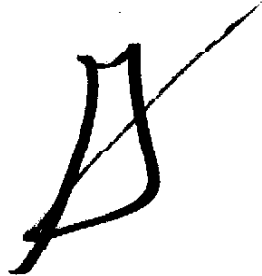


TI-DINGS FROM NEWJUG NORTH



GOOD TI-DINGS FROM NEWJUG NORTH
P.O. Box 84
Dumont, N.J. 07628

NOVEMBER 1986

Volume 4, Number 11

OFFICERS:

President: Steve Marino.....(385-7205) V.P.: Henry Hein.....(385-9057)

Treasurer: Frank Orlando....(427-5988)

Notes: Henry Hein..... Librarian: Andy Westner..(967-9154)

MOTTO: How can I help??? NEXT MEETING: NOVEMBER 18, at DUMONT HIGH SCHOOL
7 P.M.

"Our big day is near, MYARC approaches!"

NEWJUG/NORTH
P.O. BOX 84
DUMONT, N.J. 07628



Dallas TI Home Computer UG
1971 Mosswood
Irving, TX 75061

ATTENTION: USER GROUPS

PLEASE RECIPROCATE

Study Groups
Ralph Kopperman

The c group last met November 9 and will next meet November 19. We have finally made considerable progress despite the lack of an adequate text for c, our language. We use a C text (C PRIMER PLUS, by Waite, Prata, and Martin; copies may still be available at \$18 each through Frank Lees), and have learned how to adapt many of the key programs there to c and the TI. The assignment for the next meeting (and perhaps a bit longer):

(1) write a routine for entering a number. It should reject strings which don't represent numbers and should store the correct value of the numbers.

(2) write a routine which will find a character within a string.

(3) study the "minor" commands exit, abort, locate, poll, tscrn.

When the above is done, we hope to go on to the I/O commands.

Teacher's Pet II
Ralph Kopperman

Last month I described two programs to be used for setting up and indexing a file from which random tests could be produced automatically. The idea: If you are a teacher, as I am, and teach the same courses from time to time, you soon make up enough tests on the same topics

so that you have many similar questions. If you've also been using your TI and home printer to prepare them, you have what you need to run these programs.

One of last month's programs merges files of questions written with TI-writer into a single large random-access file; the second indexes that large file by question topic. Each question in the original TI-Writer file must be in the format used in this sample:

GA^^^Find the area of a right triangle whose legs are 8 and 15.^

WA^^^A man is three years older than his wife. If the sum of their ages is 91, how old is he?147144188153.8153 2/3^

A two-character topic code is at the beginning of each question. (The user invents these: I used GA to suggest Geometry-Area, WA Word-Algebra.) The three carets (^ found over the 6) which follow are simply space-fillers, which make room for the question numbers which are inserted by the test-preparing program. Each question is ended by a ^ (FCTN-c) and if the question is to be multiple-choice, a ! (FCTN-a) precedes each answer, dividing it from the preceding text. The correct answer is always given first (the program shuffles the answers; when the test is prepared, it goes to a new page and reports the place of the first one in the answer key it prepares).

The original question file is subject to the following limitations:

(1) no more than 125 different topics can be in it,

(2) no answer can be over a line long.

(3) it should be put in disk drive #2 (if you don't have a drive #2, simply change the DSK2's to DSK1's in the OPEN statements in the first step of each of the three programs).

Other limitations are imposed by TI-Writer and disk capacity. You can't get more than about 20000 characters on a TI-Writer file; that's anywhere from 50-200 questions, depending on how long-winded you are. Although you can merge many TI-Writer files using one of last month's programs, about 90000 characters is the limit of a SSSD disk, 360000 that of DSDD disk.

Rather than give a discussion of the following program, I document it with REM statements at the end of each step. Further, if you would like a disk containing the set of programs plus documentation and instructions, please send me \$1+postage and tell me whether you want SSSD or DSDD. My address is:

49 Cedar Street
Tappan, NY 10983

TEACHER'S PET II LISTING ON NEXT PAGE

DON'T FORGET! NEXT MEETING NOVEMBER 18TH

Now is the time for all good men to come to the aid of the club! Nominations for new officers will be accepted, new policies to be discussed, swap shop, and demo of new TV/RGB/Video Monitor will be featured. Y'all come now!

