

THE EVENING WORLD'S RADIO PHONE SERVICE COLUMN.

By Capt. Robt. Scofield Wood.

QUESTIONS AND ANSWERS

Four Radio Fans, Brooklyn—"Will you kindly publish a hook-up for a single tube regenerative set using honeycomb coils for the primary, secondary and tickler coils for short wave reception? What size coils shall we use? Is there any advantage in using honeycomb coils as against the regular form of variable inductance and tickler?"

do just as well? Answer—You are located too far from the broadcasting stations to operate a crystal set with an indoor aerial. The water pipe makes the best ground ordinarily available. The Fire Underwriters prohibit the use of the gas lines for grounding purposes. Your hook-up should be changed to correspond to the following diagram. As the set stands at present you will be unable to hear anything with it.

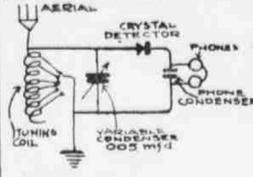
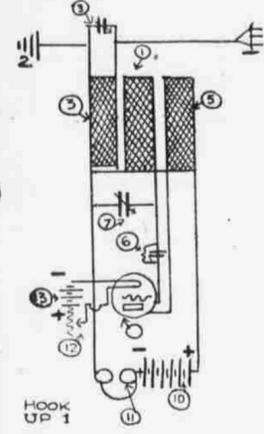


Diagram No. 1. Radio Fan, Brooklyn—"I have a crystal set but no aerial and no prospects of getting one as our landlord will not permit one to be erected on the roof. I have tried out the fire escape and the bed spring but with no results. What can I do?" Answer—I am afraid that I know no way of helping you, as an outdoor aerial is essential to reception with a crystal set. The only way that I can see is to convince the landlord that it is perfectly safe to have an aerial on the house. If I can help you in this way, just say so.

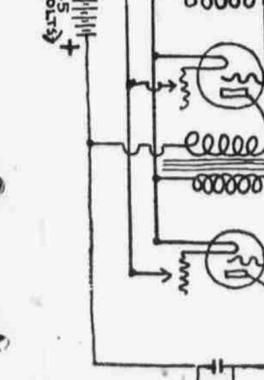


Radio Fan, Brooklyn—"Will I receive anything on a crystal set consisting of an indoor aerial forty-four feet long running through the rooms, double-slide tuning coil three and one-half inches in diameter, seven and one-half inches long and wound with No. 18 enamel wire, crystal detector, fixed condenser and a pair of 1000 ohm phones? What is the wave length and receiving distance?" Answer—I think you are in the same class as your Bronx brother in affliction. The possibilities are greatly against reception with the indoor aerial. The wave range of your tuning coil is about 900 meters. The distance ever which any set will receive can only be established by actual test.

WJZ—Newark 360 Metres. 7:00 P. M.—Final baseball scores of the American, National and International Leagues. 7:30 P. M.—Stories from St. Nicholas Magazine. 9:00 P. M.—Business and Industrial conditions in the United States as outlined by the National Industrial Conference Board. 9:15 P. M.—How Employees Are Selected, by Karl M. Wehinger. 9:45 P. M.—Recital by Clara Elizabeth Horn, soprano. Programme: "Sing Me to Sleep," Greene; "I Know a Lovely Garden," D'Hardelot; "Vissi D'Arte," Tosca; Puccini; "Where My Caravan Has Rested," Licht; "Corral Saper," Taverner; "The Valley of Laughter," Sanderson; "One Fine Day," Butterly; Puccini; "Sunrise and You," Penn; "Springtime," Spang. 10:00 P. M.—"Morning," Licht; "Springtime of the Year," Rusk; Salvatore Esposito of Jersey City will render a programme of Hawaiian music. 10:30 P. M.—"Songs of the Merchant Marine," by Chief Steward Ballyn of the Scotia, Cunard Line. 10:52 P. M.—Standard time signals from Arlington. 11:01 P. M.—Weather forecast.

