



THE NEWSLETTER OF THE K-TOWN 99/4A USERS' GROUP

AND

THE ATHENS COMPUTER CLUB

OCTOBER *, 1990

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COMMENT

The K-Town 99'ER is published monthly for the benefit of the K-Town 99/4A Users Group membership specifically and the TI Community in general. The Articles in this newsletter to the best of our knowledge are factual but nevertheless the views expressed are the views of the author and are not necessarily the views of the K-Town Users Group. Any article, unless stated otherwise, may be copied by other users groups and published in their newsletter providing credit is given to the author and the K-Town 99'ER.

K-TOWN OCTOBER MEETING

The K-TOWN 99/4A Users Group will meet at the MLB (Mechanicaville, Lonsdale, Beaumont) Building on the second Thursday of the month. The date is OCTOBER 11. Doors open at 6:30 P.M. The FEATURE EVENT will be a demonstration of an updated version of "FCG INDEX". Rev. John Bull will TEAM UP with Bob Buehler for this demo. See "PRESIDENT'S FORUM" for special request regarding this demo. A brief business session will be conducted. Be there for an early start of this meeting. Please remember that we must vacate the building by 9:30.

DUES / MEMBERSHIP

Membership in the K-Town 99/4A Users Group is open to any owner or user of the TI-99/4A Home Computer. Dues are twenty dollars per year and subject to our fiscal year which begins April 1 and ends March 31 of each year. Dues are classified as family memberships. New memberships are prorated at the rate of two dollars per month if less than a full year, except for the last three months of our fiscal year. There is a minimum fee of five dollars. Memberships are not prorated for current or former members. We welcome visitors.

PRESIDENT'S FORUM

By the time you read this, summer 1990 will be history and we will be well into the fall season. The diverse color of this season along with moderately cool weather makes fall my favorite season of the year. I say this even though I know much of this color will end up in my yard in the form of leaves. Hopefully my investment in a "bagger" for my riding mower will make the task of raking leaves a bit less burdensome. In test runs it works great when the elements are dry but it is a "bomber" when things are wet.

In this article under the heading of "OCTOBER MEETING" you will find a special request and instructions on what you can do to participate in the demonstration. I hope each of you will read and abide by this special request. I visualize the October meeting as having the potential for a "fun meeting".

CENTRAL NEWSLETTER DATABASE CLEARINGHOUSE

Information from Irwin Hott is received via Dr. Charles Good and the Lima Users Group to the effect that there has been progress toward developing a central newsletter database and using the Spirit of 99 BBS as the medium for distribution. Interested participating Users Groups are encouraged to consider the merits of this project and if approved to send \$30.00 as a share in the setup costs. Twenty five groups will be needed at the \$30.00 rate to meet the estimated \$750.00 required to update the current system. If adequate response is received by January 1, 1991 the central database will become a reality. Once the update costs are met, it is estimated that an annual fee of \$15.00-\$20.00 will meet operational costs.

When one considers the ramifications of such a database it is difficult to believe that anything could be more beneficial to the TI Community. Just for starters it will make available in a timely manner the publications of the TI Community's most read Authors. Such articles can then be published in a local newsletter or made available to the membership at monthly meetings. Users Groups of all sizes will have access to current information whether they do or don't publish a newsletter of their own. With payment of a modest annual fee, the price of a modem, and a small monthly telephone expense the erosion of the TI Community membership could be stopped and perhaps even turned around.

As president of the K-Town Users Group I am pleased to report that at our September meeting the membership present approved our participation in this central database project. Our thirty dollar check has been forwarded.

Interested leaders of other users groups may write Irwin Hott for more information. His address is 1540 Northridge Road, Columbus, OH 43224 or call (voice) (614)

263-5319. Incidentally, since Irwin is blind it is very beneficial to him for your messages to him to be sent on disk in a DV-80 FILE. If your group has decided it needs no more information and wants to participate just drop your \$30.00 in the mail to Bob DeVilbiss, 2000 Atterbury Avenue, Columbus, OH 43229. Make checks payable to C.O.N.N.I. and indicate they are for "clearinghouse fund".

