

## RANDOM PULSE GENERATOR

The 7413 provides a means of 'squaring up' waveforms before applying them to logic circuits. A reverse biased germanium diode is used to provide random 'sine-wave' type pulses, i.e. white noise. The output from the white noise generator is fed into the input of the 7413. When the output from the generator attains the value of 1.8V, the output goes low and the output from the hex inverter goes high. This output is then fed to the counter. By making the output from the white noise generator variable, via a potentiometer, some degree of control over the 'randomness' may be obtained.

