

(THE EVENING TIMES AND STAR, ST. JOHN, N. B., SATURDAY, JANUARY 27, 1923)

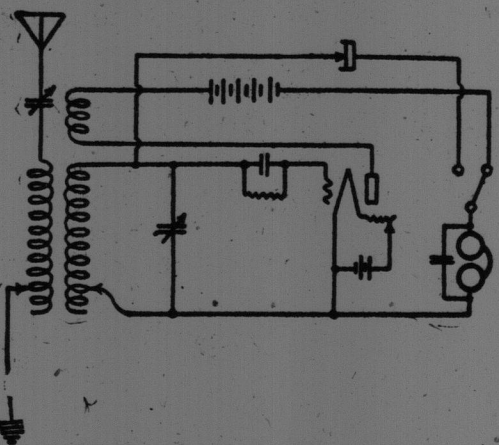
## FIFTEEN MINUTES OF RADIO EACH DAY

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

Lesson No. 217.

### THE CRYSTAL-AUDION RECEIVING CIRCUIT.

The average radio enthusiast progresses by stages toward "the last word" in receiving sets. At one point in this development the old reliable crystal detector is gradually forsaken in favor of the more complicated vacuum tube detector with its many flexible arrangements. It is then desirable to have some convenient way of connecting either the crystal detector or the vacuum tube in circuit at will. Such a device affords the two-fold advantage of enabling the operator to quickly change from one type of detector to the other for purposes of comparison and also permits the use of the crystal for strong signals, while reserving the tube and battery for continuous waves and weaker signals.



The accompanying diagram shows how a regenerative receiver of the "tickler coil" type may be converted into a loose-crystal set by merely moving the arm of a double throw, single pole switch. The switch serves to disconnect the telephone from the plate circuit of the vacuum tube detector circuit and connect them to the crystal detector. Although the circuit illustrated shows a three circuit receiver of the usual regenerative type, any loose coupler may be used for this circuit. Using a loose coupler alone, the circuit will of course not be regenerative when employing the vacuum tube detector so that the experimenter will have an opportunity of comparing the crystal and audion detectors on equal grounds. It will be found that there is little difference between the results obtained with a good crystal detector of, for example, the galena type, and those obtained with the audion tube without regeneration.

Study of the diagram shows that the condenser across the telephone receivers which acts as a radio frequency by-pass when the regenerative circuit is in use serves the purpose of the usual telephone condenser when the crystal detector is in use. There is a small amount of capacity between the elements of the vacuum tube itself, which is in shunt to the secondary tuning condenser when the crystal is in use but this capacity is small compared to the capacity of the tuning condenser.

One or more stages of audio frequency amplification may be used in connection with this circuit by connecting the primary of the first amplifying transformer at the point indicated for the telephone. The circuit given may be readily adapted for use in connection with a receiving set of the single circuit type instead of the two or three circuit type.

While the vacuum tube receiver with regenerative features is greatly superior to the crystal detector type of receiver, the amateur of limited means will find the circuit useful in conserving battery and tubes and the more advanced enthusiast who has burned out his last tube may find it useful in emergency.

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### RECENT DEATHS

**Miss Alice D. Ryan.**  
News of the death, which occurred on January 24, of Miss Alice D. Ryan, formerly of Sussex, N. B., but lately of Dorchester, Mass., came as a great shock to her many friends. Miss Ryan was ill but a short time with pneumonia. She is survived by seven sisters—Mrs. Mary Whalen, of Butte, Mont.; Mrs. Margaret Reardon, Miss Katharine Ryan and Mrs. James Doherty, of Sussex, N. B.; Mrs. Patrick Doherty, Houlton, Me.; Mrs. A. P. Connerston and Miss Elizabeth Ryan, of Dorchester, Mass.

**Mrs. C. G. Langille.**  
Mrs. C. G. Langille, of River John, N. S., died on Thursday at the home of her daughter, Mrs. George J. Barrett, West St. John. Besides Mrs. Barrett she is survived by four daughters and two sons, one of whom is B. M. Langille, of St. John.

