

K3 USERS GROUP
PO BOX 11941
KANKAKEE, ILL
60901



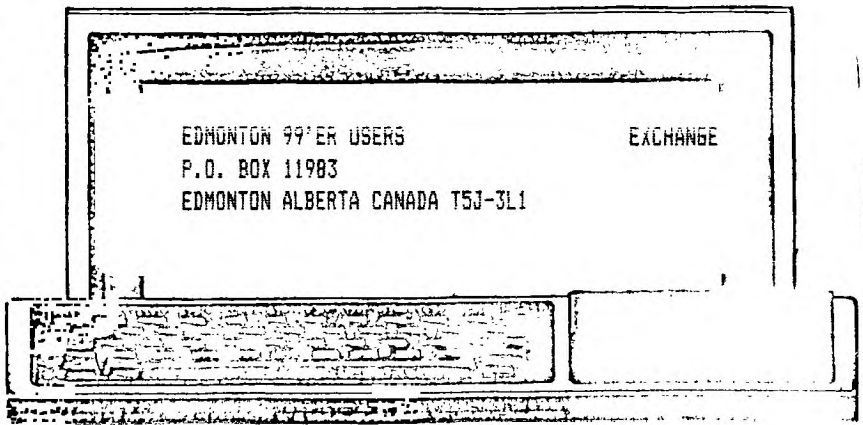
NEXT MEETING

APRIL 20, 1985

1pm - TIL 4pm

BOURBONNAIS MUNICIPAL
CENTER

HOPE TO SEE YOU THERE!



EDMONTON 99'ER USERS
P.O. BOX 11983
EDMONTON ALBERTA CANADA T5J-3L1

EXCHANGE

K-3 T.I. USERS' GROUP NEWSLETTER

APRIL 1985
EDITOR MARK HARMS

The big news of the month is the new format of the newsletter. The way it is now we will gain more room for more articles and programs. If only more of the membership would submit and give us a better variety if information it would be easier to fill this new space. So how 'bout it?? let's let everone in on the new things that you learn on you TI.

Next on the list is the quality of the print. As you can tell it is not quite as good as before, but we are not paying \$50.00 a month to get it printed. The reason for this is that I have aquired two Xerox machines of the same model, one is from Joe Deno and the other is from Robert Pitman, from the two of these machines and with the help of Bill Danderand (a Xerox tech.) I was able to make one working machine that has produced this newsletter at a cost of only \$28.00 to the club. I hope as time goes on that I learn more of this machine so that I can improve the copy quality and still hold down the cost.

One last thing the club is still looking for an empty P.E. Box for the club system let one of us now if you find one.

MINUTES FEBRUARY K3 USERS GROUP BOARD MEETING BY GEORGE LEMPEOTIS SECRETARY

At the February K3 Users Group board meeting there where 9 board members in attendance. The library had a slow sales month in February at the general meeting. The board decided to purchase a copy of Starting Forth by Brodie, the book listed in the TI Forth manual.

The board members voted to reformat the general meeting. The library will open from 1:00-2:00pm, the introduction and demos will be presented from 2:00-3:00 pm, and the library will again reopen from 3:00-4:00 pm. The April 20, 1985 general meeting will feature a demo of a 80/ collum merge program by Mark Harms and Jim Johnston, and a demo of the SST Basic Compiler by Al Johnson. At 4:00pm the second session of our basic lesson will begin, so bring a console and a TV set. The board members also decided to try a free raffle (door prize) of a TI module or program for all club members in attendance at the April meeting.

The board members also voted to try a garage sale in spring (possible May), in order to generate funds. Anyone would be able to donate items for sale or offer items to be sold by the club for a percentage of the sale price. More details will be given in upcoming meeting and newsletter.

That is about all we covered at this board meeting, hope to see you at the April meeting.