Your Presence is Requested!
OOPS! YOUR PRESENCE IS REQUESTED!

This part of the page was written with the help of a program called INSTA/PRNT!
See me about it!

Yes! See me about it soon!

Look at this!

And this! (If you can read it!)

Teacher's Pet II by Ralph Kopperman

```

10 DIM G$(125),C$(125),NQ(12
5),CA$(100):: OPEN #1:"DSK2.
GUIDE",VARIABLE 252 ::
RANDOMIZE :: OPEN #2:"PID" :
: OPEN #3:"DSK2.QUESTIONS",R
ELATIVE
20 IF EOF(1)=0 THEN LINPUT #
1:G$(I):: NQ(I)=LEN(G$(I))/2
::
C$(I)=RPT$(" ",NQ(I)) :: I=I
+1 :: GOTO 20 !GETS, NAMES &
UIDE LINES G$(I)
30 LINPUT "Please type the n
ext line of the heading (no
more than 70
characters)." !LH$ :: LH=LEN
(LH$):: IF LH>70 THEN PRINT
"TOO LONG!" :: GOTO 30
40 PRINT #2:RPT$(" ",35-LH/2
)&LH$ :: IF LH THEN 30 !30,4
0 LET YOU INPUT
HEADING, PRINT WHAT YOU SAY
(CENTERED)
50 INPUT "Enter next topic c
ode (just hit ENTER if you'r
e done).":TC$ :: IF
TC$="" THEN GOSUB 100 :: GOT
0 50 !IF NO TC$, THEN TEST O
R KEY SUBR
60 K=POS(G$(0),TC$,K+1):: IF
(K=0)+(LEN(TC$)<>2)THEN PRI
NT "NOT A PROPER TOPIC
CODE" :: GOTO 50 !K FINDS #0

```

```

F CODE. IF NONE, TRY AGAIN
70 IF K/2=INT(K/2)THEN 60 EL
SE K=K/2-.5 :: INPUT "Number
of questions on this
topic?":TC !50,60 FIND K = T
OPIC #
80 IF NQ(K)<TC THEN PRINT "O
NLY ";STR$(NQ(K));" QUESTION
S LEFT ON THIS TOPIC."
:: GOTO 50 !IF TOO MANY QUES
ON TOPIC, TRY AGAIN
90 TT=TT+TC :: ATC$=ATC$&CHR
$(32+K):: NTC$=NTC$&CHR$(TC+
32):: NQ(K)=NQ(K)-TC
:: GOTO 50 !ATC$=TOPIC #S, N
TC$=#QUES/TOPIC; BACK FOR NE
XT CODE
100 IF ATC$<>"" THEN 105 !NO
RE TEST TO BE DONE?
102 PRINT #2:CHR$(12):: FOR
I=1 TO NQB :: PRINT #2:I,CA$
(I):: NEXT I :: END !IF
NO MORE TOPICS TO BE DONE, P
RODUCES KEY, STOPS
105 FOR J=1 TO TT :: Q$=NTC$
:: GOSUB 190 :: NTC$=Q$ ::
NT=ASC(SEG$(ATC$,M,1))-32 ::
Q$=C$(NT):: GOSUB 190 :: C$
(NT)=Q$ !GETS QUES,
ADJUSTS GUIDES (NTC$,C$(NT))
110 REN=ASC(SEG$(G$(NT),2#M-
1,1))*95 +ASC(SEG$(G$(NT),2#
M,1))-3072 !LOCATES

