

**WHAT CHEAP POWER
WILL MEAN TO ST. JOHN**

Some Comparisons By Mr. Kribs of Pleasing Interest To Power Users Here—The Case of Calgary.

Gordon Kribs, Chief Electric Engineer for the New Brunswick Power Commission, gave the Telegraph the following statement last evening:

In the various discussions which one hears from time to time on the subject of hydro, it is often said by those who are opposing hydro for St. John, from one motive or another, that the capital cost of the Musquash development was excessive. Such, however, is certainly not the case. The capital cost to date is \$1,899,057.37 for 11,000 horse power, or \$182 per H. P. installed. Now compare these figures with the cost of developing other water powers in Canada:

| | | | |
|-------------------------------|-------|-------|-----------|
| Rideau Development, Ontario | ..... | \$210 | per H. P. |
| Severn (Big Amite) | ..... | 246 | per H. P. |
| Eugenia Falls, Ontario | ..... | 218 | per H. P. |
| Wassdells Falls, Ontario | ..... | 268 | per H. P. |
| High Falls (Muskoka), Ontario | ..... | 296 | per H. P. |
| The average for Canada | ..... | 218 | per H. P. |
| as follows:— | | | |
| Alberta | ..... | 168 | per H. P. |
| British Columbia | ..... | 182 | per H. P. |
| Manitoba | ..... | 200 | per H. P. |
| New Brunswick | ..... | 192 | per H. P. |
| Nova Scotia | ..... | 203 | per H. P. |
| Ontario | ..... | 229 | per H. P. |
| Prince Edward Island | ..... | 298 | per H. P. |
| Quebec | ..... | 226 | per H. P. |
| Saskatchewan | ..... | 195 | per H. P. |
| Yukon | ..... | 343 | per H. P. |

From a perusal of the foregoing figures, it will be seen that Musquash is not by any means an expensive development.

Furthermore, the cost of power at St. John is very reasonable.

Misleading statements have been made from time to time regarding the cost of Musquash power. The New Brunswick Electric Power Commission has stated in the contract submitted to the city that the cost will not exceed 1.2c. per K. W. Hr. Now under the same conditions as at present existing in the city and on the system of the New Brunswick Power Company, the city could supply a peak load of 3,424 kilowatts, or 4,600 H. P., at a cost of \$120,000 a year or \$26 per H. P.

In other words, the actual cost of Musquash power to the city is only \$26, which everybody knows is cheap power. Owing to the possibility of a competitive fight as between the city and the Power Company in which the city would have to build up its load; the proposed retail rates were based on \$38 power instead of \$26 power, but it should be borne in mind that when the 10,000,000 K. W. Hrs. are being consumed the actual cost of power is only \$26, so that rate reductions are not only possible but certain.

Compare this price of \$26 with the cost of power in other municipalities. Take Calgary for instance. Calgary buys power at \$25 per H. P. year as compared with the hydro rate for St. John of \$26, and Calgary considers they have cheap power. Calgary's population is almost about the same as St. John and in 1920 the city municipal distributing system sold 30,000,000 kilowatt hours as follows:

| | | | |
|-----------------|-------|------------|------------|
| Lighting | ..... | 8,728,649 | K. W. Hrs. |
| Power | ..... | 15,594,966 | K. W. Hrs. |
| Street Railway | ..... | 8,240,010 | K. W. Hrs. |
| Street Lighting | ..... | 2,825,920 | K. W. Hrs. |

And yet some of the good people of St. John are worrying over signing a contract for 10,000,000 K. W. Hrs.!

The average cost to consumers in Calgary was as follows (1919):

| | | | |
|-----------------|-------|--------|---------------|
| Power | ..... | 1.24c. | per K. W. Hr. |
| Light and Heat | ..... | 3.58c. | per K. W. Hr. |
| Street Railway | ..... | 1.22c. | per K. W. Hr. |
| General average | ..... | 1.94c. | per K. W. Hr. |

Compare these rates with the rates recently submitted by the New Brunswick Power Company.

The surplus for 1921 was \$50,000.

The total debentures issued amounts to \$2,949,480 in addition to which improvements to the extent of \$369,393 have been financed out of surplus revenue.

In Calgary only 9.5 per cent. of the industrial plants generate their own power, and these are in operation in laundries, breweries, etc., where steam is required in the process.

Compare this with St. John where there is approximately 10,000 H. P. being used in industrial plants generating their own power, DUE TO THE FACT THAT THE POWER RATES ARE EXCESSIVE.

**EARTHQUAKES
AND THE
ETERNAL HILLS**

(New York Tribune)

Earthquakes are undoubtedly the most terrifying trick that our usually calm and benign earth plays upon man.

The terrible tragedy that has befallen our fellow Westerners, the Chileans, sits at once sympathetically and uneasily.

What is going on deep beneath these quiet fields and colossal, snow-capped mountains to cause such havoc? When Lisbon was destroyed in 1755 it was a common view in Protestant England that the Almighty was punishing a city of Catholics; and with that ingenuously which man always displays when his prejudices commence to interpret natural events, the Catholic survivors of Lisbon blamed their catastrophe upon the fact that a few Protestant heretics were in their midst. How better do we of today understand earthquakes, thanks to science?

