

BUILDING THE COSMAC "ELF"

Congratulations on "Build the Cosmac 'Elf' " (August, p 33). It is refreshing to read about a project that involves an MPU other than the 8080 or 6800.—*W. J. Haberhern, Cocoa Beach, FL.*

I very much enjoyed "Build the Cosmac 'Elf' " in the August issue. The price and complexity were just at my level.—*D. Morris, Midland, MI.*

I really appreciated the Cosmac "Elf" article. I intend to build it as soon as I have found suppliers for the parts. In my search for the parts, I have encountered some problems:

(1) The article says that the CDP 1802 microprocessor sells for less than \$30. The only supplier that I could find for the chip sells it for \$40.

(2) The memories called for are 2101 (256 × 4). Every 2101 I can find is 256 × 1.

(3) I have been unable to find the 5082-7340 hex displays anywhere. I realize that others could be substituted but I would like to use the one suggested.—*David Borgelt, Kingdom City, MO.*

In answer to Dave's questions, we have the following information: (1) The MPU you want is CDP1802CD. (The last CD means 4-6-volt operation in a ceramic package.) It sells for \$29.50. RCA tells us that the MPU has been in short supply due to the heavy demand, but it should be available again soon. A list of RCA-appointed distributors around the country and CDP1802CD data sheets are available free of charge from: RCA Solid State Division, Box 3200, Somerville, NJ 08876.

(2) Despite what some advertisements may say, the 2101 is 256 × 4.

(3) The 5082-7340 displays are available from most distributors who carry Hewlett-Packard products.