

1st May 1964

Greetings Jennie:

Thanks for your letter of the 14th April. The barograms arrived in good order on the 17th. These will last a bit over a year. I hope you will not have the same difficulties in the future. The data being secured on these barograms is not as good as Hawaii because this is a more stormy part of the world. However significant results should be available about about two more years recordings. Back in Hawaii I discovered an 8 hour oscillation in the pressure. If the same thing can be established here, it seems likely the phenomenon is world wide. Most important, it rotates with sidereal time.

The package of printed matter arrived today. The two copies of Castanea and Burpee seed catalog were most welcome. However you did not need to send those annual reports as I merely looked at them cursorily and discarded.

The Dow-Jones averages seem to have reached a top. I have a hunch the level will gradually drop the rest of the year. My money can stay in the bank savings account for the next several months. Actually I can do better on income from the savings account than on many stocks. Also when the level of market is so high the chances of major appreciation are very remote.

Thanks for ordering the patents which can be sent by sea mail. Please include reference number 2 with the patents.

I purchased a portable electroplating set made in Melbourne. It has gold, silver, copper, nickel, tin, zinc and cadmium. The chemistry professor was enchanted by it and I had trouble getting it away from him. I'm having my man at Bothwell make samples of different platings to test corrosion resistance outdoors.

My spirits go up and down with the quality of my radio astronomy data. April conditions were much better than March, so I feel pretty good now. I hope I'll feel even better a month hence.

Fred Haddock of Ann Arbor was here and acted very impressed. He has had a NASA program on radio astronomy from satellites for several years. However the results have been trivial, if non-existent. I suspect he is trying to find a new mount before the old one dies under him.

Enclosed are two copies of a list of radio apparatus I'm willing to donate to Smithsonian. The underlined marks items of some importance. If they take this much the pile should be about half size. A few items I'm saving out for experiments when I return.

A lot of the rest of the boxes, etc. belong with my mirror which is now at Green Bank. All this Wheaton material should be gotten together sometime. Unfortunately I have very little confidence in the group running that show. Until the future of my mirror is established, I'd like to have R.C. keep the small parts, data, etc.

We have had a lot of damp weather so I haven't been able to harvest my beans. My special twining lily is in the Stowell glass house. I'm able to harvest and analyse its seeds.

Best regards,


Grote Reber

C a r t o n s

Number	Contents
<u>30</u>	Stromberg Carlson, 6 tube T.R.F., 1927 model
<u>31</u>	Power Supply for above. Speaker for above in <u>17</u>
<u>32</u>	Two Atwater Kent model 4560, 1923 model. Also parts.
<u>34</u>	Atwater Kent speaker type F7A for receiver in <u>74</u> .
<u>35</u>	Two Atwater Kent model M horn speakers 1922-3 good and 1925-6 bad.
<u>36</u>	DeForest Audalton speaker less paper cylinder about 1926.
<u>37</u>	Two Westinghouse RA & DA receivers, 1922.
<u>39</u>	German Wurzburg spinner, contactor & bolts.
<u>41</u>	Magnavox model T, 5 tube T.R.F., internal speaker
<u>43</u>	Radiola model 26
<u>44</u>	Federal Orthosonic type A, 5 tube T.R.F.
<u>45</u>	Federal model 58
<u>46</u>	Speaker for large Zenith in <u>58</u>
<u>47</u>	Two "B" battery eliminators
<u>48</u>	Loop Antenna for Radiola AR812, no.146590
<u>49</u>	Four speakers. Atwater Kent type E-2 14" cone; Manhattan "Concert" 10" horn; <u>Knott 14" dynamic horn model B no.1804</u> ; Tower 14" horn only.
<u>58</u>	Large Zenith
<u>60</u>	Grebe Synchrophase MU-1, chassis only
<u>61</u>	Same in fair condition
<u>62</u>	Same partly dismantled
<u>63</u>	McCutchen & Sandell Acmeflex
<u>64</u>	Same as 60
<u>65</u>	Rola speaker for Grebe Synchrophase in <u>98</u>

