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#### Canada Explores Vast Interior and Taxies to Gold Fields by Air

Hudson Straits Sea Route Found Navigable Into December-Indians Get Their Treaty Money by Plane -Forests Protected and Maps Made

continental railway lines the land is to have too fast a current for freezpractically unexplored. Indians, a few ing over, and were entirely free of white trappers and here and there ice up to December 10. That is as mining camps, constitute the only in- lon gas the Great Lakes, nearly 1500 habitants of the great mineralized miles farther south are open. On area surrounding the Hudson Bay. that day in December a huge ice pan, This territory the airplane is now floating down from Fox Channel,

planes, with two pilots, two surveyor ern mainland. navigators, two photographer mechanics, a photographic officer, and a cook, as well as a fully equipped outfit, provisions, spare parts, cam- proven of value to Canada. It has eras, etc., came down out of a clear shown that it will be feasible to ship sky one day toward the middle of wheat from the West via the Hudson September, when the foliage of tim- Bay and Hudson Straits immediately ber far below was in colorful hue, after the harvest. And this season The two ships landed gracefully on results will show for how long a Cormorant Lake, on the Hudson Bay period the Straits are open: whether Railway, north of Lake Winnipeg, they will be navigable from April 15 Within three weeks they had com- to December, just as the Great Lakes. pleted an oblique photographic and To-day the question of efectric forest type survey of 24,000 square power is one of vital interest. It.

used chiefly in remote regions. Forest tario and Quebec that there is an fire prevention and reconnaissance abundance of water power awaiting service; photography of areas as yet those who care to harness it. Many regions to determine the nature of north, and by means of airplanes, timber growth; surveying of power sometimes those of the Government, sites; transportation of supplies to have surveyed and photographed remote districts-these are some of power sites, at which they are buildthe uses of the airplane in the Do; ing huge dams and power houses for

est fires are most menacing. Sea- agents set out for a trip lasting sev- equipped with camp, food and min-

North of the two Canadian trans- | have been found by the air patrol blocked the entrance to the Straits Two Viking Canadian-made sea- from Nottingham Island to the north-

Shipping Wheat After Harvest

Here again then, the airplane has

has been discovered on the surveys The airplane in Canada has been and forestry patrols in northern On-

than 165,000,000 acres of virgin forest living in northern Manitoba and welcome the voyagers of the air. under constant surveillance in the around James Bay is now done by summer and late autumn when for airplane. No longer do the Indian mote places prospecting parties fully



FIVE MILES A MINUTE D'Arcy Greig of the Royal Flying Corps, who attained a speed of 300 of Alaska, and the big brown grizzly The position of the Montclaire at miles an hour in a flying-boat trial flight.

making ideal landing fields.

Flying Boats

The Ontario Provincial Air Force operates 22 seaplanes. Twelve of these are large H. S. 2L flying boats. used principally to transport men and equipment to the scene of a fire. The other 10 planes are light De Haviland Moth scout seaplanes, used in detecting work.

made. Formerly these were done promised them 50 or more years ago. under the most hazardous conditions. Canoe was the only means of getting into the country, each of the innumerable lakes had to be circled, portages had to be made, carrying camp equipment and instruments. To-day, fields of Red Lake in northern Onthe airmar flies 5000 feet high above the region he is to photograph, the photographer takes pictures so that when placed together they form a mosaic which allows the draftsman accurately to draw his maps, and trained men record the type of forest growth and physical features.

Studied Sea Route

For many years a new sea route plane did the trip in a little better connecting the Canadian West has than an hour, even the old machines been advocated via the Hudson Bay making it in two hours. They chargand Hudson Straits to the Atlantic ed \$200 a passenger, and carried in Ocean. A railway was partly con- the season alone nearly 500 passengstructed to Port Nelson. It is being ers and about 11 tons of freight at \$1 run to Fort Churchill, both points on a pound. the Hudson Bay in Manitoba territory. Another gold field in Quebec, open From the latter the grain freighters ed about the same time, called for an

Straits were frozen solid most of the ried 576 passengers, 12 tons of year, or otherwise were so blockaded freight and 4000 letters in 146 hiurs with icebergs as to be navigable for flying time, before a railway was run only a short time. To discover at into Rouyn. first hand just what the conditions Better machines in the field were are on this new route to Europe, a seen in 1927, and a cut in prices, thus fleet of seven planes, with pilots, more business. One company, Westmechanics, radio operators, housing ern Canada Airways, which also ran materials and supplies to last for 18 planes into the newly discovered months was sent north last summer mining areas of northern Manitoba, by the Canadian Government. And and in addition did some special daily, for the past year, the towering transportation work, carried 100 pascliffs and the snowbound regions just sengers in 1927, transported 145 tons below the Arctic Circle, have wit- of freight and express and flew a nessed the passage of six Fokker total of 154,000 miles. planes and one light De Havlland With these facts to base their