A NOTE TO EDITORS

Please pass the above information regarding a central newsletter database to other users groups on your mailing list. For information pertaining to what information may be uploaded to database and who may up/down load keep in touch with Irwin Hott or watch the Newsletter of C.O.N.N.I.

A NOTE ABOUT MIKE DODD

I was very pleased a few days ago when Mrs. Graham Lovelace, a former K-Town 99'er, called and left the following information. Mike Dodd, a computer whiz kid, a former K-Town member, President, and newsletter editor has turned eighteen and completed his required home study education. Mike recently spent several months working at Apple Computer and has been granted a full four year scholarship to study at Boston University. If I am not misinformed, this is the same University as was attended by J. Peter Nodie, who was also a TI stalwart who upon graduation went to work with Apple Computers. The friendship of Mike and J. Peter was nurtured through their mutual interest in the TI Community. We congratulate both these young men upon their successes and wish for each of them continued success. Mike we were proud of you when you were a whiz kid and continue to be proud of you as a young man.

K-TOWN OCTOBER MEETING

Our October meeting will feature a demonstration of an updated version of "FOG INDEX". Bob Buehler and Rev. John Bull have put together their collective programming skills and came up with a much improved version of Fog Index. It is now much faster and also has an option of keying in new text or loading previously developed text. Just think how valuable this program would have been to John when he was serving full time in the ministry. He could have tested his congregation for its level of appetite and then prepared his sermons for a corresponding level of appetite. He would learn soon what level was needed to wake up the congregation as well as what level was certain to lull them to sleep. That borders on being mind control.

Bob and John have requested that each member prepare a few sentences of text, save it to disk in DV-80 format (TI-Writer), and bring it to the meeting with you. They will use FOG INDEX to determine your level of writing skills as it relates to educational levels. Bob has

explained these levels of measure in previous articles on this subject. If you have forgotten, I am sure he will be glad to review the levels of measure for you. Just be sure you are present for the demonstration and that you bring some prepared text on disk with you. As my contribution I will have this article submitted for grading to determine what level of writing is needed to get results from the membership. Tell me, "What is the bottom line statement" in my previous sentence?"

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MORE FOG

by John H. Bull

Many years ago I read a book, THE ART OF PLAIN TALK, by a man named Flesch. It had a strong impact on my way of thinking. His theme was that most of us are about equally smart but some of us are more at home with "lingo", technical jargon. To get our ideas across we need to simplify our language, not our ideas. He worked out a way to measure what he called readability, measured as the grade level of the person who can easily read our stuff.

When Bob Buehler began to tell us about FOG INDEX, I realized that he was talking about the same thing as PLAIN TALK. Bob shared with me the program he found in AMNION and was modifying, the program he showed us at the July meeting. I was so excited that I have spent many hours on more changes and several phone calls picking Bob's brains.

Here is the result. It turned out to be 70 lines of X BASIC - a nuisance to type. If you want a copy, either of us will be glad to share. The program permits you to type in up to 2800 characters (more than 500 words) of text to the screen. Else, if you choose, it will load up to 20 lines of a TIWriter file. In a minute or two it will give you the FOG INDEX. The first twenty lines of this article, for instance, were loaded and got a score of 8.7 on the FOG INDEX scale. That means that you shouldn't need a high school diploma to read it.

The clever opening screen, from AMNION, is just the same except for the choice of Type or Disk. The TYPE section, lines 140-170, uses LINPUT and allows whatever typing speed you have, two fingers or ten. The maximum amount of text is 20 strings of up to 140 characters each. That is 560 5-letter words, more than necessary for a fair test. Also many more than I want to type and wait for the results. The DISK reader, lines 400- 540, lets you skip titles, headers, or blank lines at the beginning of a file. It reads each line and deletes any spaces to the left of the text, adds one space at the end of each line (TIWriter doesn't) and puts the string into the array T\$().

