GOTO 250

```

Next, I would like to share with you a gem of a "why didn't I think of that" routine which John Taylor sent me.

```

100 ! 28 COLUMN TEXT ROUTINE
IN EXTENDED BASIC (EASILY
CONVERTED TO BASIC) BY JULIE
PACK, B.U.G., P.O. BOX 1402
PALM BAY, FL 32906
110 ! ENHANCED BY JET
SHOALS 99'EKS, P.O. BOX 2928
MUSCLE SHOALS, AL 35662
120 CALL CHAR(64,"00282828")
130 ! PROGRAM TO COPY STARTS
HERE
140 CALL CLEAR :: X=-1
150 RESTORE
160 IF X>=21 THEN X=1 :: CAL
L WAIT
170 READ MESS$
180 IF MESS$="P" THEN DISPLA
Y AT(X+2,1):Z$ :: X=X+4 :: Z
$="" :: GOTO 160
190 IF MESS$="ZZZ" THEN DISP
LAY AT(X+2,1):Z$ :: CALL WAI
T :: END
200 IF LEN(Z$)>0 THEN MESS$=
Z$&" "&MESS$
210 X=X+2
220 IF X>=21 THEN X=1 :: CAL
L WAIT

```

```

230 IF LEN(MESS$)<29 THEN DI
SPLAY AT(X,1):MESS$ :: Z$=""
:: GOTO 160
240 FOR A=1 TO 29
250 I=POS(MESS$," ",A)
260 IF (I=0 OR I>29)AND A=1
THEN A,J=29 :: GOTO 290
270 IF I=0 OR I>29 THEN A=29
:: GOTO 290
280 J,A=I
290 NEXT A
300 IF X>=21 THEN DISPLAY AT
(X,1):SEB$(MESS$,1,J-1):: X=
-1 :: CALL WAIT :: GOTO 320
310 DISPLAY AT(X,1):SEB$(MES
S$,1,J-1)
320 IF SEB$(MESS$,J,1)=" " T
HEN I=1 ELSE I=0
330 Z$=SEB$(MESS$,J+1,163)::
MESS$=Z$ :: IF LEN(Z$)>28 T
HEN X=X+2 :: GOTO 240
340 GOTO 160
350 DATA "THIS SHORT ROUTINE
WILL ENABLE YOU TO WRITE LO
NG TEXT MATERIAL IN YOUR DAT
A STATEMENTS SO YOU WON'T HA
VE TO WORRY ABOUT COUNTING"
360 DATA "THE LENGTH OF YOUR
SENTENCES ALL THE TIME. TH
IS ROUTINE WILL AUTOMATICALL
Y EDIT YOUR TEXT TO FIT A 28
COLUMN SCREEN."
370 DATA "A SUGGESTION- IT I
S A GOOD IDEA TO PUT A QUOTE
AT THE BEGINNING AND END OF
THE DATA STATEMENTS SO YOU
WON'T HAVE TO WORRY ABOUT"
380 DATA "COMMAS LIKE THIS ,
, AND THEY WILL REMAIN IN Y
OUR TEXT PROPERLY."
390 DATA "THIS ROUTINE WILL
ALSO CLEAR THE SCREEN (WHEN
FILLED) AND CONTINUE READING
YOUR DATA AND DISPLAYING YO
UR TEXT ON THE NEXT SCREEN."
400 DATA P
410 DATA " TO START A NEW P
ARAGRAPH ENTER THE LETTER @P
@ AS A SEPERATE DATA STATEME
NT, THEN INDENT YOUR TEXT ON
YOUR NEXT NEXT DATA"
420 DATA "STATEMENT 2 OR 3 S
PACES (IF DESIRED).",P,"TO S
KIP LINES",P,"JUST ENTER @P
@",P,"WHERE EVER YOU WANT TO
",P,"SKIP."
430 DATA P,"MAKE SURE THAT Y
OUR VERY LAST DATA STATEMENT

```

```

IS @ZZZ@. AND JUST REPLACE
THESE DATA STATEMENTS WITH"
440 DATA "YOUR OWN.",P,"YOU'
LL ALSO FIND THIS ROUTINE IS
MOST USEFUL WHEN CONCATENAT
ING STRINGS, E.G., @ELIZAE T
YPE PROGRAMS-",P
450 DATA "AN EXAMPLE:",P,"A$
=@JACK AND JILL WENT UP@", "B
$=@THE HILL TO FETCH A@", "C$
=@PAIL OF WATER.@", "D$=A$&B$
&C$&D$", "PRINT D$",P
460 DATA "JACK AND JILL WENT
UP THE HILL TO FETCH A PAIL
OF WATER.",P,P,P,"HAPPY PRO
GRAMMING!"
470 DATA ZZZ
480 SUB WAIT
490 DISPLAY AT(24,8):"PRESS
ANY KEY"
500 CALL KEY(0,K,S):: IF S=0
THEN 500 ELSE CALL CLEAR
510 SUBEND

```

Thank you, Julie and John. This is becoming one of the most useful routines on my utility disk. I was preparing a disk of PD programs for our UB library. Some of them needed extra instructions, so I typed them out on TI-writer, so that people could run them off on their printer. Then I remembered that some folks don't have printers. So -

