MANASOTA USER'S GROUP

REM 99-4A
STATEMENTS

MEETING REMINDER

NEXT MEETING DATE:
Monday, March 7
VO-TEC; BUILDING 2 ROOM 203
(Office Occupations & Data Processing)

MAR.		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

LAST MEETING REPORT. . .

OUR FEBRUARY MEETING WAS WELL ATTENDED, IN SPITE OF RATHER WIDESPREAD SICKNESS. NINE MEMBERS AND ONE GUEST WERE ON HAND TO GET A FIRST-HAND LOOK AT THE PR-BASE PROGRAM AS INTRODUCED BY PRESIDENT HAROLD KRANTZBERG, IN THE ABSENCE OF HERB RINGETT WHO WAS STRICKEN WITH A VERY VIRULENT FLU BUG.

(SEE PAGE 2 FOR A SUMMARY OF THE OUTSTANDING CHARACTERISTICS OF THE PR-BASE PROGRAM.)

THE EVENING'S GUEST WAS MRS. CATHERINE (KAY) BURKARD, WHOSE APPLICATION FOR FULL MUG MEMBERSHIP HAS BEEN RECEIVED AND APPROVED. KAY'S APPLICATION INDICATES THAT SHE WILL BE ONE OF OUR MORE COMPLETELY EQUIPPED TI-USERS. HER INTERESTS INCLUDE WORD PROCESSING, DATA-BASING, AND SPREAD-SHEETING (MULTI-PLAN). HER BIG PROBLEM, AT THE MOMENT, IS TO GET HER (EPSON) PRINTER TO ACCEPT COMMANDS FROM HER COMPUTER. HAROLD AND DAN HAVE BEEN WORKING WITH HER IN AN EFFORT TO CORRECT THE PROBLEM, WHICH, AS OF THIS WRITING, REMAINS UNSOLVED. ANYONE WITH IDEAS SHOULD CONTACT KAY AT 484-4330.

COMING UP IN MARCH . . .

THE PROGRAM FOR MARCH WILL BE ANOTHER "DOUBLE FEATURE". RUTH COLLINS WILL BE USING "SCREEN DUMP" TECHNIQUES IN ORDER TO PRODUCE "BIO-RHYTHM" PRINTOUTS, BASED UPON DATA VOLUNTEERED BY CONSENTING MEMBERS OF THE AUDIENCE. FASCINATING SUBJECT, RIGHT? SECONDLY, PRESIDENT KRANTZBERG WILL BE DEMONSTRATING SOME OF THE TYPE FONTS THAT ARE AVAILABLE WITHIN THE CAPABILITIES OF "TI-ARTIST".

LOUISE WILDER AND RUTH COLLINS,

PROGRAM DIRECTORS.

NEWS FROM THE BOARD . . .

ALTHOUGH THE BOARD WAS UNABLE TO MEET IN FEBRUARY, TREASURER CHAUNCY HOWARD, REPORTS INFORMALLY, THAT THE TREASURY IS STILL HEALTHY AND CAPABLE OF MEETING ALL EXPECTED FISCAL RESPONSIBILITIES. ALSO, ART WILDER REPORTS THAT A MOBILE EQUIPMENT CART HAS BEEN PRODUCED, AND WILL BE IN USE AT OUR NEXT MEETING.

SPECIAL NOTE . .

WORD OF ANOTHER TI BULLETIN BOARD HAS JUST BEEN RECEIVED. INTERESTED PERSONS MAY WANT TO CONTACT "TI HAVEN"; PHONE (BRANDON) 633-1723.

PR-BASE, VERSION 2.0
A SYSTEM OVERVIEW

BY WILLIAM N. WARREN
2373 IRONTON ST.
AURORA, CO, 80010

PRICE $10.00.

