

BITUMEN CONCRETE PAVEMENTS BEST

Bruce Aldrich Says, in Addressing Engineering Institute of Canada.

The regular meeting of the Engineering Institute of Canada, held last evening in the Engineers' Club, West King street, was fairly well attended when Mr. Bruce Aldrich, district engineer, the Asphalt Association, gave a lengthy and practical address on "Bituminous Roads." He treated under this heading light bituminous roads construction, bituminous macadam roads construction, bituminous concrete roads construction, and sheet asphalt roads construction.

In opening his address Mr. Aldrich said that roads which stood up well under horse-drawn traffic rapidly disintegrated owing to the tremendous increase in automobile and truck traffic, causing enormous maintenance costs. Bituminous roads of various types were brought out with varying success.

In the construction of bituminous roads he recommended that roads should be dry before the application of bituminous materials, and before applying bituminous materials to macadam surfaces all holes and ruts must be repaired.

This class of pavement, said Mr. Aldrich, is a wearing course, having a wearing course of macadam coated with asphalt or tar and usually laid on a stone foundation, or on concrete or an old macadam surface. Here again the foundations require to be prepared very carefully. Mr. Aldrich said that the Port Road, from New York to Boston, Mass., as well as the Providence-Narragansett Pier (Shore Road) road, have a number of sections constructed of asphalt macadam, which have been down for five years and are giving splendid service, without maintenance to date.

Mr. Aldrich said that the American Society of Civil Engineers defines a bituminous concrete pavement as one having a wearing course, composed of stone, gravel, sand, or slag, or a combination thereof, and bituminous material incorporated by mixing methods. He said that the majority of the larger cities and highway boards have adopted some form of bituminous concrete as a standard type of construction.

In resurfacing the macadam roads bituminous concrete has proved very satisfactory and for worn-out brick and concrete streets it is one of the most satisfactory remedies, he added.

In my opinion, said Mr. Aldrich, "a bituminous concrete pavement, if properly constructed, is one of the best of modern surfaces, it being not only smooth and resilient but having the stability to withstand modern traffic."

In conclusion, Mr. Aldrich said that in the construction of all types of bituminous roads and pavements, sufficient "crown" should be given to ensure the removal of water as rapidly as possible. An interesting discussion followed.

Club-Compartment Car Service, Toronto-Ottawa, Via C.N.R.

Commencing Friday, 20th inst., the Club-Compartment Cars, "Banoroff" and "Marmora," will be in operation on Canadian National Railway's night trains Nos. 7 and 8, between Toronto and Ottawa. These cars carry a particular appeal to the business man desiring club comforts en route. The sleeping accommodation consists of drawing room and three compartments; in addition to which there is spacious lounge room containing eighteen chairs, where refreshments are served, and latest periodicals and magazines are available. The compartments are many unique improvements for the convenience of the traveler.

Night train leaves Toronto Union Station 10:55 p.m. daily. Tickets and information from city passenger offices, 52 East King street, and Union Station, Toronto; 7 North James street, Hamilton.

CHICORA'S FATE IN BALANCE.

H. J. Macdonald, acting for Fred Torno, moved before Justice Middleton yesterday for an injunction restraining F. W. Callaghan from disposing of the old steamer Chicora. Material was presented that showed that the old boat had had many ups and downs in the market of late. The matter was adjourned on Wednesday, but during the time the defendants undertake that nothing further will be done with her.

Mr. Torno says that on Jan. 29 he arranged for the boat to be sold for \$1400 and gave a cheque for \$1000 as payment down. On Feb. 6 his cheque was returned, and later he learned that the boat had been sold to Mr. Callaghan and W. R. Sved for \$1400.

Later he saw Mr. Callaghan, who told him the boat would cost him \$15,000.

SUIT FOR COMMISSION.

Action has been entered by H. G. Irving against Housser, Wood & Co. to recover \$1200, alleged due as commission for the sale of \$75,000 of Allen's Parkdale Theatre stock, on or about September, last.

To Grow Hair on Bald Heads

Specialist Gives Simple Recipe That Works Fine.

Thousands of people suffer from baldness and falling hair who, having tried every advertised hair tonic and hair-grower without results, have resigned themselves to baldness. But the attendant discomfort. Yet their case is not hopeless; the following simple home prescription has made many bald men and women of middle age, and is also unequalled for restoring gray hair to its original color, stopping the hair from falling out, and destroying the dandruff germ. It will not make the hair greasy, and can be put up by any druggist. Buy 1 ounce: Luncheon, Lavone de Composee, 2 ounces; Menthyl Crystals, one-half drachm. If left with it perfume, add 1 drachm of your favorite perfume. This preparation is highly recommended by physicians and specialists as being absolutely harmless, and contains none of the poisonous wood-soluble so frequently found in hair tonics. Ladies using this prescription should be careful not to get it on the face or where hair is not desired.