```

50 CALL CLEAR :: INPUT "FILE
NAME? DSK1."?:F$
60 DIM B$(150):: OPEN #1:"DS
K1."&F$,INPUT, DISPLAY ,VAR
IABLE 80
70 A=A+1 :: LINPUT #1:B$(A)
80 IF EOF(1)=1 THEN B$(A+1)=
"ZZZ" ELSE 70

```

and change line 170 to -

```

170 @=@+1 :: MESS$=B$(@)

```

And there you have a quickie program to check out those DIS/VAR 80 files that show up on your disks under filenames that you can't remember using.

MEMORY FULL IN LINE 32767

"BUMPER" by David W. Taylor

* This routine will "bump" lowercase letters to upper case.
 * It will be useful in programs that use disk files.
 * Access this routine using CALL LINK("BUMPER",N\$) where N\$ is the string
 * to be converted to upper case. There is a Maximum string length of 255
 * characters. Extended Basic Equates are used but can be changed for
 * Minimm Version

```

DEF BUMPER
STRASG EQU >2010
STRREF EQU >2014
ABF BSS 256           String Buffer
SAVRTN BSS 2         Save return address to basic
HI BYTE >7A         ASCII Hex equivilent of "z"
LOW BYTE >61        " " " " "a"
TF1 BYTE 255       Max string length
TTW BYTE 32        Decimal 32
*
BUMPER MOV 11,@SAVRTN   Copy return address into SAVRTN
      MOVB @TF1,@ABF   load max len. into 1st byte of buffer
      CLR 0
      CLR 3
      LI 1,1           indicate 1st parameter in LINK statement
      LI 2,ABF        indicate where the receiving buffer is
      BLWP @STRREF    put string into buffer
      MOVB @ABF,3     lenght of string has replaced 255 in 1st byte
NEXT  SWPB 3          of buffer. copy this into reg. 3 as word value
      DEC 3           Loop begins. subtract 1 from reg. 3
      JLT OUT        if reg.3<0 then goto OUT
      INC 2          examine 1st letter of string
      CB *2,@LOW     if ascII(character)<97 then NEXT loop
      JL NEXT
      CB *2,@HI      if ascII(character)>122 then NEXT loop
      JH NEXT
      SB @TTW,*2     Subtract 32 from ascII value of the character
      JMP NEXT      Do next character
OUT  LI 1,1         indicate 1st parameter in link statement
      LI 2,ABF      indicate location of buffer
      BLWP @STRASG  put contents of buffer into the string
      MOV @SAVRTN,11 load return address into reg. 11
      CLR 0
      MOVB 0,@>837C clear GPL status byte to indicate no errors
      B *11         return to basic
      END          "thats all folks"
  
```

NEW PROGRAMS - Available at the club meeting....\$5 each, a bargain...

1. TI-Writer enhancement
2. TI-Multiplan enhancement
3. Forth 2 plus Forth sourcecode (430 sectors)
4. Assembly language disassembler and singlestep debugger.

*Please bring preinitialized disks, ss/sd or ds/sd okay.

ITEMS FOR SALE:

EXTENDED BASIC, a rare item, used,	\$ 95.00
MINI MEMORY, SPECIAL PURCHASE, while they last,	\$ 79.00
MEMORY, 32K CORCOMP fits into P.E.BOX	\$ 139.00
RS-232, from CORCOMP fits into P.E.BOX	\$ 110.00
DISK CONTROLLER CARD, T.I.	\$ 139.00
DISK DRIVE, double sided, TEAC, NEW, half high, half power	\$ 199.00
DISK DRIVE, double sided, WITH power supply & cable, new TEAC	\$ 255.00
DISK DRIVE, ORIGINAL T.I. STYLE fits into P.E.BOX	\$ 125.00
DISK DRIVE #2, SSDD, with case & power supply	\$ 155.00
T.I.EDITOR ASSEMBLER, NEW,	\$ 43.00
PRINTER CABLE, RS-232 to parallel printer.	\$ 24.00
PRINTER, STAR DF-8480 new with cable.	\$ 245.00
PRINTER EPSON RX-80 F/T used once with cable	\$ 299.00
CORCOMP RS/232 STAND ALONE INTERFACE, expandable, (will house 32K memory & disk controller options)	\$ 139.00
EXTENSION CABLE, P.E.BOX, allows relocation of speech synthesizer	\$29.00
CHECK CARRIER, runs your checks thru your printer	\$ 16.00
"COPY-CAT(TM)" DISK COPY PROGRAM, copies by sector,	\$ 19.00
PAPER CARRIER, use bond paper in your tractor printer.	\$ 14.00