**Minard's Liniment for Neuralgia.**  
The polar region has about 800,000 inhabitants.

### THE METROPOLITAN LIFE PROGRAMME BY RADIO

The entire banquet programme of the Metropolitan Life Insurance Company at the Hotel Astor, New York, on Saturday evening, Jan. 27, at 7.30, including the speech of President Haley Pike, is to be broadcast by radio.

### MAIN STREET ... North End

Pastor: Rev. D. Hutchinson, D. D.  
SPECIAL SERVICES CONDUCTED BY SOLDIER PREACHER  
REV. A. K. HERMAN.  
11 a.m.—Subject: Pointers on Worship.  
2.30—Sunday School and Brotherhood.  
7 p.m.—Subject: Spiritual Fore-sight.  
SERVICES EACH NIGHT EXCEPT SATURDAY.

Good Hearty Singing.  
Addresses on special themes by Soldier Preacher Herman.  
Come. Who? You who read this.



Hudson Seal Coats, \$239  
Electric Seal Coats, \$72.50  
Long Pony Coats, also, \$41.75  
One Taupe Wallaby, 45 in., \$25  
Kolinsky Marmots, \$75  
40 inch Muskrats, \$95

Wherever you look in the Liquidation Sale there is the coat you need at a bankrupt price. Ninety-thousand dollars' worth of the finest to choose from—and one third of them 1923 Models below 1923 wholesale.

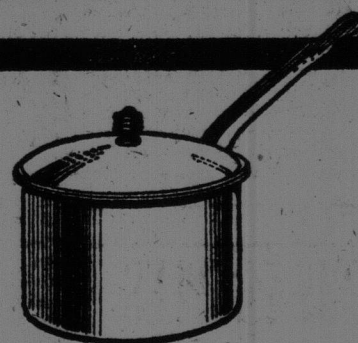
**H. Mont Jones LIMITED**  
EXCLUSIVE FUR DESIGNERS  
92 King Street.

## Spodes Italian Blue

Many new pieces of this famous Old Ware are now being shown.

Old Roman Scenery produced from original engravings.

**W. H. HAYWARD CO.  
LIMITED**  
85 to 93 PRINCESS STREET



Replace Utensils that wear out  
with Utensils that

## "Wear-Ever"

Northern Aluminum Co., Ltd., Toronto

### WOMEN'S COUNCIL MET YESTERDAY

The St. John Council of Women met yesterday afternoon in the Board of Trade rooms with the president, Mrs. E. Atherton Smith in the chair. Mrs. D. P. Chisholm and Mrs. J. S. Flager were nominees of the council for members of the Board of governors of the Municipal Home. The treasurer Miss Alice Estey, reported \$80.04 in general fund and acknowledged a contribution of \$5 from Mrs. W. F. B. Paterson for the milk fund. It was decided to entertain Mrs. Emmeline Penkhurst at dinner during her stay in the city. Mrs. A. C. D. Wilson, Mrs. H. B. Peck, Mrs. H. W. Robertson and Mrs. J. A. Mulcahy were appointed a committee to replenish the treasury. Mrs. J. D. Seely reported on visits to the Boys' Industrial Home and of the treat given there at Christmas. Mrs. Smith paid a glowing tribute to Premier Foster and on motion of Mrs. E. A. Young seconded by Mrs. J. H. Doody the sentiments expressed were ordered embodied in a letter and sent to the Premier. Two standing committees, one to confer with the Mayor and one to deal with soldiers' pensions and soldiers' dependants were appointed.

The two committees were named and endorsed by the meeting as follows: To confer with the Mayor, Mrs. E. Atherton Smith with Mrs. Richard Hooper as substitute, Mrs. H. H. Pick-

ett, Miss H. McCloskey and Mrs. W. B. Tennant. For the soldiers' pensions and soldiers' dependants, a committee established at the request of the National convener, Mrs. J. Muldrew, the members named were Mrs. E. A. Young, Mrs. H. W. Robertson, Mrs. J. H. Doody, Mrs. A. W. Estey, Mrs. J. R. Van Wart, Mrs. A. J. Mulcahy. The president and corresponding secretary are ex-officio members of both committees.

### SCARCITY OF CATS BECAUSE SO MANY WERE EATEN

New York, Jan. 27.—The American Relief Administration today received a plea from its representative in Kiev for funds to purchase cats, which are bringing 10,000,000 rubles, with kittens at half price. Scanty food supplies are rapidly being depleted by a horde of invading mice, and there is a scarcity of cats because of the number eaten during last winter's famine.