```

```

FIRST LINE OF NEXT QUES
115 RESTORE #3,REC(REN):: NO
Q=NQB+1 :: PRINT #2:" ":" "
:"("&STR$(NOQ)&") ";;:
ST=6 !GETS, PRINTS TEST# OF
QU-LI I
120 LINPUT #3:NL$ :: GOSUB 1
80 :: PRINT #2:SEG$(NL$,ST,@
-ST);:: ST=1 :: ON
CH+1 GOTO 120,175,125,130 !G
ETS QU-LINES,PR TO MUL CH BO
UNDARY(180)
125 IF (CH=2)&(LEN(NL$)<170)
THEN LINPUT #3:LN$ :: NL$=NL
$&LN$ :: GOTO 125
!GETS ENOUGH MULT CH ANS TO
WORK ON
130 NL$=SEG$(NL$,@+1,99):: G
OSUB 180 :: NA=NA+1 :: AN$(N
A)=SEG$(NL$,1,@-1)::
IF CH>1 THEN 125 !INDEXES MU
L CH ANSWERS
140 Q$=RPT$("!",NA):: FOR I=
1 TO NA :: GOSUB 190 :: IF M
=1 THEN
CA$(NOQ)=CHR$(I+ 96)!SHUFFLE
S ANS, PICKS CORR ANS FOR KE
Y
145 IF LEN(ANS$)+LEN(AN$(M))
>68 THEN GOSUB 178 !ANS$=1 L
INE MULT CH, CREATED BY
THIS & NEXT 2 STEPS; HERE PR
INT ROUTINE (178) IF OVER 1

```

```

LINE
150 ANS$=ANS$&L$ ("&CHR$(I+9
6)&") "&AN$(M)&" " !ADDS NEX
T MULT CH ANS TO
ANS$
160 NEXT I :: IF ANS$<>"" TH
EN GOSUB 178 !PRINTS, RESTAR
TS ANS$ WHEN QUESTION
DONE
175 NEXT J :: TT=0 :: ATC$=""
" :: NTC$="" :: RETURN !ON T
O NEXT QUESTION OR TO
SET UP MORE OF TEST
178 PRINT #2:TAB(1);ANS$;:
NA=0 :: ANS$="" :: RETURN !P
RINTS AND RESTARTS
ANS$
180 [ =POS(NL$, "!",1):: ] =POS
(NL$, "",1):: @ =MIN((1-SEG(
))&80+],
(1-SEG(1))&80+[) :: CH=SEG(1
)+2*SGN(1):: RETURN
190 M=INT(RND*LEN(Q$))+1 ::
Q=ASC(SEG$(Q$,M,1)): IF Q=3
2 THEN 190 !FINDS
NUMBER ; IF IT CAN'T BE USED
, REPEATS
200 Q$=SEG$(Q$,1,M-1)&CHR$(Q
-1)&SEG$(Q$,M+1,999):: RETUR
N !REDUCES #TIMES THE NUMBER
FROM 190 CAN BE USED, RETUR
NS
THANKS A LOT RALPH! HH

```

Here is the program from LA 99ers that enables unrunnable BASIC programs in XBAS to run in XBASIC. All one has to do is type in this program, save it, and save it again in MERGE format with another name such as SAVE "DSKn.UTIL",MERGE. Now call up your unrunnable BASIC program (in XB), DO NOT RUN IT, and type MERGE "DSKn.UTIL". Remember that in merging line numbers must not overlap. It may be worthwhile to check to see if there are no command lines with numbers less than 10. If you type the command RES 10 and wait for the resequencing to complete before giving the MERGE command. Now you're on the way! Leave the REN lines intact,

and give credits for this little gem of a utility.

```

1 ! "IMPROVED" Unrunnable BAS
SIC PROGRAMS by Richard Heat
h (IMPROVED UPON STEPHAN SHAW
AND JOHN BEHNKE'S PROGRAM)
2 ! Enables you to run TI BAS
SIC in 32K XB using all 16 c
haracter sets
3 ! Merge this program into
your BASIC program. Alternat
e Method: Run this prgm with
32690+32710 included in it
4 ! THIS NEXT LINE IS VITAL
5 CALL LOADUTIL
6 !TI BASIC PROGRAM FITS IN
HERE. ALTERNATE METHOD: 6 RU
N "DISK1.YOURPGM+3"
7 ! .....
8 ! .....
32600 SUB LOADUTIL :: CALL I
NIT :: CALL LOAD(0194,37,194