Moth scout plane. the Hudson Bay, where it joing the tors and supplies to possible loca-

planes are used throughout. The eral months to pay to the first in- advancing array of live stock raisers County Donegal. The light was too country which these airmen watch habitants of Canada their rightful who are about tok pre-empt the haunts far to the southwest for the observers over abounds in lakes and rivers treaty money No longer is canoe of bruin in the Western islands. Es- to be sure as to its nature. after canoe packed with camp equipment and provisions to last such a much of which is taken up under graz- From this position and the time of trip. Now the natives of the coun-

try see a graceful bird far above their leads gradually come closer, and the roar of engines tells them it is the white man with their annual heritage. Now the seaplanes of the forestry service come swooping down each autumn on lakes and rivers, hun-Photography and sketch work is dreds of miles beyond the railway being carried out in these same lit- and civilization, to bring the Indians

It was these government air services that showed commercial interests the vast use to which the plane could be put in the northland. With the rush to the newly discovered gold tario in the spring of 1926, three commercial air transport companies went in. One hundred and twenty miles separated the gold strike from Hudson, the nearest railway point. It took something like a week or 10 days to get in through the snow and sprine ush by dog team and a -foot. Canoes were impossible. The air-

air service from Haileybury, Ont., to It was believed that the Hudson Rouyn, Que. One flying boat car-

theories on two mining companies Working from three bases, one at this year formed air fleets with Nottingham Island, in the mouth c. which to convey their own prospectraits; another halfway to the At- tions. Both have their headquarters lantic on Quebec territory, and the in Toronto, their bases at The Pas third at the northern extremity of Manitoba, and at Hudson, Ontario.

CATTERIAL AND THE WAY OF THE PROPERTY OF SEMESTAL MEDICAL SECTION OF THE PARTY OF T

Leviathan of the Clouds Reaches La kehurst Goal After 6,000-Mile Flight



THRONGS CHEER GRAF ZEPPELIN ON ARRIVAL AFTER LONG OCEAN COYAGE

the transmission of power to more Flying smoothly despite a badly torn navigating fin, the giant dirigible Graf Zeppelin dipped to earth at Lakehurst, New Jersey, at 5.30 Monday (Oct. 15th) afternoon, ending the longest non-stop flight in the world's history. The leviathan of the clouds, with 20 passengers and a crew of 40 conjunction with the Ontario Pro- The time-honored custom of paying aboard had been 1111/2 hours in the air since leaving Thursday (Oct. 11th), and had covered approximately 6,000 miles in its efforts to avoid storm vincial Air Force have kept more treaty money to the Indian tribes zones on the Atlantic. The picture is a striking photograph of the dirigible taken as it passed over New York where whistles blew and flags flew to

ing necessities to investigate pos-

That area which is known as the Great Pre-Cambrian Shield, covering heavily mineralized, although only a tenth of it has as yet been touched and more than half not yet explored will be rapidly developed by the use of the airplane. In fact, authorities on mining state that with the use of the airplane, the Canadian prospectte past 50 years .- By J. M. in The Christian Science Monitor.