Admiral Hood, I.O.D.E. Hear Satisfactory Report

The Admiral Hood Chapter, I.O.D.E., although one of the smallest chapters in the city, had a very satisfactory report read at its annual meeting.

The remains of Red Cross materials and wool were made into children's garments and sweaters and sent to St. Christopher House. The chapter also contributed \$100 to the I.O.D.E. treasury, \$10 to Armenian relief, \$50 to Pearson Hall, and \$25 to poor relief and Christmas cheer.

Owing to the present epidemic, the dance planned for February 13, had to be postponed until the fall, the proceeds of which are for the I.O.D.E. war memorial.

The officers for 1920 are: Hon. regent Lady Hood; regent, Mrs. F. S. Mearns; first vice-regent, Mrs. H. A. Shields; secretary, Miss Marion Gairns; corresponding secretary, Mrs. McDonald; treasurer, Mrs. W. L. Livingston; standard bearer, Miss Bessie Williamson; convener of work committee, Miss Winnifred Paterson.

UNIVERSITY NOTES

The university Y. M. C. A. and students Sunday sermon committees are to be complimented on having secured the services of Lt.-Col. (Rev.) John A. Pringle to deliver the usual Sunday sermon at Convocation Hall on Sunday morning next. Lt.-Col. Pringle is very well known in religious circles both here and in the United States as an eloquent and forcible speaker and as a man who has a message to deliver to the student bodies of all the universities and in fact, who does not hesitate to deliver it for fear of hurting the feelings of a few students who may possess squeamish consciences. At present Lt.-Col. Pringle occupies the position of moderator for the Presbyterian Church in Canada. His appearance at Convocation Hall has been looked forward to for some time and it is foregone conclusion that he will speak to a packed auditorium on Sunday next.

This evening the combined years in the faculty medicine will don their best bib and tucker and put the "jazz" pattern on the shade of an electric lamp has been illustrated at the Imperial College of Science and Technology, to South Kensington, London. It was shown by the demonstrator that correct color values could not be obtained under ordinary artificial light. Black objects appeared brown in places within the radius of an electric lamp, pale shades of yellow almost disappeared, and deep blue looked like black, but when the light was reflected from the ceiling, the colors were normal. The object appeared in their natural colors. The latest in telephones was exhibited by Prof. A. O. Rankine, who showed an ingenious arrangement by which sounds are transmitted by means of rays of light. This is based on the old high school experiment where a watch was held near one concave mirror whose rays of light were focused on another concave mirror a suitable distance away. When the ear of the observer is applied to the second mirror the watch is distinctly heard to be ticking. The practical application of this latest invention is very limited due to the fact that transmission of the sound waves only occurs when there is change when there are no interruptions between the two points, namely that of transmission and of reception.

The invitation to Jane Addams to speak in Toronto under the invitation of the University of Toronto, does not meet with the unanimous approval of the board of governors. At the last meeting one of the members of the board of governors questioned the advisability of bringing her to Toronto, but, inasmuch as the government has no jurisdiction over academic matters, no action was taken. Several other members of the board of governors when approached refused to express any opinion on the matter.

SEEK CONSTRUCTION OF CLANCY WILL

Sister of Deceased Must Disclose Memorandum of Testator's Wishes.

Before Mr. Justice Middleton yesterday application was made for construction of the will of the late William Henry Clancy, formerly a retired railroad agent of Toronto. When Mr. Clancy made his will on March 15, 1919, he directed his executors, Dr. J. F. White of Ottawa and James Kennedy of Montreal, to dispose of his \$30,000 estate in accordance with a memorandum which he had given to his sister, Marie Clancy, nun of the Community of St. Joseph of Toronto, known in the religion as Sister Mary of the Immaculate Heart.

The will bears the signature of Marie Clancy, but it was not witnessed at the time, though the signatures of Rev. Thomas F. Batte and Dr. J. D. Hayes, testators of the board of directors, and ment disposed of a large sum and leaves a residue of \$19,000, which is directed to be disposed of by the executors, his sister to purposes he had intimated to her.

Sister Mary had not disclosed to the executors how this \$19,000 is to be disposed of, and the executors asked in court if she took the residue absolutely.