It should be clearly understood at the start that the nature and composition of the earth's interior are almost as completely unknown as they ever were. A hard, fairly rigid shell envelops the earth beyond question. The earlier hypotheses were based upon the theory that within this shell was an intensely hot molten core and that the gradual cooling of the interior contracted the whole body of the

earth and wrinkled its surface very much as the skin of a dried apple is shrunken and wrinkled. For various reasons the molten theory of the earth's interior is today viewed with considerable doubt. The most that can be accepted is that some change in the earth's interior is taking place which sets up terrific stresses and strains upon the earth's surface along certain lines. Probably cooling and contraction are the causes, and molten material is clearly present at certain

Frequent Coughs

Many do not realize the significance of the all too frequent cold or cough. Care should be taken to build up the powers of resistance.

Scott's Emulsion

abundant in health-building vitamins factors, helps build up a reserve of strength and resistance. Be sure and ask your druggist for Scott's Emulsion!

Scott & Bowne, Toronto, Ont. 22-20

MONTREAL'S CENOTAPH



The memorial erected by the Daughters of the Empire in Montreal, as a reminder of the sacrifices of war. It was unveiled on Armistice Day. It stands in Dominion Square.

points, as volcanoes prove; but the precise condition of the earth's core must be left for future scientists to determine, if they can.

What is clear is that this crumpling of the earth's surface—which has folded aloft on great mountain ranges—has usually taken place along certain clearly marked lines. The backbone of North and South America is one such line, and the western coast of the Pacific, from Japan south, presents traces of similar foldings. As a result, the Pacific is more or less surrounded by high mountains or their remnants. The other great link of folding runs east and west across Europe and Asia from the Pyrenees and the Alps to the Himalayas.

Now, wherever these crumplings of the earth's surface have been greatest lie the weakest spots in its crust. Consequently it is at spots along these lines that the strains upon the shell are likeliest to produce violent results, cracking great faults, shifting huge areas, opening holes through which whatever is seething within can blow off steam, literally and figuratively.

When the heaving of the earth includes an area of sea bottom a great sea wave is added to the terrors of land—as at Messina and now along the Chilean coast.

Thus, while science has been able to locate the areas within which the earth plays its most violent tricks, and has worked out fairly clear theories as to their manner of occurrence, the basic causes are still hidden many miles deep within the mysterious heart of our earth. Terra firma thus becomes a highly relative and dubious term. When it is added that through erosion by rain and weather many mighty ranges of mountains were, one after another, washed down the rivers into the sea before the existing mountains were folded aloft, and that the present Alps and Rocky Mountains are equally doomed to slow disappearance, not

much is left of the apparent security of our earth. The hills, so far from being eternal, mark the weakest and most destructible parts of our planet.

The Krupp Gun Works now produce locomotives, adding machines, tools and many other things.

PRESS WOMAN HONORED.



Mrs. Elisabeth C. Ascher, a correspondent of The Standard, St. Catharines, a well-known Niagara Peninsula newspaper woman, has been decorated with the Polish decoration, Polonia Restituta, for her work among Polish soldiers during the war, and Polish repatriation. The presentation was made by the Polish Consul-General for Canada, Dr. Straszewski. She is the first to receive the decoration in Canada.