WWZ—New York 360 Metres. 1:15 P. M.—Favorite melodies from great composers. 1:25 P. M.—Brief song recital by Leota E. Fischer, soprano, Alexander Russell at the piano. 1:35 P. M.—Favorite melodies from great composers. 1:50 P. M.—Everyday chemistry (facts of general interest). Informal talk given by Louis Ginsberg, age thirteen, remarkable student of research in science. Subject: "Radium—Its History and Chemistry." 2 to 2:15 P. M.—Favorite melodies from great composers.

WOR—Newark 360 Metres. 2:30 P. M.—Article from Vanity Fair Magazine, "The Latest Word on Men's Fashions from London." 2:45 P. M.—Poems by Louis Ginsberg; excerpts from "The Attie of the East." 3:00 P. M.—Songs by Miss Gertrude Law, Programme: a. Aria from "Madame Butterfly," Puccini; b. "Waltz Song" from "La Boheme." 3:15 P. M.—"How to Grow a Mind," a lecture by Prof. J. Foster Hill, Director of Extension Division, United Y. M. C. A. Schools, New York City. 3:25 P. M.—Piano solos, a. "Mitsou," Paderewski; b. "Etude," Chopin. 3:40 P. M.—A reading of poems by Mr. Ginsberg. 3:50 P. M.—Group of old Irish songs sung by Miss Law. Programme: "Believe Me, If All Those Endearing Young Charms"; "The Last Rose of Summer"; "I Dream of You in the Flowering Time." 6:15 P. M.—Baseball scores. 6:20 P. M.—Weekly release of the Balaban Statistical Organization. 6:30 P. M.—Popular selections. Programme: "My Rambler Rose"; "Send Back My Honey Man"; "Moon River"; "Doodle, Doodle Dum." 8:00 P. M.—George Barnard, soloist of New York and Newark, N. J. Programme over radio. 8:10 P. M.—Waldemar Kaempffert on "Funny Inventions." 8:30 P. M.—Songs by the Newark Chapter, Some of the American Revolution Quartet. The members of the quartet are Russell B. Rankin, John W. Huntington, Jr., Edmund D. Poole and Edwin W. Gould. Programme: "Musical Trust"; "Midnight Patrol"; "Copper Moon." 8:30 P. M.—Soprano solo by Mable Green Mink. 8:35 P. M.—Comic monologues by Paul Minert. 8:45 P. M.—Community singing. The first radio community chorus will be led by Carl Hanawalt, President of the Orpheus Club of Newark.



E. Garbutt—"I have a regenerative set with two steps of amplification and am able to receive WJZ, KDKA, WJZ and other stations within a radius of 400 miles very good. I am using a two-wire antenna 80 feet long and about 50 feet high. If I increase the length of my aerial to 100 or 110 feet, which I can easily do, will I gain anything in the matter of radius?" Answer—You are getting exceptionally fine results from the outfit you are using, but there is no possibility of increasing your receiving radius by the addition of a few feet of wire. If you are desirous of getting stations beyond the 400-mile radius it will be necessary to add a step or two of radio frequency before the detector.

Ed. Peterson—"I have a crystal receiver as shown in the sketch and I cannot use it because the landlord will not permit me to erect an aerial. Will one strung around the picture moulding, as shown in the sketch, work all right? Is it absolutely necessary to use a water pipe as a ground? Won't a gas pipe

Ladies Let Cuticura Keep Your Skin Fresh and Young. Cuticura is the most effective skin treatment. It keeps the skin fresh and young. It is the most effective skin treatment. It keeps the skin fresh and young. It is the most effective skin treatment. It keeps the skin fresh and young.

Last Days of August Sale of Bedding

John Wanamaker Formerly A. T. Stewart

August Blanket Sale Now Going On

Now! The Great September Sales of China, Glassware, Pottery Lamps and Housewares

Last Three Days of the August Furniture Sale. Featuring Furniture at Half. Our entire Furniture stock At 10 to 50 per cent. less. Open until 9 P. M.

Started in advance of September to permit those going away over Labor Day to take advantage of the wonderful opportunities. When requested charge will be made on the September account. 5,000 Dinner Sets in 200 open stock patterns at 20 to 50 per cent. less.

Actual "Before and After" Sale Prices

In the Wanamaker Sale of Fashion Furs. Prices during our advance fur sale, of course, are always less than during the regular season—but how much less—in actual dollars and cents, is the important question.



