

## FUZZ BOX (July, 1966)

The circuit as designed is still in use and there is a volume discrepancy between the footswitch "on" and footswitch "off" positions, but this is small and since the acoustic effect of fuzz is more penetrating than that of "straight" amplification, it is not very important.

If, however, the discrepancy is large and undesirable, three possibilities exist: obviously "fuzz" output is far in excess of output direct from VR1. In order to render these equal in value, either the squaring circuit "amplification" is reduced or the straight-through (footswitch released) position is boosted by a small single or twin stage transistor amplifier. However, since most guitar amplifiers have sufficient input sensitivity to handle the former situation, the author suggests placing a potential divider at the output, such that the fuzz box is left "on" permanently but that the footswitch switches it in.

Before trying this modification, however, the  $\pi$  filter on the input should be shorted out as it is possible that the guitar itself incorporates such a filter and unnecessary reduplication results in power loss. The modification suggested is shown below. Only the input and output sections are altered as shown.