LIBRARY NEWS

By Dave Cook

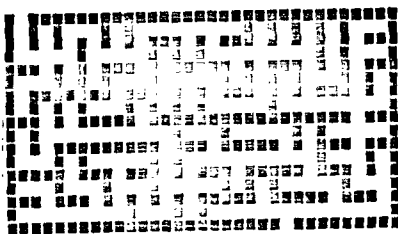
Library business has not been very good, lately. We seem to have lost some of our popularity. Does anyone have any ideas for future purchases? It would be nice to know what you want to see by being told. I don't always guess right when it comes to what might be popular. Tell me!!!

I will be ordering some new public domain disks very soon. These will be available at the going rate for public domain software copying. They are as follows: A TI-99/4A SYSTEMS DIAGNOSTICS disk that will enable you to pinpoint a problem down to a specific piece of hardware, TE-2 EMULATORS (300-1200b)- TE2 on disk, and 2 HAM RADIO PROGRAM DISKS for joining a TI to HAM radio. Future purchases will be a set of 8 disks containing programs, text, E/A, XB, and tricks. These will make our public domain library just bursting with good stuff. Of course, we already have some good stuff that some of you just don't know about. Have you seen or heard the great disk that was so generously donated to us by Tigercub Software? There are some excellent music programs and a program that takes the pain out of typing music programs in because all of the CALL SOUND statements have already been entered for you. All you add is your own data. Sound good? It is! We also have a lot of other neat stuff like FORTH, Extended Basic Utilities, Super Debugger, TI-Writer and MultiPlan enhancements plus a lot more. Check out the public domain library. You might find just what you're looking for. Hope to see you at the meeting!

The following people have late rentals. Late charges will be applied. Remember, if you have it, we can't rent it.

Brian Mackie - Burgertiae
Ken Kubacki - Pole Position
Warren Nehls - SAMS book

PUZZLE FROM BRUCE SHEARER



MEMBERSHIP NOTES

By Bev Cook

Our membership is slowly slipping. Maybe it is due to the lack of interest on some members part, but our renewal rate is not very good. How can we help our members to understand our problem if we never hear from them? Please, let us know our shortcomings. We can handle criticism (and praise for that matter). We acquired a lot of new members last December and January ('83), when the price of the 4A plunged. A lot of people bought them thinking they were getting a bargain. They were right!!! We have a lot to offer. If you haven't attended a meeting recently, please do. You may be pleasantly surprised at what you can still get for your meager purchase. Our membership is \$7.50 per year, a bargain, for all that we offer. Come on in and check us out again.

The following people are due for renewal. If your renewal date was February this is the last newsletter you will receive.

FEBRUARY

Duane Erwin
Jeramie Messenbring

APRIL

Doug Lieb
Paul Parkhill

MARCH

John Kujawa
Brent Terrell

MAY

Philip Westin
Ken Kubacki

#####

CLASSIFIEDS

FOR SALE: Two(2) TI modems. \$50.00 ea. Contact Jim Johnston at a group meeting.

FOR SALE: TI Writer and several TI game modules. Contact Bruce Shearer at a meeting or phone 815-933-5788

FOR SALE: Complete TI system, plus many extras. Contact Dan Morrissette. Phone 815-426-6697

WANTED FOR THE USER'S GROUP LIBRARY: TI PILOT DISKETTE Any person having these please contact us C/O group at our P.O. box or see Mark Harms or Bev Cook at a meeting.

FOR SALE: Miner 2049'er module and Burgertime module. Contact Rich De Roos or librarian at a meeting.

FREE PROGRAM LISTING

The following people have programs coming under our attendance giveaway. Programs can be ordered on tape or disk. Bring your own tape or disk or you may purchase one at our meeting. Look through the catalog at the library and place your order with the librarian. The number after your name indicates the number of free programs you are entitled to. Don't remember how the program works? Check with the librarian at the meeting for details.