The FOG INDEX calculator, lines 190-350, is the heart of the program. It takes one string and then one

letter at a time. It uses the punctuation and spaces, line 210, to count the sentences and the words and puts each word back together (W\$=W\$C\$) to count the syllables in words longer than 6 letters (line 230). Each vowel marks a syllable (line 250) but double vowels count as only one (line 260). Final "e", "es", "er", and "ed" don't count either (line 270).

The syllable count is not perfect, perhaps because the English language is strange. Both Bob and I have done enough manual counting to convince ourselves that the count is accurate enough for practical purposes. The FOG INDEX is computed on line 330 and rounded off on 340. It is .4 times the average number of words per sentence plus the percent of words with three or more syllables. Only Gunning, the originator of the idea, has data correlating the score to the actual experience of people. At least, I hope that he does. It seems to be about right, but then, not all 9th grade educations are the same. Neither are ninth graders.

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10 !FOG INDEX by Gunning, Amnion, Buehler, and Bull
20 !Syllable count
30 DIM T$(20)
40 CALL CLEAR :: FOR C=1 TO 12 :: CALL
COLOR(C,15.8):: NEXT C ! Gray on cyan
50 FOR R=4 TO 19 :: READ A$ :: DISPLAY AT(R,1):A$ ::
NEXT R ! Opening message
60 FOR C=1 TO 200 :: NEXT C :: FN$="DSK?.?" ! Time
delay
70 FOR C=1 TO 12 :: CALL COLOR(C,2,1):: NEXT C !
Black letters
80 RESTORE 590 :: READ A$,B$ :: DISPLAY
AT(21,1):A$:B$ :: GOSUB 700 :: IF K=68-32*(K>95)THEN 390
! Type or Disk?
90 !** TYPE INPUT **
100 DISPLAY AT(24,3):"Instructions? Y or N?" ::
GOSUB 700 :: IF K=78-32*(K>95)THEN 120
110 CALL CLEAR :: RESTORE 600 :: FOR R=2 TO 23 ::
READ A$ :: DISPLAY AT(R,1):A$ :: NEXT R :: GOSUB 700 !
Instructions
120 CALL CLEAR
130 !Type in text
140 FOR R=1 TO 20
150 LINPUT "":T$(R):: IF T$(R)="" THEN R=R-1 ::
GOTO 190
160 TL=TL+LEN(T$(R)):: DISPLAY AT(2,1):TL;"key
strokes entered"
170 NEXT R
180 !** CALCULATE FOG INDEX **
190 FOR I=1 TO R :: A=T$(I) ! One string at a time
200 FOR P=1 TO LEN(A$):: C$=SEG$(A$,P,1):: IF C$<" "
THEN 300
210 A=POS(" -,:;!.",C$,1):: IF A=0 THEN W$=W$&C$ ::
GOTO 300 ELSE W=W+1
220 P=P-(A>2)-(A=8):: IF A>5 THEN SENT=SENT+1
230 L=LEN(W$):: IF L<6 THEN W$="" :: GOTO 300
240 FOR J=1 TO L :: L$=SEG$(W$,J,1)
250 A=POS("aeiouyAEIOUY",L$,1):: IF A=0 THEN 270
ELSE SYL=SYL+1