Mr. Justice Middleton directed that Sister Mary disclose the instructions she gave to her brother. If she does so the executors may dispose of the remainder of the estate as instructed.

NEWS OF LABOR PLANS FOR TEMPLE ASSUMING SHAPE

C. F. L. MEN DENY O. B. U. CONNECTED

Jewish Authority Confirms Tom Watt, in Manifesto, Report New Labor Temple Planned.

Authoritative confirmation was given to The World last night of the report given out to the effect that a large new labor temple was about to be built by the Jewish community of Toronto. A member of the committee having charge of the arrangements stated authoritatively that the building would cost in the neighborhood of \$10,000, that it would be built on Beverley street, near Grange avenue, that it would contain three auditoriums, one with a seating capacity for 1,500 to 2,000 people, the other two with capacity for 700. Besides these there would be large pool rooms and a fine commodious gymnasium.

Complete This Year.

The World's informant stated that work was expected to commence on the new building at the end of March or some time in April, and that there was every reason to hope that it would be completed at least before the beginning of November. It was pointed out that besides showing the way to other labor groups this new project would give employment to large numbers of men in the building trades for many months. All the Jewish societies had given their promise of strong support. Individual shares were sold five to an individual, each at five dollars, but societies could purchase shares at libitum. Many had been sold to date.

WANT VIEW OF LABOR ON DAYLIGHT SAVING

Canadian Manufacturers' Association Suggest a Referendum.

Montreal, Que., Feb. 19.—Action is now being taken by the Canadian Manufacturers' Association to secure the opinion of labor in Canada with regard to the passing of a daylight saving bill this summer.

It is believed that referendum will give the association a mandate with which to approach the Dominion government, and ask for a daylight saving act.

The method suggested is that each manufacturer through the Dominion take a straw vote of his employees, and forward the figures to the Canadian Manufacturers' Association headquarters at Toronto.

The Montreal branch has already taken a straw vote of the printing trade here, which resulted in 1700 to 43 in favor of such an act.

The standpoint of the Canadian Manufacturers' Association as shown in the literature sent out to all the provinces, is that a genuine expression of opinion is all that is needed to place the daylight saving measure on the statute books.

BRANTFORD TO OBSERVE LABOR DAY THIS YEAR

Brantford, Ont., Feb. 19.—(Special)—Brantford Trades and Labor Council decided on Wednesday night to celebrate Labor Day in Brantford this year and they proposed that the park be notified that the cultural park will be used for the purpose that day. The council tendered their day, congratulations to their brother delegates, Mayor MacBride, M. L. A., upon his complete vindication before a court of justice in the last of proceedings that were intended to disqualify him from taking the office as mayor of Brantford.

PORTABLE ENGINEERS BECOME AFFILIATED

William O'Brien, business manager for the Canadian Portable and Hoisting Engineers' Association, stated yesterday afternoon that his organization had become affiliated with the National Trades Council of Toronto, and that Jack McKinney had been appointed to the council. He emphatically denied that Ottawa, He said that in that city could get work unless he was an international member of the International Union of Portable Engineers in Toronto, stated that the building trades league in that city had effected an agreement by which no member of any union in the league would work with a member of any other international union, and that no portable engineer would hold any material brought in by a non-union laborer in the same way as the league would for a moment work with a non-union or non-international bricklayer.

Members were initiated at last night's meeting at the Labor Temple. The fee, he said, had been increased from five to seven and a half dollars.

STATEMENT REPUDIATED.

Officials of the Canadian Federation of Labor yesterday afternoon strongly repudiated a statement appearing in a morning paper purporting to come from St. Catharines, to the effect that while a number of fire-fighters in that city advised the fire-fighters of a purely Canadian industrial organization, another alderman pointed out that the only purely Canadian organization was the O. B. U. "We want that corrected," said Charles Clay, general secretary for the Canadian Federation, who stated that the Canadian Federation of Labor was essentially a Canadian industrial organization, and that its tenets were as far removed from those of the O. B. U. as the sun from the moon.

BUIST, VICE-PRESIDENT.

Andrew Buist, secretary of the Calgary Canadian Brotherhood of Railwaymen, has been appointed vice-president of the Canadian Federation of Labor for Alberta. He is one of the best-known members of the organization and a man of more than ordinary education.

SHIPBUILDING PROGRESSING.

Steel having begun to come in in fairly large quantities, the Dominion Shipbuilding Company is increasing its force week by week, and now the company employs in the neighborhood of 500 men. Within a short time it

least 800 men will be at work, and the contracts for ships will be taken hold of more rapidly. The company has contracts to last at least two years.