- Bruce Shearer 3
- Bev Cook 3
- Jim Johnston 3
- Dan Hessling 1
- George Leapeotis 3
- Rich De Roos 3
- Greg Feige 1
- Mark Haras 3
- Glen Flowers 3
- Richard Ludlow 1
- Larry McRoberts 3
- Don Duncan 3
- Paul Parkhill 1
- Louis Surprenant 1
- Herbert Zoll 1
- Marilyn Brusherd 1
- Fred Jacobazzi 1

SPECIAL CHARACTERS
BY: THE TIGERCUB

Are you making use of those special characters that are available on your Gemini printer? You didn't know about them? Try this. 100 OPEN #1:"PIO":PRINT #1:"(hold down the CTRL key and type 1234567/ and then hold down the FCTN key and type (<)/0;BHJKLMNBY) ". RUN. Surprised? Some of those can be very useful, such as the true division sign that you get with FCTN H. There are many more of these that you can access by CHR%. For a complete list of them and their CHR% codes, run this. 100 OPEN #1:"PIO":FOR CH=160 TO 254::PRINT #1:CH;CHR\$(CHR);:NEXT CH::CLOSE #1. Unfortunately, these cant't be used out of TI-Writer.

Α×ΘτϕουπΣσ±Ο×÷Ααϛεμ*

I have been over looking another feature, the skip-over perforation feature. PRINT #1:" N"%CHR\$(6), use (CTRL.) in the space since this causes the printer to interpret the blank space as a escape. This makes it possible to LIST"PIO" a program or PF PIO from TI-WRITER editor without printing right across the perforations.

TI FORTH PART 1

It seems as tho there are about 200 or more copys of TI FORTH floating around in the Chicago area. When i put a message on the BBS "DOES ANYONE HAVE TI FORTH PROGRAMS?" i recieved NO response. So lets see if we can do something about that.

First we will say that what we are going to do is for one disk drive that is single sided and for thoes of us who have DS/SDs, start playing.

What we are going to do is make our TI FORTH disk load with just about all the options, in about 15 to 20 seconds. Just about 1/100th of the time it takes the systems disk to load the same options. It is called BSAVE. That is binary image of what is in memory.

Before we get to that let us start with the SYSTEMS DISK and the EDITOR/ASSEMBLER cartridge. We need a console a disk drive a 32k card. That is what we need to run TI FORTH.

Take the SYSTEMS DISK and put a WRITE PROTECTION TAB over the little square notch that is cut out or a peace of tape over it. Now place the SYSTEMS DISK in the drive and plug the DISK MANAGER2 cartridge into the console. We HAVE to backup the disk because i know we will blow at least 1 copy. Don't take the WRITE PROTECTION TAB of the MASTER for ANY reason.

Now we are going to use our backup copy and call it SYSTEMS DISK. It has everything we need to make TI FORTH programs.

Place SYSTEMS DISK in drive and the EDITOR/ASSEMBLER into the console.

Select #2 for E/A from the master screen.

Select #3 for LOAD AND RUN.

Now you have to type in:
DSK1.FORTH
and press enter.

Now you have the welcome screen with 20 options that you can load. The curser is flashing under the TI FORTH.

What we have to do now is correct a bug that is in screen#72. From now on we will call a FORTH screen "scr". A scr has 16 lines and has 64 characters per line. The lines start with line 0 to 15. The scr has about 1k of information. OK now we have to edit scr#72 but all we have is a menu and a flashing curser. You have to make a choice weather you want a 64 column display or a 40 column display. I use the 64 because i use a 19 inch monitor. You can try one and then try the other to see which is the best for you.

We will load the 40 column editor first. So lets get started, type in:
-EDITOR

Just as you see it here.
press enter.

The system now goes to the disk and looks for scr#34 because the word -EDITOR=34 LOAD, it will load scr 34 thru 38 and put everything in memory then comes back and says ok. Now we have an editor with nothing in it, so we need a scr to edit. We have the curser in the next line and the computer said ok. That means it got the editor, ok your last command. If something went wrong it would have told you so by giving an error but if you have an ok lets go on.