### MONTREAL FOREMAN DIES IN SEWER

Montreal, Jan. 27.—Trapped by gas in a sewer, yesterday, A. Pare, foreman in the city sewer department, was asphyxiated while comrades made fruitless efforts to rescue him. It was more than three and a half hours before Pare was brought to the street level.

### CAMPBELLTON'S NEW RINK

(Campbellton Graphic).  
When the new rink and club rooms in Ritchie Street is completed within the next few days Campbellton will possess a curling rink which will, in size and up-to-dateness compare very favorably with anything of its kind in the Maritime Provinces. The new building which provides ample room for four sheets of ice is 170 ft. in length and 8 ft. wide. This leaves sufficient room for splendid club quarters on both floors. The total cost, when completed, will be about \$12,000.

The rink itself is a substantially constructed building founded on a durable concrete sub-structure. It is warmly clad-boarded and careful provision has been made for adequate light. The front room on the ground floor which the entrance gives ingress to is tastefully finished in beaverboard and Douglas fir and besides providing cheery and comfortable club quarters will be used as an observatory by spectators watching the matches, as large windows run the length of the room in the rear wall facing the ice.

The banquet hall and kitchen are located on the second floor in convenient proximity to each other. This hall, which will be used for social meetings of the club runs the full width of the building and is tastefully finished on the same plan as the lower room. It is the intention of the club to have this apartment luxuriously furnished and when completed it will doubtless be one of the most pleasing features of the new rink.

From time to time visitors from various parts of the Dominion who are interested in curling have called to look over the new rink, and all have been

### Wanted

Those ladies who wear size 2 1/2, 3 or 3 1/2 to call and see the wonderful values we are offering in

### LACED AND BUTTONED BOOTS

in these sizes.

Size 1.45  
Price 1.45

There are Walkovers and leading Canadian makes among these bargains.

### WOMEN'S RUBBERS—

in a number of styles... 70c

### CHILDREN'S RUBBERS—

in sizes 4, 4 1/2, 5, 5 1/2. Sale price... 45c

### WOMEN'S OVERSHOES—

in button and strap styles. Sale price... \$1.95

### WOMEN'S LOW OVERSHOES—

nearly all styles. Sale price... \$1.35

See our window and bargain table for these and other special values.

### McROBBIE

Foot St. John 50 King Street

### Kayser's Celebrated Italian

### Glove Silk Hose

LADIES' HOSE \$1.95 a Pair. LADIES' HOSE \$1.95 a Pair.

### AMDUR'S, LTD.

No. 1 King Square

Black and several shades. Regular \$5.00 quality. The best buy in Hosiery in local history. Extraordinary value, with Pointex Heel.

Amdur's, Ltd., The Woolens Centre

### SPECIAL DISPLAY OF ORIENTAL RUGS

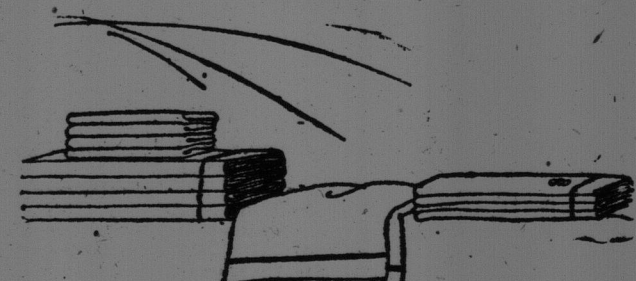
Values are much better than we have been able to offer in almost fifteen years.  
(Carpet Dept., Germann street entrance)

Stores open 9 a.m.; close 6 p.m.  
During winter months.



## Our Free Hemming Sale Offers Its Fourth Big Bargain Event Sale of Tablecloths and Napkins

You'll find these bargains worth making a special effort to secure



### DAMASK BORDERED TABLECLOTHS AND NAPKINS

All Pure Linen

Fresh, perfect goods, in newest designs

### TABLECLOTHS—

Size 2x2 yards—Sale \$5.60, \$6.50, \$6.75, \$8.25, \$9.75, \$10.50.

