#### FIFTEEN MINUTES OF RADIO EACH DAY

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

> Lesson No. 220. RADIO DICTIONARY.

Government

ABSORPTION CIRCUIT

A form of antenna consisting of two horizontal metallic plates placed a few feet apart, the upper plate being attached to the usual antenna terminal and the lower plate to the ground terminal of the receiving circuit. The material of the plates may be two sections of copper netting each approximately ten feet square and located parallel to each other. It has lower conductor resistance than the usual form of outdoor antenna and owing to increased capacity a small inductance of low resistance is used in series thus giving a low value of resistance to the circuit. In comparison with the coil antenna, the "condenser antenna" gives satisfactory results in the reception of short wave lengths.

A standard electrical unit which denotes the amount of current flow. It is the amount of current produced in a conductor having a resistance of one ohm when an electromotive force of one volut is steadily applied. When the rate of flow in a conductor is one coulomb per second, the value of the current is

Proper tuning of a radio circuit consists in varying the inductance or the capacity, or both, so that the circuit is adjusted to a state of resonance with an external circuit containing similar elements. When the product of the inductance and capacity in a radio receiving circuit is equal to that of a transmitting circuit the strength of received signal is at a maximum and the circuits are said to be in resonance.

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#### **BAKERY DESTROYED** IN BRISK BLAZE

Two Aged Women Rescued During Mill Street Fire-Other Premises Damaged.

Two aged women were rescued from the building at 134 and 136 Mill street luring the fire which broke out there early yesterday afternoon. The building was occupied on the ground floor by the Hygenic Bakery and upstairs as a dwelling house, Mrs. Margaret Magee and Mrs. Hannah Thurlow were rescued by Harold E. Murray and Policeman Sheehan, who also searched the building for two children who were supposed to be lost. It was later dis-

#### The Morning Dish

Here's a morning dish that's luscious and effective. A food that doctors in great sanitariums prescribe for ane-mic, tired people.

Sun-Maid Raisins



Blue-jay
to your druggist

The simplest way to end a corn is Blue-jay. A touch stops the pain instantly. Then the corn loosens and comes out. Made in a colorless clear liquid (one drop does it!) and in thin plasters. The action is the same.

Pain Stops Instantly

The same was rung in about 2.80 o'clock. The fire appeared to have started in the rear of the second floor and to have spread into the bakery. The proprietors of the building was also badly damaged. There was some insurance on the bakery but the furnishings in Mrs. Thurlow's flat was not insured. The building was the property of the Canadian Government. The fruit store of Max Marcus, the jewery store of Walter Bailey and the barber shop of C. E. Barton all suffered damage from water.

The fire bell in King street east was care of commission while the second of the commission while the second of commission while the second of the commission while the second of the commission while the second of commission while the second of the commission while the second of the commission while the second of commission while the second of the commission whi

age from water.

The fire bell in King street east was out of commission while the second alarm was being rung. The street car system was completely tied up although a makeshift service was run from both sides of the fire.

Only in the Quaker Package



#### 1923 Furs Below 1923 Wholesale

All of one-third the largest grouping of Furs in the Maritimes consist of advance 1923 Models on which we get a pre-season discount that lets us add them to the Sale below 1923 wholesale prices.

#### Bankrupt Prices on All Furs

Our Liquidation Fur Sale reduces every price well under next January's Clearance Sale, Many are exactly half and less than half. And this announcement comes from the only exclusive Furrier in the East. Sade ends this

#### H.Mont Jones

EXCLUSIVE FUR DESIGNERS 92 King Street.

PAJAMA CHARGES DENIED ON STAND BY MRS. CROMWELL

"Never Lent Mine to Any Male Guests," She Asserts -Says Housekeeper Drove Her Away with a Pistol.

New York, Jan. 81. — Mrs. Rose tarker Cromwell was on the witness tand under cross-examination in the upreme Court in White Plains in the ivorce action brought against her by er elderly husband, John Howard

THINK OF IT

Keeping your feet warm and dry in a pair of good quality Overshoes at

These Women's Overshoes are shown in button and buckle. Sizes 21-2, 31-2, 4, 41-2, 51-2, 6, 61-2.

WOMEN'S FINE QUALITY LACE and BUTTON BOOTS in sizes 21-2, 3 and 31-2. These have been priced to ensure a quick clearance \$1.45

WOMEN'S RUBBERS — in a number of styles and 70c

YOUTHS' HOCKEY BOOTS
—In sizes 11, 12, 13. \$1.30 These and many other bargains are shown in our windows and on our bargain table.