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260 A=POS("aeiou",SEG$(W$,J+1,1),1):: IF A THEN
J=J+1
270 NEXT J :: LZ=SEG$(W$,L-1,2):: IF
(L$="e")+ (L2$="es")+ (L2$="ed")+ (L2$="er") THEN SYL=SYL+1
280 PRINT W$;L;SYL
290 W$="" :: WS3=WS3-(SYL/2):: SYL=0
300 NEXT P :: NEXT I :: W=W-(W=0):: W$=""
310 A$=SEG$(T$(R),LEN(T$(R)),1)::
A=POS("?",A$,1):: IF A=0 THEN SENT=SENT+.5
320 PRINT W;"words ";SENT;"sentences":WS3;"words >=3
syllables"
330 FI=(W/SENT+100*WS3/W)*.4
340 FI=INT(FI+.5)/10
350 PRINT "FOG INDEX =";FI
360 PRINT "Press any key to continue or Q to
quit." :: GOSUB 700
370 IF K=81-32*(K/95) THEN STOP ELSE TL,W,WS3,SENT=0
:: CALL CLEAR :: GOTO 80
380 !!! DISK INPUT !!!
390 DISPLAY AT(24,3):"Instructions? Y or N?" ::
GOSUB 700 :: IF K=78-32*(K/95) THEN 430
400 CALL CLEAR :: RESTORE 600 :: FOR R=2 TO 6 ::
READ A$ :: DISPLAY AT(R,1):A$ :: NEXT R ! Instructions
410 RESTORE 660 :: FOR R=8 TO 22 :: READ A$ ::
DISPLAY AT(R,1):A$ :: NEXT R :: R=20 ! Instructions
420 GOSUB 700
430 CALL CLEAR :: DISPLAY AT(4,1):"Filename: "&FN$
:: ACCEPT AT(4,1)SIZE(-15):FN$
440 DISPLAY AT(6,1):"lines to skip: "&STR$(SK)::
ACCEPT AT(6,1)SIZE(-2)VALIDATE (DIGIT):SK
450 DISPLAY AT(8,1):"Lines to input: "&STR$(R)::
ACCEPT AT(8,1)SIZE(-2)VALIDATE (DIGIT):R
460 FOR I=1 TO R :: T$(I)="" :: NEXT I
470 OPEN #1:FN$,INPUT ,DISPLAY ,VARIABLE 80
480 FOR I=1 TO SK :: LINPUT #1:A$ :: NEXT I
490 FOR I=1 TO R :: LINPUT #1:A$ :: L=LEN(A$)
500 FOR J=1 TO L :: IF SEG$(A$,J,1)" THEN 520
510 NEXT J :: GOTO 530
520 A$=SEG$(A$,J,L-J+1):: IF I<R THEN A$=A$&" "
530 T$(I)=A$ :: PRINT A$;LEN(A$):: NEXT I
540 CLOSE #1 :: GOTO 190
550 !Opening screen
560 DATA " F O G I N D E X",,, " Have you ever
read",something and then had to, reread it more slowly
to, find out what the author was
570 DATA saying? And did you wonder, whether the
problem was, yours or the author' s?
580 DATA , " Here's a way to find", out by typing in a
sample of, text from an article or a, book or reading text
from a, disk file:
590 DATA Type text or read from disk?, Press T or D.
600 DATA " This program calculates", the FOG INDEX of
text. This, is equal to the GRADE LEVEL, of the reader for
which it, is suitable.
610 DATA " Type up to five lines of", text and press
enter - and, repeat this up to 20 times., Edit before
entering.
620 DATA " Use normal punctuation", "and spacing BUT:
No quotes,"
630 DATA "indents, or extra spaces.", "Use periods

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(plus 2 spaces), only to end sentences., " Enter 30 to end the text."

640 DATA , " The FOG INDEX will be", calculated and reported, shortly. Watch the screen!

650 DATA Release alpha lock - press, any key - then type in your, sample.

660 DATA " First, enter the filename", "of the D/V80 text.", " Then, the number of lines"

670 DATA "to skip - title, heading", "blanks, etc."

680 DATA " Last, enter the number of", "lines to input from disk, 20", "maximum. No editing can be, done on the screen.,

690 DATA " The FOG INDEX will be", "computed and reported to you, shortly. - Watch the screen!, Press any key.

700 CALL KEY(0,K,S):: IF S<1 THEN 700 ELSE RETURN

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KINDER KORNER-34
By Bob Buehler

ODDS AND ENDS

Update On FOG INDEX-- Please be reminded that this Kolan introduced FOG INDEX as an avenue to preach about simple principles of CLEAR WRITING. The INDEX was a handy gimmick to gain your attention long enough to sneak in solid support for those principles. But make no mistake. FOG INDEX can be an important building block in this support. The big news is that from this simple introduction in Kinder Korner the INDEX has been vastly improved to make it an easier tool toward clear writing.

