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THE EVENING TIMES AND STAR, ST. JOHN, N. B., FRIDAY, FEBRUARY 23, 1923

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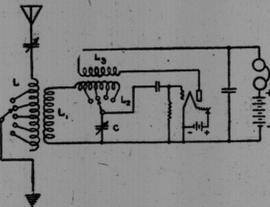
## FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis  
Formerly Technical Electrical Expert For U. S. Government

Lesson No. 241.

### THE TWO COUPLER RECEIVING CIRCUIT

The regenerative receiver employing two variometers is one of the most popular forms of amateur receiving sets and its construction as well as its operation is fairly well understood. Regenerative receivers where regeneration is obtained through the medium of a tickler coil are less common but are capable of rendering very satisfactory service if properly constructed and operated. The type of receiver here described is known as the "two coupler" regenerative receiver for the reason that there are no variometers used in the construction, the coils of the various circuits being incorporated in two variometers.



The arrangement illustrated is of the three circuit type, coil "L" being the stator or primary of the variometer, and "L1" the secondary or rotor. Included in the secondary circuit is a second coil, "L2," which really amounts to a secondary loading coil and may be the primary or stator winding of a second variometer. Coil "L2" is the tickler coil by means of which a portion of the energy of the plate circuit is fed back to the grid circuit and may be the rotor winding of the second variometer. By means of the variometer constituting the tickler and secondary load coils, the amount of regeneration and the wave length of the secondary circuit may be varied at will without affecting the coupling between the antenna circuit and the secondary circuit. This is a very desirable feature and is of primary importance in selective tuning. In many types of loose-couplers, for example, the wave length of the secondary circuit is increased by increasing the number of turns in use through the operation of the switch. This method at the same time increases the coupling between the primary and secondary circuits because the additional turns are a inductive relation to the primary turns.

A convenient size for the variometer primaries for receiving short wave broadcasting is 9 1/2 inches with 70 turns on the stator or "L," and 22 turns on the rotor of the first variometer. Coil "L2," the tickler coil, should have about 50 or 60 turns, while the secondary loading coil need have only about 25 turns. The secondary windings "L1" and "L2" are shunted by the variable condenser "C" which should have a capacity of about 0005 microfarads.

In operation it will be found that the regenerative effect may be controlled by means of the coupling between the tickler coil and the secondary loading coil as well as by varying the number of turns in use on the secondary loading coil. Reduction in the number of turns in use on coil "L2" may be compensated for by increasing the amount of secondary condenser in use. If variometers of the 180 degree type are employed in this circuit very close adjustments are possible, a feature which is highly desirable in distinguishing between 300 and 400 meter broadcasting stations.

In localities where the interference is not a serious problem it may be desirable to omit the first variometer and connect the antenna circuit to the terminals of the coil "L2," thus converting the circuit into the standard single circuit regenerative type. In this case the coil "L2" should have about twice as many turns. A series condenser should be employed in the antenna circuit for close adjustment of that circuit.

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### RECENT DEATHS

**James Sidney Kaye,** 5 Carlton street, died yesterday after an illness of several months. He was for many years the representative of the Royal Insurance Company in this city, but retired a short time ago. He was a son of the late James J. Kaye, a well known lawyer of this city. He belonged to St. John Lodge No. 2, F. and A. M. and was a member of St. John's (Stone) club. He is survived by his wife, two sons, Richard C. B. Kaye, of Moncton, and Sidney C. B. Kaye, of this city; two daughters, Mrs. H. W. Newnam, of Moncton, and Mrs. Roy A. Davidson, of this city; two brothers, Lieut.-Col. J. H. Kaye and F. W. Kaye, both of this city; and five sisters, Mrs. J. C. Allison, Mrs. C. J. R. Kerr, Mrs. H. W. Booth and Miss Annie J. Kaye.

**Frank J. Whorton,** 73 Exmouth street, yesterday received news of the death of her brother, Frank J. Whorton, which occurred on Tuesday in Detroit. Mr. Whorton was formerly of St. John, and went overseas with the first contingent. He leaves his wife, one son, two sisters, one of them being

## Spanish Sheik Threw Her Out Of Apartment, Says Southern Beauty



New York, Feb. 22.—Being a "gorilla peach" has its difficulties. Just what they are, Miss Lucille Whitehurst is willing—even eager—to testify.

That not all is moonlight and magnolias in the sunny Southland has been discovered by Miss Whitehurst, whose romantic bubble has just burst with a loud and resounding report.

The belle of Americus, Georgia, she found even her ardent southern temperament unable to cope with the eccentricities of her fiery Castilian lover, Señor Mariano Vidal, and the money-bags of northern business, so she says.

According to her plaint, which the U. S. District Attorney is investigating, she and Señor Vidal were sweethearts until Vidal was made vice-consul of Spain in New York.

