

The Evening Times and Star

ST. JOHN, N. B., SEPTEMBER 6, 1922.

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THE CURRENT IS THERE—AND AT COST.

Representatives of the New Brunswick Power Company have been trying to secure control of the Musquash current on the one hand and attempting on the other to create the impression that the current is not there.

The crucial time is indeed around the sixteen year mark. Perhaps if there was not in youth of that age an inbred fear of the consequences of crime, the number falling under the eye of the law would be more appalling.

The weather is kindly to the exhibition. There should be a great attendance today. The way to encourage those who are giving their time to the big fair is to visit it several times.

An official estimate of more than 900,000 bushels of grain in the western crops this year is the news from Ottawa. That's cheery.

SASKATCHEWAN HAS COAL DEPOSITS

Fuel Shortage Not Considered in Serious Light in View of Recent Find in Prince Albert District.

(Special to the Times.) Ottawa, Sept. 6.—Thomas M. Molloy, commissioner of labor and industries for Saskatchewan, says that a solution of the western fuel problem appears to have been found with the discovery of considerable coal deposits north of Prince Albert.

The power is there. The current is available at the city line at cost. The government's guarantee provides for a maximum charge of 12. It cannot be more than that; it may be much less, for any saving in production will be passed on to the consumers.

DRURY IDEAS ARE OPPOSED BY FARMERS' ORGAN

WELCOME TO ST. JOHN.

St. John today bids hearty welcome to the delegates to the Maritime Board of Trade meeting. They are prominent business men of the three sea provinces and members of parliament met to discuss questions of vital interest to all.

ONE DEATH AND FIVE INJURIES IN WESTERN STORM

Moose Jaw, Sask., Sept. 6.—One death and five persons slightly injured appears to be the toll of the storm which swept through the Moose Jaw district Monday afternoon.

LARGE ORDER FROM FRANCE.

SAYS PUBLIC NEED HAVE NO FEARS REGARDING CAPACITY AT MUSQUASH

Chief Engineer Gives Effective Answer to Those Who Are Trying to Create Doubt as to Power That Can be Furnished—A Message That Should be Read by All.

C. O. Foss, Chief Engineer of the New Brunswick Electric Power Commission, yesterday gave out the following statement: "To the public: There is some discussion in the public press and on the public platform, and much more on the street corners and in the homes, as to whether it will be possible to generate the amount of power at Musquash which is claimed, viz., 21,000,000 kilowatt hours per year, and it is in the hope that I may be able to remove the doubt from the minds of honest doubters that I am asking you to publish the following statement:

"A water power is as easy to measure and compute as any other tangible object. It is made up of two easily determined elements, first the amount of water that can be controlled, and second, the distance through which it can be caused to fall.

"The quantity of water which is delivered by a stream can only be determined by careful measurement repeated over and over at all stages of the stream till an accurate flow curve has been established, after which daily readings of a gauge fixed in the stream at the place where the measurements have been made will give correctly the amount of water delivered by the stream in any given period of time.

"To apply these requirements to Musquash we have assumed that we can regulate a flow of 180 cubic feet per second on each branch. Last year (1921), the rainfall from May to October, inclusive, was the least since records were kept in this city, a period of sixty-one years, and yet we found that with all the reasonably available storage provided we could meet the requirements to provide the amount of water named above, sufficient to generate twenty-one million kilowatt hours per year, which is the basis on which the plant has been designed and built.

"As last year was the first to run so low for so long in sixty-one years, it may be sixty years before it occurs again, and it is almost certain to be at least five to ten years.

"Meaning we shall have, when the dams are completed at seven mile lake, a matter of two months or less, three billion cubic feet of stored water, more than enough to take care of the present requirements of St. John and Moncton even if next year should be as dry as last.

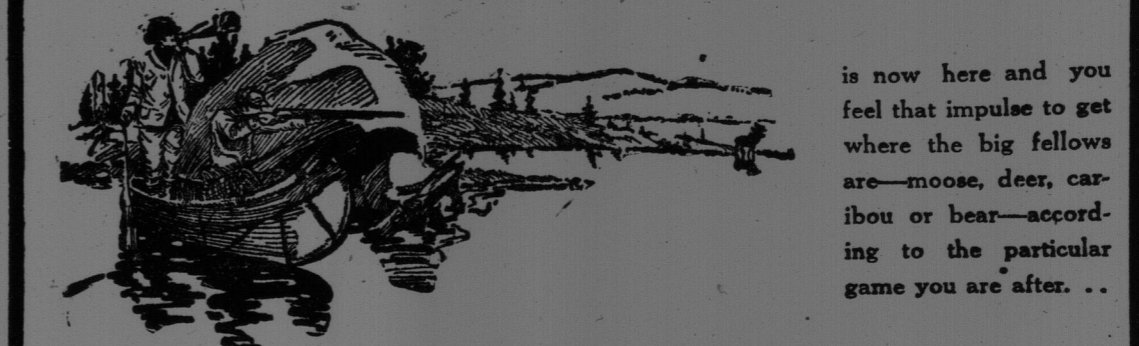
"This amount of storage would, in ordinary years, take care of the requirement for the full load the plant is designed to carry.