I had tucked the INDEX beddy-bye. Why? Because I'd gone as far I could toward improving the basic, erroneous, AMNION version. That wasn't far enough, and I challenged any K-Towner to do better. THAT DID THE TRICK.

But first, about a version by Walter Blood, of Kansas City, KS. He had sent it at my request, on a DSK containing a bunch of goodies that I've not yet had time to de-archive. His version didn't work. I sent a "Penny Postcard" to convey the news but haven't heard back. (Anyone remember the Penny-Postcard? Chewing gum at a penny a stick? Krystal hamburgers for a nickel?)

So what K-Towner accepted the challenge? John Bull, of course! Since my reporting of this last month John gave me a corrected DSK copy of his version with hard words counted on the basis of letter count, plus a version with hard words based on syllable count. That's what I couldn't do, but it's the way HARD WORDS should be counted for FOG INDEX.

I've spent too many hours studying John's really GREAT program without understanding many important aspects. This is particularly humiliating when I can see what happens, can see the related instructions in XBASIC,

yet still fail to grasp true understanding. There are too many cases to bother John for explanation. Moreover I don't want him to learn how stupid I am.

One real goody introduced by John that I do understand is use of LINPUT to enter text. That's in place of CALL KEY which had so impressed me previously.

LINPUT advantages over CALL KEY are 1) keying can be at normal brisk speed without fear of 'losing' characters, 2) corrective editing can be done before entry, and 3) text may be input either from the keyboard or from a D/V80 file.

Improvements by John makes a computer version of FOG INDEX really practical. Formerly, it was quicker to do the needed counts and simple formula solving manually.

John is providing a print-out and a description of his vastly improved FOG INDEX program in this issue of K-Town 99er's Newsletter. And like he says it's a nuisance to type it yourself when you can get a DSK copy from him or me. Just ask.

I'd add only one thing to John's explanation. It takes a minute and 34 seconds to count 500 character's worth of words and filter them for syllables. This wait required some patience and confidence too. John fixed that also, but didn't tell how. Hint: Just watch the monitor.

Electronic Typewriter Once again, leave it to John Bull for an innovative idea. See page 2 of the August '90 Newsletter. It's just a two line program for typing short letters in X-Basic. He didn't just find it "ready made in the book" either. He simply has such a good grasp of TI's basics, that are "in the book" to adapt them to a problem selectively as appropriate.

I'm happy in remembering that that's how engineering was studied in the early 1930 post BIG depression years. Computers hadn't been invented. So there was no ready-made software; to design a structural beam or compute a flood profile. But a good knowledge of the fundamental laws of physics and properties of materials allowed appropriate needed solutions! I judge that that's how John studied and hence can apply X-Basic better than most of us.

So I adapted John's two liner to address my stick-on consulting business labels. Also simply to address an envelope. Only then I realized that I could as well do the same thing in TI-Writer. Further, I'd be using TI-Writer for letters and reports and so could call up an "addressee" easier than flipping into X-BASIC. Then I realized that I'd already pre-programmed in TI-Writer a letter-head to fill in for my fast depleting supply of formally printed business stationery. I don't plan to have a new printing. I'm too tired to work further!

ADDRESSING THE ENVELOPE The above reminds me of my pet way to address envelopes. I showed this one meeting night when trying to sell our group on using printing controls in the Editor Mode. I know I won no converts and blame myself for giving a poor demo. But I'll repeat the envelope address thing with new hope.

You have finished typing the letter with TI-Writer and even stored it to DSK. It's salutation gives the person's name and address; just what you now need on the envelope. So press CTRL 0 to remove word wrap; move cursor to the first letter of the name; press FCTN 2 for insert; then press space bar until the name almost disappears in the first 'window' of the monitor. Do the same for the second line of the salutation and any more needed lines. Insert envelope in printer. Note the line numbers of the lines that were moved. PF just these lines. Envelope is addressed.

