

THE DAILY NEWS
PRINCE RUPERT - BRITISH COLUMBIA

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MANCHURIAN SITUATION

It is difficult to write anything about the Manchurian situation, because possibly before this is in print another despatch may arrive which may change the whole complexion of affairs in the Orient. As it looks to us, there is not likely to be war, although we must admit there is a lot of dry tinder around likely to break into flame. Already there seem to have been minor raids, but they can be disowned by the Soviet as unofficial. It seems to us rather like a game of bluff that is going on, but it may develop into war if the present tension is not relieved soon.

The Soviet still looks on the rest of the world as hostile and we must candidly admit that very few countries can hope to be friendly to a country that is ready to help upset the government of that country at any time and indeed is using every possible means to do so all the time.

SIR HENRY'S VISIT

Sir Henry Thornton will be more welcome on this visit than he has been on some occasions in the past, because his railway has shown a greater interest in Prince Rupert recently and there is a general impression current that this interest will increase. It is understood that Sir Henry will be entertained at luncheon by the Board of Trade and that he will give an address on that occasion. Should he do so, it is hoped he will have some announcements of local interest to make.

While everyone recognizes the great work that Sir Henry Thornton has done for Canada in connection with the railway, Prince Rupert will judge him largely by what he accomplishes for this section of the railway. A chain is judged by its weakest link and so to some extent is a railway. We judge the C. N. R. by what we see here. If this end is inactive we judge that there is something wrong with the management, at any rate to that extent.

EXPERIMENTAL RESEARCHES AT LOCAL STATION

D. B. Finn Reports on Work Being Done at Prince Rupert

Three progress reports have been issued in connection with the work being done by the biological board on the Pacific coast of Canada. These are printed in pamphlet form and are being distributed. In the first of these, D. B. Finn, director of the fisheries experimental station at Prince Rupert, gives an outline of the work being done there, as follows:

Refrigeration

1. An examination of the chemical changes which occur in fish during cold storage; (a) a study of the changes which occur in oils and fats; (b) a study of the effect of low temperatures upon fish proteins.

2. A study of the chemical changes which occur in fish oils during "rusting."

3. An examination of the effect of storing frozen fish in various cases.

These investigations are all concerned with the storage of frozen fish, a field which is urgently in need of research, since very little is known about the causes of the deterioration which frozen fish suffers ordinarily during cold storage.

By-products

The work on by-products has been carried on in three directions: fish oils, fish meals and the production of fish glues.

The work on oils includes:

1. A study of the physical and chemical characteristics of pilchard, salmon, herring and dogfish oils.

2. An investigation as to the possibility of using fish oils in paints; (a) the bodying of fish oils by heat and blowing; (b) the character of paint films prepared from pilchard oil.

This work is producing very promising results. Paints manu-

factured in this laboratory are now being tested in Prince Rupert and Saskatoon, Sask.

3. An investigation of the medicinal properties of fish oils. (a) the vitamin A content of dogfish liver oil; (b) the vitamin D content of dogfish liver oil; (c) the irradiation of dogfish liver oil and the effect on its antirachitic value.

A paper on the vitamin A content of dogfish liver oil has been published, one on the vitamin D content is in the hands of the publishers and the work on irradiation is nearing completion.

The work on fish meals includes:

1. The analysis of fish meals, including a determination of the nitrogen partition and the content of essential amino acids.

2. A study of the effect of putrefaction of raw materials upon fish meals.

3. A study of the effect of various methods of drying upon the analysis and nutritive value of fish meals.

4. The biological value of fish meals.

5. The influence of fish meals upon growth.

The work upon fish glues includes:

1. The analysis of waste press-liquors from fish meal plants.

2. The preparation of glues from fish heads and offal.

3. A study of the influence of various constituents of press-liquors upon fish glues.

This work is being carried on in order to find a way of preventing the great loss of nitrogenous materials which now takes place at every fish meal plant.

Amongst other investigations may be mentioned:

An examination of the cause of the discoloration of halibut in the holds of fishing vessels. The discoloration has been found to be caused by a certain bacterium pseudomonas fluorescens. The method for the prevention of this discoloration by killing the bacteria has been found and will be applied during the coming year. This research will result in saving large sums of money for the industry and at the same time improve the quality of iced halibut.