```

```

,63,240)
32610 CALL LOAD(16368,80,79,
67,72,65,82,37,58,80,79,75,6
9,86,32,37,168)
32620 CALL LOAD(9530,2,224,3
7,20,3,0,0,0,2,5,48,48,2,8,3
7,2,205,133,2,134,37,17)3263
0 CALL LOAD(9552,17,252,4,19
2,2,1,0,1,2,2,37,1,2,3,18,0,
212,131,4,32,32,20)
32640 CALL LOAD(9574,208,4,9
,80,2,32,3,0,2,1,37,2,2,2,0,
8,2,7,11,0,2,8,7,0,193)
32650 CALL LOAD(9599,1,192,1
93,193,180,97,133,145,135,21
,1,113,136,6,198,145)
32660 CALL LOAD(9615,135,21,
1,113,136,210,70,10,198,177,
137,220,198,2,131,37,10)3267
0 CALL LOAD(9632,17,240,4,32
,32,36,16,6,2,224,37,20,3,0,
0,0,4,32,32,32,4)
32680 CALL LOAD(9653,192,216

```

```

,0,131,124,2,224,131,224,4,9
6,0,112):: SUBEND
32690 SUB CHAR(A,A$):: CALL
LOAD(9500,A):: CALL LINK("PO
CHAR",A$):: SUBEND
32700 SUB COLOR(A,B,C):: CAL
L LOAD(9492,B,15+A,(B-1)*16+
C-1)
32710 CALL LINK("POKEV"):: S
UBEND

```

SEE 'TOPICS' PAGE EXPLANATION!

Sorry about the runover words. I'm taking license for a 28-column format and trying to save space without doing too much editing. Bear with me for this one page.

Meanwhile, typing in the programs on this page will make it easier for you to edit on a 28 column screen.

NEWSBYTES:

by Henry Hein

October's meeting was held to receive nominations from the members for next year's slate of officers and the future of the UG. Since there were some absent the nominations were tabled until next month's meeting.

A list of hardware and modules, et al. will be provided by Steve in this newsletter, as proposed at the meeting.

WE ARE SOLVENT!!!..according to our treasurer, Frank.

The business portion of the meeting was brief. We then turned over the meeting for a demonstration of the new NYARC computer. Many of the features mentioned in last month's newsletter were featured and discussed. In addition, Andy mentioned that Lou Phillips is working on an additional card for the PEB to allow for speech and (I forgot which) other enhancements.

While running the demos I noticed that NYARC's version of TIM did not have true descenders for lower case. I called him up about this and Andy said there is another file coming up with the CHAR1 feature as in the present TIM package released to UG's two years ago. Perhaps the newest NYARC version may give us some alternative fonts for dot matrix and laser printers.

There are ways of making custom fonts using graphic capable printers already. Just look into your manuals.

But how to do it with LINKs and LOADs for TIM is out of my range of expertise. Chris Faherty and Will McGovern, where are you?

Did you know that both are still in their teens? The co-conspirator of FUNL_WARE FARM is a teenager. Of course, most of us know of Chris Faherty of TI ARTIST fame!

God bless Jim Laabert! Read his compressed two page article below. Now we have it in our electronic file, a working "c" program, compiled, and ready to run. He did a lot of homework, bless him!

I'd like some feedback on your opinions of last month's special education programs. What's your pleasure? More or less? Ralph's program has a lot to offer for a variety of things such as quizzes, trivia games, and more.

Just found a little utility from LA

99er which will merge with a present BASIC program to make it runnable in EXBASIC. It WORKS! I've tried it with the Cribbage game I mentioned two issues ago. The Cribbage game was written in BASIC but utilizes all 16 character sets and it couldn't run in XB for that reason. The utility made it work. It didn't make it run much faster, though, just a little. It counts the scores much too slowly. I've got to try adding !P(remember?) to prescan the variables. Perhaps a good tool. How about you trying it Aaron? It's a great card game, too!

Some of those original TI BASIC programs we bought from TI when they first came out can be compressed into XB. Remember SMASHDISK? It's still very useful to compress TI INVENTORY and TI MAILLIST. Some programs from the Best of 99er that wouldn't run with the PEB could be shrunk and run, too, in XB, and merged with the little 20 line utility program by LA 99er, Richard Heath. Actually, it is an improvement of a more lengthier program by Englishmen Stephen Shaw and John Behake.

