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Department is working overtime to keep pace with the extra demand.

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4 BRICK VENEER HOUSES - 6 rooms each, 3 piece bath, electricity and gas, good yards, central location. Will yield over 10% as \$4,600-Brick, 8 rooms, 2 piece bath,

hot air, electric light and gas, right of way. Central. \$7000-Brick, 9 rooms, all modern,

h.w. floors. \$5,000-Brick, 6 rooms, modern improvements, garage. \$8,000- Brick, 9 rooms; all improvements, garage, large garden, fruit and flowers, good

location. \$8,500-Brick, 9 rooms; all modern; central. \$3000 - Frame, 6 rooms, Semi-

Bungalow; improvements. FURNISHED HOUSES TO RENT. Bateman's Real Estate

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THE MANY **SPORTS** OF SUMMER

NEED THEIR VARIOUS

TYPES OF

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Screen Doors Screen Windows Lawn Mowers Garden Hose Refrigerators Gas Ranges Perfection Oil Stoves

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WHY THE WEATHER?

DR. CHARLES & BROOKS

Secretary, American Meteorological ociety, Tells How.

Two "Lows" From One. Intense low pressure areas sometimes cut themselves in two, making two moderate storms from strong one. This is accomplished readily in late spring and early summer, when the strong sunlight on the following side of the low warms the cooler, drier westerly winds which succeed the warmer, moister, southerly ones. One day the weather may may show a big, strong "low," as on May 24th, 1924, with cool brisk to high northwest winds following it. The next day it will be seen that these winds along the back of the "low" have turned almost at right angles to their former course and are now coming from the southwest. Heat from a high sun has warmed the dry air readily, starting 239 years ago. The celebrations beconvection. The northwest surface wind which we saw on the map has thus become mixed with the general southwest wind above it and now, as the war. a result of a redistribution of pressure, the whole wind motion appears

CORNS SOFTEN IN FOOT BATH

Hot water extraction of corns and callouses offers the only perfect way to rid yourself of these painful their transmission lines, and awardtroubles. Take just a minute or two ed the village of Kemptville \$500. and spread a few drops of Putnam's Painless Corn Extractor over the sensitive surface of the corn or callous, and the pain is stopped at once. Then Ottawa, June 18.—A single voyage —Miss Ida Elliott, accompanied by Terril, fifteen years old, whose home you will forget your corns, because of a Canadian government merchant Miss Lillie Finn at the piano. Read- is in Gardenville, Ont., near Trenton, they will not pain. Later you use a ship to India resulted in a loss of ing: "Betty at Her First Ball Game" held here, is wanted by the United hot foot bath for five or ten minutes. Ship to India resulted in a loss of Corn crumples up and drops off. It is a grand and glorious feeling that you get from Putnam's Painless Corn Ex
ship to India resulted in a loss of ling: "Betty at Her First Ball Game" held here, is wanted by the United dent of the Canadian National Rail"Dream," "Sweetheart" and a deserter, but United States immightly Lak a Rose"—Mrs. Louise gration officials say the United States

as southwest. This turning of the cooler, drier, and, therefore, heavier wind has apparently driven a wedge of higher pressure into the low and split it into first and second sections. The second or westward section is likely to be forced backwards, or port, from east to west, a reversal of the usual motion. Hence part of the storm may return to give more rain Poole. at a place where it has already previously rained and cleared off.

FAMILY LARGE AND OLD.

Known Descendants of Claude Bernard Number 951.

Lille, France, June 18 .- A family party numbering 377 met yesterday at the home of Bernard Verley, who, with his wife and 19 children acted as hosts to the relatives. Further connections bring the family to 951, the balance of which were unable to attend the party.

They are the descendants Claude Bernard, who was married gan with a mass and the dedication of a tablet bearing the names of 21 members of the family who died in

Dismisses Motion. Toronto, June 18 .- Justice Riddell has dismissed a motion by the Kemptville Milling Co. for an order planist; Arthur Moll, accompanist. setting aside a judgment by Justice Rose in which he dismissed the claim for \$46,145 damages for injury to the company's plant and cutting off

A Huge Loss.

Why We Tap the Secondaries of Neutroformers

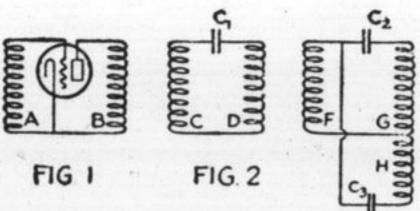


FIG. 4

FIG. 3

Why We Tap the Secondaries of "H" and the capacity "C-3." The Neutroformers.