Peterboro Labor Favors Street Cars on Sundays

Peterboro, Feb. 19.—At a meeting of the Trades and Labor Council, held last evening, a resolution was endorsed, commending the city council for its recent decision to allow street cars to operate on Sunday. In a short address Mr. John Noble of Toronto expressed his disapproval of group insurance, and urged that the employees get sufficient remuneration to carry their own insurance. Mr. Fred Bancroft of Toronto also gave an address, in which he dealt with many labor problems.

ONLY SIX REPORT.

The trade report for the Brotherhood of Carpenters for February, 1920, shows that out of a total of 72 locals in the province only six locals have sent in any kind of report. The monthly report records the organization of one new local, that at Oshesay, where inside woodworkers are fairly numerous. The report also records the opening of three new factories in Woodstock during the month. Only in Oshesay, Cobalt and Brantford is trade reported to be brisk. This is because of the season of the year, the climatic conditions restricting work to a large degree.

I. L. P. TO MEET.

Members of the Independent Labor Party will have an opportunity next Thursday night of bringing their views to an I. L. P. meeting, the party having decided to hold an open meeting that evening at the Labor Temple.

KNIGHT BACK FROM WINNIPEG.

Joseph Knight, the enthusiastic leader of the O. B. U. movement in Eastern Canada, has returned from the convention of the movement, held recently in Winnipeg. There were about twenty-four delegates there, representing 41,000 members.

PLAN SCHEME FOR MOTHERS' PENSIONS

(Continued From Page 1.)

bers by arrangement, all subject to reappointment, and all reappointments for five years.

The lieutenant-governor-in-council will control the positions of chairman and vice-chairman of the commission which will be effective with three members either present as a quorum or in office.

The commission will recommend its own permanent salaried staff, investigating all applications under the act, and also making recommendations to the lieutenant-governor-in-council will make regulations as to the appointment of local committees provided for, also making recommendations to the lieutenant-governor-in-council and have supervisory powers.

An exhaustive review of mothers' allowances in other provinces and states the foregoing recommendations are made for Ontario. The title of the bill is "The Mothers' Allowances Act." Allowance to be made available to: Widow; wife of an inmate of a provincial hospital for the insane; or of a totally disabled person. The mother must be a suitable guardian for her children.

Allowance for Families.

Allowance available to families of two or more children under fourteen years of age and in the immediate care of the mother. The father or mother must have been a British subject before marriage; mother and children actually resident in Canada at the time of the death or total disability of the father; mother resident in Canada for three years prior to the application for allowance; mother's net income in Ontario for two years prior to and at time of application and finally continued residence in Canada while family is in receipt of allowance.

Mother and children qualified for allowance not to own property over \$2,000 in value, or more than \$500 in cash or securities over and above household goods; children dependent on mother.

The amount allowed in every case is to be determined by the commission, but shall be a maximum per family. The cost of administering the act is to fall wholly upon the province, one-half the annual appropriation, however, to be charged directly by the commission against the municipality where the beneficiary has continuously resided for one year prior to the date of the proposed act as figured out at \$995,036 a year if the age limit of children paid for is 18 and on the basis of a one-child family; but if 14 be fixed as the dependent age limit, the cost would fall to \$995,532, excluding in both cases the contemplated allowances to the commissioners, the permanent staff, and so on, which would approximate \$20,000 to \$25,000 per annum.

According to the Canadian registration board there are in Ontario 15,244 widows with 30,159 dependent children, of British nationality, and 524 widows with 1,064 children non-British, or a total of 47,271 persons who may come under the benefits of the proposed law. These have been subdivided into classes of families of one to twelve-child families. But a calculation based on personal visitation placed the number of needy children in the province at 8,907.

The scheme put forward, however, in the present report is one to provide for 3,210 homes. The suggestion is kept in mind that the operation of a mothers' allowance law would reduce the cost of provincial institutions in which children are now cared for.

CHARGED WITH FRAUD.

Robert Ross McArthur was arrested last night by Detective Sergeant Leavitt and Mulholland in a downtown hotel on a charge of fraud. The specific charge against McArthur is that he obtained \$15 from A. T. Pigg of Toronto. He is also wanted by the Brampton police on a similar charge. The police believe that the fraud will amount to \$400 or \$500 altogether.

IN MEMORY OF BRIGADIER RICHARDS.