I'll provide text in another part of the newsletter for you curious hackers, courtesy of LA99er. Boy, am I learning!

TICOFF NEWS: So far the organizers are getting away with the insurance bill. Since the event is co-sponsored by the Roselle Park Board of Education it is classified as a school activity and will actually be staffed by student council members. Part of the proceeds will be set aside for a scholarship fund. Some of the take will be reserved as seed money for the next TICOFF. Some funds are trickling in and are spent on mailings of contracts to vendors. Advance sales admissions will be announced soon. The latter purchasers will be given a 55/50 disk of utility XB programs with their ticket. NO freebies! NO reduced price tickets! NO free disks at door purchase!

Some speakers have signed up and some have expressed their hopes to come. The organizers are hoping to have support from UG's with donations of \$25. Tables will be reserved for their demos, publicity materials, et al. I hope that Mike Doliton would consider using our booth to demo his HAN RADIO/Computer telecommunication projects.

No doubt about it! The NYARC is here. Lou Phillips is still awaiting a shipment of chips so he can start marketing. It seems the GENeve name is out since EPSON has a 64K portable by that name recently advertised by DAK Industries of California. Maybe Lou should rename it the PHOENIX after all, or maybe MEGASPRITE, NYARC M-512, or SUPER 99er! Whatever, he's got a super machine and we witnessed it! Now anybody can own a TI clone.

Did you get a load of that SUPER BASIC?!! I like those editing capabilities and those new commands. How about a 21-gun salute for Lou?!

Just what computer ever made has so much software ready made for it? Most of it in public domain, too, and of very good quality! Just think of all the software out there for the low cost of copying. AMNION will fill a disk for as little as \$5 per. Just let them know what kinds of programs you want.

Compilers will be available soon after the marketing of NYARC's gem. BASIC, FORTRAN, COBOL, PASCAL, maybe a new LOGO, a big "C", etc. We already have FORTH, and small "c" available, and no P cards for PASCAL. Now no P Card is necessary with the new computer. Just about all programming from now on in these languages will be portable, that is, common to address all compilers of other computers.

Who knows? Maybe a new standard may result from Lou Phillip's persistence.

A machine that matches the output of the AMIGA, ATARI ST, and many of the features of the new APPLE (at \$2000) WE will have a bargain! We can customize almost any program already written for TI to suit our own needs. We can combine groups of programs without worrying about memory. Note, the programs written for a 16K or 48K had to be very efficient for data and word processing. They were compact, indeed. With a 512K or more computer the programs will be miniscule, leaving in most cases as much as 500K for data input. Compare that with the the 128K PC Jr and others where programs use up to 100K of DOS and program commands before filling in the 28K of ram left to the user.

NOTES AND ASIDES:

By Henry Hein

Thanks again to Frank Filice for his columns on MICROPENDIUM.

Just before the last meeting I purchased six boxes of BONUS disks. The boxes, from a distance, looked like the usual offer of giving two extra in each box. At home I discovered that you had to send in a card, enclosed in each box, to get the extra disks. Besides, I was limited to get two disks for two boxes. This was not mentioned on the box cover! I called the 800 number given on the box and discovered that VERBATIM makes the disks. I got the name and address of the BONUS division, exec and wrote. This was two weeks ago. I wrote about the discrepancy and my disappointment in the new marketing technique. I just heard heard from them. They sent me twelve disks. Gratis. CAVEAT EMPTOR!!! Despite this warning, I guess it pays to follow up on these things after all. To save oneself some trouble, just buy two boxes at a time from here on.

UPDATES: PRBASE and TI-ARTIST.

PRBASE was simplified to enable the user to make reports easier to construct. Also, the new version is able to store data on double sided disks, thus giving you a choice of storing twice the amount of info. It can still address and retrieve data on SS disks. By the way, have you come up with any info on clarifying the instructions for setting up data reports, John B.?

