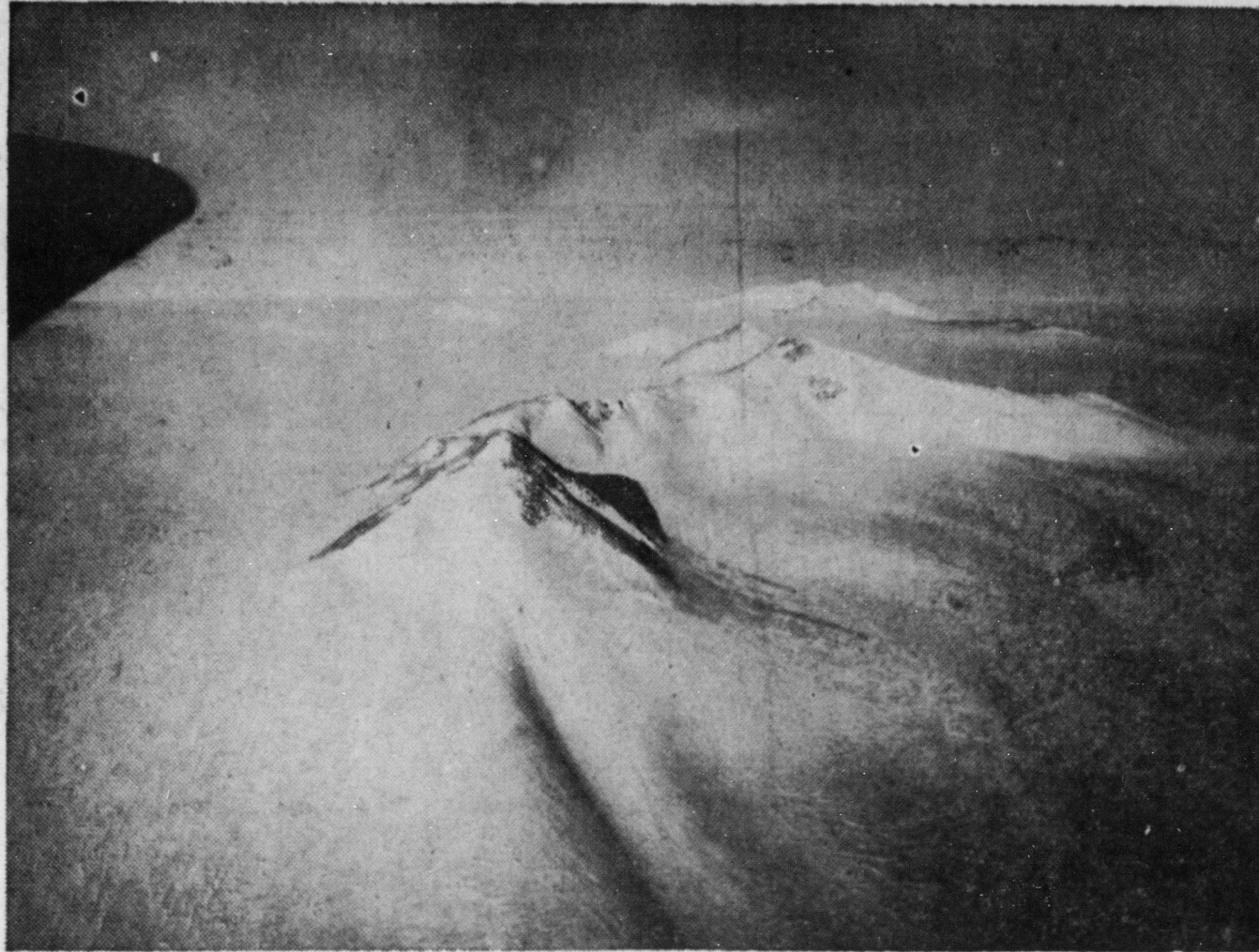


CONQUERING THE POLES



Man Pushes Closer to Heart of 'Weather's Kitchen,' Seeking Short Cut Route Over Top of the World; Russians Pioneer Arctic

By JOSEPH W. LaBINE

In 1909 courageous Robert E. Peary trudged to the North Pole. The world praised his conquest of the Arctic but with the same breath questioned: "What good is it?"

That cynical attitude persisted until last May when a group of intrepid Russian scientists and aviators began the most thorough examination of Arctic wastes yet attempted by men, braving untold hardships to gather data about the weather's "kitchen."

Suddenly the whole world has become aware of the potential value that lies within the Arctic and Antarctic circles. As Russia goes to work, the United States looks with renewed interest to Alaska, her own far north province. In Canada, British Columbia seeks to extend her domain to the North Pole. In Great Britain, scientists are mulling over data gathered by the British Graham land expedition to the Antarctic.