THE FOLLOWING INTRODUCTORY COMMENTS HAVE BEEN EXERPTED FROM THE DOCUMENTATION ACCOMPANYING THIS USEFUL DATA-BASE SYSTEM. THEY SERVE TO INDICATE THE UNCOMPLICATED LANGUAGE WITH WHICH THIS SYSTEM IS INTRODUCED TO THE USER. ANYONE WISHING TO PROBE MORE DEEPLY INTO ITS VARIOUS APPLICATIONS WOULD DO WELL TO READ THIS DOCUMENTATION IN ITS ENTIRETY. A COPY OF THE SAME MAY BE HAD BY CONTACTING ART WILDER.

"PR-BASE, A PERSONAL RECORD MANAGEMENT SYSTEM FOR THE TI-994A, IS DESCRIBED AS A DISK-BASED, FAST-ACCESS, DATA BASE MANAGEMENT SYSTEM. WITH IT, YOU MAY DESIGN YOUR OWN DATA BASE SCREENS, BUILD UP TO FIVE CUSTOMIZED TABULAR REPORT FORMATS, CUSTOMIZED MAILING LABELS, AND SAVE COMMONLY USED PRINTER CONTROL CODES. YOU MAY QUICKLY ADD, EDIT OR DELETE DATA."

"DATA MAY BE RETRIEVED WITH THREE SEARCH METHODS: GLOBAL DISK SEARCH; FIELD DISK SEARCH; AND SUPER FAST MEMORY INDEX SEARCH. DATA FOUND WITH THESE SEARCH METHODS MAY BE OUTPUT TO YOUR PRINTER OR DISK FILE AS SCREEN DUMPS, TABULAR REPORTS, OR ONE-OR-TWO-ACROSS MAILING LABELS, AND MAY BE INCORPORATED INTO OTHER DOCUMENTS WITH ANY DISPLAY VARIABLE 80 TEXT EDITOR, SUCH AS TI-WRITER, OR THE EDITOR OF THE EDITOR ASSEMBLER."

"DATA MAY BE SORTED BY ANY FIELD IN SECONDS WITH THE "S" COMMAND. THE NEW SELECTIVE INDEXING FEATURE ALLOWS THE USER TO QUICKLY ISOLATE AND SORT PORTIONS OF THE DATA BASE. YOU MAY USE ANY OF THE SINGLE STEP COMMANDS TO EXAMINE DATA, EITHER IN SORTED ORDER, OR IN THE ORDER THAT THE INFORMATION IS STORED ON THE DISKETTE."

A DATE TO REMEMBER . .

4TH ANNUAL
COMPUTER FAIRE & EXPO
MANATEE JUNIOR COLLEGE
SOUTH CAMPUS

SATURDAY, MARCH 19
10:00 A.M. TO 4:00 P.M.

:CIN-DAY * CIN-DAY * CIN-DAY * CIN-DAY:

TWO TI WRITER TIPS

The Formatter makes sure that you have two spaces after each period. This can cause such strange things as:

Mr. Smith
1023 N. Fargo Street

These extra spaces jump off the page to the reader as simply wrong. The easiest way I have found to solve this is to use the ^ sign to control the spacing. Mr.^Smith will print with just one space as will 1023 N.^Fargo Street.

FROM THE PRESIDENT'S DESK . . TO ALL MUG MEMBERS:

THE IMPORTANCE OF THE LIBRARY CATALOGING RELEASED LAST MONTH, CANNOT BE OVER-STRESSED. TO BE SURE, SEARCHING FOR USEFUL UTILITIES CAN BE DULL, AND TIME-CONSUMING. HOWEVER, THE REWARDS CAN BE GREAT. BESIDES, WHATEVER COMES OUT IS FREE! RIGHT?

HOPEFULLY, ALL MEMBERS HAVE BEEN GIVING SOME THOUGHT TO THE PROBLEM OF DEVELOPING MORE MEANINGFUL, AND USEFUL, MEETING TOPICS. PLEASE DO FEEL FREE TO SHARE THOSE THOUGHTS WITH THE BOARD SO THAT WE CAN WORK TOGETHER IN BRINGING YOU THE KIND OF PROGRAM THAT WILL BE MORE EFFECTIVELY ADDRESSED TO YOUR INDIVIDUAL NEEDS.

