

# POOR DOCUMENT

## MC2035

THE EVENING TIMES AND STAR, ST. JOHN, N. B., WEDNESDAY, FEBRUARY 14, 1923

### FIFTEEN MINUTES OF RADIO EACH DAY

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Lesson No. 282

#### RADIO DICTIONARY

##### SELECTIVITY.

As applied to radio, it is the ability to select a particular wave length and to exclude other wave lengths. A receiving circuit, for example, which has a high resistance responds to a wide range of wave lengths and is consequently not very selective. High selectivity is secured in a receiving circuit when satisfactory reception of radio signals is obtained on a given wave length and signals having wave lengths differing by a comparatively few meters, either higher or lower than the given wave length, are excluded.

##### WAVELENGTH.

The function of a wave-meter is to determine when a condition of resonance exists in a circuit at a given frequency or to measure the frequency at which a circuit having certain established values of inductance and capacity will be in a state of resonance. A wave-meter consists essentially of a series circuit containing an inductance and a capacity, one of which is variable, and the value of which is known. The circuit is also provided with an instrument for measuring radio currents, such as a hot-wire ammeter, this instrument being either inserted directly in the circuit or electromagnetically coupled to it.

##### MOLYBDENITE.

A type of mineral used as a detector in radio circuits and possessing the property of rectification, which allows more current to flow when a given voltage is applied in one direction than when an equal voltage is applied in the opposite direction. It is a sulphide of molybdenum, has a blue-gray color and a formation similar to mica as it can be separated into thin sheets. The opposing contact should be a fine wire resting on the surface of the crystal with a light contact. The degree of sensitivity of this type of crystal is much less than that obtained with a good galena crystal.

##### VELOCITY OF WAVES.

The speed with which radio waves, light waves and radiated heat waves travel through space is 300,000,000 meters per second or 186,000 miles per second. Sound waves travel through air with a velocity of approximately 330 meters per second or 1,083 feet per second.

##### COMMUTATOR "RIPPLE."

When the brushes pass over the commutator segments of a direct current generator, a slight drop in voltage occurs when the brushes do not have contact with any commutator segment. If a circuit connected to the generator is used as a source of current supply to heat the filaments of vacuum tubes it will be found that the slight voltage variations or "ripples" will produce an annoying hum in the receiving circuits and cause serious interference with the reception of radio signals. The effects of this type of disturbance may be reduced, but not entirely eliminated, by the use of absorption circuits employing choke coils and condensers.

##### TUBE SEAL.

As applied to vacuum tubes, it is a method of obtaining an airtight junction between metal and glass tubes used in the construction of high-powered, water-cooled tubes developed for the transmission of radio signals. By means of this seal, a glass tube is joined to a copper tube in such a manner as to obtain an adhesive union which will withstand, without cracking, changes in temperature over a wide range and also permit a high degree of evacuation in the glass cylinder which encloses the active electrical elements of the thermionic tube.

##### RADIO FREQUENCIES.

All frequencies above 10,000 cycles per second are known as radio frequencies. The mechanism of the average human ear, although extremely sensitive, does not normally respond to vibrations in excess of 10,000 cycles per second which has therefore been arbitrarily chosen as a convenient dividing line between inaudible or radio-frequencies and audible or audio-frequencies, the latter being frequencies of less than 10,000 cycles per second.

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#### RECENT DEATHS

Donald Howe.  
Friends of Mr. and Mrs. Hubert Howe, 222 Courtenay Street, will be sorry to learn of the death of their infant son, Donald Allen, which occurred yesterday.

William Irving Young, C. E.

William Irving Young, a member of the engineering staff of the New Brunswick Electric Power Commission, died at the home of his parents at Brockway, York county, on February 12.

He is survived by his wife, who was Miss Kilburn, of Kingsclear, and two children and by his parents and one sister. The funeral took place at Brockway.

William Fitzgerald.

The death of William Fitzgerald, Charles street, Fairville, occurred at East St. John County Hospital on Monday. He was in his fortieth year. He leaves a wife and one child, also a sister Mrs. Joseph Mehan of West St. John, and two brothers, James Edward of Fairville and John of England.

#### TINY SANDWICHES

#### KEEP GERMAN CAFES OPEN ALL NIGHT

Saloons in Frankfort Quickly Become "Restaurants" to Evade Closing Law.

Frankfort-on-Main, Feb. 14.—The municipal authorities of Frankfort, after considering the many inconveniences resulting from the two great numbers of cafes, bars and cabarets with which the city is provided, recently decided to close all such establishments at eleven o'clock.

"And the restaurants?" asked one of the interested.

As usual, they were to be open much later.

What did the dispensers of liquors do?

They called in painters to change their sign boards. There is no longer in this old German town a single establishment announcing merely "Wines and Liquors." They are all eating houses.

In order to keep within the law, the proprietors provide a sandwich or a

### Beautiful Diamond Rings

The many new styles of Ring Mountings in Platinum and White Gold effects have made the smaller Diamonds decidedly attractive.

We have an excellent display of these "newer modes."

