# POOR DOCUMENT

THE EVENING TIMES AND STAR, ST. JOHN, N. B., FRIDAY, NOVEMBER 10, 1922

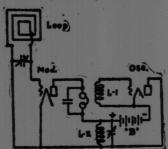
## FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis

Formerly Technical Electrical Expert For U. S. Gov-

Lesson No. 150.

MODULATION APPLIED TO RECEPTION. reception of continuous wave signals it is comme heterodyne principle in some form or other, such



ency amplification.
ductance coils (L1) and (L2) in the diagram may be

usual form of regenerative receiver where the detector tube does not rectify very weak signals efficiently. The circuit shown is simple to operate, having only two controls, the variable condenser in shunt to inductance coil (L2) which adjusts the frequency of the locally generated oscillations. (All Rights Reserved by United Feature Syndicate, Reproduction Prohibited)

#### Lesson No. 151. RADIO DICTIONARY.

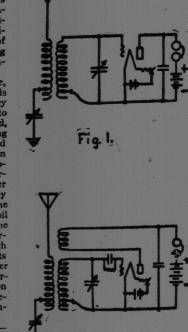
A condition which exists in lead cells due to over-discharge or to allowag the cell to remain discharged for a considerable period. The producon of an excess of lead sulphate causes the plates of the cells to buckle,
hich either short-circuits the cells or reduces their capacity through the
illing off of the active material from the plates.

A circuit in which two vacuum tubes having similar characteristics are connected in the same manner as a single-stage amplifier. Owing to the fact that the input voltage is divided equally between the two tubes, variations in this input voltage may be used which are twice as large as variations impressed upon a single tube. The resultant outputs are correspondingly increased due to the summation of the outputs of the separate tubes. (All Rights Reserved by United Feature Syndicate. Repro

Lesson No. 152.

FUNCTIONS OF THE THREE-ELECTRODE. direct amplification, regenerative amplification and oscillation. Through the first of these functions, rectification, it converts the received radio oscillations into uni-directional pulsation which produce audible signals in the telephone receivers. In this respect it resembles the crystal detector but in addition to its rectifying properties it simultaneously performs the function of direct amplification, due to the fact that the small amount of energy received in the grid circuit is used to control the larger amount of local energy provided by the battery in the plate circuit of the tube. In other words, the alternating voltage of the received oscillation, when impressed between the grid and filament causes the plate current to follow the variation of the voltage impressed upon the grid.

This relation is brought out in the simple receiving circuit of Figure which shows the physical relations existing between the plate and grid directits. When no signal is being received and the circuit is in proper adustment, a steady current flows from the positive terminal of the plate lattery, through the telephone receivers, from plate to filament inside the lattery, through the telephone receivers, from plate to filament inside the lattery of amplification possessed the tube may be utilized previous rectification of the received oscillation.



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#### RECENT DEATHS

Mrs. Jennie A. Waring. Many friends will regret to learn f the death of Jennie A., widow of George H. Waring, which occurred last evening at the residence of her son-in-law, George R. McKean, 36 Mecklen-burg street, after a short illness. She is survived by one son, Russell F. Waring, of Braintree (Mass.); and two daughters, Mrs. George R. McKean and Miss Grace H. Waring, both of this

#### BILL SENTENCING EDITOR TO JAIL PASSES ASSEMBLY

ITALIAN ARTIST IN NEW YORK Lulo Blaas Says He Intends to Paint American Beauties,

New York, Nov. 10—Among the first cabin passengers who arrived from Italy on the liner Colombo of the Italian Navigation Company was Lulo Blaas, an Italian portrait painter, who said he had come here to spend six months, painting the pictures of noted American beauties. He is the son of Count G. de Blaas di Lezze, whose Venetian paintings are hung in the Metropolitan Museum of Art.

Mr. Blaas said that he was the sixth painter in his family, the others being his father, grandfather, great-grandfather, an uncle and a cousin. He has painted the late Pope Benedict, Lady Irene Curzon, Marquis Cazzati, Princess Potengiani and many other persons prominent in European society.

stores at about 25 per cent, "Gould declared, "a rather low figure, this tremendous cost must be passed along in the form of higher prices, and the consequence is a rise in the business costs that hamper business."

Taking the assumed costs of doing búsiness at 25 per cent, and considering the case of a store which carried a burden of 25 per cent returns, this burden alone would theoretically boost its cost of operation from 25 per cent to something over 31 per cent.

One of the means suggested to combat the evil is a co-operative advertising campaign on the part of the stores whose managers comprise the member-ship of the association. An alternative suggestion dealt with the possibility of co-operation from the board of health, which might be asked to promulgate restrictions on sanitary grounds.

Another hope expressed was that the campaign might be taken up by the National Retail Dry Goods Association.

MAYORALTY

Wear

or 3 1-2?

You can get a lace or button boot of extra fine quality,—values up to \$10.00 at a special reduced cash

\$2.75

made by the best manufacturers of Canada and the United States.

