lapping Largest Hydro Source Could Unleash Mineral Giant

BY LARRY STANWOOD

British Columbia's northland is stirring and the key to its strongbox of untold wealth lies in harnessing what is believed to be the greatest hydro petential in the world.

But start on development of Atlin Lake-Yukon River watershed-estimated to hold a tential of 5,000,000 to 20,000. 000 horsepower-may be mired down for years unless a satisactory outcome is reached soon a dramatic power play now

Jockeying for the favor of two governments and the right to rouse the sleeping northland power Titan are two of North America's biggest metallurgical interests, the Aluminum Company of America, and Frobisher a Canadian company backed by wealthy, mine-holdng Ventures Limited.

Each is negotiating with the Canadian and British Columbia governments; each is trying to outbid the other with proposals of projects ranging from \$600,-0000,000 to more than a billion

Two governments are involved because part of the watershed n question lies in the Yukon, whose resources are controlled the Canadian government, nd part lies in B.C., over which the provincial government exercises control.

The present high-level poker game developed when a proposal by Alcoa to create a large reservoir in northern B.C. and stated that investigation had While Tulsequah is just with and smelting costs which a project of Skagway, Alaska, was projects.

by Frobisher Ltd. proposing a went up once more.

HINERAL CENTRE

chain of smelters in B.C. near OTHER PLAN idewater to form the greatest nineral-metal centre in the

the offer by the Canadian firm

It is believed now that negoti- complete the rservoir. tions are underway to seek a the power resource.

LCOA FIRST

on, of a great power potential plete the project. northwestern Canada.

orld War II, showed, only potty hydro resources in that rea. Present methods of haressing large watersheds were ien unknown to government ifficials.

rilling a 10-mile tunnel through ect. e mountains to tidewater.

wer end of Bennett Lake would deep-sea ships. p this reservoir, emptying into PANHANDLE BARRIER iya River in Alaska. Power 20 miles.

the Yukon and Atlin areas about 300 miles south of the omical. aring the fabulous gold rush power reservoir. '98. It is still the gateway Skagway railroad.

FFER REJECTED

While Alcoa announcement in e summer of 1952 caused a

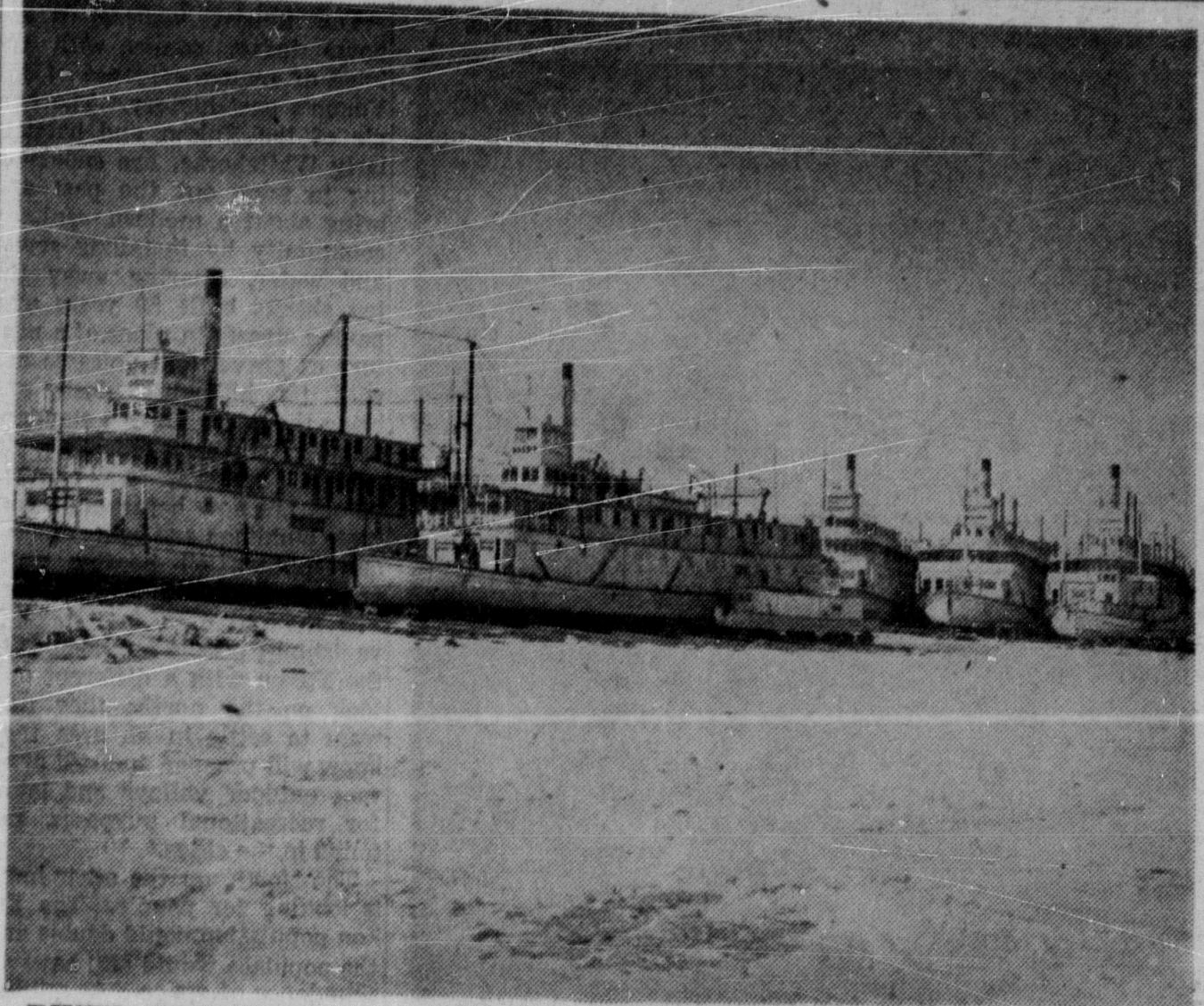
On December 17, the Canaan government made its stand Canada.