The Diamonds are White and Snappy, showing to good advantage in the handsomely designed mountings.

Diamond Rings Our Specialty.

Ferguson & Page  
2-17.

### While They Last Laundry Bags for 35c.

The safest and the most economical way of sending wet wash. Bags will hold up to 50 lbs. dry clothes. Will outwear many tubs or baskets.

Ask the Driver for Yours—NOW

DRY-CLEANING & DYEING—WET WASH & ROUGH DRY  
PHONE 1707  
New System Laundry Limited  
WET WASH FRENCH DRY CLEANING AND DYEING  
3040 LANSDOWNE AV.

### AMDUR'S Re-opening Exhibition!

FOR CARNIVAL WEEK!

#### Ladies' Sweaters

White pullovers, V necks; shawl collar styles  
\$2.95, \$3.95, \$4.95

Golf Hose 49c  
Pair

Fleeced-lined  
Bloomers 59c  
Pair

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

#### Men's Sweaters

Coat  
Sweaters \$1.50

Jumbo-Knit, Pure  
Wool Sweaters \$3.50

Men's Jersey Sweaters  
Extra Fine  
Quality \$2.50

Men's  
Mufflers 69c  
Boys' Fine Jersey  
Pullovers 98c

"Frankfurter" with each and every drink.

In Frankfort now one cannot drink without at least the opportunity of

also eating. The number of restaurants and grill rooms has increased in incredible proportions; as before, they are open all night.

Under the purport of dog will, Mrs. Tillie Leighton, only heir at law, would have received only \$800, but under Judge Horner's order she will receive approximately half of the estate. Under the same purport will the Rev. Edward Lawson, of Alliance, Ohio, was left \$10,000.

The court's decision was regarded as a compromise. One of the four dogs disappeared the night of Mrs. Howard's death and never has been found, so that the beneficiaries under the decision will have only three dogs to care for.

HANGS FROM ROOF BY FEET TO SAVE WOMAN

New York, Feb. 14.—A fireman's daring aerial rescue of a woman from a fourth floor window thrilled spectators at a blaze in a West Fifty-third street apartment house occupied by negroes in which eight persons were injured, two of them seriously by jumping from windows.

Fireman John Dornies, suspended by his feet from the roof by other firemen, grasped a frantic woman in his arms and hoisted her to safety.

WARNS DOCTORS THEY MUST CUT LIQUOR PRESCRIPTIONS

Manchester, N. H., Feb. 14.—Physicians in this city have been warned to issue fewer liquor prescriptions in the future by Prohibition Enforcement Officer Jonathan M. Lewis of Concord.

Mr. Lewis visited the city when it became known that liquor prescriptions were being handed out rather liberally.

FIND ENOUGH POTASH IN N. J. FOR 1,000 YEARS

Washington, Feb. 14.—Enough potash to supply the needs of the United States for nearly a 1,000 years, based on pre-war importations, is contained

#### For Carnival Week

Special price attractions are being featured all over this store.

## Bright New Fabrics For Redecorating The Home

Beautiful new stocks have just arrived and are in colors and patterns as fresh and attractive as could be imagined.

Varieties are the spring season's very own and are admirably suitable for Hangings, Upholstering, Pillow Tops and other home uses.

You'll find a splendid selection of domestic and imported weaves. Each artistic piece commanding your deep admiration.



Tapestries are showing in rich verdure, conventional and floral designs. The assortment of color combinations is large and varied. You'll find it easy to select a kind for any piece of furniture or any room. 50 in. wide, \$1.75 yd.

Repps are in plain colors and the new brocade effects. These are particularly suitable for portieres, furniture covering, etc. Plain Repps are showing in green, red, blue, brown and rose. 50 in. wide, \$1.50 to \$2.50 yd. Unfaded Repps, \$4.00 yd. Brocade Repps, \$3.75 and \$4.

Mohair Plush—A wonderfully lovely fabric in plain stripes and beautiful floral patterns. Very effective for upholstery. 50 and 54 in. wide. \$11 and \$12 yd.

English Cretomes in many attractive patterns. Among the newest are large floral designs on grounds of light, dark or medium shades. A very choice selection. 36 in. wide. \$1.00 yd.

The Famous "Grafton" Novelty Cretomes in several very striking and unusual patterns and color effects. 36 in. wide, \$1.00 yd.

Shadow Taffetas and Cretomes in 50 in. width. A large variety. Cretomes, 75c. to \$1.75 yd. Shadow Taffetas \$2.50 to \$3.60.

(House furnishings, 2nd floor.)

#### Clearance Sale Of Fine Furniture Now Going On

For the remainder of this month we will have on sale in our furniture store  
Many Pieces of High Grade Furniture for Living Room, Dining Room, Bed Room, Hall and Den.

Below is an example of the many bargain opportunities awaiting you there:  
Beautiful Cane End Chesterfield Suite

Consisting of sofa, arm chair and rocker; upholstered in taupe over blue velour. Sofa has two sunburst cushions and roll to match.

Only \$130.00 suite. Other values are equally attractive.