A frequent question from build- Assuming that the coils "G" and ers of neutrodyne sets is just why "H" are the same size, and condenthe secondaries of the neutroformers sers "C-2" and "C-3" of equal valshould be taken off.

is to tap off the secondary at about by prevented. the same number of turns, or just However, if coil "H" should a few more turns than the primary happen to be larger than "G," so 15th or 20th turn.

coil is tapped: coupled so closely to the secondary will again be effected. that the effect is to tune it also. In In the complete neutrodyne, il

the tube circuit in Fig. 1.

illustrated in Fig. 3. Here "F" is the about equal to the primary windgrid coil, "G" the tuned plate, and ing-that is, 15 or 20 turns. Hazeltine's addition consists of coil can Radio Relay League, Inc.

are taped, and at what point the taps ues when voltages are set up in "G," identical voltages are set up in The exact point at which the sec- "H," and while the "G" voltages are ondary is tapped is not important, fed back to "F" through "C-2," "reand listeners who are "building their verse voltages" from "H" go back own" do not need to worry much through "C-3" and buck the feed-

neutralizing effect occurs as follows:

about this point. A fairly safe rule back from "G." Oscillation is there-

winding. In other words, if the that greater voltages are generprimary consists of 15 turns, the ated across the former than across secondary tap may be taken at the the latter, we can still obtain neutralization by controlling the Now as to the reason why the feedback with the condenser "C-3." If we have "H" larger than "G." First of all, remember that the greater voltages will be set up in neutrodyne is, practically, a radio "H." but if "C-3" is made corresfrequency amplifier with tuned pondingly smaller than "C-2," the primary and tuned secondary, action of "C-3" will be to throttle Common practice is to tune the the excess voltage generated in "H," secondary only, but the primary is and by adjustment, neutralization

Fig. 1 we have shown a single stage lustrated in Fig. 4, the secondary of of amplification with the two coils the neutroformer, shown as "M," 'A" and "B" representing the is usually about 60 turns-much uned primary and secondary. In larger than the primary "L," which Fig. 2 we show the same thing, but is usually 15 turns. This means that have drawn a condenser "C-1" to if "C-5" were connected to the top represent the grid-plate capacity of of "M," as shown by the dotted line, the tube in Fig. 1. Fig. 2, then, is it would have to be made very small simply a graphical representation of indeed to sufficiently throttle the big voltages set up in the secondary Now in Fig. 2, if coil "D" is "M." It would have to be so small tuned to coil "C", as is done when that it would be very inconvenient the amplifier is tuned, energy will to handle, so to get around this it be fed back through the capacity has become the practice to tap off "C-1" from "D" to "C," and oscil- for the neutralizing condenser as lation and regeneration will occur. some point lower down on the coil, Hazeltine, in his neutrodyne ar- so that the generated voltage will rangement, provided a method of be smaller, and the capacity "C-5" feeding back "reverse" lenergy to may be increased to an easily handnullify the effect of the energy fed |led size. Common practice, as we back through C-1. This method is have said, is to tap off at a point

"C-2" the grid-plate tube capacity. Copyright, 1924, by The Ameri-

RADIO BROADCASTING

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

WEAF (492) New York City. 4-6 p.m.-Joseph C. Wolff, bass baritone, accompanied by Bessie Krey; Alma D. Stoll, contralto, accompanied by Gertrude Donde; Royal Novelty orchestra; Ethel H. Elderkin, dramatic soprano; children's hour programme.

6-12 p.m.—Dinner music. Concert by Mabelanna Corby, composer-pianist, and group of artists; Charles Magnantem, accordionist, and thony Torre, violinist; Vincent Lopez and his orchestra from roof garden of Hotel Pennsylvania.

WGY (280) Schenectady, N.Y. 11.30 a.m.-Stock market report. 1.40 a.m.-Produce market re-

"A Soldier's Courtship," by John

Stephen E. Boisclair, organist, from chestra, Victor Saudek, conductor;

WBZ (827) Springfield, Mass. 5 p.m.-Dinner concert by Leo

WGY players.

Reisman ensemble. 5.30 p.m .- Dinner dance music by Leo Reisman and his orchestra. 6 p.m.—Results of games played by the Eastern, American and National leagues. Market reports as furnished by the United States department agriculture at Boston.

7.15 p.m.—Concert by the quar- and 1814 in the Niagara district. tette of the Central Congregational Church of Newburyport, Mass. 8.15 p.m.-Recital by Lina Damiano McSweeney, soprano; Alden Redmond, baritone; Mae Gorman,

WLW (309) Cincinnati, O. 5.15 p.m.-Baseball results.

of the World. 10 p.m.-Songs: "Rose of Picardy," "Where My Caravan Has

(Miss Bluebeard)—Mrs. Margie Metz. Reading: "How Miss Ceely Took the Cake"-Miss Nova Beck Vocal Duets: "Barcarolle" "When Twilight Weaves"-Mrs. Ida Elliot and Mrs. Metz. 11 p.m.—Special entertainment by

the Doherty Melody Boys.