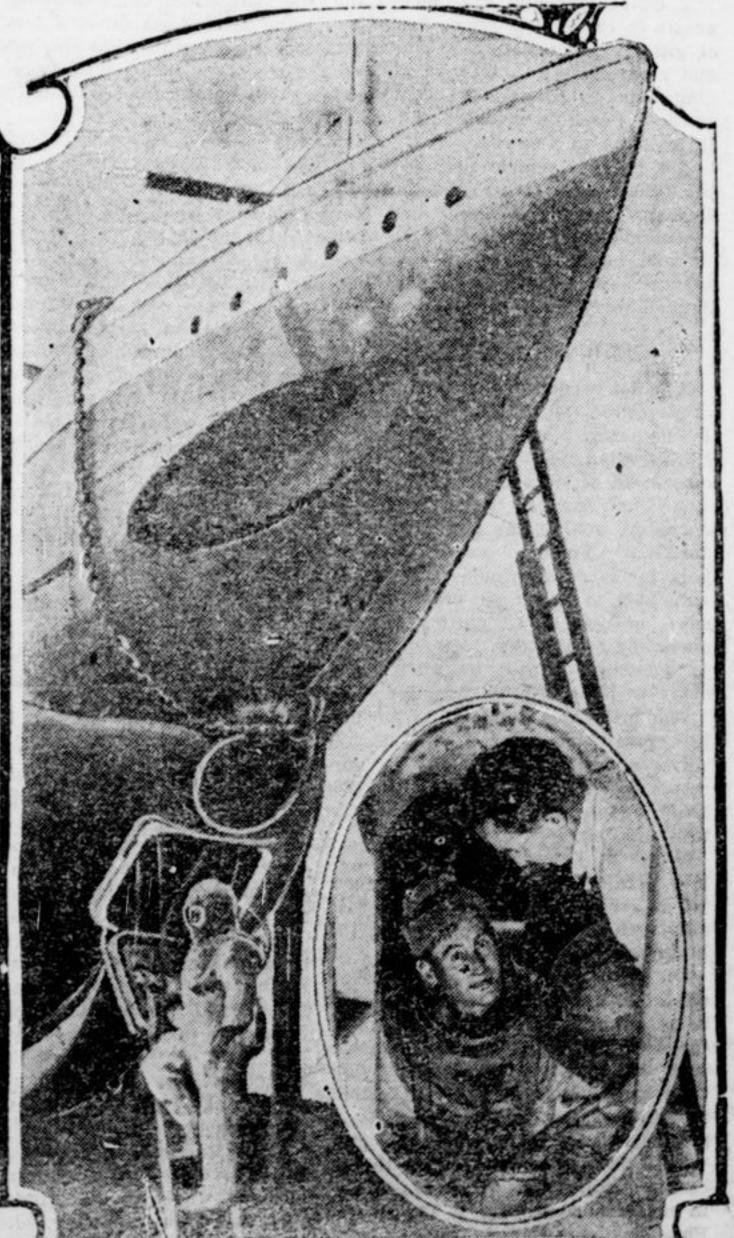
Stock Farms Will Oust

Light Indicates MacDonald Fell

ing Object Drop Into Sea 150 Miles Off Irish Coast

London .- The possibility that Lieutenant Commander M. C. Mactor should be able to do more in the Donald, young Briton who was atnext five years than he has done in tempting to fly from Newfoundland to England, perished when only 150 miles from the Irish coast was indicated by passengers and crew of the Canadian Pacific liner Montclaire, which arrived in Liverpool Sunday. Brown Bears in Alaska They said that at 6.15 p.m., Thursday, Anchorage, Alaska.-Civilization is they had seen "a light drop from the reaching toward the wide-open spaces sky leaving a trail of flame behind it." bear, which furnishes amusement for the time was 150 miles west of Tory hunters, must give way before an Island, off the northwest coast of

ing and homestead lease applications. the incident the Montclare passengers About 600 families will live there with- may well have witnessed the ending of in a few years. When it comes to a MacDonald's single-handed attempt to question of a bear or a sheep taking cross the Atlantic in a light plane. up room on Kodiak Island, the pros- On the other hand, there is the report pective farmers are for the sheep. of a somewhat similar occurrence—the



west. in a daily patrol of 1200 miles, are showing possibilities; flying these and it appears I was engaged to him the Straits are from 50 to 100 miles, men in comfortable, heated cabin one here takes his bath privately."

In width and 450 miles long. They will transport to re-A NEW SALVAGE CRAFT FOR UNDERSEA RESCUES

sighting of "a light resembling an explosion"-from the steamer Mirach, which was several hundred miles fur- a word you say." Helen: "I wasn't ther west, at 11.30 o'clock Wednesday speaking to you, Mummy." Close to Goal night. MacDonald's plane might have been at either of the two places at the

times mentioned. He took off from nesday noon.

which investigation has shown to be Liner Passengers Saw Flam- Harbor Grace, Newfoundland, Wed- ed what he would do if he had mine." cities to which there are regular daily

Mother (at bedtime): "Don't mum

ble your prayers, Helen. I can't hear



EARL IS BRIDEGROOM

The Earl of Bective, heir to Marquis of Headfort, was married at Brompton Oratory to Lady Clarke, widow of Sir Rupert Clarke of Melbourne. Cold Claimed Three Tests Show Eskimos

Scion of Titled English Family and Two Companions Gave Up Hope Near Thelon River

Winnipeg.-The bodies of three men, believed to be those of Jack two companions were

peg by a party of prospectors who the scientific editors of The London arrived at The Pas, Man., by airplane Morning Post, he said: from Fort Churchill, terminal of the "I found that the Indians were sui twenty years, who, traveling by canoe account. down the Thelon River, found the "The method of blood testing con-

the wilds of northern Alberta, later they felt much better for it! amassing a fortune at Edmonton, "Among the Indians I tested were motorists of Canada, Dr. P. E. Doo-Alta. Prior to the fatal journey into men and children from half a dozen little, of Toronto, has been elected the Arctic region, he had gone from different tribes, with such picturesque president of the Canadian Automobile Chesterfield Inlet, on Hudson Bay, names as Dogribs, Yellow Knives, Association, at the closing session of and was considered a resourceful tra- Hairskins and Loucheux. Some of the fifteenth annual convention at

Lack of provisions is believed to be the test. the reason for his failure to return . "The results were unexpected. The a scene representing the Trans-Canada from the northern wilds on his last Indian tribes gave results similar to Highway, of which Mr. Doolittle has tour of exploration. Weak from hun- those that have been recorded for been a strong advocate for many ger and numbed by the intense cold, other Indian tribes of North America, years. This will be the doctor's ninth the three men are believed to have while those of the Eskimos resembled consecutive term as president. collapsed, folded themselves in their results that have been obtained from W. D. Robertson, of Toronto, was blankets and perished.

