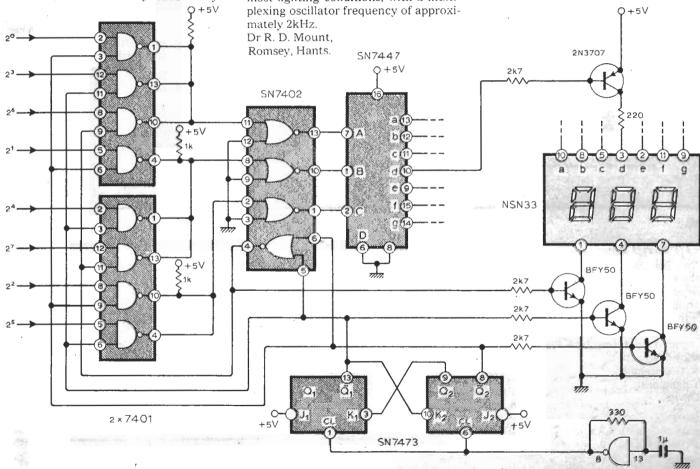
Octal display for microprocessors

The function of this circuit is to display an eight-bit data word in conventional octal form. This is useful in microprocessor prototyping, where it is usual to use the octal representation. Digit and data selection is effected by a three state counter built around synchronously operated JK flip-flops. The two or three bits appropriate to each display are steered to the seven segment decoder by wired AND open-collector gates, and inverters. A segment current of about 3mA was found adequate formost lighting conditions, with a multiplexing oscillator frequency of approximately 2kHz.

Dr R. D. Mount,



1/2 SN7413