Many reasons justify this sudden interest. The fabled northwest passage which Henry Hudson sought may yet be found in the Arctic sea. Aviation progress has made practical such long sustained flights as the two Moscow-California hops last summer. Moreover, who knows what valuable mineral deposits lie beneath the crust of ice and snow that covers Arctic lands?

Antarctic Land Discovered.

In the Antarctic, the recent British expedition discovered that Graham land is not an archipelago of islands as previously reported by Sir Hubert Wilkins, but one great tract of land—a peninsula of the Antarctic continent. Thus an immense tract has been added to the earth's known surface.

But it is the North pole which commands most interest because of its proximity to North America, Europe and Asia—a potential shortcut across the top of the world.

The Soviet's best scientists are now living in some 60 weather stations along the Arctic coast, helping push back the frontier and open the sea to ships—at least in summer.

Their observations are now supplemented by those of the ice-floe expedition, four scientists who landed near the pole last May and have since drifted slowly southward, to be picked up recently off the coast of Greenland.

Submarines Enter Picture.

Moscow has announced that eventually it will establish a series of weather observatories and landing fields along the proposed polar airway between Russia and the United States. From these vantage points the Soviet will study geography of the Arctic with airplanes, while submarines dive under the ice crust to

explore the frigid seas below.

Dr. Ruth Gruber, an American newspaper correspondent, recently visited the Siberian north which formerly existed only as a home of living death for Czarist political prisoners. Even today the Stalinist government is probably using part of Siberia as a prison for victims of its atrocious purges, but Dr. Gruber found other portions of this vast expanse buzzing with industry.

America has been slow to appreciate the possibilities of Alaska. Her first concrete step was the removal of farmers from sub-marginal American lands to more fertile

Alaskan soil several years ago. But she has done little more.

Today, when airways span every continent, there is still no regularly scheduled line between the United States and Alaska, although the Alaskans themselves are more air-minded than their brothers in the states. Last year more than 20,000 residents of the territory made trips by air—almost one-fourth of the entire population! Alaskans realize their territory can be conquered for year-around exploitation only by air.

Private Radio Stations.

In the entire territory there are 21 private radio stations, of which Pacific Alaska Airways (a Pan-American subsidiary) maintains 13, used solely for weather reporting to supplement the present totally insufficient federal service. The United States bureau of air commerce will soon establish modern radio stations at Juneau and Fairbanks, which is the first step in helping conquer America's portion of the frozen north.

Meanwhile, to the immediate east, British Columbia is suffering from growing pains and Premier T. D. Pattullo wants to push its borders to the North pole. Contingent upon agreement with the dominion government, the annexation would include all of Yukon territory and part of Mackenzie, including half the radium-producing Great Bear lake.

Such a territory would give British



ABOVE—Captain Amundsen taking observations with a sextant as his Norwegian flag flies at the point determined upon as the exact South Pole. This remarkable photo was taken December 14, 1911, the date Amundsen reached the pole.

BELOW—Every iceberg that menaces shipping in the northern seas was once part of the mighty Polar ice cap, which has drifted southward with so many exploration parties, including the recent Russian expedition under Commander Panapin.

Columbia rich potential mineral sources, plus wealth in water power, fishing, agriculture, fur farming and lumbering.

In a few months the entire world may know what Commander Panapin and his companions discovered on their recent expedition, although the Soviet may elect to keep its information secret.

Gulf Stream at Work.

It is already known that they found a layer of warm water near the North pole, caused by meanderings of the tepid Gulf stream. And, despite the general belief that the Arctic is devoid of life, they had frequent animal visitors.