Size 2x2 1/2 yards—Sale \$6.90, \$8.25, \$8.60, \$11.00.

### NAPKINS—

Size 22x22 in.—Sale \$7.25, \$8, \$8.25, \$9.25, \$9.75 doz.

A Limited Number of Slightly Soiled Table Cloths Marked

Special Low for Quick Disposal.

Size 2x2 yds.—\$6.25, \$6.50, \$7.50, \$8.50.

Size 2x2 1/2 yds.—\$6.75, \$7.90, \$9.50, \$10.50.

Broken Lines of Damask Napkins in Cotton, Union and

Pure Linen, all at Big Bargain Prices.

Size 15x15 in.—\$1.00 half doz.

Size 18x18 in.—\$1.25 and \$1.50 half doz.

Size 20x20 in.—\$1.50 and \$1.75 half doz.

Size 22x22 in.—\$1.75 to \$8.75 half doz.

Size 24 and 25 in.—\$2.00 to \$3.50 half doz.

## Old Dutch

Soft and Flaky,  
won't scratch.

Contains no lye  
or acids.

Goes further,  
gives better  
results.

Cleans all thru the house.



At \$19.75



**POIRET TWILL** and  
Tricotine Dresses of  
such character that you  
gasp at the slight price. A  
size for anyone, too.  
Straight lined waists with  
narrow belts and panels  
pleated, braid trimmed or  
embroidered. One would  
have a Flame Crepe vest,  
another Nile Green—this  
one has button and loop  
edging. Watch the window.  
\$19.75 and a size for  
all!

### Silverflos Summer Yarn

Age—one day.  
Quality—Corticelli.  
Characteristic—a sil-  
very flash created by a  
silk wrap in the three-fold spinning. Shades—ten. Uses  
—scarves, sweaters, hats. And color tones are coming  
strong this year. See seven other Corticellis and thirty  
tints in the corner window.

**F. W. Daniel & Co.**

## WOMEN! DYE ANY GARMENT OR DRAPERY

Waists Kimonos Draperies  
Skirts Curtains Gingham  
Coats Sweaters Stockings  
Dresses Coverings Everything

### Diamond Dyes

Each 15 cent package of "Diamond Dyes" contains directions so simple any woman can dye or tint her old, worn, faded things new, even if she has never dyed before. Buy Diamond Dyes—no other kind—then perfect home dyeing is guaranteed. Just tell your druggist whether the material you wish to dye is wool or silk, or whether it is linen, cotton, or mixed goods. Diamond Dyes never streak, spot, fade, or run.

### Bilious Attacks

Are Usually Due to Constipation

When you are constipated, not enough of Nature's lubricating liquid is produced in the bowel to keep the food waste soft and moving. Doctors prescribe Nujol because it acts like this natural lubricant and thus replaces it.

Nujol is a lubricant—not a medicine or laxative—so cannot gripe. Try it today.



to me then to be a puzzling thing that the son of Arnold of Rugby, product of Winchester, Rugby and Oxford—English to the fingertips—should have been the first eminent man to explain why his countrymen, afflicted by insularity, were unable to understand or to govern the Irish.

I have ceased to wonder. The poet like his own beloved Sophocles, he, in spite of brooding fears, distractions and perplexities, could sometimes see life steadily and see it whole.

His sympathetic penetration into the dreams and fancies of the Celtic race becomes less surprising when we remember the plasticity of his mind in education and religious speculation. A dreamy poet may also be a practical reformer. He laid the foundations, by means of materials gathered during his expeditions on the continent, upon which school boards were afterward to be built.

He showed us by example how excellent a thing is restraint in poetry, and proved his faith in wider principles by taboos his own "Empedocles on Etna." Those principles now seem to some of us to be self-evident. It was Arnold who made them so. No one has done more to illuminate

### DON'T LET THE FIRE BURN THRU TO THE OVEN

What a pleasure it is to do things yourself and to know they are well done. FOLEY'S PREPARED FIRE CLAY enables you to put the most durable of all linings in your own Stove. Get a sheet of directions from the Hardware or Stove Dealer when you buy your Clay. The above does not apply to those who burn wood exclusively. For them iron linings give good service.

