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Gonset Model G14 Addendum

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GONSET DIVISION
Young Spring & Wire Corp.

G-14 ADDENDUM

This change improves transmitter efficiency. The control (R45) was installed and is factory pre set for 5 watt input to final amplifier per F.C.C.. Requirements so that all units regardless of normal component tolerances may be set for full power.

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3-16-62

G-14 ADDENDUM

The improvements listed below have been included in this G-14 Communicator.

1. Added capacitor C55, 100uuf (Gonset part no. 372-101K) from plate (Pin 7) of audio amplifier tube (V6, 6AV6) to ground, in order to improve rejection of 455KC signal at audio input.
2. The receiver crystal oscillator circuit has been changed as follows:

R33 is: 6800 ohm 1 w (GPN 043-682)
was: 10 K 1 w

R32 is: 220 K $\frac{1}{2}$ w (GPN 042-224)
was: 100 K $\frac{1}{2}$ w

C42 is: 15 uuf NPO (GPN 084-031)
was: 4.7 uuf

C43 is: 22 uuf NPO (GPN 084-047)
was: 30 uuf

L11 is: 6.8 uh (GPN 027-075)
was: 5.9 uh

These changes were incorporated to make possible the use of crystals from any manufacturer.

3. The second converter oscillator circuit was changed as follows to improve overall stability:

C11 is: 25 uuf NPO (GPN 383-250J)
was: 100 uuf Silver Mica

C53 is: 20 uuf N330 (GPN 084-285A)
was: 22 uuf N330

added C56: 10 uuf NPO (GPN 383-100J)
connected in parallel with C53 at L13.