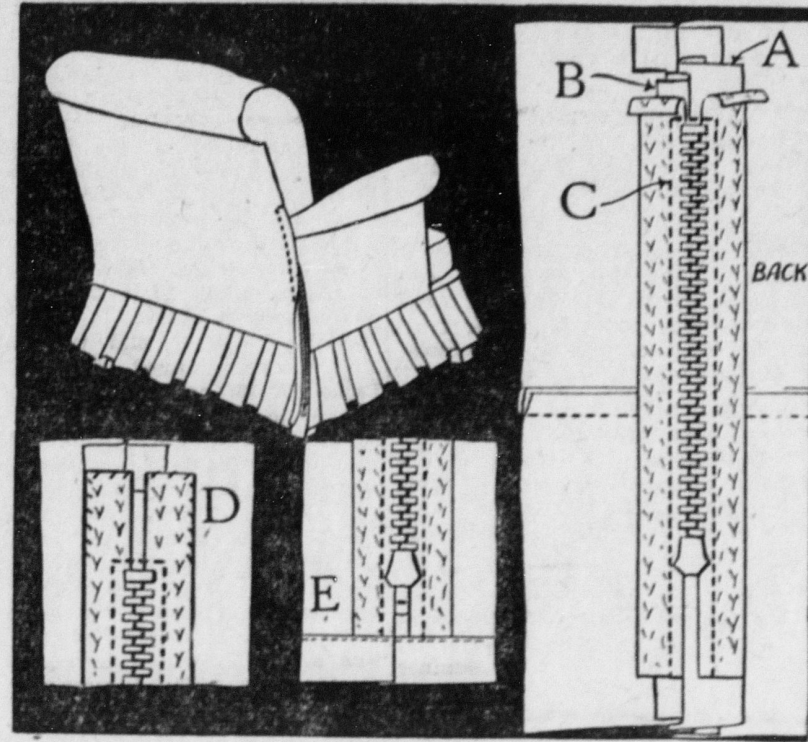
Many obstacles must be overcome before commercial air routes can be mapped over the Arctic, although aviators used to northern flights claim the atmosphere is much clearer and more favorable for flying than in temperate zones. The biggest aviation obstacle is impracticability of compass devices based on the sun, since the Arctic has no sun part of the year.

But the day may come when Londoners bound for San Francisco or the Orient can fly with perfect safety and comfort via the short-cut route, over the top of the world.

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HOW TO SEW

by Ruth Wyeth Spears



IF YOU have slip covers made by an interior decorator and you go in for such niceties as slide fasteners or welted or piped seams the bill goes up and up. If you make the covers yourself all these "extras" amount to very little either in time or money. In fact slide fasteners require less time than a closing with snaps.

Plan the closings for a slip cover during the final fitting when the seams have been basted but not stitched. Sometimes one short placket is all that is needed. Again openings must be left at several points so that the cover will slip on easily.

To apply a slide fastener to a seam placket, turn the slip cover inside out and crease the seam open. Cut a facing strip 1 1/4 inches wide and 1 inch longer than the opening. Join the facing strip to the back edge of the opening as shown at A. Slash the front of the seam edge 3/4 inch above the top of the opening and crease it over the back facing as shown at B. When the edges of the opening have been prepared in this way, press the edge creases with a hot iron. Next, baste and stitch the fastener in place as at C sewing close to the metal. The machine cording foot is useful for this purpose. Do not trim away the tape at the ends of the fastener. Whip the upper ends down as at D, and cover the lower ones with the hem as at E.

NOTE: If you are making new slip covers or curtains or doing other Spring sewing you will want a copy of Mrs. Spears' book SEWING for the Home Decorator. Forty-eight pages of illustrated directions for making curtains for

every type of room; dressing tables; lampshades, and numerous other articles used daily in the home. Send name and address, enclosing 25 cents (coin preferred) to Mrs. Spears, 210 So. Desplaines St., Chicago, Ill.

Chair Set of Filet Crochet



crochet, the peacocks and roses are pretty "set off" by an open mesh. Practical—lasting—exquisite, the chairback may be repeated and used as scarf ends. They all make splendid gifts. In pattern 5975 you will find complete instructions and charts for making the set and pillow top shown; illustrations of all stitches used; material requirements.

To obtain this pattern send 15 cents in stamps or coins (coins preferred) to The Sewing Circle, 259 W. 14th St., New York City.

Mistake-O-Graph Answers

1. Question mark on banner.
2. Telephone has no receiver.
3. Lower section of bay window is night, upper is daylight.
4. Flower appears in golf bag.
5. Picture of Rover just shows leg and tail.
6. Nail in wall does not support picture.
7. Singer's head appears from speaker of radio.
8. Chair is floating in the air.
9. Mirror on bureau is not attached to supports.
10. Lamp plug is not connected, yet lamp is lit.
11. Cane in bouquet of flowers.
12. Bear rug is growing.
13. Gentleman has evidently forgotten to shave.
14. Bear skin is spotted.
15. Gentleman is wearing odd socks.

"It's Better!"—say Millions about Pepsodent with IRIUM

BOTH Pepsodent Tooth Paste and Powder contain marvelous Irium

• Millions everywhere are singing the praises of Pepsodent containing Irium to get teeth far brighter!
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a cloud will hide the light of the sun. With these ugly surface-stains gone, your teeth reveal the lovely, gleaming radiance they naturally should have!
And Pepsodent with Irium works SAFELY—because it contains NO BLEACH, NO GRIT, NO FUMICE. Try it!

Mistake-O-Graph

All dressed up and no place to go might well be the title of this inspiring scene. The importance of the occasion, we fear, must have warped our artist's mind, for the drawing is full of mistakes. Can you find fifteen? The answers will be found above.