VZ-200 BUG

To the VZ-200 hackers among us this short series of program statements crashes the VZ-200 (Version 2.0).

```
10 N=1: INPUTS: FOR
   P=1 TO S: N=N*
   P/(P+1): ? N: NEXT
```

RUN
INPUT 23 twice and the second time round the machine goes crazy.
W Tritscher

P.S. If you pay me for the above, keep it and send it to the person who provides the ROM-patch routine.

AUGUST 85
APC

APRIL 85
APC

VARIABLE VZ GOTO

The following routine eliminates those massive IF ... THEN lists like:

```
IFA=10THEN100
IFA=20THEN110
IFA=30THEN120
etc.
```

After calling the routine, the variable 'GT' holds the value of the line to GOTO.

To use, simply compute your line number to GOTO (or GOSUB) and having computed GT simply GOTO or GOSUB 2.

F Olsen

```
0 GOTO 1000
1 GOTO XXXX  MUST LEAVE SPACE AND DO NOT ALTER FIRST TWO LINES
2 GT=GT+GT
3 IF LEN(GT$)<>4 THEN GT=1:GT$=CHR$(32)+GT$:GOTO 3
4 FOR C=2 TO 5:POKE 31743+C,ASC(MID$(GT$,C-1,1)):NEXT:GOTO GT
```

TRON/TROFF function for VZ-200

When debugging a Basic program, it is frequently useful to see exactly what sequence of instructions the computer is interpreting. This is the function of the TRON (Trace ON) command found in many versions of Basic.

This command is not, however, directly available to the VZ-200 user and must be executed by POKEing directly to the screen. POKE 31003,173 enables the TRON command POKE 31003,0 disables the command (enables TROFF)

The TRON function executes the program as in normal execution, but displays each line number within brackets as it is executed. This Trace is useful in following the program flow during debugging, especially in the case of conditional GOTOs or GOSUBs. Normal display data generated by PRINT or other commands will be interspersed with the Trace line numbers.

The POKE values can be entered directly from the command level and then RUNning the programs, or they can be incorporated within the body of the program (especially useful if only a section of the program requires debugging).

The use of the CTRL and BREAK keys can be used at any time to stop the display for scrutiny. Entering the CONTinue command will restart program execution.

I Thompson

NOV 82
APC

'Apparently Big Brother isn't some new hardware but some character in a book.'

VZ-200 correction

In the August issue of *APC*, Jay Batterson submitted a short program for printing a moving message across the screen with a VZ-200. I tried this program and it didn't work. I was a bit disappointed that you had published it without testing it first, so I left it alone for a while.

Recently I had occasion to use my computer for a message on the screen, so I dug out the August issue and played around with the program until I found what was wrong with it.

So here is the same program with modifications to make it function:

```
 5 CLS
10 A$="YOUR MESSAGE"
20 PRINT @ 480,
   LEFT$(A$,31);
30 PRINT CHR$(28);
40 FOR I=1 TO 60:NEXT
50 A$=MID$(A$,2)
   +LEFT$(A$,1): GOTO 20
```

I know this one works.

J Kelly

NOV 82
APC