Type in:
72 EDIT
press enter.

Now we have something to edit, one of TIs bugs. Look at line #5 the first word PAB_ADDR this is the bug it should be PAB-ADDR not the underline character but the minus character. This scr is for alternate output to RS232 for hard copys. Great you say my printer is PIO now what do i do? No problem just change the words in line 4 where it says

RS232.BA=9600 to:
PIO

Now the line should look like this:
4 SET-PAB OUTPT F-D" PIO" OPN 3

We are set up for PIO printer now so we have to make it permanent, just a figure of speech, nothing is permanent. the computer has marked this scr as update, so we have to write it to disk. So now hold down the function key and press 9. We are bac' in command mode. The curser is almost at the bottom left and flashing.

Type in:
FLUSH
press enter

The new data has just been printed to scr#72 on your disk. No more bug.

Now lets try the 64 column editor. The curser has come back after the ok, so type in:

COLD
press enter

We can't use both editors at the

same time so the word COLD booted the FORTH kernel and started from scratch.

Now we can load the 64 editor so type in:

```
-64SUPPORT  
press enter
```

Set back and relax for a while, this is what bugged me I always use 64 editor. You can read the FORTH manual, look thru it you may find something interesting, if you took the time to download this you better learn to love that book. Another book "STARTING FORTH" by Leo Brodie, good book. By now we should have 64support and a ok. Try to edit scr72, play around all you can do is blow the program on the disk or lock up your system. Either is no big deal, you still have your MASTER SYSTEMS DISK.

Remember the command:
72 EDIT

If you change the number 72 to anything else, you will change the scr you are going to look at or edit. FORTH scr are numbered from 0 to 89, so you have 90 scr per disk, this can be changed but we will take 1 task at a time.

Now we have a workable disk, every scr on the disk works. To find out what all these scr do, go to the command mode and type:

```
MENU  
press enter
```

You can stop the scrolling by pressing the space bar and start scrolling again by pressing it again. Here are all the options you can load.

Type them in just as you see them entered. Try them one at a time, refer to the book to get more help on what they do. Play around with them enter commands see what they do. If it crashes so what, you still have the MASTER, start over again. Find the options you use the most and remember there names, in the next chapter we will show you how to make all these options load very quickly by saving the entire memory in binary image, called BSAVE.

ARTICLE BY HANK ELLEMAN

OF THE CHICAGO USER'S GROUP

ZORK HINTS

By Joy Flowers

Here is a list of the treasures to be found in ZORK I.

Beautiful Painting
Jewel Encrusted Egg
Ivory Torch
Egyptian Sceptre
Pot of Gold
Crystal Skull
Jeweled Scarab
Large Emerald
Platinum Bar
Trunk of Jewels
Crystal Trident
Jade Figurine
Sapphire Bracelet
Huge Diamond
Bag of Coins
Silver Chalice
Clockwork Canary
Brass Bangle
Ancient Parchment
Large Ruby

