

New Data on the 4A

The 4A Transmitter was first announced in the April-August issue of the Collins Signal and only a moderate amount of importance was attached to it at that time. However, during the intervening months this model has proved to be one of our most important products. It has filled a very insistent demand for a low-cost, all-band CW transmitter which was not burdened by the extra cost and complication of a lot of meters and tuning controls, but, at the same time, was capable of giving consistent performance.

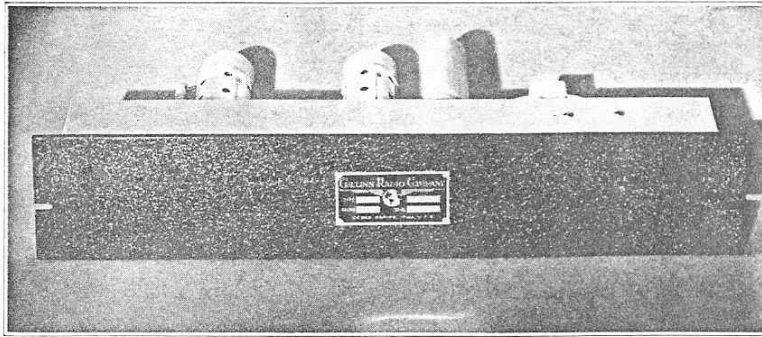
We have been very much gratified by the letters we have received from the many amateurs who have purchased this transmitter. Transcontinental schedules are maintained regularly with the 4A's and several users have reported working Mexico City, Hawaii and New Zealand within the first week or so of operation.

Some slight refinements have been made in the circuit of the 4A so that the measured output is now 28 watts on 3500 and 1700 kcs., 25 watts on 7,000 kcs. and 13.2 watts on 14,000 kcs. Of course, the outfit is crystal controlled with a D. C. note.

We have a few inquiries as to why we do not incorporate the new "universal exciter" in some of our transmitters. The universal exciter is a very clever arrangement, but no advantage is found over our existing 4A and 10B circuits. It should be remembered that the output of the universal exciter is scarcely high enough for serious transmission work, unless it is followed by another amplifier, whereas, the 4A Transmitter puts out a relatively powerful signal and it also contains dual power supplies, so that no additional equipment has to be purchased.

We strongly recommend the 4A Transmitter for the consideration of every amateur who wants the most efficient telegraph transmitter obtainable at a very moderate investment.

THE 6A AMPLIFIER



The 6A is an input amplifier for use with crystal, moving coil or velocity microphones. Either 77 and 76 tubes, or their 2.5 volt heater equivalents, the 57 and 56, are used with a gain of 45 decibels. The tubes are carefully decoupled so that rectified plate voltage can be used.

Optional input and output imped-

ances are 50, 200, 500, and 20,000 ohms.

The Amplifier is constructed on a 3½" relay rack panel so that several can be mounted in a restricted space and their outputs mixed at a relatively high level, rather than in the microphone circuits.

Code word, YAACS.

Net weight: 6 pounds.

Shipping weight: 12 pounds.