There is to be a memorial service in the Salvation Army Temple, Albert street, on Sunday evening at 7 o'clock, in memory of the late Brigadier Wm. J. Richards, eldest son of Commissioner W. J. Richards of Toronto, who died in Korea a few days ago.

METCALFE VS. CAVE.

District 48, International Association of Machinists, last night passed a resolution calling upon the Dominion house to define by legislation exactly what sedition really is, so that no individual opinion may bias the general situation. The general feeling was that a measure should be enacted, laying down rules in this matter for the education of the judges of the country. In this connection it is interesting to note that the union has issued a pamphlet showing the comparative judgments of Mr. Justice Metcalfe in Winnipeg in 1918, and of Mr. Justice Cave, one of Britain's most notable jurists, upon practically identical issues, those relating to alleged sedition. The judgment of the Winnipeg judge to his jury resulted in a verdict of "guilty"; the result in a verdict of "not guilty."

WANTED IN HAMILTON.

Wanted in Hamilton on a charge of assault. Charles Davidson was arrested last night in a downtown hotel by Detectives Nicholls and Courtney. When arrested he was accompanied by his two-year-old son.

If He Died... The Business Would Die

How often have you heard some such statement made about a particular business? It means—that one man, either through technical knowledge, or through his ability as an executive, controls, for the time being, the destiny of the firm. If he died, creditors would become anxious, inquisitive or even troublesome. Many contingencies might arise to threaten the stability of the business.

Unless—his life was insured in favor of the firm. It is possible to so insure "his" life that the storm can easily be weathered and the business successfully carried on without him.

The matter is very clearly dealt with in a book we have published, entitled "Personality in Business." It would be well worth your while to send for a copy and read it. You may have one for the asking.

THE IMPERIAL LIFE
Assurance Company of Canada
 HEAD OFFICE TORONTO

REAL ESTATE NEWS

The Smet-Solway Company, of Syracuse, N. Y., has taken an option on about 25 acres of harbor commission property on Ashbridge's Bay, as a site for a by-product coke oven plant. The concern will make coke for foundry, smelter and domestic use. The company has 19 other plants and controls mines in the bituminous fields. They are represented in Toronto by Mr. K. E. Marshall, president of the Standard Fuel Company, Ltd., who has been conducting the negotiations.

FATHER OF SIX COMMITS BIGAMY

Frederick Charles Matthews was charged in the criminal court yesterday before Judge Coatsworth with bigamy, having gone thru the marriage form with Mary Hannah Schofield, a widow with two children, on December 20 last, while his wife was living.

In the stand Mrs. Matthews said she had married the accused some years ago and that he was the father of her six children. She had received no money from him for two years. The youngest of the children was kept by her mother. She is employed in the household of a family in Parry Harbour and contributes to their support. Mrs. Schofield said she went thru the marriage form with the accused on December 20, not knowing him to be married. She had kept company with him for five months previous.

Crown Attorney Greer was not satisfied with a sentence of one year, and Judge Coatsworth sentenced Matthews to two years in Kingston Penitentiary, despite the pleading of Austin Ross for a lesser sentence. His honor said there was not a redeeming feature in the case.

CLAIM ILLEGAL IMPORTATION.

Augustine Rossetti, Centre avenue, was taken into custody last night by Plainclothesmen Ward and Clarkson on a charge of illegally importing liquor into the province. The police seized 12 cases of the prohibited beverage at Rossetti's home.

A summons has also been issued against the occupant of a house on Simcoe street, where 20 bottles were also seized by the same officers.

ERIE CARS ARRIVE.

Brantford, Feb. 19.—(Special)—The Lake Erie and Northern came from Port Dover and Simcoe came into the Brantford station for the first time this morning since last Friday. Snow drifts near Simcoe have held up the traffic. The train were running to Galt and the points on the northern branch without interruption.

GROVE'S O-PEN-TRATE SALVE

Opens the Pores and Penetrates

A Remedy for Chest Colds, Head Colds, Spasmodic Croup, Sore Throat, Stiff Neck, Earache and kindred ailments. Apply freely to the skin just over the affected parts and rub it in.

COLONEL COUNSEL FOR E...

Wants Time of Stand... Sub... INFORMAT...

Mr. J. H. Spence, A. K. A., asked for a copy of the Standard Reliance master-in-chamber yesterday morning. He said he was unable to get a copy of the Standard Reliance master-in-chamber yesterday morning. He said he was unable to get a copy of the Standard Reliance master-in-chamber yesterday morning. He said he was unable to get a copy of the Standard Reliance master-in-chamber yesterday morning.

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