

## CHRISTMAS IN THE CHURCHES

The beauty of the music on Sunday and Christmas day in the city churches far eclipsed that of former years. In the Anglican churches many celebrations of Holy Communion were held, and the music was impressive. In several of the Sunday schools the White Gift service was held. In the Catholic churches the midnight masses were exceptionally well attended and the music was of a special nature.

In the vestry of the Ludlow street church the usual Sunday school Christmas observances were held. R. H. Parsons, the superintendent, presided, and under the direction of C. Clyde Parsons, choir leader, the cantata, "The Messiah" was presented.

At Central Baptist church the White Gift service netted a substantial sum which will be used during the next twelve months to relieve distress. The Sunday school activities were very impressive. H. Wannamaker, the superintendent, was in the chair, and Rev. James Dunlop, acting pastor, made the opening remarks. A programme consisting of exercises from the various classes was then carried out. Before the close of the exercises, John Collins, president of the Barre Brotherhood, presented to Mr. Wannamaker a large framed photograph of the Brotherhood.

In the Fairville Methodist church the White Gift service was held, with the Sunday school assisting, followed by a splendid programme of appropriate music.

In the Exmouth street Methodist church \$183 was realized from a special offering at the Sunday school session, which will be contributed to the Protestant Orphan's Home.

Rev. E. E. Styles preached to large congregations on Sunday in the Carmarthen street Methodist church. Miss Myrtle Fox presided at the organ and the choir gave several anthems in an acceptable manner.

In St. Matthew's Presbyterian church, Douglas avenue, special music was sung by the choir. At the evening service a delightful duet was sung by Mrs. William Donaldson and Mrs. George Wallace. Rev. Mr. Spencer preached an inspiring sermon.

The Sunday services in Waterloo street Baptist church were typical of Christmas. On Saturday afternoon and evening the committees met and distributed baskets to the poor. At the evening service Mrs. O. B. Brantall sang a solo, as did Miss M. Daly. An anthem by the choir was led by H. E. Hoyt.

Rev. W. P. Dunham preached appropriate sermons on Christmas to large congregations. Special music by the choir was impressive and will be repeated on New Year's Day.

In St. Columba's Presbyterian church music suitable to the Christmas service was rendered by the choir. A feature of the morning service was a lullaby sung by members of the Mission Band.

**NO CONTINENTAL SUNDAY.**  
Australian Theatrical Alliance Backs Anglicans.  
Sydney, N. S. W., Nov. 2.—(By Mail)—The Australian Theatrical Alliance is combining with the Anglican Synod to prevent the introduction into Australia of the Continental Sunday, it has been announced.

The Synod has already adopted a motion strongly deprecating Sunday sports, and it has received a letter from the Theatrical Alliance asking its co-operation in having "all places of amusement closed on Sunday, and on Good Friday, because at least two days of the year should be rendered sacred and not allowed to drift into degradation and degradation."

"Experience teaches that with the profanation of these two days, the Continental Sunday will surely follow, with all its attendant evils and as many as five performances being given in one theatre on one day," the letter said. "The result is that Sunday would be a most sacrilegious day, the sacred atmosphere dissipated, and the moral streams of life would be polluted."

**WILL HOLD BIG PARADE**  
To Be Organized as Opening Feature of Montreal Winter Sports.  
Montreal, Dec. 26.—The coming winter sports, during the months of January and February, are to be inaugurated on the afternoon of the 27th by a parade through the city, which will be made up of sections representing the various sports which are indulged in during the Canadian winter. The idea of the parade is to show the public, in an impressive manner, the many and varied attractions that will be embodied in the scheme to make Montreal assume something of the nature of a St. Moritz of North America.

## FIFTEEN MINUTES OF RADIO EACH DAY

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

Lesson No. 190.  
RADIO DICTIONARY

### THERMOCOUPLE.

The dissimilar metals soldered together to form a junction. If the free ends of the metals are connected to an instrument for measuring voltage and if the junction is heated it will be found that the heat energy is converted into electrical energy and that an electromotive force is developed. If this thermocouple is calibrated, it is an exceedingly valuable means of measuring temperatures and is also used in radio circuits for measuring currents of high frequencies. A combination of the two pure metals, bismuth and antimony develops the greatest thermo-electromotive force for a given difference in temperature.

### GAG TUBES.

Otherwise known as "soft tubes" are vacuum tubes which contain a small amount of gas and operate more satisfactorily as detectors than the more highly evacuated tubes used as amplifiers. Gas tubes may contain a small quantity of air or there may be introduced into the tube such gases as neon, argon, helium, nitrogen or carbon dioxide.

### COMPLETE MODULATION.

When the amplitude of the radio-frequency oscillations is reduced to zero

at one or more points of each audio-frequency cycle, complete modulation of the current is said to have taken place.