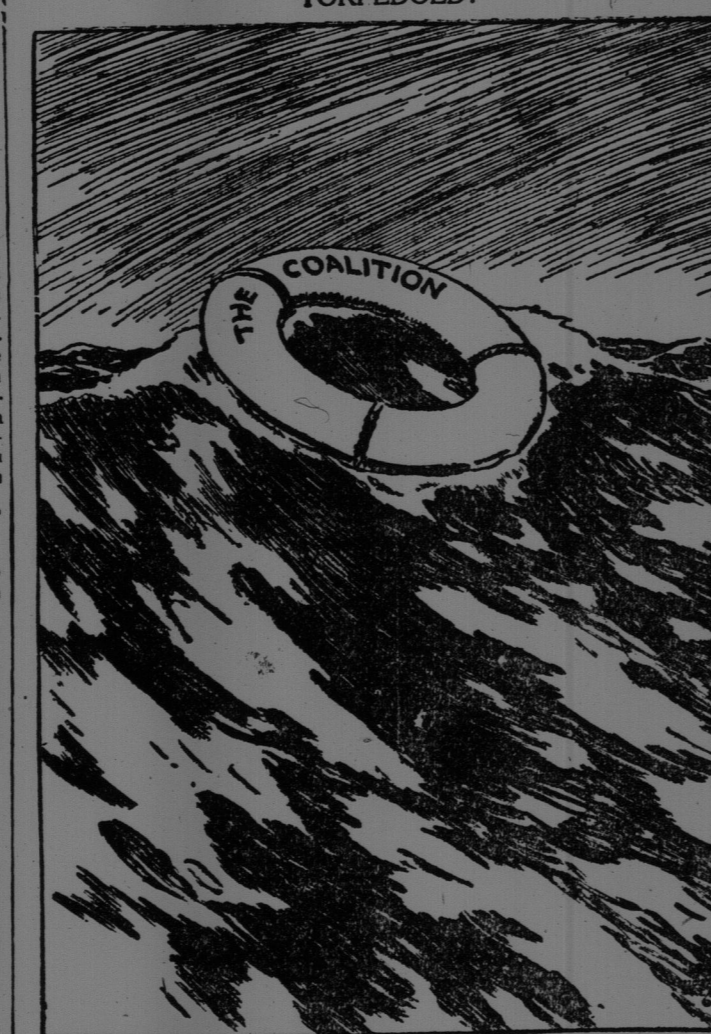
**PUT CREAM IN NOSE
AND STOP CATARRH**

Tells How To Open Clogged Nostrils and End Head-Colds.

You feel fine in a few moments. Your cold in head or catarrh will be gone. Your clogged nostrils will open. The air passages of your head will clear and you can breathe freely. No more dullness, headache; no hawking, snuffing, mucous discharges or dryness; no straggling for breath at night.

Tell your druggist you want a small bottle of Ely's Cream Balm. Apply a little of this fragrant, antiseptic cream in your nostrils, let it penetrate through every air passage of the head; soothe and heat the swollen, inflamed mucous membrane, and relief comes instantly. It is just what every cold and catarrh sufferer needs. Don't stay stuffed-up and miserable.

TORPEDOED!



—From the London Opinion.

**OUCH! LUMBAGO!
RUB PAINS FROM
SORE, LAME BACK**

Back hurts you? Can't straighten up without sudden pain, sharp aches and twinges? Now listen! That's lumbago, sciatica, or maybe from a strain, and you'll get relief the moment you rub your back with soothing, penetrating St. Jacobs Oil. Nothing else takes out soreness, lameness and stiffness so quickly. You simply rub it on your back, and out comes the pain. It is harmless, and doesn't burn the skin. Lumber up! Don't suffer! Get a small trial bottle of old, honest St. Jacobs Oil from any drug store, and after using it just once you'll forget that you ever had headache, lumbago or sciatica, because your back will never hurt, or cause any more misery. It never disappoints, and has been recommended for 60 years.

The St. John local chapter of the Graduate Nurses' Association met last night in the Nurses' Home of the General Public Hospital, with Miss Brophy, the president, in the chair. The chief matters dealt with were the reports of the recent very successful dance held by the chapter in the Pythian Castle to raise funds for the Nurses' National War Memorial. The proceeds will be a substantial amount. Returns were not quite complete last night.

There is a deposit of potash of 10,000,000 tons at Seales Lake in Death Valley, California.

Illinois has 12,216 miles of railways within her borders.

**TRACE SLEEPING
SICKNESS CAUSE**

Dr. Flexner Tells Scientists of Progress Made Toward Cure for Puzzling Disease.

(New York Times.)

An advance toward the cure of encephalitis, popularly but mistakenly known as "sleeping sickness," was reported yesterday by Dr. Simon Flexner, head of the Rockefeller Institute for Medical Research, one of the speakers at the closing session of the National Academy of Science's fall meeting in the Engineering Societies Building, 29 West Thirty-ninth street.

"The origin of this inflammation of the brain, causing lethargy or coma, is still in doubt," said Dr. Flexner, "but we have found that there is some connection between the secretions of the nose and throat and the fluid membranes of the brain. A clear solution of an ordinary cold sore in a man, known scientifically as herpes, injected into the mouth, nose or eyes of a rabbit, caused the symptoms of encephalitis to develop. We do not know where this discovery will lead, but it is very interesting."

The first habitation of man and of the giant land mammals of prehistoric time is indicated to have been on the Asiatic continent by results of the recent expedition to China and Mongolia of the American Museum of Natural History under Prof. Roy Chapman Andrews, it was said by Dr. W. D. Matthey, curator of the Museum, who spoke yesterday.

Don't Give Up Hope!

The World's Greatest Remedy for ALL KIDNEY TROUBLES

Relieves Cases of Long Standing Suffered For Years Our Guarantee

J. H. Beauchamp, 319 Clarence St. Ottawa, writes: "For a number of years I suffered with kidney trouble so bad at times as to prevent me from working. A friend advised me to try GIN PILLS. Fifty cents a box everywhere. For free sample write—"

National Drug & Chemical Co. of Canada Limited, Toronto, Canada. 421

BABY BORN IN AIR FLIGHT.

Budapest, Nov. 9. — (By mail.) — Mme. George Breyer, a Hungarian, who has just returned to Budapest from Italy, gave birth to a child in mid-air. She was staying in the country, and started in an aeroplane for Naples to enter a nursing home there. During the trip, when 6,600 feet up and twenty-five miles from Naples, a fine baby boy was born.

It will be of interest to know what place of birth will be stated on the certificate.

An alarm from box 17 about 5.30 o'clock yesterday afternoon summoned the firemen to extinguish a small fire in a house at 22 Brunswick street, owned by Peter Saab. The fire was put out without doing very much damage to the building.