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THE EVENING TIMES AND STAR, ST. JOHN, N. B., FRIDAY, AUGUST 25, 1922

## The Evening Times and Star

ST. JOHN, N. B., AUGUST 25, 1922.

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### PROFITS THAT ARE EASY

The friends of the New Brunswick Power Company are laying emphasis upon its large earnings and the surplus now in sight. They are not as eager, however, to tell how the fine showing may have been brought about. The consumers of light and power know. They remember the shock they received last April or thereabouts when they surveyed their gas and electric light and power bills. The protest was universal, but it had no marked effect. It is always easy to make profits by putting prices high enough, when the customer has no recourse. It is not at all difficult to foresee what would happen if the company got the Musquash current and clinched its monopoly for another long period. The people now have a remedy, however, and are determined to apply it. They want the city council to close the contract for the Musquash current, call for tenders for a distribution system, and get down to real business.

### THE NURSING PROFESSION.

There is a scarcity of nurses in New Brunswick, but it is not confined to this province. Appeals sent from the provincial department to cities in other provinces revealed the fact that the scarcity is general. Large numbers of Canadian girls go to hospitals in the United States to train, and remain in that country. If they are to be kept at home there must be an educational campaign here with regard to training and salaries must be nearly approximate those over the border. The Toronto Globe has an interesting article on the subject as follows:

"An article entitled Canadian Girls Nursing Uncle Sam, contributed to The Canadian Magazine by Miss Jean Morrison, R. N., M. A., will be read with mixed feelings. They have long been an important element in United States hospital life, scientific service and private duty. Those mentioned holding important positions in the great institutions of New York, Boston, Newark, San Francisco, Washington, Panama, and other places, indicate the large number of Canadian girls whose services have been lost to this country. Thoughtful readers, says Miss Morrison, inquire 'why the exodus to the United States of the flower of Canadian womanhood?' The answer is, ambitious women concluded that the best was none too good and made unpublishable sacrifices to realize their hopes, receiving a cordial welcome from Uncle Sam before Canadian philanthropists had amassed surpluses sufficient to foster the consummation of their dreams. Compared with U. S. A. resources, hospital accommodation in Canada had been limited, operating and laboratory facilities were limited, and the division of hours of relaxation not adequately appreciated. Hundreds of Canadian girls turned their eyes to the nursing opportunities offered in the United States at that time, and now many follow their example, although they are needed here. The courses now featured in half a dozen universities, from Nova Scotia to British Columbia, qualifying nurses for public service and official appointments did not exist a few years ago. Miss Morrison, however, does not express an opinion whether the opportunities now offered in Canada are sufficient to affect the exodus of nurses to the United States."

The nursing profession has grown greatly in importance as a result of the universal growth of interest in public health service. There is need in New Brunswick at the present time of public health nurses, and the demand will steadily increase. The new Health Centre in St. John will provide facilities for training, but it remains to impress upon the minds of earnest young women the opportunity afforded them to find a useful avocation, and to keep them in the province.

When the New Brunswick Power Company comes bearing gifts, watch out. When it comes with lofty phrases about fair play, remember the stock-watering transaction and how St. John fared when it entered its protest against that iniquity.

The joyous eagerness with which the New Brunswick Power Company has taken to itself the Musquash current, suggests that at last the company believes there is some power at Musquash.

Whole pages of a newspaper would not hide the real character of the New Brunswick Power Company, the condition of its plant, the kind of service it gives, or the cost. These things are known and read of all men.

If the New Brunswick Power Company wishes to sell its property it can name a price and the city can say yes or no. There is nothing to arbitrate.

When does the city intend to complete the contract for the hydro? Who is responsible for the continued delay?

### THE TAINTED DOLLAR.

An anonymous correspondent sends the Times a clipping from a Montreal paper which estimates that tourists will leave \$6,000,000 in that city and \$15,000,000 in the province of Quebec this summer. The correspondent marks the following paragraph— "According to hotel proprietors, railway officials and tourist agencies the reason for the popularity of Quebec is that its charm is becoming better known, the roads leading here are in much improved condition and the resorts better advertised. Then there is the rather inviting attraction and inducement offered under the provincial liquor laws, which have a flavor all their own doubly dear to parched mouths and thirsty throats."

"Put this in your pipe and smoke it," comments the Times correspondent. "Looks as though N. B. will have to come to it."