Sometimes it helps to know what to look for when you are treasure hunting as in ZORK I. Hope this list helps some of you in your "travels" through ZORK I.

```

1 REM Truckers Domain
2 REM Pox by Sam Moore Jr.
3 REM TEXAS INSTRUMENTS CONTRIBUTED SOFTWARE 1983
4 DIM P$(51):: CALL CLEAR :: FOR CC=1 TO 14 :: CALL COLOR(CC
,2,2):: NEXT CC :: CALL SCREEN(2)
5 PRINT "      TRUCKERS DOMAIN          ===== ";
**:" You Will Be Driving a Truck In The Hill Country Of
Texas."
6 PRINT : "      The Job Will Not Be Easy, Since You Must K
eeep Your Truck On The Road And Avoid All Obstacles."
7 PRINT : "      The Obstacles Are:" : "      1) Giant Armadil
los      2) Huge Potholes      3) Texas Sized Skunk
s"
8 PRINT "      4) Giant Jackrabbits      5) A Herd Of TurTI
es"
9 PRINT : : "Press Any Key To Continue..."
10 FOR CC=1 TO 14 :: CALL CC=CC/CC,16,2):: NEXT CC
11 CALL KEY(0,K,S):: IF S=0 THEN 11
12 FOR CC=1 TO 14 :: CALL COLOR(CC,2,2):: NEXT CC
13 PRINT : "      Each Obstacle You Hit Or Each Time You Run
Off The Road Costs You A Spare Tire." : " You Have A Large T
ruck And"
14 PRINT "You Have Driven This Danger-ous Route Before So Yo
u Have Stocked Up With 20 Spares."
15 PRINT : "You Gain A Spare With Each Level Completed, But
When They're Gone,"
16 PRINT : "You Lose!" : "But The Fun Is Seeing How Many M
iles You Can Get Under Your Belt And How High A Level You Ca
n Obtain."
17 PRINT : "PLEASE USE JOYSTICK NO. 1!" : "Press Any Key To C
ontinue..."
18 FOR CC=1 TO 14 :: CALL COLOR(CC,16,1):: NEXT CC
19 CALL KEY(0,K,S):: IF S=0 THEN 19
20 CALL CLEAR :: CALL SCREEN(2):: FOR CC=1 TO 14 :: CALL COL
OR(CC,4,1):: NEXT CC
21 FOR CC=3 TO 8 :: CALL COLOR(CC,1,4)::
NEXT CC
22 CALL CHAR(47,"FFFFFFFFFFFFFF")
23 RESTORE :: FOR I=98 TO 126 :: READ A$ :: CALL CHAR(I,A$):
: NEXT I
24 FOR I=1 TO 50 :: READ P$(I):: NEXT I
25 SCORE=0 :: LVL=0 :: TR=20 :: A=7 :: B=6 :: GOSUB 59
26 FOR LEVEL=1 TO 99
27 READ L :: A=7 :: B=6 :: CALL CLEAR :: CALL SCREEN(2):: FO
R CC=1 TO 14 :: CALL COLOR(CC,L,1):: NEXT CC
28 FOR CC=3 TO 8 :: CALL COLOR(CC,1,L):: NEXT CC :: GOSUB 59
29 TR=TR+1
30 NEXT LEVEL
31 PRINT "YOU WON IT ALL!" :: END
32 SCORE=SCORE+1 :: CALL JOYST(1,P,Y):: A=A+P/4
33 CALL GCHAR(7,A,6C):: IF GC<>32 THEN TR=TR-1 :: CALL SOUND
(-100,110,30,110,30,899,30,-4,0):: CALL SOUND(-100,110,30,11
0,30,1599,30,-4,0)
34 IF TR<1 THEN 68
35 CALL SOUND(-2000,110,30,110,30,260,30,-4,9):: CALL HCHAR(
7,A,101):: RETURN

