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Supporting the TI-99/4A and 9640 in Eastern Iowa for over 10 years!

NEXT MEETING: 6:30 PM MAR 8, 1994

BOB WAHLSTROM'S HOUSE

CONTENTS

HELP!!! Once again I have run short of information to print in our newsletter. Please send MONEY!!! OOP'S I mean arcticles, and I don't mean clothing. I was going to write the story of how I sucessfully connected my new Hewlet Packard 550C printer to my TI99/4A and printed this newsletter. But alas after several nights of frustration that article didn't become a true story. So far I have only been able to print from the editor portion of TI-WRITER. The printer codes are not Epson-compatible. The HP codes contain characters that I can't seem to recreate with my TI. (ex. E_c and ℓ) Sending the codes in their DEC. and HEX values didn't seem to work either. Any ideas?

Jeff Craft

THE LIST by Bill Paeth

Have you ever wanted to pair up a list of items with a group of people? Additionally you would want to periodically change the item each person has and also would want to ensure that any one person does not get the same thing more then once in a cycle. One additional restriction would be that it must be a totaly random rotation.

My family has been doing this since sometime in the 1970's. We called it the Christmas Draw. In the begining it literally was a draw in that we put all the family names in a hat and let everyone draw one out. Many restrictions had to be placed on this event. Like "not your name" and "not last year's name" etc. What this really caused was a lot of name trading through out the years.

We finally found that a good mix would be generated by listing the family members on a sheet of paper along with their current drawn name. The same list could then be used after shifting the names by one space each time and matching the names across the matrix.

In 1993 a new list had to be generated because of two drops and one new addition. After a lively discussion at the dinner table the following rules were established:

1. No one could have their own name.
2. Everyone would have each of the
other members by the end of one cycle.
3. It would be totally random.

Shortly there after we three retired to my computer room and proceded to rough out the following program. I sat at my TI 99/4A with "EXTENDED BASIC". My son Pete loaded IBM "QBASIC". And Scott sat between us writing the program in "APPLE BASIC" in his head because his Apple 2e was in Des Moines. We actually got both the TI 99 and the IBM programs to do what we wanted. At this time we only have Scott's word that it should work on the Apple. All numbers are written to each loop randomly so the next to the last loop can take quite a long time. By the way I am number 9 on THE LIST.

```
1 ! "THE LIST" RANDOMIZED
2 ! WRITTEN BY BILL PAETH
FOR THE TI99/4A WITH XB
3 ! WITH THE HELP OF PETE
PAETH ON THE IBM AND SCOTT
JOHNSON ON THE APPLE 2e
4 ! RELEASED THRU THE "CEDAR
 VALLEY 99ER USER GROUP" OF
 CEDAR RAPIDS, IA   DEC 93
5 ! THIS PROGRAM IS DESIGNED
 TO GENERATE A LIST OF PAIR-
ED ITEMS RANDOMLY AS IN A
6 ! CHRISTMAS GIFT EXCHANGE.
100 RANDOMIZE
110 DIM CH(30,30)
120 FOR X=1 TO 9
130 CH(X,9)=0
140 NEXT X
150 FOR Y=1 TO 8
160 PRINT "LOOP";
170 PRINT Y
180 FOR Z=1 TO 9
190 C=0
200 A=INT((RND*9)+1)
210 IF C=20 THEN GOSUB 500
220 IF Z=20 THEN 190
230 IF A=Z THEN C=C+1
240 IF A=Z THEN 200
250 IF CH(A,9)=1 THEN 200
260 IF Y=1 THEN CH(Z,Y)=A
270 R=0
280 FOR S=1 TO Y
290 IF Y>1 AND A=CH(Z,S)THEN
 R=1
300 IF Y>1 AND A=CH(Z,S)THEN
 S=Y+1
310 NEXT S
320 IF R=1 THEN C=C+1
330 IF R=1 THEN 200
340 CH(Z,Y)=A
350 PRINT Z,A
360 CH(A,9)=1
370 NEXT Z
380 FOR X=1 TO 9
390 CH(X,9)=0
400 NEXT X
410 NEXT Y
420 CALL CLEAR
430 FOR X=1 TO 9
440 FOR Y=1 TO 8
450 PRINT CH(X,Y);
460 NEXT Y
470 PRINT " "
480 NEXT X
490 END
500 Z=1
510 CH(1,9)=0
520 CH(2,9)=0
530 CH(3,9)=0
540 CH(4,9)=0
550 CH(5,9)=0
560 CH(6,9)=0
570 CH(7,9)=0
580 CH(8,9)=0
590 CH(9,9)=0
600 PRINT "LOOP";
610 PRINT Y;
620 PRINT "AGAIN..."
625 RANDOMIZE
630 RETURN
```

NEXT MEETING: Tuesday

March 8, 1994   6:30PM

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