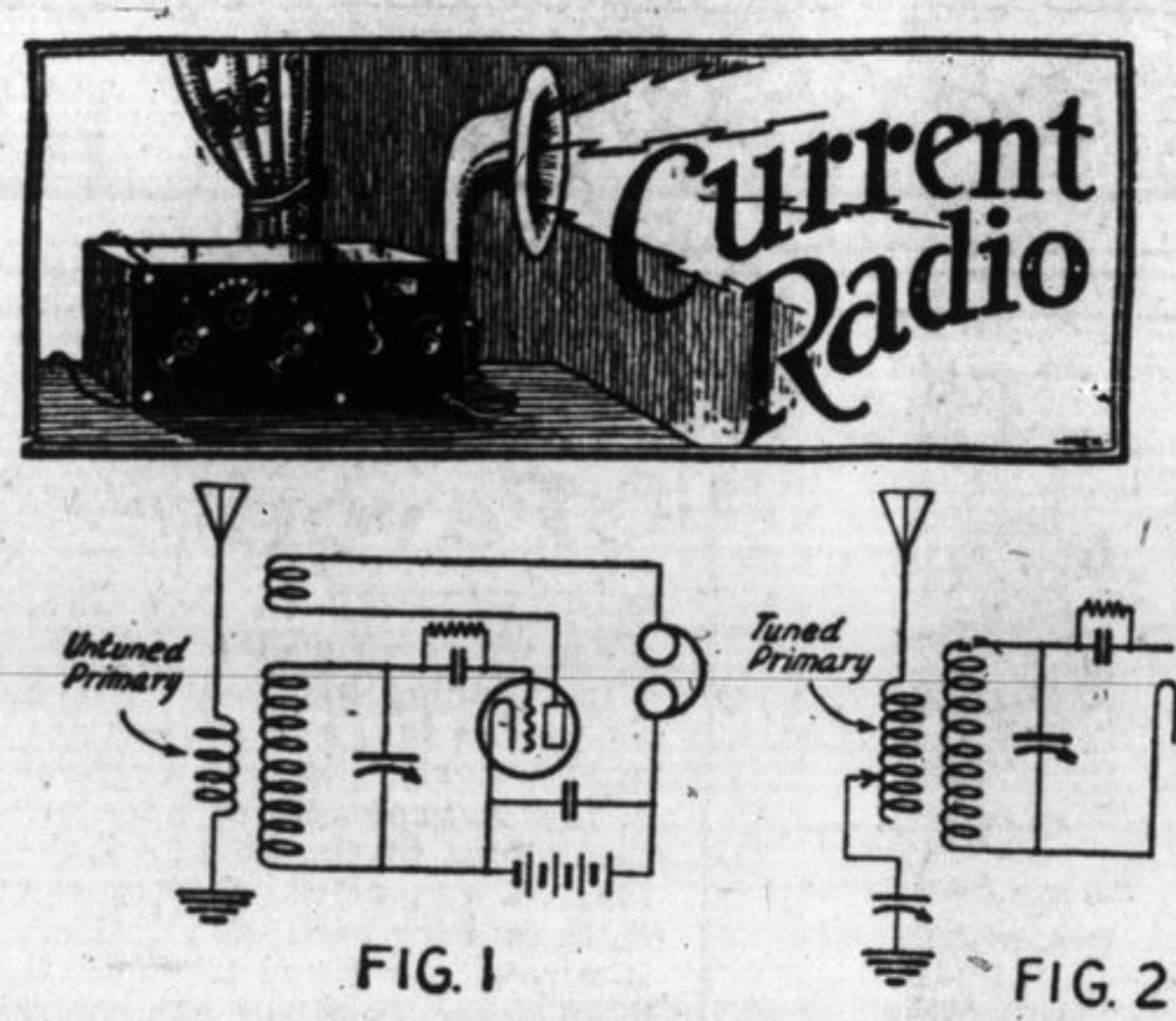


PROBS.—Thursday, fair and cool.