```



```

55 DATA 12,4,10,8,14,9,3,6,15,12,4,10,8,14,9,3,6,15,12,4,10,
8,14,9,3,6,15
56 DATA 12,4,10,8,14,9,3,6,15,12,4,10,8,14,9,3,6,15,12,4,10,
8,14,9,3,6,15
57 DATA 12,4,10,8,14,9,3,6,15,12,4,10,8,14,9,3,6,15,12,4,10,
9,14,9,3,6,15
58 DATA 12,4,10,8,14,9,3,6,15,12,4,10,8,14,9,3,6,15,12
59 FOR I=1 TO 20 :: PRINT P$(I):: NEXT I :: GOSUB 32 :: CALL
SOUND(500,990,0):: LVL=LVL+1
60 CALL HCHAR(1,1,47.96):: DISPLAY AT(1,1):"PRESS/FIRE/BUTTO
N/TO/START/////////////////////////////////LEVEL";LVL:"////////////////////////////////
///SPARES";TR
61 CALL HCHAR(3,28,61):: CALL HCHAR(2,28,61):: IF LVL<10 THE
N CALL HCHAR(2,30,47)
62 IF TR<10 THEN CALL HCHAR(3,30,47)
63 CALL KEY(1,K,S):: IF S=0 THEN 63
64 FOR I=21 TO 50 :: CALL VCHAR(7,A,32):: PRINT P$(I):: GOSUB
32 :: CALL VCHAR(7,A,32):: GOSUB 32 :: NEXT I
65 FOR I=1 TO 50 :: CALL VCHAR(7,A,32):: PRINT P$(I):: GOSUB
32 :: CALL VCHAR(7,A,32):: GOSUB 32 :: NEXT I
66 FOR I=1 TO 16 :: CALL VCHAR(7,A,32):: PRINT P$(I):: GOSUB
32 :: CALL VCHAR(7,A,32):: GOSUB 32 :: NEXT I
67 CALL SOUND(500,990,0):: RETURN
68 CALL CLEAR :: CALL SCREEN(2):: FOR CC=1 TO 14 :: CALL COL
OR(CC,4,1):: NEXT CC;FOR CC=3 TO 8 :: CALL COLOR(CC,1,4)::
NEXT CC
70 CALL CLEAR :: DISPLAY AT(10,1):"YOU/HAVE/RUN/OUT/OF/SPARE
S//YOUR/SC": IS:";SCORE:"MILES.": "DN/LEVEL";LVL
71 DISPLAY AT(20,1):"PLAY AGAIN? Y-N"
72 CALL KEY(0,K,S):: IF S=0 THEN 72
73 CALL SOUND(444,880,0)
74 IF K=89 THEN 25 ELSE END

```

L O G O

by Karen De Roos

This program will make very interesting designs on your monitor screen.

After you power up your system, choose L O G O.

After the "WELCOME TO TI LOGO" message appears, type TO ART.

```

TELL TURTLE
HT
CS
SX :15
CB :1
REPEAT 90 [FD 30 BK 30 RT 4]
HOME
REPEAT 90 [FD 30 BK 30 RT 4]
SX -50
REPEAT 90 [FD 30 BK 30 RT 4]
WAIT 250
CB :7

```

```

100 REM TI-BASIC
110 CALL CLEAR
120 PRINT TAB(9);"*KUMBAYA*"
130 PRINT : :
140 PRINT TAB(7);"TRANSLATED BY"
150 PRINT
160 PRINT TAB(6);"RICHARD DE ROOS"
170 PRINT : : : : : : : :
180 FOR I=1 TO 750
190 NEXT I
200 CALL CLEAR
210 PRINT TAB(9);"*KUMBAYA*"
220 PRINT : : : : : : : :
230 FOR K=1 TO 3
240 Z=350
250 W=960
260 V=480
270 X=0
280 P=10
290 CALL SOUND(Z,262,X)
300 CALL SOUND(Z,330,X)
310 CALL SOUND(Z,392,X,131,P,165,P)
320 CALL SOUND(Z,392,X,131,P,165,P)
330 CALL SOUND(V,392,X,131,P,165,P)
340 CALL SOUND(Z,440,X,175,P,131,P)
350 CALL SOUND(Z,440,X,175,P,131,P)
360 CALL SOUND(W,392,X,123,P,147,P)
370 CALL SOUND(V,392,X,123,P,147,P)
380 CALL SOUND(Z,262,X,165,P,196,P)
390 CALL SOUND(Z,330,X,131,P,196,P)
400 CALL SOUND(Z,392,X,131,P,165,P)
410 CALL SOUND(Z,392,X,131,P,165,P)
420 CALL SOUND(V,392,X,131,P,165,P)
430 CALL SOUND(V,392,X,131,P,165,P)
440 CALL SOUND(Z,349,X,131,P,165,P)
450 CALL SOUND(Z,330,X,131,P,196,P)
460 CALL SOUND(W,294,X,196,P,123,P)
470 CALL SOUND(V,294,X,196,P,123,P)
480 CALL SOUND(Z,262,X)
490 CALL SOUND(Z,330,X)
500 CALL SOUND(Z,392,X,131,P,165,P)
510 CALL SOUND(Z,392,X,131,P,165,P)
520 CALL SOUND(V,392,X,131,P,165,P)
530 CALL SOUND(Z,440,X,175,P,131,P)
540 CALL SOUND(Z,440,X,175,P,131,P)
550 CALL SOUND(W,392,X,131,P,165,P)
560 CALL SOUND(V,349,X,220,P,131,P)
570 CALL SOUND(Z,330,X,131,P,196,P)
580 CALL SOUND(Z,262,X,165,P,196,P)
590 CALL SOUND(V,262,X,196,P,123,P)
600 CALL SOUND(Z,294,X,196,P,123,P)
610 CALL SOUND(Z,294,X,196,P,123,P)
620 CALL SOUND(W,262,X,165,P,196,P)
630 CALL SOUND(V,262,X,165,P,196,P)
640 NEXT K