(Furniture Store, Market Sq.)

Manchester Robertson Allison Limited  
KING STREET - GOSMAN STREET - MARKET SQUARE

#### Carnival Week BARGAINS

In Our Clearance Sale  
Women's \$6.50 to \$8.00 Values in Walking Boots. \$3.48

Men's \$6.00 to \$10.00 Values in Walking Boots. \$6.75

Women's Patent and Kid Pumps with medium heels. Sale price \$2.69

Men's One-Buckle Overshoes—sizes 7 and 9 only. Sale price \$2.05

Women's Fine Quality Button and Lace Boots—sizes 21-2, 3 and 31-2. Sale price \$1.45

Men's Good Quality Heavy Sole Rubbers—all sizes. Sale price \$1.10

Women's Broad Toe and Low Heel Rubbers—sizes 51-2, 6, 61-2 and 8. Sale price 57c

Men's Five Eyelet, Snag Proof Lumbermen's—sizes 10 and 11 only. Sale price \$3.35

These and many other specials in our windows and on our bargain table await your inspection

McROBBIE  
Foot St. John 50 King Street

in the green sands of New Jersey. The green sand mart belt extends across New Jersey from the vicinity of Sandy Hook southwesterly to the Delaware, near Salem, a distance of about 100 miles. It ranges in width from nearly 14 miles to one mile or less in parts of Gloucester County.

### BABY'S OWN SOAP

FAT BABIES are saved much painful chafing by Baby's Own Soap which keeps the creases clean without irritation.

Sold everywhere

ALBERT BOAPS

LONDON

6-1

6-1

## Blouses Break Away With Paisleys and Petal Ties

IT MAY BE Paisley all over, even in budded roses, caught at either side of the waist with the simplest flared end knots; it may be a Jade Green Crepe de Chine, fancy hemstitched between button rows under the neck, but there again that saucy little tie peeps out—this time at lower right. The simplest of all capers, but the touch, THE touch, the happy little novelty we hope for through the years.



The windows have the first hints, and a pleasant price or two, if we MUST come down to that. A navy Crepe-de-Chine has Paisley panels down both sides and held by a drop-stitch. And on the flared half cuffs. This one \$6.95, the Jade Green, \$5.75—they stop at \$7.75. But there are Satin Overblouses in all colors, especially suit shades no more than

\$4.95

Carnival Economies Call You

Gloves, Stockings, Gingham, Curtains and such show holiday week savings. Chamoude Gloves in Mode and Covert, suede finished and silk embroidered backs—positively new and here, 85c. Another kind also with double dome grips, 78c.

Wide-rib All Wool Stockings in the \$1.25 class, for Carnival, 97c. British Golf Stockings, Pure Wool and with fancy tops, Carnival, 95c. Children's All-Wool Ribs, Brown, Covert and novel Heathers, Carnival price, 95c.

#### Sweaters and Other Warmths

Sport style Pullovers in White Knit with high roll neck or oval, \$5.85. Brushed Wool with Cap and Scarf to match in Jade Green and contrasting colors like, say, Yellow and Black, \$12.75 altogether.

Serge Gymnasium Bloomers in pleated skirt effects. Navy, and ages 6 to 20—\$3.65 and \$3.95.

Fleece lined Grey Bloomers—97c or 3 for \$2.85. Ankle length Wooltex Drawers, \$1.19 and \$1.49.

You'll Pass the Windows  
Around Parade time  
Tonight.

Daniel  
Corner of King



## Help Yourself to Health and Comfort

Thousands of people do not stop to think of the harm which may result from drinking tea or coffee.

If you have frequent headache—if you are nervous and irritable—if you cannot sleep at night—it is time to find the cause, and to help yourself to health and comfort.

You alone can do it. Instant Postum makes it easy.

Just stop tea and coffee for awhile and drink delicious Instant Postum instead. You will find it wholesome and delightful, with a delicate fragrance and a fine, full-bodied flavor.

Instant Postum contains no caffeine, or any other harmful ingredient. It is made from roasted wheat, specially processed to produce the sparkling, golden-brown granules which dissolve instantly in boiling water.

Order a tin from your grocer today

### Instant Postum FOR HEALTH

"There's a Reason"

Canadian Postum Cereal Company, Limited,  
45 Front St. E., Toronto

Factory: Windsor, Ontario



A generous sample tin of Instant Postum will be sent, postpaid, for 10¢ in stamps. Write:

WOMAN SIPS CHAMPAGNE ON HER 100TH BIRTHDAY

Paris, Feb. 14.—How would you like to drink two glasses of champagne on your hundredth birthday? That is what Mme. Verrier, a centenarian of this city, living in the Vith Arrondisse-

ment, did the other day, after listening to speeches in her honor from the local Mayor, the three local sub-Mayors and the municipal councillor.

Mme. Verrier received these officials to her and then disposed of the two glasses of champagne, a cup of tea and

scene ca-

children, in the apartment in the Rue Christine, where she has lived for the last fifty years. She also made a response to the felicitations addressed to her and then disposed of the two glasses of champagne, a cup of tea and