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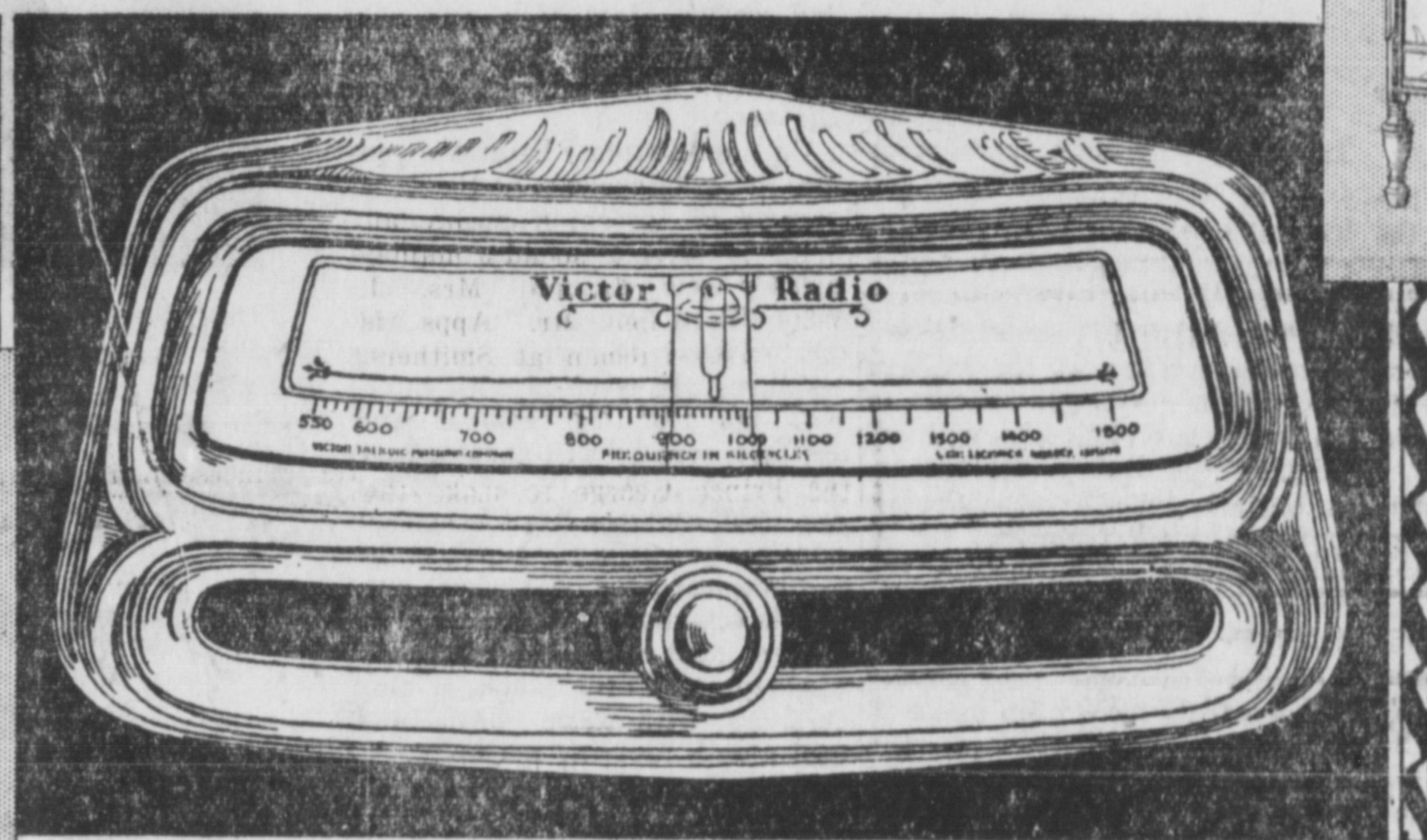
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VICTOR RADIO RECEIVERS

SKIDEGATE

Ray Sharpe, log broker, returned from the west coast yesterday and reports logging operations going on splendidly there.

Captain J. G. Gillatt of Murgil Farm at Sandspit made a brief call at Queen Charlotte City this week in his motor yacht.

Captain J. Haan jr, of the trol-

ler Ila, returned from the west coast this week. The Ila is high boat of the Queen Charlotte Islands' trolling fleet for the sea-

A son was born August 12 at the Queen Charlotte City General Hospital to Mr. and Mrs. Fred Atkins.

A large number of guests have

been staying at Madam Rajout's hotel at Tlell this summer, the beautiful place having developed into an up-to-date summer resort.

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