The Times is quite convinced N. B. will not "come to it." Pending to a depraved appetite may appeal to this correspondent, as a worthy means of getting money, but the people at large have twice declared their views and will not change them. Montreal has been described by one of its own citizens as "a great, wicked city," but Montreal and Quebec province will in the end find the price too great, and will not let American dollars blind them to a great moral principle and a great degradation.

A strong group of Irish leaders will endeavor to carry out the policies approved by Griffith and Collins. They will have less difficulty in overcoming the bandits who are still at large because the universal horror caused by the murder of Collins will inspire a more widespread determination to put an end to the carnival of crime. Cardinal Logue's description of the criminals as "those misguided men who show their love of country by drenching its soil with blood and leave behind them a trail of pitiful ruin and destruction" strips them of any pretense of real patriotism, and the Irish World of New York bluntly sets them down as butchers and assassins.

### TOMORROW'S REGATTA.

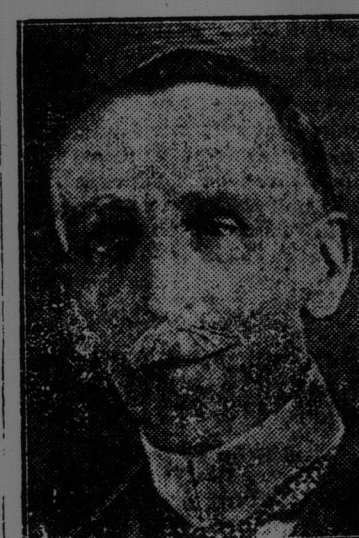
The people of St. John have honored Hilton Belyea because he is a great oarsman and because he has spread the fame of St. John. If we are to have other champion oarsmen in years to come we must train them. In order to enlist their interest we must promote and support such events as tomorrow's regatta at Renforth. The contests there will not be between local oarsmen alone, but Halifax and Fredericton at least will be represented. The regatta comes on Saturday afternoon, when there is a half holiday. There will be an excellent train service, and Renforth is beautiful, apart altogether from the special attractions of the day. The citizens generally should show their appreciation of the sporting spirit of the Renforth people. Above the fireplace in their pretty little clubhouse is a photograph of James Renforth, the famous English oarsman whose death threw a shadow over a great aquatic event of former days on the Kennebec. The spirit of those former days survives and should be encouraged. There is excellent material in St. John and its suburbs for rowing champions, but the people must give encouragement if the sport is to flourish. A pleasant afternoon may be spent at Renforth tomorrow and another boost given to a sport in which St. John should always excel.

The situation in regard to the coal supply is brighter in Nova Scotia, while mining operations on a very large scale are being resumed in the United States.

And now we are told the coal the power company uses would not heat the householders, because it is run-of-mine coal.

Casting ridicule upon recall petitions and those by whom they are circulated will not erase a name or save a mayor.

### HON. MR. JUSTICE MIGNAULT



of the Supreme Court of Canada, who is attending the convention of the Canadian Bar Association in Vancouver.

## FIFTEEN MINUTES OF RADIO EACH DAY

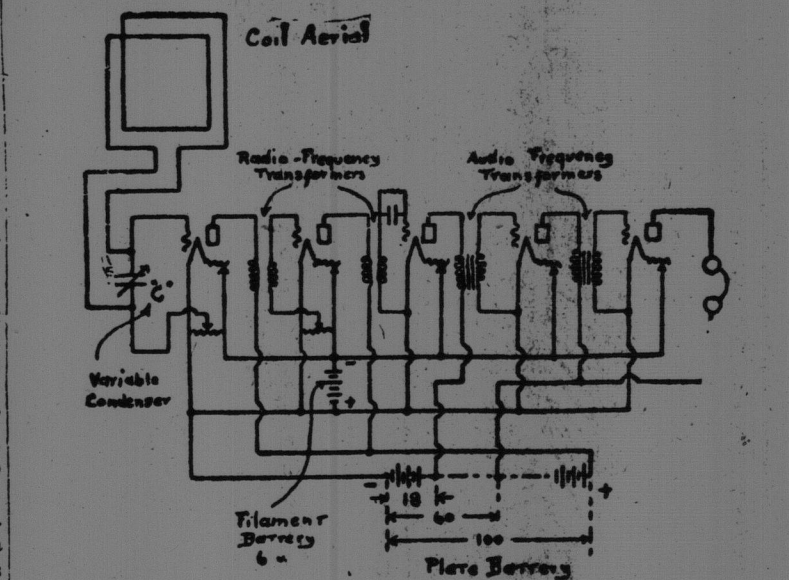
By Edward N. Davis

Formerly Technical Electrical Expert For U. S. Government

Lesson No. 87.

