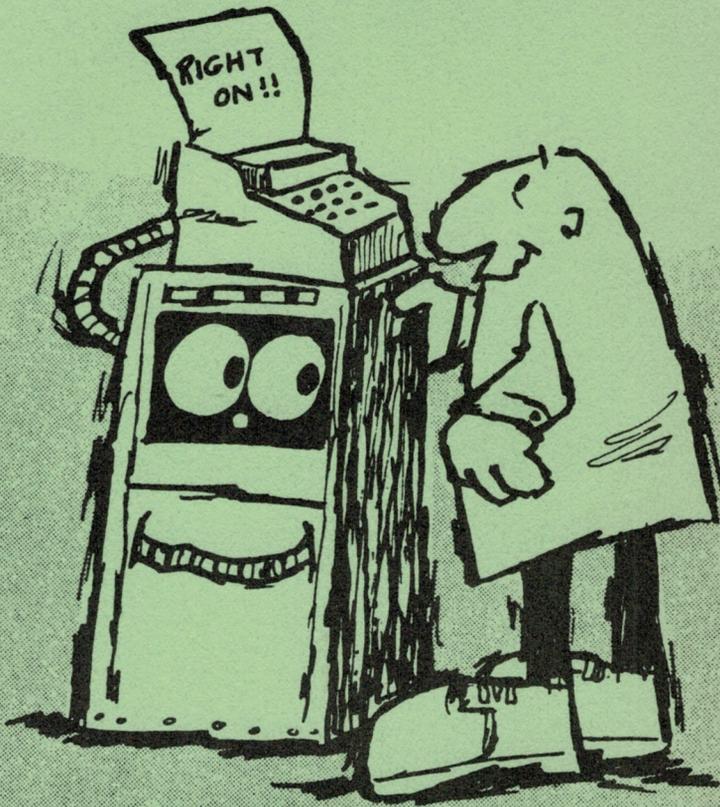


\$2.00

# MY COMPUTER LIKES ME \*

by BOB ALBRECHT



\*when i speak in BASIC

Now that we have solved the problem one way, let's do it again using a slightly different approach.

# the problem

Compute  $Q$  for given values of  $P$ ,  $R$  and  $N$ .

$$Q = P(1 + R/100)^N$$

As usual, we want you to do it. Type as directed below.

SCR

First, SCRatch the old program.

```
10 INPUT P, R, N
20 LET Q = P*(1+R/100)^N
30 PRINT Q
99 END
```

← Enter the new program

RUN

Then RUN the new program.

```
? 1000, 1, 20
1220.19
```

Enter numbers for P, R, N.  
Here is the answer.

RUN

RUN it again.

```
? 3.6E9, 2, 31
6.651319E+09
```

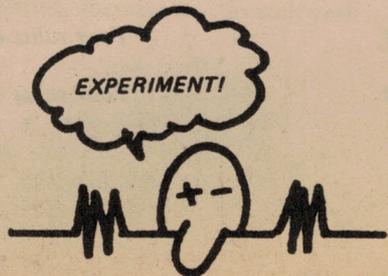
Enter numbers for P, R, N.  
Here is the answer.

```
? _____
_____
```

You RUN it, for your values of P, R, N.  
Here is your answer.

In the above program there is only *one* INPUT statement, but it asks for input of *three* numbers, one number for each variable in the INPUT statement.

```
10 INPUT P, R, N
? 1000, 1, 20
```



## Follow the Signs



Is the program on Page 18 still in the computer? If not, enter it.

Now we assume that the program on Page 18 is in the computer. Do not type SCR. Instead, type

**40 GO TO 10**

You have *added* a statement to the program in the computer. It tells the computer to GO TO Line 10. Let's look at the program as it now resides in the computer's memory.

### type

**LIST**

and press RETURN. The computer types the complete program.

```
10 INPUT P, R, N
20 LET Q = P*(1+R/100)*N
30 PRINT Q
40 GO TO 10
99 END
```

← Here is the statement you added, right where it should be, between Line 30 and Line 99.

**RUN**

? 1000, 1, 20

Enter values.

1220.19

Computer prints answer and goes around.

? 1000, 2, 35

Enter values.

1999.890

Computer prints answer and goes around.

? 3.6E9, 2, 100

Enter values.

2.608073E+10

Computer prints answer and goes around.

? \_\_\_\_\_

YOUR TURN. Enter values.

\_\_\_\_\_

Computer prints answer and goes around.

? But how do we get out of this??

**TYPE STOP AND PRESS RETURN. IF THAT DOESN'T WORK, HOLD THE CTRL KEY DOWN AND PRESS THE C KEY. THEN LET GO AND PRESS RETURN. IF THAT DOESN'T WORK, PRESS ESC OR ALT MODE. IF THAT DOESN'T WORK, YELL FOR HELP!**

## Good luck!