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 have trusted us with their prescriptions and many more their family recipes. Reliable information which we have accumulated during the past 25 years is freely given to many people daily.
 Hundreds of different rare and expensive drugs are used in the filling of the different physicians' prescriptions and all are of the purest obtainable.
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\$1200 Frame, 6 rooms, toilet, central, deep lot.
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 For One Week we are offering
 Water Sets
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Good and Bad Untuned Primaries
 In the trend toward simplicity of control it has become common practice on most broadcast receivers to use an untuned primary of 10 or 15 turns, either wound right over the secondary tuning coil, or wound on a rotor which may be closely or loosely coupled to the secondary. Today we will outline the advantages and disadvantages of this practice.
 The theory of the untuned primary is that it will respond equally well to all signals within range of the tuner. Now to accomplish this, we must have a coil of such proportions that the fundamental wavelength of the entire antenna system, including antenna, lead-in, coil and ground, is either above or below the tuning range of the receiver. Here is the reason: Suppose we wound an "untuned" primary of 15 turns, but found that when connected to the antenna the antenna system had a fundamental wavelength of 460 meters. Now, our set obviously will give stronger signals on 460 meters than it will on other waves, and this is not usually desirable. On the other hand, if we wound on eight turns, and found that with a slightly shorter antenna the fundamental was 210 meters, it would not make much difference whether we turned in a signal of 360, or 460 or 560—the response would be about the same for all of them.
 Another way of obtaining the desired effect would be to make a very large antenna coil—say 200 turns—so that the fundamental was about 1000 meters, well above any wave we are likely to encounter in broadcast work.
 The number of turns in the untuned primary—particularly if the primary is wound right over the secondary—has another effect also; it determines whether the secondary is "closely" or "loosely" coupled to the antenna. The fewer the number of turns, the looser the coupling; the greater the number of antenna turns, the closer the coupling. Close coupling will not give selectivity, but if we use too few turns the coupling may be so loose that the signal strength will be seriously impaired. Therefore, if you found that eight turns of untuned primary in connection with your antenna gave a fundamental of 300 meters, it would be better to leave the eight turns in the primary and cut down the length of the antenna to lower the fundamental, because if only one or two turns of primary were used, the signal strength would fall off badly.
 With antennae up to 100 feet in length, an eight-turn primary will be just about right, although 15 turns may be used with a slight gain in signal strength and slight loss in selectivity.
 Of course the best thing to do—but the method which is the most trouble from an operating standpoint—is to use a tuned primary, as shown in Fig. 2, provided with variable coupling. This means an extra control—the antenna series condenser—but it is usually worthwhile.

RADIO BROADCASTING

The following is a list of radio stations and their broadcasting programmes which may be heard locally on Thursday:

- WLW (423) Cincinnati, O.
 3 p.m.—Market reports.
 4 p.m.—Piano solos by Adelaide Apfel.
 10 p.m.—Three minutes with the United States civil service.
 10.03 p.m.—"Business Man Turned Gentleman," a radiario in one act, arranged by Fred Smith from Moliere's comedy.
- WGY (360) Schenectady, N.Y.
 1 p.m.—Music and household talk, "Summer Foods."
 5 p.m.—Produce and stock market quotations; news bulletins; baseball results.
 7.15 p.m.—Baseball scores.
 7.30 p.m.—Programme of New York Philharmonic orchestra.
- WJZ (455) New York City.
 1 p.m.—Nathan Abas, Hotel Pennsylvania orchestra.
 5.30 p.m.—State and Federal agricultural reports; farm and home reports; closing quotations of the New York Stock Exchange; foreign exchange quotations.
 7 p.m.—Gotham Hotel concert orchestra.
 7.20 p.m.—Financial developments of the day.
 7.30 p.m.—Gotham Hotel concert orchestra.
 8.30 p.m.—New York Philharmonic orchestra.
 10.15 p.m.—"Slums of London," by George Laval Cheterton.
 10.30 p.m.—Waldorf Astoria Roof orchestra.
- WBZ (337) Springfield, Mass.
 5 p.m.—Leo Reisman Hotel Lenox ensemble.
 5.30 p.m.—Songs by Bill Coty and Jack Armstrong.
 5.40 p.m.—Leo Reisman and his orchestra.
 6 p.m.—Results of games played by the Eastern, American and National leagues.
 6.05 p.m.—Market reports as furnished by the United States department of agriculture at Boston.
 6.30 p.m.—Bedtime story for the kiddies.
 8 p.m.—Recital by Mildred Teitelbaum.
- KDKA (326) Pittsburgh, Pa.
 11.15 a.m.—Concert by Scalzo's orchestra.
 12 m.—Stockman report of the Pittsburgh live stock and wholesale produce market.
 2.15 p.m.—Baseball scores, inning by inning.
 5 p.m.—Baseball scores.
 5.30 p.m.—Dinner concert by the KDKA Little Symphony orchestra.
 6 p.m.—Baseball scores, dinner concert.
 6.30 p.m.—The children's period, "Come Sing With Little Miss Merry Heart."
 6.45 p.m.—News bulletins.
 7.15 p.m.—Farm programme arranged by the "National Stockman