FINALLY, PLEASE REMEMBER THAT ALL MEMBERS ARE WELCOME TO ATTEND OUR BOARD MEETINGS, TIME AND PLACE OF WHICH WILL BE ANNOUNCED AT OUR REGULAR MONTHLY SESSIONS.

HAROLD KRANTZBERG, PRESIDENT.

MULTIPLAN TUTORIAL CONTINUED........

ON PAGE FOUR YOU WILL FIND THE LATEST AUDREY BUCHER MULTIPLAN TUTORIAL, COURTESY OF THE PUG PERIPHERAL NEWSLETTER. I THINK THIS IS THE BEST LESSON IN THE SERIES. PLEASE COME TO THE NEXT MEETING PERPARED TO DISCUSS IT.

SPEAKING OF GREAT TUTORIALS, HERE IS ONE OF "TI WRITER TIPS" BY DENNIS SHERFY, WHICH I FOUND IN THE HOOSIER HUGGER'S NEWSLETTER. THIS IS AN IDEA I HAVE USED, AND IT CAN SAVE TIME IF YOU ARE TYPING A LONG PAPER.

TI WRITER TIPS
by Dennis Sherfy

If you are writing a paper which includes a long word, or complex name, used several times, don't type it over and over. Instead, pick an abbreviation such as xx. Pick a couple of letters which you can type quickly which will never appear together in your letter. Use the abbreviation in place or your long word. Then, when you are finished, use Replace String to substitute the long word for your abbreviation. TI Writer will replace a dozen such words in seconds. The Replace String entry might be: /xx/National Geographic/.

You can use a single letter abbreviation if you set up your Replace String command properly. Use a letter which can never stand alone, such as m. Then write your Replace String command as:

/ m /motion sickness/

This command will replace each m that has a space before and after the letter and will not bother an m used as part of another word. The drawback with the single letter method is that it will not work at the end of a sentence. / m /motion sickness/ will not replace "m". The computer sees the period as another letter. On the other hand, I can't think of any words containing qq, ww, yy, hh, jj, kk, zz, xx, cc, or vv. You could also use a characeer like the tilde, but it requires pressing two keys at once, which is probably slower for most people.

TRY BLINKING

This suggestion came from the PUN newsletter "When you're working on your vidio display terminal, BLINK, and you'll eliminate one cause of eye fatigue", says one Ohio opthaleologist. "While using VDT," wrote Dr. Frank J. Weinstock in a letter to the Journal of the American Medical Association, "The user has a tendency to stare and decrease blinking to avoid missing anything on the screen." This, and not the screen itself, is what usually causes a sense of eye fatigue, he wrote. "Blinking provides eye lubrication and reduces that 'tired eyes' feeling significantly", he said.

MULTIPLAN

PART 4

Back to the template. By now, you have your column headings in Row 3. To make your printout look nicer, you may want to realign R3 to center the headings. F for Format, C for Cells, Type in R3, tab over to align and hit C for center. Now you can begin to enter the information from your checkbook for January. Start with the check balance at the beginning of the month. This item has no check number and it's amount is not allocated to any expense so put the ALPHA description FORWARD in R4C2 (under Paid To) and then right arrow until the cell pointer is in the Balance Column (R4C11). Type the amount and press ENTER. Next you can begin filling in checks and deposits. At R5C1 enter the first check no. for January. Let's use 1234. As soon as you press enter, you'll see we need to make an adjustment. 1234.00 has been entered. This is because of the new default format we entered which is fine for dollars and cents but not so great for check nos. So we simply change the format of the cells in column 1 to be whole numbers or integers. And while we're at it, let's change the alignment format for C1 to Left to make a neater printout. Choose F for format, then Cells. To change all the cells in Column 1, type C1 where the system says Format cells, tab to align, type L, and tab to Format code and type I for integer. Now press ENTER and watch as the system changes the check number to 1234 and moves it to the left of the column. Next move the cell pointer to R5C2 and enter the payee for ck #1234 (let's use Duquesne Light). The check for $65 was a utility expense so right arrow to the utility column (R5C6) and enter 65.