Don't Miss This Opportunity McR OBBIE

saying.

"It is not your house,' I told her," continued Mrs. Cromwell. "'It belongs to my husband and I am still his wife. You have played me false.' She said it was her house and I would have to get out."

After telephoning to her attorney for advice, Mrs. Cromwell said, she got out.

SAYS PILOTLESS PLANE
COULD BOMB NEW YORK

General Patrick Tells Boston It Would Be Possible Now to Send a Fleet Controlled by Radio.

Boston, Jan. 31—A bombing air service that needs no pilots has been developed, Major Gen. Mason M. Patrick, head of the Army air forces, announced in addresses during a two-day visit here on advances in aviation, among them the "automatic air service."

This has been so highly developed, he

Sible to send a pilotless plane with a cargo of bombs from Boston to New York at a given titude and on a set course at prearranged speed, which at a given time to correspond with a pre-determined place, would discharge the devastating cargo. A whole fleet of airplans similarly might be operated with exactness, all by radio, he says.

Dirigibles to be filled with helium, which will be able to go to the North Pole and back without alighting, are now being planned. They will act as mother ships for airplanes, of which they will carry several each. The airplanes will be caught and held while the dirigible is in flight by a device below the latter, which experiments have proved practicable.

WOMAN IS 93, HER SISTER 82

AND HER SON-IN-LAW IS 89

London, Jan. 3.—(By Mail).—A remarkable case of longevity in a family existing at Gillingham (Kent) is reported by "The Westminster Gazette."

London, Jan. 3.—(By Mail).—A remarkable case of longevity in a family existing at Gillingham (Kent) is reported by "The Westminster Gazette." Mrs. Caroline Jones, of Victoria Street, is 93.

Her sister is 82.
Her son-in-law is 89.
Her mother lived to be 94.

Mrs. Jones has a son drawing the old-age pension, and a daughter within two years of getting it. She has 111 grandchildren and great-grandchildren. Despite her age Mrs. Jones is fairly well, and performs all her own household work.

guest at a party given to the aged folk of the borough. At the same gathering the oldest man present was her son-in-law, who is more than twenty years older than his wife.



H. M. HOPPER,

### Be Early For These!

Remnant Sale of Curtain Materials 1 to 6 Yds. in Each Piece.

> Pieces are particularly suitable for sash or single window curtains. Among them: ALLOVER NETS and MADRAS in white, cream

> and colored effects.
>
> SCRIMS and MARQUISETTES in white, cream and ecru; plain, hemstitched and with drawn work borders. WHITE MUSLIN in spots, checks and crossbars.

REMNANTS ARE ALL BARGAIN PRICED

(Curtain Dept., Germain St. Entrance.)

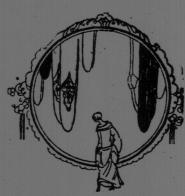
Children's Garments At Special Week-End Values

White Middies in sizes 8 to 13 yrs.
Straight and Balkan styles with navy
or Copen collars. \$1 and \$1.50 each Flannelette Kimonos in floral patterns. A pretty combination of pink and blue. Sizes 8 to 12 years.... \$1.75 each Tots' White Dresses, in 1 and 2 yr. sizes. Lace and embroidery trim-

med. Extra special value . . . . 98c each Girls' Flannelette Night Dresses; white only: sizes 2 to 16 years. Girls' Winter Weight Vests and Drawers
Odd garments. All

greatly reduced to clear. (Children's Shop, 2nd floor.)

Whitewear Values For Balance of Week. Women's Night Gowns and Envelope Chemises



#### Your Every Hosiery Need

Can Easily be Supplied From Our Stocks

Included among the latest arrivals are the new "Pointeel" hose. These are fashioned with pointed piece at heel; especially designed to improve the grace of the ankle line. "Juliet" Silk Hosiery in black, white and many colors ....... \$1.85 pr.
"Pointeel" Silk Hosiery in brown, black, white, camel, sand, suede, etc.
\$2.25 and \$2.65 pair

Drop Stitch Silk in black, white, brown and grey \$2.50 pair "Milo" extra heavy black silk \$2.50 pair

Italian Silk, in stripes.....\$4.00 pair Striped Silk in black, brown, navy and white ...... \$2.35 pair

Ribbed Cashmere in fawn shade only \$1.45 and \$1.60

Silk and Wool in black, blege and camel with white ...... \$2.15 pair Boys' and Girl's Sport Hose with fancy turn top ........ 70c. to \$1.60 pair SAMPLE GAITERS

Clearing Out at 75c. to \$2.00 pair.