She says his love for her then cooled, and that, blinded by visions of Broadway's gayeties and Fifth Avenue's drawing-rooms, he was ready to forget that she and Americus, Georgia, overlaid.

In enforcing this decision, she says he snatched his engagement ring from her finger, and threw her out of his apartment here, whither she had gone in a last attempt to win back his affections.

Señor Vidal denies the charges.

Mrs. McHale, and one brother, Samuel T. Whorton of St. John. The funeral was held in Detroit.

**John F. MacLaughlin,** the death of John F. MacLaughlin occurred last evening at his residence, 72 Ludlow street, west end. Mr. MacLaughlin's death, which was very sudden, came as a great shock to his relatives and friends. He is survived by two brothers, Harry, of Manchester, N. H., and Augustus, of Bridgewater, Mass.; William MacLaughlin, of

Stores Open 9 a.m.; Close 6 p.m.  
During Winter Months.

## Fresh Spring Styles In Men's and Boys' Suits

Some exceptionally fine suits are showing in the M. R. A. Ltd. Men's shop NOW. You're going to like the new styles, the new fabrics and the new colorings.

For Men there are Brand New "Society Brand" and other well known, reliable makes in two, three and four button styles. Materials include Donegal tweeds, herringbone stripes, and light overplaid and checks.

The tailoring is of an exceptionally fine character and the suits have the little distinguishing touches that set them apart from the ordinary.

For Boys we are featuring New "Kloth Klads" in refreshing spring patterns and styles. These extra fine suits are fashioned from superior fabrics and are made doubly strong at all points of greatest strain. They are as near "boyproof" as suits can be made.

Although M. R. A. Clothing has a well known reputation for superior quality—you'll find the prices no greater than for ordinary kinds.

Your inspection of the new models is invited.  
(2nd floor.)

## Clearance Prices on Odd Lines of Men's Furnishings

Every garment in this special selling is greatly underpriced. Quantities are limited. We advise an early selection.

Men's Fleece Lined Shirts and Drawers ..... Sale 69c gar  
Men's Heavy Ribbed Wool Shirts; large sizes. Sale 75c and \$1 gar  
Men's Colored Negligee Shirts; full sized bodies. . . \$1.19 each  
All Silk Neckwear in popular shapes and neat patterns. Sale 75c each  
All Wool Half Hose in black, heathers and grey; heavy ribbed. Sale 55c pr  
Ebony Hair Brushes ..... Wonderful value \$1.00  
Boys' Sweaters in coat style. A few only. Wonderful value \$1.25 each  
Hand Scrubs, very durable ..... Special 45c each  
(Men's furnishings, ground floor.)

## Manchester Robertson Allison Limited

KING STREET - GERRAIN STREET - MARKET SQUARE

## Week-End Specials at Waterbury & Rising's FEBRUARY SALE of Men's, Boys' and Youths' BOOTS

KING AND UNION STREET STORES

offers a Host of Exceptional Bargains in Boots—Bargains only made possible through discontinuing our wholesale business.

COME EARLY FOR YOUR SHARE

**FOR MEN—**

**HEAVY TAN GRAIN BOOTS—** \$3.45  
Splendid work Boots

**BROWN CALF DRESSY BOOTS—** \$3.45  
Made on English Lasts

**HEAVY GRAIN BOOTS—** \$3.95  
In Black and Brown

**BROWN AND BLACK BOOTS—** \$3.95  
All Shapes and Weights

**BROWN AND BLACK BOOTS—** \$4.65  
Medium Narrow Toes

**FOR BOYS—**

Sizing 13 ..... \$1.88 up  
Sizing 1 to 5 ..... \$2.28 up

**Waterbury & Rising, Ltd.**  
61 King Street 212 Union Street

## MONDAY WILL BE A HOLIDAY

for you from now on if you order us to call the first of the week for your laundry. You need not hesitate on account of cost because our wet wash system, which washes all your clothes and linens and returns them to you for ironing, is inexpensive.

**DRY CLEANING & DYEING — WET WASH & ROUGH DRY**  
PHONE 1707

**New System Laundry Limited**  
WET WASH & ROUGH DRY — CLEANING AND DYEING  
30-40 LANSDOWNE AVE.

## NOTICE TO PUBLIC.

# 50c.

Come in and try our special

## Turkey Supper

Saturday night, under the new managers of

## PARADISE, LTD.

(Successors to Bond's) 2-26

1923—AMDUR'S BARGAIN BULLETIN No. 4—1923

## Special For Saturday Only

<b>MEN'S WOOLEN COAT SWEATERS</b>	<b>Ladies' 1923 Polo Coats</b> .. \$6.95
Slightly Damaged .. \$1.00	<b>Ladies' Serge Dresses</b> Values to \$25 .. \$10.95
<b>Boys' Fleece Combinations</b> .. \$1.00	<b>Ladies' Jersey Suits</b> .. \$7.50
<b>PURE LINEN CRASH TOWEL-LING</b> .. 18c Yard	<b>Ladies' Jersey-knit Bloomers</b> .. 29c Pair

**Amdur's, Ltd., No. 1 King Square**

this city, is a cousin. The funeral will take place on Saturday afternoon at 2:30 o'clock from his late residence to the vault in Cedar Hill cemetery.