```



Our Board elections are coming up in the month of June. Anyone wishing to run for a position on the board, please let a current board member know so your name can be added to the ballot. Ballots will be included in the May newsletter and you can vote by mail or in person at the June regular meeting. The following list of people have expressed their interest in continuing the jobs currently being held. Elections will be held for seven(7) board members and all ballots must be received by June 15th in order to be valid. The positions will be; Chairman, Vice-Chairman, Secretary, Treasurer-Librarian, Membership, Corresponding Secretary, and one(1) Library Assistant.

Jim Johnston	Chairman
Mark Harms	Vice-Chairman, Editor
George Lempeotis	Secretary
Beverly Cook	Treasurer-Librarian
Bruce Shearer	Corresponding Secretary
Glen Flowers	Membership
Richard De Roos	Library Assistant
Greg Feige	
Al Johnson	
Dan Hessling	

Let me express our thanks to all our members for the support we have had. Being a small group, we don't have a lot of people wanting to become involved in the running of our group. Support us again by voting either by mail or in person. The seven(7) top vote getters will be the new board members for the next year.

When voting by mail, please include your member number so we can be sure of your eligibility. Only one(1) ballot will be accepted per member family. Thanks!

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4 6 8 8 1 9 2 0 2 0 5 5 3 2 9
 2 2 9 7 8 1 3 9 4 3 6 1 0 6 7
 8 9 8 8 0 6 4 8 9 7 3 6 1 6 9
 8 7 2 2 7 1 1 1 0 5 2 3 7 2 5
 7 4 6 4 5 3 9 7 8 1 0 2 9 8 5
 1 6 7 8 0 7 0 5 5 5 9 3 0 1 4
 0 5 3 2 9 7 6 1 6 7 4 3 7 6 3
 3 6 2 7 4 9 8 7 2 6 2 3 6 8 4
 2 1 3 4 7 9 7 2 1 3 2 2 2 0 4
 5 5 4 3 7 7 2 5 3 9 7 4 2 3 4
 6 7 1 2 0 5 9 4 1 6 5 9 0 9 2
 1 8 4 8 6 3 0 8 3 6 5 1 3 4 1
 9 0 4 7 3 6 7 2 0 4 9 4 7 2 3
 3 9 7 3 7 8 3 9 6 2 7 2 3 6 2
 7 2 9 9 0 2 1 0 0 8 1 3 8 0 1

PUZZLE BY BEV COOK

1671	8998	55437	122031
1840	9235	57809	278947
2638	9737	60163	291034
2995	11418	67437	318001
3321	18792	70707	379322
3444	23654	72990	427981
4559	23684	88064	550202
5282	31563	89201	594165
5662	32501	92934	662816
6249	46627	94027	746453
7622	47972	97731	863579
8381	48290	103256	898267
			904736
			961305