helter located in Alaska would Limited. able to ship its product into S., without tariff.

Alcan at Kitimat, B.C., dependt to a large extent on the merican market, would have Alcoa to use Canada's im- miles. ense hydro potential to under- OIL EXPLORATION Alcan in the American mar-

a government spokesman able to occurrence of oil and area.

Like a slumbering giant, Northland Empire Edition, June 30, 1954, Page 23



RIVER STEAMERS, once the main. form of transportation in the Yukon, no longer ply the mighty river to Dawson City and Mayo Landing. Good roads and heavy trucks now take the place of these wood-burning paddle-

wheelers which have been relegated to decay and crumble on the beach. This fleet of stately river queens is owned by the British Yukon Navigation Co. Ltd., which today uses trucks and buses instead.

On the heels of this proposal which invited Alcan officials for a great rate each year.

orthern B.C., making use of the one of the largest survey parties for all but small, flat-bottomed same watershed, but to a much to enter the north to investigate river boats to reach Tulsequah. arger extent than proposed by the Atlin Lake watershed. As Successful dredging would mean a result, a tentative project was creating a 25-mile channel to outlined by company president deep water. The Frobisher project called Thayer Lindsley at a stock- Only other probability in using

had rejected Alcoa's request for at its southern tip to Sloco Lake, federal government. only 100 or so feet higher in elevation. Sloco River, which should the problem at Tulsequah

Initial stage of generating Observatory Inlet. olan whereby both companies 100,000 horsepower would be would enter a joint development accomplished by a nine-mile tun- JOINT PROJECT nel dropping from the 2,300-foot Both are deep-sea ports and bered in planning the develop-

Smelters, built at tidewater A post-war survey completed - possibly at Tulsequah the Canadian government about 35 miles from the power fter it was launched as a joint site, would form the nucleus S. Canada project during of the greatest metallurgical centre in the world, capable of treating many types of ores mined in world-wide Ventures'