TI-ARTIST Version 2.1 is out. You CAN make a backup of it and it is recommended (by INSCEBOT) that you do. Some of the printout bugs were removed in which sizes and densities drove our printers nuts. The only time you can use the triple size printout is when you have a wide carriage (15 in) printer. I still can't get the triple density to work either. Another little bug is that if your picture is close to the right side border, looking at the screen, the printout will be chopped off in single density, double size printout commands. Otherwise the program is still a gem. Also, the program can now be downloaded easily into a RANDISK. Should you own

the original ARTIST send it in with the update fee as prescribed by INSCEBOT. If you need to use ARTIST while your request is in progress, you can borrow mine.

GRAPHX, (REMEMBER)

a program very much comparable to ARTIST, requires the E/A cartridge to run. I omitted telling you this unintentionally. You must have the cartridge installed, type OLD DSK1.GRAPHX (in BASIC mode), and RUN. It is a pseudo loader program, if you can call it that, which LINKs and LOADs the E/A programs on the disk.

The support Clip Files for GRAPHX does not seem to have a quality set of fonts. They are hard to use in that each letter has to be called from set at a time and placed singly on the screen. It is time consuming. Besides, since not all letters in some fonts have a uniform base line you have to call up the 'move' option frequently, and could cause serious problems if you space the letters too closely. Another thing, for some reason many of the fonts have a reversed 'Z', also causing some disdain. Overall, though, it is a good substitute for ARTIST but it is limited to EPSON type printers. However, any pictures you save to disk can be reprocessed by the newer version 2 or 2.1 ARTIST into an ARTIST picture. Thus ALL the pics you make in GRAPHX can become ARTIST pix. How's that for a treat?! For those of you who would like to help your local organizations such as church, veterans' orgs, clubs, PTO's, etc. you can draw some pretty nice flyers, posters, etc. with the combinations these TWO programs offer, Singly or together. Make your own Christmas cards, or other greetings as well. Watch for DEMO at next meeting, if someone brings PEB and console. I'll also DEMO a new super monitor I just got recently, a combo TV/RGB (full color). This was rated very highly by CR for its TV pic quality. Hi Res pic and high res for computer use in 80 col mode. Could Andy bring the MYARC card again with the RGB connector cable?

By the way, there are 4X as many pixels compared to the usual TV set giving one RGB resolution. Even in TV mode it's easier on my eyes.

Frank Orlando is in need of educational programs for his two kids, 4 1/2 and 8 year olds. Cartridges such as Reading Fun, Reading Roundup, Minus Mission, etc., are most desirable. Many of our kids have outgrown them already and they should be passed on for a reasonable price. Better yet, he hopes to see a monthly SWAP SHOP be set up. Good idea, I think, but who'll help load up all the club's stuff. WE ALWAYS NEED VOLUNTEERS to keep the club going! So how about it folks! Give Steve a ring to help out since the club's stuff's at his house and he would be glad to get it off his hands with someone else taking the onus. Any takers?

!A MUST!

Many of the newsletters of the past two months have a great deal of information to be passed on. Not just to our own members but to other user groups. By now there is hardly any user group which has not joined an exchange program with other groups. Some have done it on a massive scale where they can have cheap mass mailings with bulk rates. We share with about 50 groups now and we hardly come up to par with the information they gather. There are only a few which offer very little information to its members outside of local gossip. Most offer solid newsy info. We have a few programmers and some with ability to write articles. If they feel that they can't write, then scribble. I'll decipher! That's why I'm here. We must make our contributions to the TI community! Even copying in some of the great news found in other UG news letters would be a help. Many thanks to Jim Lambert and Frank Filice for the help in this regard. Other articles may be better preserved electronically. With someone else's help maybe we could get a new or updated listing of FAIRWARE vendors and programmers, uses of their programs, prices, how they could be gotten, and from where. Get a column with YOUR byline in it! Everybody has a wishbone. It doesn't take much backbone to wish, but it does take some to do!

How about a picture from you ARTIST or GRAPHX fans? An RLE graphic download?

We can use and do anything if we try!

I'm looking forward to the day when someone will start a TI info clearing-house to print the BEST from all UENL's!