- 66 Magnavox 14" dynamic horn speaker plus extra horn.
- 68 Radiola V
- 71 Small Crosley regenerative receivers
- 72 Freshman Masterpiece 5 tube T.R.F.
- 74 Atwater Kent model 67. Speaker is in 34.
- 75 Garod 4 tube T.R.F. reflex type RAF, no3396
- 76 Grebe CR-6, 1922 regenerative.
- 77 Ship receiver IP501 detector section
- 78 Magnavox 14" dynamic horn speaker model B type R-3.
- 79 Radiola 20, phonograph model
- 80 Kennedy model 220, no4528. A.F. amplifier in 87
- 81 Freed-Eisman model NR-215, 4 tube neutrodyne no.340.
- 82 RCA model AR812, no146590. loop antenna in 48
- 83 Tri-Tube model V-5.
- 85 Same as 82, fair condition.
- 86 Atwater Kent model 20(small)and model 30.
- 87 Kennedy model 525 audio amplifier, less transformers, number 4104, for receiver in 80
- ~~88 Same as 87~~
- 89 Four speakers. Atwater Kent model M 14" horn for receivers in 32; Atwater Kent 15" horn only; RCA model UZ1325 base only; Music Master base V175499 only.
- 90 Same as 80. A.F. amplifier in 91
- 91 Same as 87 except in working order for set in 90.
- 92 Same as 43
- 94 Test equipment. Jewell analyser model 199, Sterling tube and set tester. Both about 1925. Assorted knobs, dials, tap switches and binding posts.
- 97 Schroeder Products 4 tube Browning Drake receiver.
- 98 Grebe Synchronphase in very good condition, speaker in 65

- 99 Sleeper type 2600, 3 tube regenerative.
- 100 Music Master 5 tube T.R.F.
- 102 Freed-Eismann model NR-7, no808P
- 104 Crosley Trirdyn 3-R-3, model 1122, large size.
- 105 RCA Duo-Rectron "B" Eliminator, model AP937
- 106 Atwater Kent model 33 and model 35.
- 108 Same as 43, no 204615
- 109 Audiophone horn speaker 12" diameter
- 110 Eight Radiola III
- 111 Bremmer-Tully "B" power supply and Brach Trickle charger relay.
- 112 Magnavox model A, type M-4 horn speaker
- 113 Radiola model 20
- ~~114 Same as 30, chassis only.~~
- 115 Ship receiver, Kennedy model 110, no 1565
- ~~116 Radiola model 28 with loop antenna.~~
- 117 Atwater Kent model 35, single dial 6 tube.
- 118 Kennedy model V 3 tube, 1923.
- 119 Atwater Kent model 20 large.
- 120 Metrodyne TRF with special mechanical linkages.
- 122 same as 119
- 123 Cone speaker 14" diameter, unknown manufacture.
- ~~124~~ Same as 113
- 125 Four Radiola III-A.
- 126 Three Aeriola Sr. by Westinghouse
- 127 RCA model 103 cone speaker no 130139 BU
- 128 Clapp-Eastham, Unico Special receiver
- 129 Atwater Kent speaker model E-3, no 429803

- 130 Graphophone, bad condition
- 131 Federal model 102, four tube
- 132 same as 72, poor condition
- 133 RCA type UV-851, one kilowatt power tube, new
- 134 Three Radiola II portable receivers, 1921.
- 136 Thermodyne 5 tube T.R.F.

Cases

- 17 Speaker by Stromberg Carlson for set in 30; Also stand for Zenith in 58
- 146 RCA Radiola Alhambra, Phono-console model.
- 147 Two Atwater Kent model 20 large receivers.
- 148 RCA Radiola model 20, Phono-console model.
- 149 Two RCA model 100 drum speakers; two RCA model 100A mantle speakers; two unknown speakers badly damaged.