Other dams to increase reservoir capacity would prob-Alcoa's plan approximates the ably have to be constructed. ue-print followed by its Cana- The entire project, estimated an rival—Aluminum Company to be capable of developing up Canada Limited-at Kitimat, to 5,000,000 and more horse-.C., which has dammed up a power and costing more than uge reservoir east of the Coast a billion dollars, would dwarf ountain range, then created a either Alcoa's proposal or 000-foot head of pressure by Alcan's Kitimat-Kemano proj-

The American company's plan the Frobisher plan for which two proposals has been out. Of Human Pulse as to dam the Yukon River no remedy has yet been pro- spokenly critical or highly optihich flows into Alaska and posed. It concerns the Alaska mistic. impties into the north Pacific, Panhandle barrier to the apacking it up to combine Atlin, proaches of the Taku River and ecutive and now president of linked with the moon—a variathe inaccessibility of Tulsequah, the Whitehorse Chamber of tion in the human pulse rate. A 19-mile tunnel from the the proposed smelter site, by Mines, says:

ould be transmitted to the The Alaska Panhandle is a ect than from any other devel- radiation effects which until renelter at Skagway, a distance strip of coastline running from opment. We have tremendous cently have been little underthe main body of Alaska to ore reserves, more and more are stood. Skagway, a deep-sea port near within 50 miles of Prince Rupert, proven every year, but because According to Dr. Charles G. te top end of the Alaskan Pan- B.C. It leaves Canada without of distance to smelters, low Abbott, physicist and former andle, provided initial access a free port north of Stewart, grade ore mining is not econ- secretary of the Smithsonian

the Yukon to power a \$600, shown the power resource could in the Alaska-B.C. border, it nearby hydro project would 000,000 aluminum smelting be used by future Canadian remains within a 25-mile reach offer, mining in the Yukon

for a power development in holders' meeting in Toronto that several stages and in location of startled the business world.

The development in holders' meeting in Toronto that ada to obtain certain rights give the greatest benefit to the ada to obtain certain rights. from the U.S. for use of the Panhandle "corridor" to the Power would be developed by Taku. Such a request, proposed damming the outlet of huge by B.C. Boards of Trade and the Lake Atlin and reversing its B.C.-Yukon Chamber of Mines, After the federal government flow through a mile-long tunnel has been shrugged off by the

Alternative smelter sitesernment wanted to hear from into the Taku River and on to might be either Stewart, at the tidewater, would be dammed to head of Portland Canal, or Alice Arm, at the extreme end

level of Sloco Lake to create a clear of the Panhandle barrier, ment of the water power re-Alcoa first received permis- 1,000-foot head. Second and but are some 300 miles south of sources in B.C. . . . on for a survey of the Atlin- third generator stations, estab- the power potential. Such a ukon region in 1949, results of lished by extending the tunnel project would require transmisthich gave the original indica- to near sea level, would com- sion lines to be constructed over tough, mountainous terrain and the distance would account for high voltage losses.

It is for these reasons that current negotiations over a joint undertaking by the two companies have evolved. In exchange for a permit to export hydro power from Canada, Alcoa would provide a firm block of generated power for Canadian users.

Such a deal, the B.C. government has indicated, would large-scale development of the vast hydro potential; would fire the long-awaited opening industry. guns of a northern mineral

But there is one main flaw in Other official reaction to the Sun Affects Rate

and exit of the Yukon and ter-Conwest Takes Active Part In Northern Explorations

such speculation in the small northern British Columbia and tional permit areas acquired But if it weren't for laskan town, the excitement in the Yukon is Conwest Ex- during the year. ploration Company Limited.

But besides carrying out a ar and firm. No deal would prospecting, exploration and demade with the U.S. firm for velopment program, Conwest is port of water power outside a major shareholder in such recent developments as United One important objection to Keno Hill Mines Limited and The concessions have been

e world's biggest market, the concessions to explore for oil FUORSPAR FIND and natural gas on two parcels of land located on the Eagle Plain and the Peel Plateau in plans to investigate a "very the Northwest and Yukon Terri- promising fluorspar property" pay the tariff and federal tories, each parcel comprising in northern B.C. to determine jections were against allow. approximately 5,000 square

"The area is believed to be miles south and east of Whiteunderlain by formations favor- horse, Y.T., in the Smith River

been very encouraging and further geological work is planned for the summer of 1954," F. M. Connell, president, reported earlier this year.

coa was that an aluminum Cassiar Asbestos Corporation assigned to the Peel Plateau Exploration Limited, incorpor-The company recently secured ated for their exploration.

