

# MODERNIZING THE T-17

by CHUCK SCHAUERS, W6QLV

For those not having the cash to purchase a good commercial mike for their mobile installations, the widely available surplus T-17 microphone can be modified to do a good job.

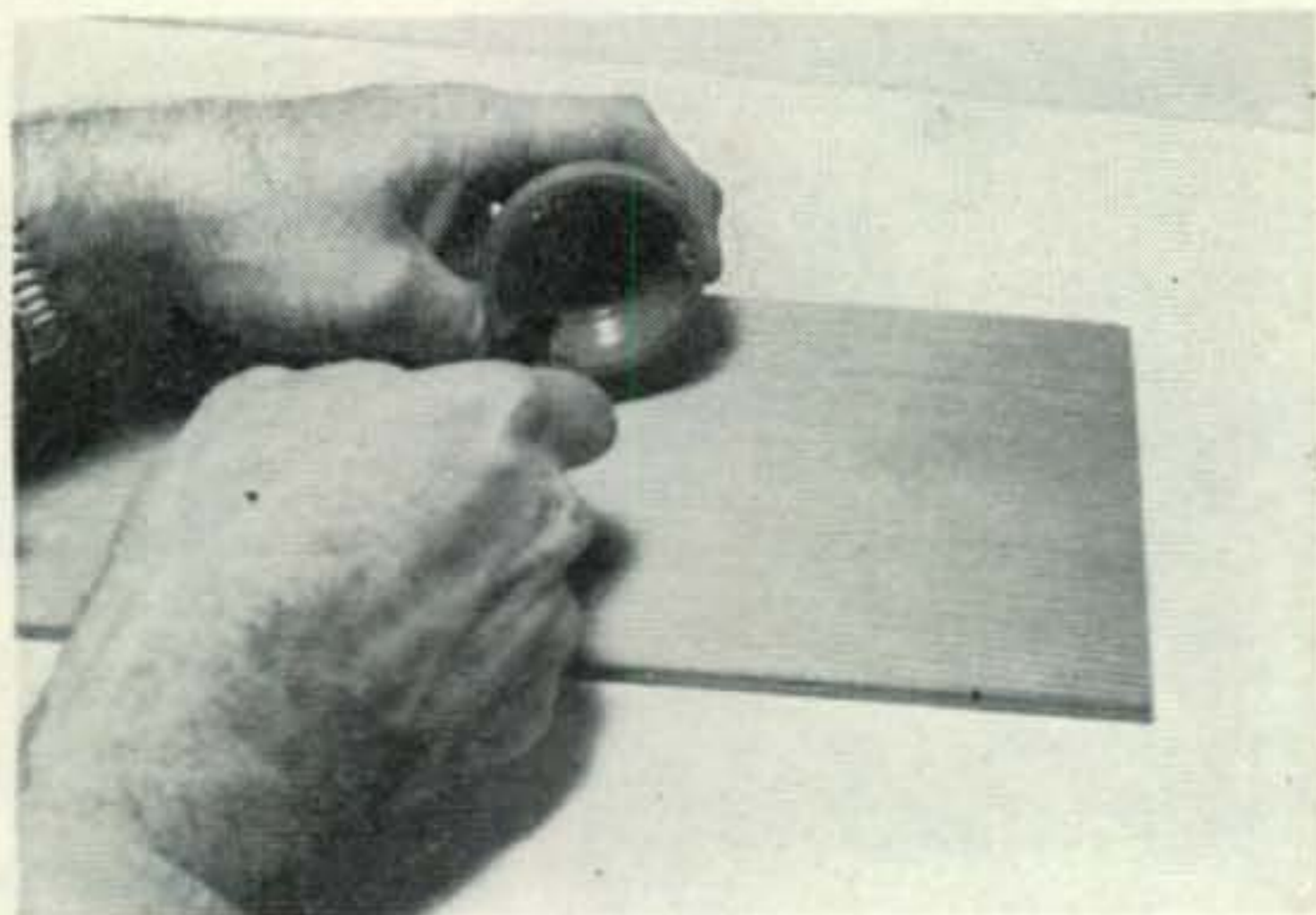
The output of the average T-17 is low and lacks voice quality. However, by replacing the transmitting unit (button) with either a Western Electric T-1 or F-1 unit or with similar units manufactured by Stromberg-Carlson, Automatic Electric, North Electric, etc., more output with better response and clarity will be realized.

If the F-1 unit (which is larger than the T-1) is used, the mouthpiece cover will necessarily have to be machined to take the larger unit. But with little work the T-1 can be made to fit either a metal or plastic T-17 without the need for a lathe or special tools.