PEWTERWARE SOFTWARE, \$ 9.95 each or 2/\$ 16.00, 3/\$22.00, 4/\$25.95 (ask about free software with purchase over \$100.00.)	
JOYSTICK ADAPTER, allows use of ATARI joysticks.	\$ 8.00
T.I.WRITER WORD PROCESSOR, new use with expan.sys.& printer	\$ 75.00***
T.I.MICROSOFT MULTIPLAN, new, use with expan.system & printer	\$ 95.00
T.I.LOGO I, Sprites & more, complete, NEW,	\$ 59.00
DUST COVERS, for T.I. console	\$ 8.00
SPEECH SYNTHESIZER,	\$ 65.00
A.C. OUTLET STRIP, Surge protected, switched, fused	\$ 20.00

all new items are under factory warranty. I will guarantee any used items.

PACKAGE PRICES AVAILABLE ON ANY OR ALL ITEMS LISTED ABOVE. ADD 5% STATE TAX.
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 following is a brief description of the offices open in the next election.

PRESIDENT: The president presides over our monthly meetings and helps determine the direction the club will take during his term. The president also may act in other capacities such as a program librarian.

VICE-PRESIDENT: Serves the above functions in the absence of the president. This position is currently hard to define as the club has operated without one for the past year.

SECRETARY: Takes the minutes of both the club meetings and the Steering Committee meetings. Also has coordinated the refreshments at our monthly meetings.

TREASURER: Keeper of the cash. Duties include enrolling new members, taking program orders and disbursing funds.

The following are non-elected positions that anyone may volunteer for.

- Newsletter Editor
- Membership Chairperson
- Newsletter Staff Writers
- Steering Committee Chairperson
- Special Interest Group Chairperson
- Program Librarians

Let's all give a little time to our club and fill these positions!

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*****
* I Wish to register and/or volunteer *
* for the following positions *
*
* NAME: ----- *
*
* please check *
*
* 1. PRESIDENT ---- *
*
* 2. VICE-PRES. ---- *
*
* 3. SECRETARY ---- *
*
* 4. TREASURER ---- *
*
* 5. OTHERS: PLEASE SPECIFY ----- *
* ----- *
* ----- *
*****
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CLUB INFORMATION -

The Daytona 99'ers (Daytona 99'ers Computer Club) is a non-profit computer group (members) for people interested in the Texas Instruments brand of home computers. The Users Group began in 1982.

Membership dues are \$12 per year, and entitle the member to order from our low-cost program tape library, receive the monthly newsletters, and attend the monthly meetings which will now include a work session, workshop at each meeting for the very new TI owners, the intermediates, etc.

The monthly group meeting is held at the Daytona Beach Community College Conference Center (Building 16, Room 111). This is the building facing US 92, and has plenty of parking space.

The meeting is held on the 3rd Thursday of each month at 7 p.m. Interested non-members are invited to attend and are encouraged to join the Club. At each meeting, there will be a short business session, free door prizes (taped programs and games), free refreshments, and best of all, two workshop worksessions, one for the new owners, the more advanced, etc.

1984 OFFICERS -	President:	Dave Taylor	255-0326
	Secretary:	Dona Harper	677-1568
	Treasurer:	Chuck Hargraves	775-2498 (904)
	Deland Correspondent:	Tom Strahen	985-4583 (904)
	Newsletter Editor:	Dave Taylor	255-0326 (904)

Daytona 99'ers Computer Club (Users Group)
P. O. Box 4594
South Daytona, Florida 32021

FIRST CLASS MAIL

EDMONTON 99/4 USERS GRP
P.O. BOX 11983
EDMONTON ALBERTA T5J-3L1

WE HAVE NOT EXCHANGED A CLUB NEWSLETTER WITH YOU LATELY. IF YOU WISH TO BE ADDED TO OUR MAILING LIST, PLEASE SEND YOUR NEWSLETTER BY 2/1/85.

ADDRESS CORRECTION REQUESTED