KDKA (326) Pittsburgh, Pa. 11.15 a.m.—Organ recital by Howard R. Webb, from the Ritz Motio Picture Theatre, Pittsburgh. 2.15 p.m.-Baseball scores, inning by inning, of the games being

played to-day. 5 p.m.—Baseball scores. 5.30 p.m .- Dinner concert by the KDKA Little Symphony orchestra, Victor Saudek, conductor.

6 p.m.—Baseball scores; dinner concert continued. 6.30 p.m.-The children's period -"The Man, the Alligator, and the Cunning Mr. Rabbit."

6.45 p.m.—News bulletins. 7 p.m.-Baseball scores.

7.15 p.m.-Programme arranged by the National Stockman and farm-1 p.m .- Music and one-act play, er, including the market reports. 8 p.m.-Concert of Civil War and other old time melodies, presented p.m.—Organ recital by by the KDKA Little Smyphony or-

Proctor's Harmanus Bleecker hall. Irma Carpenter, soprano: Mabel 8 p.m .- Drama, "The House Next King, contralto; Roy Strayer, tenor; Door," by WGY players. Selection, Ethel Whittlesly, harp. Broadcast "At Little Trianon," WGY orchestra; from Carnegie Lecture hall, Pittscomedy, "The House Next Door," burgh. 10 p.m.—Concert.

Complete radio programmes sold at Canada Radio Stores.

Improves Historic Battlefields. Ottawa, June 18 .- Restoration of the historic sites in the province of Ontario during the past three years has involved the expenditure by the of Federal government of \$8,519. Of this \$2,368 was spent on the acquisi-6.30 p.m.—Bedtime story for the tion, restoration and marking of the battlefields of the war of 1812, 1813

Wheat Pool Contracts Now Legal. Regina, Sask., June 18 .- Contracts signed by Saskatchewan farmers to deliver their wheat to the wheat pool organization are now legal. Directors of the organization gave an official estimate of the acreage now under contract, of 6,150,-10 p.m .- Times-Star Radio Club 000, well over the objective of 6,-132,000 acres.

Does Not Want Him.

tractor. It costs but little, and is committee on national railways and Phalsgraph Fappner. Piano solo: does not want him. He will likely government merchant marine. | "Butterflies at Play"-Miss Lillie be returned home.

PROBS:-Thursday, easterly winds, fair and moderately warm.

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Miladi Chiffon Hose

Each pair enclosed in a separate envelope and includes Black, White, Silver, Moth, Sheepskin, Skyn. Complete range of sizes \$1.59

Thread Silk Hose

Thousands of pairs in all colors—all the best known makes, including-

Radium, Holeproof, Gordon, Venus, Gotham, Point Heel Priced \$1.50 up to \$3.00.

White Silk Hose

25 doz. Ipswich Mills White Silk Hose - splendid wearing quality; all sizes. Regular \$1.00 . Sale Price 69c.

Gordon Silk Hose

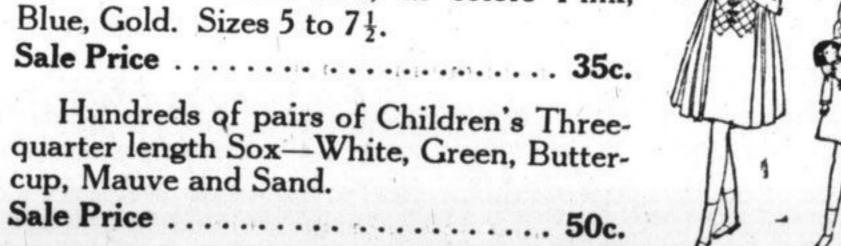
Black, White, Log Cabin, Sand, Grey, Peach, Nude,

Ipswich Thread Silk Hose

200 pairs All Silk Hose in Black only. All sizes worth regular \$1.50 Sale Price 98c.

Children's Sox

25 doz. Kiddies' Sox, in colors Pink, Blue, Gold. Sizes 5 to 7½.



Kayser Silk Hose

> Black, White, Mastic, Fawn, Grey. Sizes 6 to 71. El-

Kayser Silk Gloves

Black, White, Sand, Pongee, Grey. Sizes 6 to 71. Double tipped. 2 Dome Gloves Sale Price \$1.00

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