### KILOMETER.

The kilometer is a measure of linear distance and has a value of 1,000 meters. As a meter is a unit of length equal to 3.281 feet, the length of a kilometer equals 3,281 feet or 1,094 yards.

### HOT WIRE AMMETER.

An instrument used to measure high frequency currents. It consists essentially of a piece of wire or strip of metal which becomes heated when subjected to the application of electric current. Expansion of the wire due to heat causes a thread, kept under tension by a spring, to rotate a shaft on which is mounted a pointer. The pointer moves a scale which is graduated in amperes and the position taken by the pointer on the scale shows the amount of current flows.

### APERIODIC CIRCUIT.

A circuit which does not have a definite period of oscillation. In a circuit of this nature free oscillations do not exist as currents created in the circuit die away without reversing their direction.

### CHOPPER.

A device for rapidly interrupting the current flow which may be used at either the transmitting or receiving station. Its function is to break up undamped waves into groups which are audible in the receiving telephone. A physical construction it may consist of a toothed wheel which rotates past a stationary contact, each tooth touching the contact in turn and by this means causing rapid opening and closing of the circuit. When this device is used at a receiving station to effect the same purposes it is commonly known as a "clicker."

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### TIMBER ACRES IN MEXICO.

It is estimated that the area of first-class timber lands in Mexico is approximately 26,000,000 acres.

### SAYS WAGES WON'T FALL.

J. H. Barnes Calls Distribution of Wealth the Great Problem.

Washington, Dec. 26.—Wages will never return to the levels in effect before the war, Julius H. Barnes, President of the Chamber of Commerce of the United States, asserted in an address recently before the City Club. The advance since 1918, he said, "is not war-time inflation, but a real increase in individual earning power," and he declared that "an economic system which can give us more for every one—more automobiles, more general education, more modern housing, more gramophones and bigger real wages—must be preserved."

Mr. Barnes said the decrease of 1,000,000 in the number of farm workers since 1900 was not "evidence of the decadence of agriculture," because improved machinery "has enabled fewer workers to get more production and the men who have been released have been able to supply the demand for the four great industrial developments of the last twenty years—in automobiles, electricity, motion pictures and chemical works."

He declared the great problem for the nation was to distribute wealth "so that it will not concentrate into the hands of a few," since, if that were permitted, "the broad purchasing market necessary to absorb our production" would be lacking.

Mr. Barnes said no constructive thought had appeared in the present discussion of the transportation problem. He pointed to the investment since 1907 of \$15,000,000,000 to \$20,000,000,000 in automobile trucks, \$6,000,000,000 in good roads and \$5,000,000,000 in service stations, compared with the relatively small investment in railroad terminal facilities, as indicating "establishment of an individualistic competitive system of transportation which will not fall under the ban of over-regulation."

Motor trucks, he added, are "hauling more than one-half as much freight as the railroads, and while a good deal of this is first haul to the railroads, it shows what can be done by a greater extension of truck hauling plan."

### HARVARD COACH MAKES RADICAL CHANGES IN ROWING METHODS.

Cambridge, Mass., Dec. 26.—A revolution in Harvard rowing is now in process of development. F. J. Muller, recently appointed coach of the Crimson varsity crew, said that in his new authority he is prepared to institute the most radical changes ever known among Crimson rowers and will teach them an entirely different stroke from any Harvard has ever used.

The Philadelphia coach has ruled that in the future the Crimson varsity men shall row with their legs together, although not touching. This in itself, according to rowing experts, is a decided departure from the more or less conventional system of the past at Harvard, and is designed to give the crews more leg power.

Other and more technical changes being taught, according to Coach Muller, will give the crew a tremendously powerful stroke with all parts of the body contributing. Coach Muller recently discarded the specially built Crimson shell of last year and ordered another made on radically different lines.

### WARNS TRADE AGAINST RELAXING ITS EFFORTS.

New York, Dec. 26.—A warning that although surface indications show an improvement in business, continued effort and caution are necessary as a preface to real prosperity has been issued as a result of a resolution passed by the administrative committee of the National Association of Credit Men.

"An acceleration of trade movements," says the statement, "has given the impression that our problems are nearing solution; that we are out of our troubles. Judging the stability of trade movements by surface appearances is not wise. Though we have made decided improvement in our general

# SMOKE OLD CHUM TOBACCO

The Largest Sale of any Brand in Canada

"QUALITY TELLS"

Packages 15¢ & 25¢

Also in ½ lb. tins

### WOOD AND COAL

## Christmas Greetings and Thank You Once Again

In extending to you our best wishes for a very Merry Christmas and a Prosperous New Year, we take this opportunity of thanking you for your liberal patronage during 1922. Trusting to merit your continued favor, we are

Sincerely yours  
EMMERSON FUEL CO., Ltd.  
115 City Road.

### WOOD AND COAL

## The Merry Christmas Blaze

—the bright, cheerful open fire so much a part of festive hospitality, depends on just a certain kind of coal. Call us up, let us tell you what it is and send you some.

