



IONOSPHERIC STATION AT RESOLUTE

—Phillips

An ionospheric station, used to study electro-magnetic effects in the upper atmosphere, at Resolute. A Finnish steam bath may be seen in the left foreground.

and the work which they do in the Arctic merely supplements it. Nearly all the so-called tourists are Arctic enthusiasts; some of them have returned year after year, and, in fact, seem to exist through the winter months in anticipation of the next journey north. Some are hard put to it to explain why they like to come to the Arctic; others will not even admit that they do, but the fact remains that they come back season after season.

The interests of the visiting scientists are strangely varied. Geodesists bearing cases of fragile and complicated equipment travel as far as possible into the unknown to take bearings. With the most accurate available scientific instruments they are trying to determine the precise location of points on the map the location of which may now be known only within a radius of a score of miles. The Canadian Arctic has been thoroughly mapped by aerial photography. This mass of aerial photographs, however, can be of real use only if there are certain accurately determined reference points to make a pattern of the whole photographic survey. It is the job of the geodesists to establish such references. Hence, by pin-pointing only a few widely separated places they are able to give the map makers that vital information necessary to prepare final and accurate maps for tens of thousands of square miles.

Among the most active of the Arctic enthusiasts are the naturalists. One scientist from the Department of Agriculture of Canada flies north thousands of miles each summer in search of Arctic insects. Another, from the National Museum of Canada, is concerned with Arctic flora and fauna. He will astonish the newcomer with his coloured photographs of Arctic flowers of unsurpassed beauty and delicacy. The researches of these zoologists and botanists are by no means academic. Some of the information they gather has a direct bearing on their work in more temperate climates.