Gleanings from Micropendium
Vol.3 No.7, JULY 1986

Feedback.....Page-8
-Would like to see Dow flight simulator
-Parameters,screen dump advice given
-Lost in the BBS world
-Wishes for TI-Writer
-Double-sided drives
-Printer compatibility
Screen I/O package.....Page-12
Assembly routines used to enhance Extended Basic without sacrificing any of it's power.
Diagnostic software.....Page-26
TI plans to send out diagnostic software for TI user groups.
Basic/basic.....Page-28
Self-modifying programs-Part 2 ,a continuing tutorial
Programs reviewed since 1984....Page-32
Techie Corner.....Page-33
Comments on Forth and Myarc's 128K card.
Make your own overlays.....Page-34
"PRINTSTRIP" program creates keyboard overlay strips for different programs.
JOY PAINT 99.....Page-35
Product review of exceptionally good graphics program.
GPL Assembler,TI99/4A INTERN,GPL Linker
Review of book which makes this powerful language available to all users.
Newsbytes.....Page-42
-Geneve due in fall
-Workshop set on East Coast

THE COLUMN

by Steve Marino Jr.

Hello all. I'm sorry for my absence in the recent newsletters. I'm truly up to my ears in school work, my job, and other various things. But I just found time to write some kind of an article for all who read the newsletter, to read mine!

It's time to give credit where credit is due. I say that Henry Hein did a superb job on the newsletter this year. If it wasn't for him, we probably would be illiterate in the TI Community right now. He brought us information on most everything that happened with the TI computer. Great Job Henry!

-J&KH reduces prices on software
-New Tigercub disk
-CorComp software under development
-TI users group for clergy organized
-QUALITY 99 issues fall software catalog
Users Notes.....Page-43
-Users group operates TI bulletin board
-Author finds bug in NUMWORDS
-PUTDOT problem
-Sorting with limited memory
-Transporting Multiplan files

Gleanings from Micropendium
Vol.3 No.8, August, 1986

Programs reviewed since 1984 in Micropendium.....Page-6
Feedback.....Page-8
-Effect of U.S.-Japan accord on hardware
-Triple Tech Un-holey solution
-Separate 32K called advantage to user
-On flight simulator
-On track copiers
-Not even your fingers would be walking
-Questions answered
Keep track of what's on your floppies.....Page-12
A program that prints disk sleeves with catalogs
Chip pact may affect 99/4A market.....Page-16
Article discusses probable effects of negotiations by the U.S. Dept. of Commerce with the Japanese

Know where your screens are....Page-18
Wycove FORTH program to create menus
How a programmer learned to love the efficiency of GPL.....Page-26
GPL makes writing routines used by Basic a snap in assembler.
Super 4TH.....Page-31
Program review of a complete overhaul and upgrade of TI Forth
GRAPHX vs TI-Artist.....Page-32
A comparative overview of these two programs with no clear winner and each having its own strengths.
TI99/4A serves as basis for production of magazine.....Page-37
Mechatronic 128K GRAM card.....Page-38
Product review of the German card which unlocks TI power.
Newsbytes.....Page-40
-DOS to market MPB boards kits
-Tenex fall catalog out
-6P-100TI-compatible program announced
-Bowling program set for mid-October
-Myarc, CorComp on show at faire
-Foundation card gets support from Myarc
-New TI Artist version
-PROJECTFILES for auditor program
-North Eastern 99ers to hold workshop
-English manual set for 80-column card
-Forest Lane users open membership
-'Dugout' is Techie BBS
User Notes
-Screen text dump
-Fix for && and @@ using TI-Writer
-Quik-View update
-Adding DM1000 to GRAM Kracker
-Business Graphs 99 and TI-Writer

FOR THE NEXT EDITOR.

DEAR STEVE: Find out from Dr. Pecoraro (I hear he's an expert in this) on how to use the DISPLAY MASTER program from TI-Artist and pass along the info to us. Also, upgrade the MULTIPRINT program so that we can use the program to include special formatting and special character printouts. Or maybe a program to linkup with TI-Artist and TIN Files for special graphic/text combos. I am hoping that Chris Faherty can do it to simulate a program called NEWSROOM for the APPLE, COMMODORE and IBM using ClipArt files along with Fonts for headlining, subheads, graphics, and the like. Some task, eh? A tough one, for sure!

PS! I did very little editing to your column. I guess you can become an even better writer, soon. Keep it up!

ONE IMMEDIATE REQUEST FROM THE EDITOR