

May 1, 1959

P. O. Box 2
Green Bank,
West Virginia

Mr. Leslie A. Galloway
1713 Everett St.
Lafayette, Indiana.

Dear Mr. Galloway:

Thank you for your letter of the 19th and enclosed photographs. You certainly have gone to a lot of trouble making all these pictures and I appreciate your efforts.

Sets #1, #2 and #3 are superheterodynes. The I.F. frequency is about 50 KC in all three.

Set #4 is a conventional five tube tuned radio frequency receiver. Some of the socket wiring seems to be missing.

Set #5 is sufficiently dismantled so that only a guess can be made. I would say it was a regenerative detector with two audio stages for a total of three tubes.

Set #6 is a regenerative detector with feedback variometer in plate circuit. The grid circuit is tuned inductively using fixed antenna capacity.

Sets #7, #8, #9 are not superheterodynes. They appear to embody some kind of sentiment radio frequency amplifiers with one or two capacity tuned circuits on the input.

Mr. Baird must have been an ardent experimenter as sets #1, #5, #8 have panels which were used previously. Sets #2, #3, #9 show quite good mechanical workmanship but are not as well layed out or executed as sets #4, #6 which are of professional manufacture. Judging from the wiring I would suspect that Mr. Baird got more pleasure from the mechanical than the electrical work.

The UV201A tube was brought out in March 1923. Consequently these sets are mostly 1923 or 1924. This is confirmed by bakelite bases on UV199 tubes. These are probably 1924 or 1925 vintage. Please give me the type numbers on the Western Electric tubes which apparently were part of set #5. Also please remove from sets #7, #8 or #9 a pair of those 200 to 600 meter wavelength tuners and send to me by parcel post. I would like to examine and test them to determine what kind of a device it is. Old audio transformers have a habit of becoming open as the acid in the paper eats up the fine wire. Please check the various transformers with an ohmeter. The primaries should be about 500 to 1000 ohms and the secondaries 3000 to 10000 ohms. Values appreciably in excess of these indicate trouble.

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If your friend wishes to sell these sets I might be able to use them. Sets #1, #2, #3 appear to be in reasonably good order. Set #4 will require a lot of work. Set #5 is suitable for parts only. Set #6 appears to be in good shape. Sets #7, #8, #9, I am uncertain about. There seems to be some parts missing judging by the excess holes in panels and baseboards. Please have your friend indicate what he thinks these sets are worth individually and as a lot. Upon receipt of this information and a test of those 200 to 600 meter transformers, we may be in a position to get together.

Sincerely yours,

Grote Reber