Emerson Fuel Co., Ltd.  
Phone Main 3938  
115 City Road

### WOOD AND COAL

## LANDING

Welsh Steroids  
Egg and Walnut sizes  
TO ARRIVE  
Scotch Anthracite  
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SOFT COAL IN STOCK  
Springhill  
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R. P. & W. F. STARR, LIMITED  
49 Smythe St. 159 Union St.

## Coal!

BUSH COAL — \$10.50 Dumped; in bags on ground floor \$11.00 C.O.D.

BROAD COVE QUEEN  
McBEAN PICTOU VICTORIA

McGivern Coal Co.  
12 Drury Lane and 12 Portland St.  
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## Dry Wood

Heavy Soft Wood, Hard Wood for grate, Choice Kindlings Wood Spool Hard Wood for kitchen range is better than coal.

City Fuel Co.  
257 City Road Phone 463

### DOMESTIC

THE BEST FUN SO WE HAVE BEEN TOLD—IS GETTING WARM WHEN YOU ARE COLD

COAL  
SELECTED.  
PHONE M. 2554.  
Domestic Coal Co.

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High Grade Screened Soft Coal for Household Use.  
Also Hard Coal in all sizes.

Maritime Hall Co., Limited  
COAL DEPT.  
Phone M. 3233.

FOR SALE—Dry Cut Wood, \$2.50 large truck—W. P. Turner, Hazen Street Extension, Phone 4110.

FOR SALE—Dry Cut Slab Wood, \$2.25; Kindling, \$2.00; Hardwood, \$3.50, ¼ cord loads—J. Devlin, M. 2261, 6184-12-27.

KINDLING WOOD—\$5 per load, south of Union street—Halley Bros., Ltd., City.

### WELSH SEMI-ANTHRACITE

For Furnace Use

Consumers Coal Co. Ltd.  
68 Prince Wm. St.

### SUN COAL & WOOD CO.

HIGH GRADE SOFT COALS

BROAD COVE  
ACADIA PICTOU  
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DRY HARD AND SOFT WOOD—Quarter Cord Loads.  
Prompt delivery  
78 St. David Street Phone M. 1346

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For your Xmas Cooking or grate

D. W. LAND  
Erin Street Siding, Phone 4055  
Union St. Office 2010 Peter St. 874

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That HARD BURNING SOFT COAL—\$13.00 Screened, for Kitchen or Grates or Hall Stove.

\$12.00 Run of Mine Excellent for Furnaces. Delivered anywhere in St. John or Fairville.

COLWELL FUEL CO.  
Phone—West 17 or 90.

FOR SALE—Dry Slab Wood—C. A. Price, corner Stanley-City Road, Main 4662, 8-7-1923

### COAL AND WOOD

Commercial Coal..... \$12.50  
Thrifty Coal..... \$9.50  
Run of Mine for furnace use \$8.50  
¼ cord Sawed Soft Wood..... \$2.25  
½ cord Four Ft. Wood..... \$3.00  
H. A. FOSHAY,  
118 Harrison, Phone M. 3008

Pictou, Victoria and Sydney Soft Coal.

BEST GRADES WELL SCREENED, Hard Wood, Soft Wood, Kindling, Dry and Sound.

Good goods promptly delivered.  
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WITHIN REACH OF THE PHONE you can have COAL at your home by

Bag, Barrel or Ton  
L. S. DAVIDSON,  
27 Clarence St. Phone 1813

## There is No Man Living More Greatful Than I

At this season of the year, when good cheer and good will fills the minds of men and women, when our thoughts run in channels of kindly feelings for our fellow man, it would prove me an ingrate indeed were I not to publicly thank the citizens of St. John and surrounding country for the confidence they placed in me during the year 1922, and this I do with all the sincerity that is in me. I wish you and yours well. May the New Year bring you increased prosperity and happiness in abundance.

A. FINE, - 233 Union Street

## With Feelings of Deepest Gratitude We Wish You and Yours Well

Assuring you, everybody at our house wishes everybody at your house the happiest New Year you have ever enjoyed, and our fondest hopes will be that prosperity will be tapping at your door every hour, bringing lots of Health, Wealth and Prosperity to you throughout 1923.

CREARY'S, - 75 King Street

## MUTT AND JEFF—AIN'T JEALOUSY A TERRIBLE THING?



**Sale of Lillian Russell's Jewels.**  
New York, Dec. 26.—(By Canadian Press)—Jewels and other belongings of the late Lillian Russell, which were sold recently at the American Art Association Galleries brought \$47,814. Among the articles disposed of were: A platinum chain and Maltese cross, the chain containing twenty-five large and 288 small diamonds and the cross one large and twenty-five smaller stones; a diamond and pearl sash brooch containing 228 Oriental pearls, three large diamonds and fifty smaller ones; a diamond and Oriental sapphire brooch and a pearl and diamond brooch.