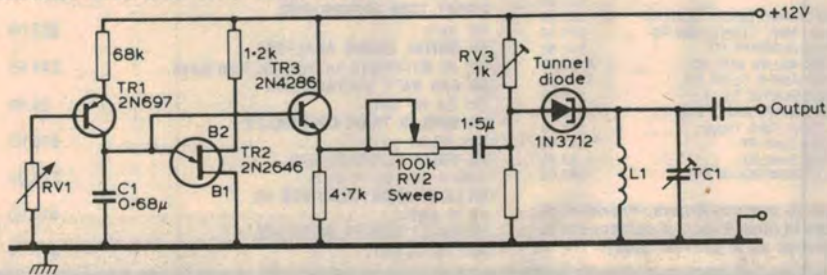


## Tunnel-diode wobblator



This circuit is claimed to provide an effective method of obtaining a sweep frequency source throughout the range from 10 to several hundred MHz. It relies on the stable characteristics of a 2N2646 unijunction transistor and the 1N3712 tunnel diode to perform "with no compromise" a function that usually requires an expensive piece of test equipment.

The linear sweep is set by RV1, sweep

depth by RV2, while RV3 adjusts the bias to the negative resistance region on the tunnel diode HF/VHF oscillator in order to accommodate the characteristics of the particular tunnel diode. The resonant circuit, L1-TC1, tunes to the required centre frequency.

(From "Radio Communication", August, 1980.)