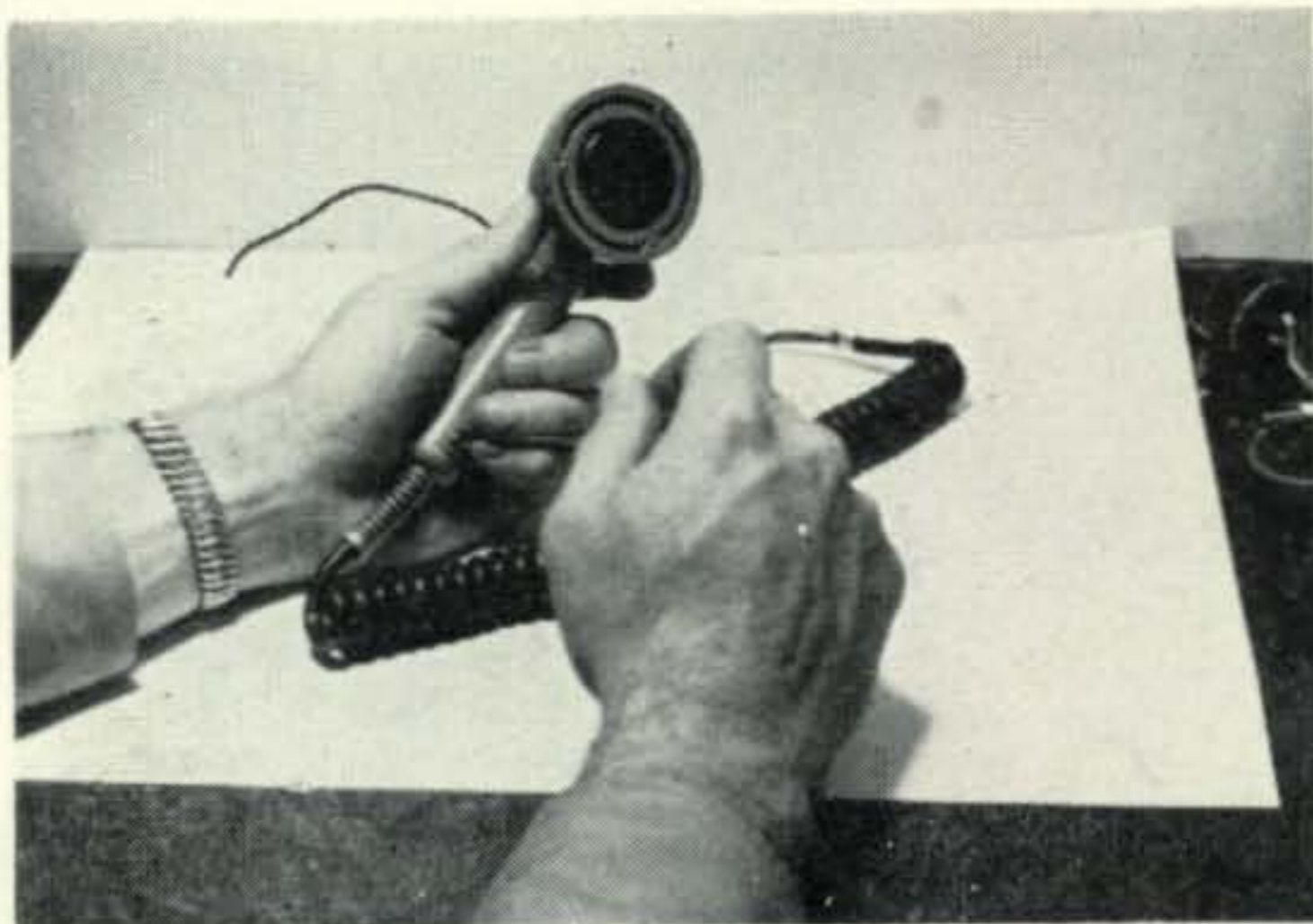
The photographs illustrate the conversion. ■



1—T-17 microphone is first carefully disassembled.



2—With a knife, plastic surrounding cover retaining screws is carefully tapered so that T-1 transmitter unit will fit flush with top of microphone (case) cup. A file is used on the metal microphone for the same purpose.



3—T-1 transmitting unit is mounted in microphone cup after two connecting wires from curl cord are carefully soldered to center button and outside ring. Minimum heat should be used for this soldering.



4—Microphone cover is drilled to increase pressure sensitivity.



5—Microphone is reassembled and desired plug attached. Most T-17 microphones contain wire connection diagrams pasted inside of button switch.