Patrick White.

Patrick White, son of Mrs. Thomas White of Moncton, died on Friday last in Boston. He was a native of Perth-Andover, Kings County, and was sixty-four years of age. He was for several years brakeman on the I. C. R. He leaves a wife and family.

Some wives could save money if their husbands would give them more to save.

**I'M THE MAN  
WHO SELLS  
AFFECTIONATE  
CON-FEC-TIONS!**

Hearts are trumps when you play the candy game. Every sweetheart has a sweet tooth. I can assure you that our confections are pure, fresh and at all times delicious.

**HERE'S MY HEADQUARTERS  
GEO. K. BELL  
DRUGGIST  
CHARLOTTE & ST. JAMES ST.**

## Special Bargains!

In Our Clearance Sale of Good Quality Footwear

**MEN'S RUBBERS**, in light weight or with heavy corrugated soles. Sale price ..... \$1.00

**GIRLS' TWO-BUCKLE OVERSHOES**—Sizes 12-2, 13-2, 1, 11-2, 2. Sale price ..... \$1.48

**WOMEN'S BROAD TOE and LOW HEEL RUBBERS**—Sizes 5 1/2, 6, 6 1/2, 8. Sale price ..... 55c

**MEN'S LOW OVERSHOES** for pointed toe boots. Sizes 6 1/2, 7, 7 1/2, 8, 9. Sale price ..... \$1.25

**McROBBIE**  
Foot St. John 50 King Street

## Shake Hands With the Turn-Back Stripe Glove

Something new in Vanity Fair, Chamoisette Gloves with stitched backs and striped turn-back cuffs; all sizes, in mode, beaver and grey ..... \$1.75  
Chamoisette Gloves with Silk stitching in colors, mode, beaver and black. Tomorrow 85c.  
Cape Kid Gauntlet Gloves having fancy stitched backs, in all sizes of brown and grey ..... \$2.45

## Bertha Collars 75cts Tomorrow

The finishing touch to most anything and right in the van of Fashion—Net Bertha Collars edged in lace. Tomorrow 75c.  
Ninon Berthas, Valenciennes lace insertion and edging ..... \$1.25  
Collar and Cuff Sets in Flannel, Linen and Organdy, 85c.

## Flowing Veils, Braided 39c

All have braided borders and come in brown, purple and black ..... Tomorrow, 39c.  
Moons Lisa Fitted Veils, brown, blue, black. .... 39c.  
Satin Hair Ribbons, 5 inch, red, pink, rose, sky 49c.  
Cap Nets of Real Human Hair ..... 7 for 25c.  
Nile Hdks., hand-drawn thread, hemstitched. .... 18c.  
Colored Lawn Handkerchiefs having fancy borders and hemstitched edge. .... 12c.  
Fine Nainsook Gowns, stamped ..... \$1.29  
Stamped Combing Jackets ..... 29c.  
Stamped Kiddies' Dresses, colored Chambrays ..... 85c.  
Stamped White Linen Centres ..... 85c.  
Mending Wool, all colors, ..... 4 skeins for 17c.  
White and Black Tape, different widths, ..... 3 rolls 19c.  
Dress Snaps, black and white, ..... 3 cards 12c.  
Sewing Needles, every size ..... per packet, 5c.  
Assorted Pins ..... three sheets of 300 each for 14c.

## Wide Rib Wool Hose, 97c

Pure Wool and in brown, sage, coating ..... your size 97c.  
New Heathers, browns, greys, greens ..... \$1.39  
Black Cashmeres with white clocks, garter tops, double heel and toe—striking— and ..... tomorrow \$1.39

## DANIEL

Corner of King

**SEVEN DEATHS IN MONTH**  
(Moncton Transcript)

Seven deaths are reported in the C. G. R., E. R. and L. A. for the month ending Feb. 20. Names, late residences and causes of death are as follows:—

from injuries; Walter Moore, Lewis, heart failure; Geo. O. Forbes, Sydney, cerebral hemorrhage; James E. Jackson, Halifax, died as a result of an accident; and Alex. Grega, Port Williams; Wesley Stewart, New Wiltshire, and Spurgeon Stiles, Hillsboro, who died as result of injuries received in the

A start was made yesterday on the erection of the sub-station, the contract for which was awarded to H. O. Clark. The contract for the switching equipment for the city sub-station was signed yesterday, the Canadian Westinghouse Company receiving the order for the material.