Also this summer, Conwest extent of the deposit and commercial possibilities. The deposit is located two miles from the Alaska Highway, about 400

of deep-water ships. The Taku would be subject to such stimuspurned by the federal govern- But no such flat rejection came River, which it borders, is fed lation which would make anyfrom the B.C. government, by a glacier and keeps silting at thing in the past look like peacame announcement of a plan negotiations, and Alcoa's hopes What's more, the Taku River RESOURCES FOR B.C. gigantic metallurgical centre in Meanwhile, Frobisher Ltd. sent sandbars, making it impossible Legislature for Atlin constitu-

ency, which contains the main portion of the huge power resource, says:

"Any plan for these resources must be of such a nature as to return to the people whose natural heritage these resources basically are.

"B.C. must be careful to see that any development of northern water power will aid in provincial development and not only in establishing industry outside our borders."

In an editorial, the B.C.-published Western Business and Industry magazine, says that "it is not for this generation to alienate the assets and opportunities of the next in Canada. Particularly is this to be remem-

"If we allow ourselves to be tempted by quicker returns, faster cash in hand from United States offers, but an unalterable long-term deal that will cost us tragically much in the future, then we shall be poor stewards in our

"History will be not more impressed with us than it is with the vision of the angry men who opposed the purchase of Alaska, greatest real estate bargain all history."

Meanwhile, the B.C.-Yukon hydro giant remains the most prominent single potential that meet with its approval; would may spark the inevitable dilaprovide for almost immediate, tion of Canada's far northwest from a near-primitive, forgotten frontier to a churning empire of

A scientist attributes to the A former Yukon mining ex. sun what romanticists have long

The sun, which governs all "The Yukon stands to gain life on this planet, produces

Institution, these effects have a "With reduced transportation "definite statistical relationship" to variation in the human pulse

The solar cycle has a regular bearing on weather and temperature changes. Spots on the sun which have been noted for centuries now herald broadcast One of the most active in ex- natural gas. An extensive interference to radio engineers ajor real estate boom and ploring mineral deposits in far geological survey was carried and warn navigators of mag-But if it weren't for these life-

giving rays, the earth would be "The results to date have a frozen ball hurtling through Payroll for 1949 in the Prince

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approximately half of the 1953

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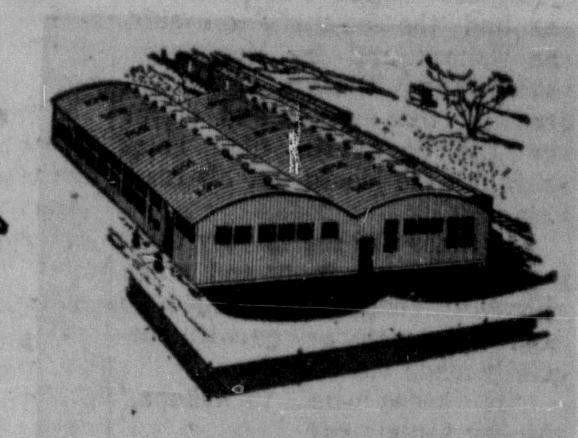
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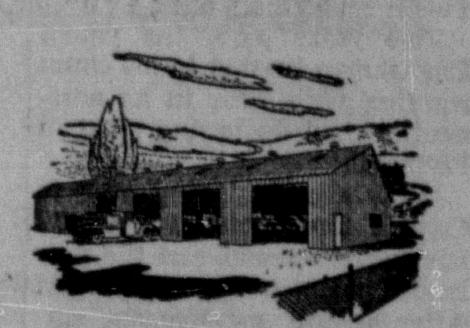
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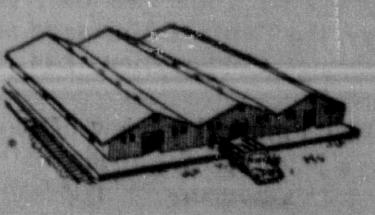
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