and Farmer."
 7.40 p.m.—Stockman report on primary live stock markets, grain, feed, sugar, cotton, wool and produce.
 8 p.m.—Concert by the KDKA Little Symphony orchestra.
 10 p.m.—Concert.
 Complete radio programmes sold at Canada Radio Stores.

A resident art representative in Europe of the Canadian National Exhibition has collected an exceptionally attractive exhibit of British and European masterpieces for the Fine Arts Gallery. The Canadian collection is also said to be well selected. There will, as usual, be a display of graphic and applied arts and an International Photographic Salon.

LACE GOWN FOR FALL



The lace costume will have a conspicuous place in the fall and winter wardrobe. If not entirely made of lace it will be combined with soft crepe or chiffon in a delicate color and dyed to match. This costume is carried out entirely in beige color. Very wide banding is employed to form the bodice and the panels in the skirt and the undertunic. A novel feature is the girde tied low over the hips, which is made of pleated chiffon. Frequently these lace gowns are made in the form of tunics so that they may be worn over different colored slips.

REPAIRS!
 They are not needed now, but later on, when the rush comes there will be some delay in getting them quickly.
 ORDER NOW your Stove and Furnace Repairs and have them when you want them on the first cool day.
McKelvey & Birch, Limited
 General Contractors, Heating Specialists, Steam Fitters and Plumbers, Jobbers of Plumbers' and Gas-Fitters' Supplies, Stoves, Shelv, Heavy and House Furnishing Hardware, Tools, Oil, etc.; Supplies, Sheet Metal and Tin Work; Electric work; Painting and Paper Hanging. Special work of all kinds undertaken.

READ THE ADVERTISEMENTS
 Wise Shoppers Do It

OUT THEY GO
 Our Entire Stock of Summer Clothing and Furnishings
 For Men, Young Men and Boys
MUST BE SOLD!
 This is your opportunity to save.
 Space does not permit us to mention the many bargains we have arranged for you, but a visit to our store will convince you.
 Sale Continues All This Month
Louis Abramson's
 336 Princess Street - Phone 1098.
 We Sell for Less—Let Us Prove It

THURSDAY
 The Last Day of Our Sensational
20% DISCOUNT SALE!
 Never in our history has a sale feature aroused the interest of the shopping public as has this stupendous super-bargain event.
 Shoppers from as far east as Morrisburg and west to Belleville and Trenton were in attendance to-day reaping the benefits of this outstanding sale.
80c is worth \$1.00 at Steacy's Thursday
 On all regular priced merchandise—special sale goods (more drastically reduced than 20%), and Jaeger wearables only excepted.
 Take advantage of this great opportunity for the LAST TIME TO-MORROW and anticipate your future household and personal (as well as present requirements) at this history-making event.
 Concentrate your shopping here tomorrow and save 20c on every \$1.00 you spend
STEACY'S - Limited
 "Kingston's Shopping Centre"