Now we want to have the system calculate the new balance and put the answer in the Balance Column in R5. Check #1234 just happened to be entirely for utilities . Some checks however may be split among 2 or more expenses. So what we really want for the balance on the row is the balance from the previous row minus the sum of

any expense on this row. Some rows will show income instead of expense so we need to enter a general formula here because the equation for the balance in row N should be the balance at N-1 plus the income in row N minus the sum of the expenses in row N. Sound confusing? Don't worry, it's harder to say than do with Multiplan. Put the cell pointer at R5C11 where the balance to be calculated belongs. Next press = to tell the system you are going to enter a formula. The first term in the formula is the balance from the row above. Use the up arrow to move the cell pointer to the above balance. You will see the expression R[-1]C in the command line. This means the cell at row minus one in the same column. Next we want to add any income from the current row. Hit + and the cell pointer pops back down to R5C11 (where we started building the formula) and the formula is now R[-1]C+. Select the deposit amt. for the same row by left arrowing until the cell pointer is in the deposit column. Notice that the formula is now R[-1]C+RC[-8]. Since the deposit is in C3 and the balance is in C11, you can see why MP expresses this as Column minus 8. Now for the formulas third term. We want to subtract the sum of any expenses in the same row from the balance. Type - and the cell pointer returns to R5C11. We will use the special function called SUM to get the sum of the expenses. When you use SUM, you must tell MP what cells to add together in a FROM:TO expression. Type SUM(and then indicate the first cell to include in the sum by left arrowing until you are under the first expense which is Food in C4. Type : to show that you're ready to put in the last cell to include in the sum. Again the cell pointer pops back to R5C11. Left arrow once to select the last cell of the group of expenses to be added together. Finally type) to close the expression and then press ENTER. The finished formula is
R[-1]C+RC[-8]-SUM(RC[-7]:RC[-1]). MP will calculate the balance and fill in

R5C11.
The formula applies only to R5C11 but we'd like it to be used on every row in the balance column. Since we have expressed the formula in relative terms (for example, using R-1 instead of R4) the same formula can be used for every balance. You can have as many entries as you need for the month and just copy the formula down that many rows. Let's just assume you will have 10 entries. With the cell pointer still at R5C11, invoke the Copy command by typing C, then choose the option D for down and type 9 at number of cells. Press ENTER. MP will copy the formula down 9 rows. For now, this will give you identical balances in all 10 cells because there are no income or expense entries below R5 as yet. This will change as you make more entries.
When you finish filling in the checks and deposits, the final touch is to add the totals for the income and expense columns. Label the totals line by skipping a row after the last check no. and entering TOTALS under the Paid To column. Arrow one to the right and prepare to enter a formula by typing =. Here we'll use the SUM function again. Enter SUM(and then arrow up to R5C3 for the first item to sum. Type : and then use the up arrow for the last item (R14C3). Finish your formula by typing). Check that the formula is SUM(R[-1]C:R[-2]C) and then press ENTER to see the income total appear. To total the other columns just copy the formula 7 cells to the right. C for copy, R for right and 7 for no. of cells.
Now press Function 8 and the entire sheet will be recalculated. Save your worksheet by pressing T for transfer, S for save and then enter a filename where the system says TEMP. If you have not recalculated with Function 8, MP will automatically do so before saving your spreadsheet. Next month we'll talk about printing the spreadsheet. If you have any questions, feel free to call.

JUST TO MAKE SURE EVERYONE HAS A LITTLE FUN WITH THEIR COMPUTERS THIS MONTH, I HAVE INCLUDED THE FOLLOWING ONE LINE PROGRAMS FROM TONY FALCO WHICH APPEARED IN THE M. U. N. C. H. NEWSLETTER. AFTER READING THE AUTHOR'S COMMENTS, TRY TYPING THE PROGRAMS IN AND SEE IF YOU UNDERSTAND HOW THEY WORK. I AM AMAZED AT WHAT HE CAN DO WITH JUST A ONE-LINER.