BB - Far too many hours prior to 9/18/90

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POTPOURRI

by Bill Sheridan

So, you have your computer plugged into a surge protector and feel confident that your equipment is protected, eh? Well, I suggest that you read the August 1990 newsletter of the Mid South 99 Users Group. You'll have a big surprise by finding out that most suppressors are worse than useless - they may well be the cause of your equipment being killed. The two articles by Andy Baird and Gary Cox are well worth reading.

In the May issue of The Computer Voice newsletter by the Southern California Computer Group, I found some hints on using TI-WRITER. Below is a partial list. Read the newsletter for all the hints.

1) There are CTRL keys equivalents to most FCTN keys, plus a few others. For example to tab to the right you can go FCTN 7 or CTRL W; to tab back (to the left) you can go CTRL T (there is no equivalent FCTN key). You can use CTRL Q instead of FCTN 6 to roll up.

2) You can go to the last line of your text in COMMAND mode by pressing S for "Show Line" and at the prompt "Enter Line Number" just type E then press ENTER. "E" is a valid line number for the last line (end) of a document. This feature is active in all the commands requiring you to enter a line number.

3) If you wish to prevent the form feed at the end of printing when using the Formatter then make the last line of your text ".PL 1". This will suppress the form feed, but note: do not forget to reset PL if you have another document to print.

4) To avoid a BUFFER FULL notice you just save the files as it gets larger, then use the SD command to see the file size. The BUFFER is full at 92 sectors.

5) The Formatter also ensures that you have two spaces after each period. To control this when you are

typing such things as "Mrs. E Smith" or "1023 N. Queen Street" then use SHIFT 6 (a circumflex) in place of the space after the period. eg - Mrs. E Smith; 1023 N. Queen Street

6) If you must have a dot in column one of your text, transliterate it. "TL 124:46" will allow FCTN A to print out a period. (If a dot (period) occurs in the first column the Formatter will think it is a Formatter command (like .CE). and not print it).

7) If you wish to include a program listing in your document, instead of retyping it into TI-WRITER just LIST the program to a diskette using the following command: LIST "DSK#.FILENAME". This will save the program in DIS/VAR 80 format which allows it to be read by TI-WRITER. You can now load this file into TI-WRITER. If you want the program to appear after your text (see MDRE F06 by John Bull - Did you type all that in John? - GRIN), then in Command mode load the file with "E DSK#.FILENAME". The E see 2) above will load the file at the end of the text that is already in the EDITOR. After loading the program in the EDITOR, use CTRL B to put a carriage return at the end of each program line. This will insert a blank line below each program line, which if not wanted, may be deleted with FCTN 3. NOTE: Remember that if you used an ampersand, at sign and/or circumflex in your program, then they must be transliterated, or the first two may be typed twice in succession by using FCTN-2 (INSERT) then CTRL-2 (REFORMAT).

After much head scratching and debate with myself, I decided to enter the world of computer telecommunications by joining DELPHI. In a word - UNBELIEVABLE - is the amount of information available. Opens up a whole new world for my old TI. Since I'm still a novice (just learned how to download last Friday), I can't write much about it yet. After I become a little more familiar (and comfortable) with using DELPHI, I will give a demonstration at one of the club meetings.

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K-TOWN MINUTES - SEPTEMBER 13, 1990

Don't peg 13 as being unlucky! On that September day Mike Probst, missing a time or two, was back after being overworked by the National Weather Service. Otherwise the recent local searing temperatures might have been even higher. Paul Blevins, too, returned after a miss. Joe Simmons made it two in a row after recent necessary misses.

The sour note; despite a telephoned reminder, the AMP, Jack Garrison, again didn't show and I've been too busy to learn his latest excuse. It can't be lightning again, 'cause it doesn't strike the same place twice.

Too bad these good guys missed John Bull's demo of Disk Review, an improved version in F'WEB 30. It was secured through the good graces of Charles Good, Lima.