### AMPLIFICATION AND THE COIL AERIAL.

In congested districts where there are physical limitations upon the installation of proper types of outdoor aerials, the coil or "loop" aerial provides a very satisfactory means of intercepting the electric waves and impressing them upon a receiving circuit. This type of aerial has comparatively small dimensions and may be easily installed in an ordinary room. It should be suspended or pivoted upon a support so that it may be revolved until the plane of the aerial is in the direction of a particular transmitting station, thus insuring the reception of strongest signals from this station.



### Amplifier - 2 Stages Radio - Detector - 2 Stages Audio.

Due to the fact that a small loop aerial is not as efficient as the usual form of outdoor antenna, the signals brought in on the loop are very weak. For this reason it is necessary to employ amplification to render the signals audible. An example of amplification used in connection with a small loop aerial is shown in the accompanying diagram. The terminals of the loop are connected across the variable condenser (C). By means of two stages of radio-frequency amplification, the weak incoming signal is increased in strength so that it will set upon a third vacuum tube which is used as a detector. It is absolutely necessary to have a certain strength of signal impressed upon the detector tube in order to secure rectification.

The detector tube converts the signals of inaudible frequency into signals of audible frequency, which are further amplified or increased in strength, by two stages of audio-frequency and rendered audible in the receiving telephone. Radio-frequency amplification, therefore, compensates for the lack of sensitivity of the detector tube while audio frequency compensates for the lack of sensitivity of the human ear.

In the above diagram a wooden framework four and one-half feet square is used as a support for the turns of wire and the terminals of the coil connected across a variable condenser (C) having a capacity of 0.001 microfarad, the resultant relations between the range of wave lengths to which the set will tune and the number of turns of the coil will be as follows:

Number of Turns of Coil	Range of Wave Lengths in Meters
2	100 to 250
4	150 to 350
6	200 to 500
8	250 to 750
10	300 to 1000
12	350 to 1250
14	400 to 1500
16	450 to 1750
18	500 to 2000
20	550 to 2250
22	600 to 2500
24	650 to 2750

The range in wave lengths is given between minimum and maximum adjustments of the condenser (C). The tube should be one half inch spacing and the wire may be any size from No. 18 to No. 22, either bare or insulated.

The radio-frequency transformers are of the air core type while the audio-frequency transformers have an iron core. A potentiometer having a resistance of 200 ohms is connected across the filament circuit of the vacuum tubes in the two stages of radio-frequency amplification and one side of the respective grid circuits is connected to the adjustable contact for the reason that the potential on the grids of these tubes has a very critical value.

The filaments of all the tubes are heated from a storage or "A" battery of 6 volts. The plate voltage of the tube in each stage of radio-frequency has a potential of 100 volts, the plate voltage of the detector tube in each stage of audio-frequency is 60 volts.

It may thus be seen that the coil aerial used in conjunction with radio and audio-frequency amplification may be satisfactorily employed in the reception of radio signals.

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### THE CITY IN THE FOG.

Dear Editor,—Having read Mr. Hope Thomson's last verse, I beg to feel slighted on behalf of St. John. Fredericton may be "City of trees," Moncton is full of fogs—but hand it to St. John for rain and fog.

"Hark, the fog-horn, hark!" the captain shouted, "Within the murky curtain lies a Some say that once the sun shone, but I doubt it!" And the moisture off his brow with a frown.

So in a day long past from Biscay's De Champlain came and vainly sought to pierce The mist that ever hides the Loyalist's boast, "La miste, baptême, la miste, il dit, c'est fere."

And now a city cradled 'midst the soft And clinging fog down from the bay Stands proudly, and the moon shines off. Full busy—the sun is on a long-drawn holiday.

Fair city, where the fog-horn's ceaseless blast First greets the voyager's ear and bids farewell, First sound that greets the new-born day That drifts across old Pandey's dly swell.

P. S.—The "metre" is like the article furnished by the N. B. Power Co.—doesn't read right.

Yours,

"CRITIQUE."