"In addition we shall build a small dam on each branch every year for the next three years till we have sufficient storage to meet the requirement of the full load in a year like last.

"It is possible that twenty-five per cent to thirty-three per cent of this stored water will not be used for years to come, but it is the cheapest and most efficient standby or auxiliary we can provide.

"In closing, I fear to reassure the people who are interested that they need have no fears that Musquash will not supply the amount of power calculated, viz., 21,000,000 kilowatt hours.

THE HUNTING SEASON



is now here and you feel that impulse to get where the big fellows are—moose, deer, caribou or bear—according to the particular game you are after...

Let us furnish you with a trusty rifle and a supply of good ammunition. We carry the leading makes of Guns and Rifles on the market and your favorite arm is here; also the right ammunition.

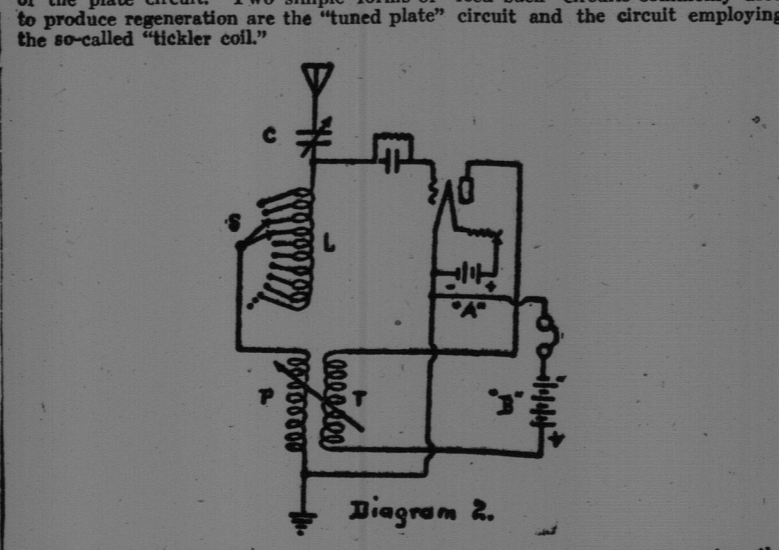
Phone Main 2540 McAVITY'S 11-17 King Street

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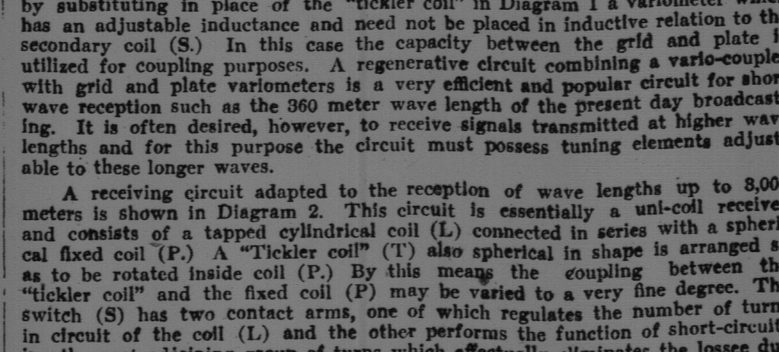
School-time Shoe Sale. BOYS' SCHOOL BOOTS. GIRLS' SCHOOL BOOTS. Boys' Box Kip Bluchers, sizes 1 to 5... \$2.35. Girls' Black and Brown High Cut Laced Boots... \$2.35. WIEZEL BROS SUPERIOR FOOTWEAR EXHIBITION WEEK

FIFTEEN MINUTES OF RADIO EACH DAY

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



In Diagram 1 is shown an example of a "feed back" circuit using the "tickler coil." The incoming wave is impressed upon this circuit the current in the plate circuit has both audio-frequency and radio-frequency pulsations.



Regeneration in receiving circuits employing the vacuum tube is accomplished by "feeding back" to the grid circuit, a portion of the oscillating energy of the plate circuit. Two simple forms of "feed back" circuits commonly used to produce regeneration are the "tuned plate" circuit and the circuit employing the so-called "tickler coil."

Edward Belier, a resident of Darling's Island, in the Kennebecasis, killed himself by a shot through the mouth on Monday morning. He had been complaining of frequent pains in the head and it is believed that he was mentally unbalanced at the time of his death. His mother is the only relative surviving.

WIND. The Wind is a black-visaged beast to-night. I toss and shudder and long for light. Oh cruel talons that grasp with might. My casement window—how frail it seems— How it opened, once to the moonlight gleams. Rustle of leaves and the tiptoe dreams— But now it is shutting a wild thing out— A winged beast in a mad death rout— (Oh, the great black wings on-rushing!) Was it the Wind that yesterday Crooned so soft in the bent sapling? Touching my lips like a pungent wine, On the cliff top there, with the lichened turf (Marriage of sea and of rich brown earth). Bayberry bushes of frosted green Guarded that trust of a king and queen, Sun-warmed strawberries formed the feast— (Ah-h-h!) The rush of that black-winged Beast!

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