An appreciation contribution was voted for Charles. The Demo made me want to try loading the new F'WEB 30 on my Ram. Unhappily, as usual, I can load it but I can't call on it to run. Oh I can call, but it doesn't hear. So I need help!

As is his recent custom, Editor, Bill Sheridan didn't read the latest newsletter. Hope he does soon to learn that I need help with international characters in TI-Writer. He's shown how in BASIC, but I need it in TI-WRITER.

In the business meeting the Group voted to support a proposed regional "bank" of newsletter worthy materials as an aid to small groups that are having problems getting out separate newsletters. The idea was offered during the officers meeting at the recent Lima Faire. We are showing support toward further specifics in the development process.

E.M. got no volunteers to his request for a Demo at the October meeting. If you have something, GIVE!

We seven sort of faithfull few adjourned on time.

Bob Buehler, Secy-Treas.

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STUMBLINGS

by

Joe N. Simmons

Have you ever stumbled on to a new technique either at the computer or in another club's newsletter? If so, this column is for you. The geniuses will be so deep in thought that they will never know that they missed these stumbles! Enough gibberish.

The following article was found in a highly respected archive of stumblings. If you are trully into the use of MultiPlan in your calculations, you should write R.A. Green;1032 Chantenay Dr.;Gloucester, Ont.;Canada;K1C 2K9. He has upgraded MP which recalculates nearly instantly and has speeded up the data entry time. At times one feels he is using lotus on an IBM; however MP is better! His latest version is 4.0.

Recently while running the MultiPlan MP through its paces, I relearned some of the basics. One was that you can recalculate an individual cell through the use of the edit key. Often this is very helpful due to the long time of 3 minutes or more for MP to recalculate the entire worksheet.

I found that one can not copy a row of cells more than one row or column at a time. This is very inconvenient; however, MP will allow the same instructions be prompted by the computer to prevent you from having to replace the instructions each time.

On Xternal copy, one needs to have named the cell or field before hand and have saved the file to disk. Otherwise, it will never be found when Xternal Copy is initiated.

Using a file created by our Lloyd Wilson one can embed printer controls into your worksheet so that it will be printed as you want. Using it in condensed format with the printing width at 132 columns, one can print a wide column worksheet on 8 and one-half inch paper. The printing width is found under the margin option one has after pressing the Printer command. The default is 71 columns.

Finally with MP, I had not used it in several months and I had forgotten how easy it was to do some calculations using some constant values where multiplication, division, addition, and subtraction were involved. If you ever use a green lined worksheet to work out alternatives, you will find that MP is a very helpful tool. Recently, one of the K-town members had his for sell at \$20 and a new member was hesitant to pay this huge sum. It is still worth the \$90.00 I paid for it.

Today, Ellen wanted to print a form letter to several parties and asked that the computer write the letter on the Gemini 10X and she would duplicate the copies she wanted on the xerox. However, was she ever surprise when Tlwriter did this one letter after the other using the mail list routine. Someday she may even take on the computer and learn how useful my toy really can be.

Enough stumbling for this month...Joe//11:50 hrs.
Aug. 21, 1988.

Dops! ... I gave myself away

October meeting at Joel's

Joel had two XB programs to be debugged. Surprisingly these two debuggings took two neophytes all day through two large pizzas, two 2liter mello-yellows, a pot of coffee, and several glasses of water. As with most computer sessions, time seems to fly when one is having a good time. We were so engrossed that we fail to take advantage of Joel's swimming pool! One of the program displays on screen all d/v and d/f files and the other prints out an envelope with to and from address. Actually, it was not until I had slept on it did I figure out the reason it would not print correctly.

MAIL BAG:

No Mail this month.

Enough stumblings for this month...Joe//07:22 hrs.
10/24/90 at Etowah, Tennessee.

THIS
SPACE
RESERVED
FOR
YOUR
ARTICLE!

K-TOWN 99/4A USERS GROUP

OFFICERS:

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V. President BILL SHERIDAN	970-3647
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Librarian - Larry Nelson	745-0648

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