A FEW YEARS AGO I USED SIMILAR FORMULAE TO CREATE FOUR PROGRAMS FOR MY GRANDCHILDREN WHICH I THOUGHT WOULD IMPROVE THEIR MATH SKILLS. YOU MIGHT PROGRAM A MENU WHICH WOULD ALLOW YOU TO GO FROM ADDITION TO MULTIPLICATION, AND DIVISION, AND ETC WITH A CALL KEY APPLICATION. ANOTHER NICE TOUCH IS SOME KIND OF MUSICAL REWARD FOR THE CORRECT ANSWER. I THINK YOU WILL BE PLEASED WITH WHAT YOU CAN LEARN ABOUT PROGRAMMING BY SUCH AN EXERCISE.

FROM THE MAILBOX

REPRINTED FROM THE M.U.N.C.H....JAN. 88

MATH ONE LINERS

by Tony Falco

Many math students encounter difficulties simply because they lack experience. They say they understand a concept and quite likely they do, but they make a great number of careless errors and then begin to think they really did not understand at all. It is possible to "understand" and yet to not have skill. We acquire skill through practice. The one liners listed below provide practice at essential math skills that students in grade 7 and beyond will encounter. They provide practice at adding, subtracting, multiplying and dividing integers. (signed whole numbers.) And each one can be entered by editing the previous one. Each provides a sound when a wrong answer is supplied and each tells how many out of 10 problems were wrong. Computers can be very patient when it comes to drill.
    For an uncluttered screen use CALL CLEAR :: RUN.

```
1 RANDOMIZE :: FOR N=1 TO 10
:: PRINT :;:;:: A=INT(41*RN
D)-20 :: B=INT(41*RND)-20 ::
 DISPLAY AT(23,8):A;"+ ";B;"
=" :: ACCEPT AT(23,20):C ::
W=W-(C<>A+B):: CALL SOUND(55
0,110,-30*(C=A+B)):: NEXT N
:: PRINT W;"WRONG"
```

```
1 RANDOMIZE :: FOR N=1 TO 10
:: PRINT :;:;:: A=INT(24*RN
D)-12 :: B=INT(24*RND)-12 ::
 DISPLAY AT(23,8):A;"X ";B;"
=" :: ACCEPT AT(23,20):C ::
W=W-(C<>A*B):: CALL SOUND(55
0,110,-30*(C=A*B)) :: NEXT N
:: PRINT W;"WRONG"
```

```
1 RANDOMIZE :: FOR N=1 TO 10
:: PRINT :;:;:: A=INT(41*RN
D)-20 :: B=INT(41*RND)-20 ::
 DISPLAY AT(23,8):A;"- ";B;"
=" :: ACCEPT AT(23,20):C ::
W=W-(C<>A-B):: CALL SOUND(55
0,110,-30*(C=A-B)):: NEXT N
:: PRINT W;"WRONG"
```

```
1 RANDOMIZE :: FOR N=1 TO 10
:: B=INT(13*RND)-7 :: B=B-(B
=0) :: A=(INT(25*RND)-12)*B
:: PRINT :"         ";A;"/";B;"
=": :: INPUT C :: W=W-(C<>A/
B) :: CALL SOUND(550,110,-30
*(C=A/B)) :: NEXT N :: PRINT
W;"WRONG"
```

Editors note: To enter extra long program lines, use Function Redo. Enter as much as you can. The cursor will stop at the end of the 5th line. Press enter, then Fctn 8. The line will reappear. move cursor to end of line and continue typing.

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THROUGH THE EFFORTS OF THE:
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DUES ARE DUE FOR THE 1987-88 YEAR

********** **********
TO JOIN M.U.G. AND ENJOY THE BENEFITS OF USER GROUP MEMBERSHIP:
CALL ONE OF THE OFFICERS LISTED ABOVE, OR WRITE TO H. BURGETT AT 6625 ROXBURY DRIVE, SARASOTA, FL. 33581.
OUR DUES ARE TWENTY DOLLARS FOR EITHER FAMILY OR SINGLE PER FISCAL PERIOD.

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