# Not of Indian Blood motorists to remember that the fol-

English Explorer Reveals Re- Run a solution of washing soda lationship With Manchurians as Result of Analysis

Hornby, scion of a titled English fam- Professor R. Ruggles Gates of When the water runs clear the radiily and noted Arctic explorer, and two King's College, London University, ator and cooling system are clean, companions, who have been missing has just returned to England after a Carefully check radiator, water jacyears, have been found in the barren four months' exploration along the ket, pump, hose and other connections lands along the shore of the Thelon Mackenzie River, going as far north for leaks. Be sure drain cocks are River. It is not known who Hornby's as latitude 70, where he made blood grease cups and pump glands, expantests among the Eskimos and Indians, slon plates, hose and pump connec-Such is the story bracht to Winni- In talking over his expedition with tions of the cooling system,

Hudson Bay Railway. The discovery, fering from the most serious epidemic they relate, was made by the first of influenza they have ever had. This party of prospectors to penetrate this might have complicated matters had I particular region in the Far North in not been able to turn it to a good

frozen bodies wrapped in blankets and sists in taking a drop of blood from the ear, and as the Indians seemed The discovery brings to a close a to think that the test was in the search which has been in progress for nature of a cure for influenza, I had Silver Emblem Is Presented to over two years. Hornby, after coming little difficulty in performing it. In to Canada, passed his early days in fact, many of them confessed that

the children traveled 1,000 miles for Winnipeg. He also was presented

Manchurlans and Chinese,

"From these, one could draw the tentative conclusion that the Eskimos "How do you mean you make a faux "Can I have a private bath?", "Yes, could not have descended, as has been pas' last night, John?" "Well, I told

### France Makes Le Bourget Hub of Airship System

Continent's Main Terminal, Alive With Planes, Was Pasture in Pre-War Days

Sky Travel Loses Novelty

Radio Reports Movements of all Craft En Route

Le Bourget, France.-A cow pasture when the war began, the aviation field at Le Bourget, has become the Grand Central terminal of the air in little more than ten years,

Its development and its fame and popularity belong to the great business romances of this fast-moving In immensity, completeness, comfort and efficiency, the airdrome just outside Paris combines many of the facilities of a great station and a great port,

In fact, the officials who govern the arrival and departure of the planeswhich often come and go at the rate of a dozen or so an hour-remind one who asks about their field that it is "both a station and a port." Planes arrive not only from almost all of the capitals of the Continent, connected with Paris by rail, but they also come from overseas-from Africa, ladia, England, And one was resettable night ,the silvery ship bearing Lindbergh slipped down on the grass of Le Bourget, thirty-three and one-half hours out of New York,

Le Bourget has also witnessed the arrival of America's Round-the-World flyers of 1924, the departure of Costes and LeBrix for South America last autumn, and before that the tragic farewell of Nungesser and Coli, when they set out for New York. In the near future it is sure to see many more planes sail away for the new world, and no doubt the day will come when New York will take its place on the bulletin board along with London, income?" "No; but I've often wonder- Berlin, Copenhagen and the other

Travelling by air is no longer looked on as a novel experience or a sport, and an hour at Le Bourget will reveal what an efficient workaday means of transport the airplane has become, The planes leave with the regularity of trains, on schedule, except when the weather is exceptionally bad.

The position of all the big planes equipped with wireless, which fly between Paris and other capitals, is known at Le Bourget every moment they are in the air. Where the railway dispatcher uses the telegraph, Le Bourget employs the wireless telephone.

It was as a military establishment that Le Bourget got its fledgling wings. That was during the war. Aviators were trained there and it was from there that French pilots took the air to chase away the Germans flying towards Paris.

### Have Engine Ready for Strain of Frost

Precautions Needed to Prevent Injury by Unexpected Chill

With frost nipping here and there at pensive repairs.

through the radiator and cooling system while the motor is running for a period of at least ten minutes. Then flush with clear water to drain off the scale and rust that have collected,

After this procedure alcohol and other anti-freeze solution may be added and when freezing temperatures arrive there will be no regrets registered by the motorists.

## Canadian Autoists Honor President

Dr. P. E. Doolittle

In recognition of his services to the with a shield of silver, which contains

re-elected secretary-treasurer.