At less than winter prices. Upon payment of 25 per cent. of purchase price furs will be held in our dry cold-air storage until November 1st, without charge.

Last Chance for Baby

Some baby should be made happy before the last of August with this lovely nine-piece set of furniture in French gray enamel hand-decorated in color with charming figures of dancing children and flowers.

THE FIRST ACTUAL MODELS FROM THE AUGUST PARIS OPENING

Are now being shown in The Wanamaker Fashion Salons. Exquisite interpretations of the new Paris mode by Jeanne Halle. With them: new hats from Reboux and Suzy, and a new three-piece costume from Miller Secours.

Paris Knitted Blouse Sweaters, Half Price

Reproductions at much less than the cost of the originals may be ordered from our own workrooms. Second Floor Old Building. In the Women's Sports Shop.

Clearaway of Corsets, \$1.50

Were \$3.50 to \$6.50. Broken sizes, but a wide range for the medium and slender figure. And a few for the large woman, too.

Crettonnes that are different

32c. 48c. 60c yard. Earlier in the season they were much more. But the crisp charm of their colorings and designs remains undimmed, although the price is lower.

Play Sandals lower

For Children and Growing Girls. \$2, \$2.50 and \$3. Were \$14.75 to \$95. Now \$7.35 to \$47.50.

Imported Fancy Glassware

20 per cent. to 50 per cent. Less. From Czechoslovakia and elsewhere; exquisite single pieces and sets of fancy colored glass or of white glass decorated in color and with gold and silver. Vases, bowls, dessert sets, other beautiful fancy pieces.

Household Glassware

20 per cent. to 50 per cent. Less. A fine collection of vases, bowls, water sets, single table pieces from one of America's best cut-glass factories.

Cereal Sets

\$5.50, \$6.50 and \$8.50—were originally \$7.50, \$10 and \$12. In 15 piece sets of porcelain and china.

Kitchenware

20 per cent. to 50 per cent. Less. Mixing bowls, bakers, tea-pots, percolators, salt-boxes, jugs and other articles of glass, china, pottery and porcelain.

Cut Glass at Half Price

A fine collection of vases, bowls, water sets, single table pieces from one of America's best cut-glass factories. 20 per cent. to 50 per cent. Less.

Fry Glass Ovenware

20 per cent. to 50 per cent. Less. Guaranteed not to crack in the hottest oven. Pie-plates, bakers, casseroles, scores of other cooking and baking dishes.

Bronze and Marble Figures

Half Price. All our collection of bronze and marble figures and other pieces of pottery. A fine group of decorative pieces for the home, varying in size, subject and treatment.

Concrete Garden Furniture

20 per cent. to 50 per cent. Less. Benches, tables, flower-boxes, flower-pots, pedestals and other pieces. And glass gazing globes and bronze sun-dials, too.

Lamps in the Lamp Shop

20 per cent. to 50 per cent. Less. The Lamp Shop has been entirely remodeled. Its stocks are almost wholly new. Many of them will be in the Sale. Boudoir, table, reading lamps, floor and bridge lamps of solid mahogany, painted and decorated wood, metal and pottery.

Housewares 10 to 33 1/3% Less

Bear in mind that these are the standard Wanamaker trustworthy housewares that we sell all the year round and not the flimsy, cheap, unsatisfactory things offered in most sales. Featured for Tuesday: 200 No. 8 Creamer Oval Wash Boilers, copper bottom. Regular price \$4.50—Sale \$3.00. 625 Aladdin Aluminum Tea Kettles—5 qts. Regularly \$4.60—Sale \$3.00. 67 No. 8 Low Frame Waffle Irons—Regularly \$1.75—Sale \$1.00. 84 Cast Iron No. 8 Dutch Ovens, Titetop covers—Regularly \$3.00—Sale \$1.50. 25 Detecto Bathroom Scales—will weigh to 300 lbs. Regularly \$15.00—Sale \$12.00. 150 9 in. diameter Handy Steel Fryers with wire basket. Regularly \$1.60—Sale \$1.00. 18 Nickel-plated Electric Coffee Percolators, 6 cup capacity. Regularly \$19.50—Sale \$12. Second Gallery, New Building.