# anchester Robertson Allison-Limites

Tuxis Boy workers met at the Y. W.
C. A. cafeteria last evening with Carl Wetmore presiding. Rev. F. M. Milligan gave an address on charting and eremony. The 'teen age boys adopted Skyrocket' as a group name.

While driving through

"Skyrocket" as a group name.

While driving through a field near the Manawagonish road last evening the milk sled of Percy Flewelling was upset and a lantern ignited the robes and blankets. The driver secured help and was able to extinguish the blaze and unharness the horse.

"Skyrocket" as a group name.

The St. John Bankers' Association held a banquet last evening at the Clifton Hotel with R. E. Smith in the chair. An informal programme was carried out and an address on the Bankruptcy Act and the matter of raised checks was given by W. H. Harrison, K. C.

A boy fifteen years of age who gave his home as St. John was arrested yesterday in Moncton charged with the theft of clothing and other articles from a boarding house in Main street of that city. He told the police that he ran away from his home in St. John be-

Always SHIRRIFF'S Marmalade is always the same consistency. The genuine marmalade flavor of imported Seville Oranges never



Once used—always preferred.



# Grand Finale

Tomorrow the Sales within a Sale stop. The last day of the January discounts finds every department on four floors and an annex competing keenly with each other.

Perhaps the palm goes to the cloak, dress and suit department. For there the prices range round half. Take those mannish coat models that were up to \$39.85 and serve through the spring for \$15. Chinchillas, Velours and Tweeds.

Or \$15 and \$16.75 values for \$7.50 in a limited line of Velours, Polo Cloths and Tweeds.

Tailored Suits ticketed as high as \$54.75 for \$19.50. Tricotines, Velours and Tweeds.

\$18.20 Novelty Business and Sport Skirts for \$7.88. Street Dresses that were up to \$29.75—tomorrow only \$13.90, and a choice of Tricolette, Tricotines and Serges.

Variety and Value and just enough left to have your size. Tomorrow time's up.

## F.W. Daniel & Co.

Head of King St.

AMDUR'S, LTD. No. 1 King Square

Men's Pure Wool Underwear-Red, blue, and, black label ..... 98c garment

Ladies' Golf Stockings 49c. and 75c. Pair

All Wool Sweaters, All Wool Mufflers at Special Reduced Prices.

Amdur's Woolen Centre

Reid, general manager, and J. F. Maine, supervisor of agencies, at a banquet in Bond's last evening. Several adlresses were given. J. W. McCarthy, ity manager, was in the chair.

Mrs. James Dunn, wife of the owner who sailed with his ship, has at last given up hope of ever seeing him again. The little vessel was valued at \$12,-000 and was uninsured.

The local staff of the London Life Assurance Company entertained E. E. Reid, general manager, and J. F. Maine, Foster.

Mrs. S. J. Parkhill and Mrs. Richards; decorations, Mrs. McTavish; music, Mr. Young; athletics, Miss McGarrity and Stanley Rankine; refreshments, Mrs. Robert Watson and Mrs. Parkhill. Mr. and Mrs. Dowling also assisted in receiving the guests. The conveners of the games committees were Miss Elsle Trentowsky and Mrs. Foster.

RECENT DEATHS

The third session of the Súnday School Teachers' Institute of the M. R. E. C. was held in the city yesterday. There were elementary, 'teen age and adult sections. The leaders were respectively: Miss Ethel Vaughan, Miss Mary Allison and Rev. W. C. Machum. The Bible study period was led by Rev. H. E. Thomas. Miss Ethel Hazen Jarvis and Miss Margaret Evans assisted in the elementary period; Miss Faith Henderson and Mrs. R. G. Fulton in the 'teen age; and Rev. H. E. Thomas in the adult.

A congregational social was held in St. Andrew's church school room last evening and a very pleasing programme given. Those taking part included Dr. Bonnell, Mr. Shaw and Miss Knight. Games were played. Those in charge were as follows:—Reception committee,

can you get the genuine Quaker Oats There is only one finest rolled oats-Quaker Oats. There is only one way in which you can buy genuine Quaker Oats—in the Quaker sealed carton. The Quaker name and trademark on the carton are your guarantee of cleanliness, quality and freshness. Ask for the Quaker carton—round or square. The grocer will gladly give it to you. If not, insist.

The Quaker Aluminum Double Boiler is now in use in thousands of homes. A Coupon in each Carton.