### LIGHTER VEIN.

They Understood. "You dispersed the mob?" "Yes," said the Sheriff, nonchalantly. "When the boys swarmed around the jail I stepped out with a couple of guns in my hands and spoke softer soothing 'em."

"What did you say?" "I just reminded 'em that my brother was runnin' the only undertakin' shop in town, and everybody that knowed me knowed I was a strong family man who'd do anything in reason to boost the business of a relative."—Birmingham Age-Herald.

### He Said It.

Schoolmaster (to new boy)—"What is your name, my boy?" New Boy—"Henry Jones." "At this school, when speaking to masters it is usual to say 'sir.' Come now what is your name?" New Boy (beaming)—"Sir Henry Jones?"

## CADET TRAINING AND CITIZENSHIP

History of Service Outlined to Rotarians by Lt. Colonel Keefler.

Cadet training and its influence in the mind of the young, was the keynote of an address delivered on Tuesday by Lt. Col. J. K. Keefler, Inspector of Cadets, Military District No. 4, before members of the Rotary Club of Montreal at their luncheon held in the Windsor Hotel. The speaker, who outlined the history of the Canadian cadet service since its inception, stated that the first important impetus given to the movement was the donation of Lord Strathcona for promoting competition among the various cadet districts, with which a trust fund, administered from Ottawa, was established.

The cadet, said Col. Keefler, was trained not merely to be a good soldier, but also a good citizen, and no make the coming generation physically fitter than the present one. The training had been put on a scientific basis whereby the cadet's mind was considered no less than his chest, while there was also a strict regard for discipline, as it taught self respect and respect for others. The training also developed executive ability and educated the cadets to a sense of leadership, and impressed upon them the necessity of giving good service without thought of reward; not to accept privileges unless prepared to hold responsibilities; to practice personal cleanliness in mind, body and speech, and to search for knowledge.

It was a service, declared the speaker, that had amply justified its existence, since the crucial test during the war was adequately met in that over 40,000 cadets joined the Canadian forces; over 2,000 were killed, while eleven were awarded the Victoria Cross; eighty-five were awarded other distinctions, and over 400 given commissions. At the present time there were over 100,000 cadets training in the Dominion, some 50,000 of whom were in this district.

If patriotism, said Lt. Col. Keefler, meant anything, it surely meant that we should square our theories with practical ideas for child health, and he could imagine no better way in building and saving in the training boys in the cadet service. He reminded his auditors that something like forty-five per cent. of the men who were examined

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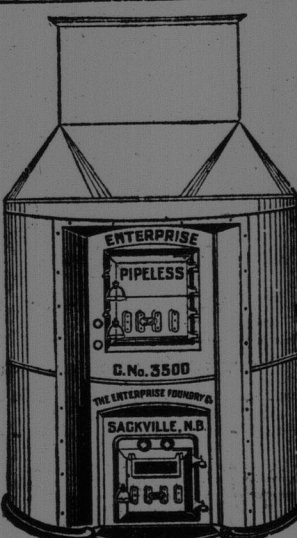
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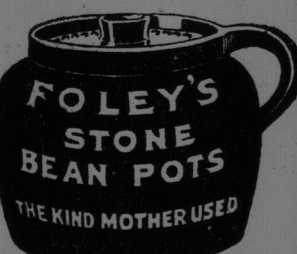
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for service during the war were found to be medically unfit, so it was about time measures were taken to provide for proper training of the coming generation.

Col. Layton-Ralston, chairman of the Returned Soldiers' Committee, and whose influence was largely responsible for the

establishing of the Rotary movement in Australia, was a guest at the meeting. He spoke in commendation of Mr. E. Wehber's announcement that he had received a letter from the Auckland, New Zealand, Club suggesting that sons of Rotarians in that city should correspond

with local boys whose fathers are Rotarians. T. R. Bentley, past district president of Ohio, U. S. A., was also a guest, and in a short address gave it as his opinion that Rotarians should back social work rather than undertake it themselves.



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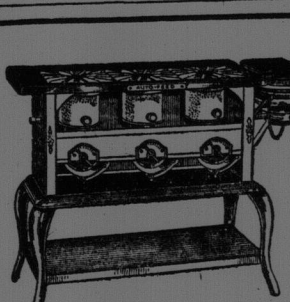
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