McROBBIE

Foot St. John Fitters

Remember

Size 2 1-2, 3

#### Can You MAYORALTY

The sizes are  $2\frac{1}{2}$ , 3 and  $3\frac{1}{2}$  only, and the reduced price is

\$100,000,000 of Sales Fail to Stick, Executives' Survey Shows—Association Seeks Cure for the Evil.

## **ELECTIONS IN**

# Stores open 8.30 a.m., Close 6 p.m., Saturday 10 p.m. Phone Main 2400.



November Clearance of Women's

Heavy Winter Coats

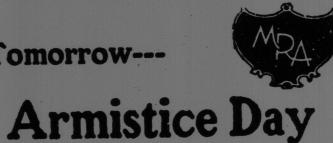
Be Sure and See These on Saturday.

Prices have been greatly lowered on these coats.

Some of the season's best liked styles are among them. Materials represent some of those most in demand this season

Four Bargain Price Lots. \$13.75, \$16.75, \$17.75, \$19.75 (Costume Dept., 2nd floor.)

## Tomorrow---



It brings back some vivid recollections. For one thing you will remember how eager you were to get back into "civies." To a degree you will experience something of the same satisfaction in getting into one of the new fall and winter Overcoats we have for you here.

#### We Have Just Received Some Fine New Top Coats

Appreciating that a man's Overcoat plays the leading part in his outdoor dress, we have secured an unusually nice selection of fine coats—enough variety in style, color and fabric to meet individual needs and tastes. Every man who intends buying a new Winter Ulster should be interested in these.

In spite of their fine quality you'll not find the prices too

\$22.50 to \$45.00

Special November Clearance of All Broken Lines of Overcoats Now Going On. Some wonderful bargains among the

\$15.75 to \$31.50

(Men's clothing, 2nd floor.)

#### "HATCHWAY" No Button Underwear

For Men

These practical and comfortable garments are gaining more and more in popularity. without sagging open in the front or slipping from the shoul-

ders.

"Hatchway" garments are made from soft fine materials and are unshrinkable.

Showing in three seasonable weights. Sizes 34 to 44 in.
White Union, very soft finish ... \$2.60 gar.
Dark Natural Wool ...... \$5.25 gar.
Light Natural Wool ...... \$6.25 gar.
(Men's furnishings, main floor.)

#### OFFICERS OF BOY SCOUT COUNCIL

sion had been granted to the association to hold a tag-day on Saturday December 9. Mrs. G. Wilford Campbell was appointed convener of the tag-day committee.

BELIEVE FIRE DANGER IN MINE

IN C. B. IS OVER

MANITOBA AND HER CLAIMS AS TO RESOURCES

## See Special Advertisement

## ON PAGE 20

\$20,000 November Drive Dry Goods, Women's and Children's Wearing Apparel and all Seas-

onable Accessories SEE PAGE 9

#### **LONDON HOUSE**

F. W. DANIEL & CO.

Head of King St.

NOT DECIDED YET WHAT TO GIVE TO

THE EXHIBITION was announced by Premier King vening. He said that the fede overnment had been awaiting we

from the provinces as the amounts which they were prepared to spend on the exhibition before deciding on the expenditure of the federal government. He said that Major Belcher, head of the British Empire exhibition mission, which toured Canada, is expected in the capital again about the 20th of this menth.

Purity Frost Kist bars, 5 cents at all Purity Ice Cream dealers. 11-16

Use the Want Ad. Way

# Women's Shoes

Beginning FRIDAY MORNING we are offering about 800 pairs of Ladies' Boots and Low Shoes at the REMARKABLY LOW PRICES quoted below. They are being SHOWN AT ALL OF OUR THREE STORES

437 Pairs of

\$2.95 ALL STYLES - ALL LEATHERS

ALL ONE PRICE BOOTS ARE NOW BECOMING MORE POPULAR

368 Pairs of

\$9.95 OXFORDS and PUMPS \$9.95 ALL GOOD STYLES-ALL LEATHERS

ALL ONE PRICE Colonials are Considered the Last Thing in Pumps

These shoes, in the very same quality, were selling two years ago at \$9 to \$12. THE GREATEST VALUE IN FOOTWEAR EVER OFFERED THE LADIES OF ST. JOHN.

MAKE YOUR SELECTIONS EARLY!

NOT SENT ON APPROVAL. SOLD FOR CASH ONLY. RELIABLE FOOTWEAR AT FAIR PRICES. WATERBURY & RISING, LIMITED AMDUR'S BARGAIN BULLETIN, No. 29

Saturday Only---For the Whole Day

Millinery

Jaeger Sport Hats-In Grey, Mauve and Black and White... \$1.50 Brush Felt Hats-In Grey, Mauve and Black and White .... \$1.50 Semi-dress Hats-In Nigger-Brown, Delphian Blue and Black \$2.00

Ladies' Coats

Sweater Yarn

Sweater Yarn—Latest wanted shades, all wool. . . . . 2 oz. ball, 25c 1 oz. ball, 13c

Heather Hose

Ladies' Heather Hose—Full fashioned, high grade...... 59c pair
This line is offered in all the popular shades.

Men's Leather Work Gloves and Mitts ...... 49c pair

AMDUR'S, LTD., No. 1 King Square