

charge).—Currents in the gulf of St. Lawrence, including the Anticosti region, Cabot strait and Northumberland strait. Currents of the southeastern coasts of Newfoundland. Currents in the entrance to the St. Lawrence estuary. Tables of Hourly Directions and Velocity of currents and time of slack water in the Bay of Fundy. Tide Levels and Datum Planes on the Pacific coast of Canada. Tide Levels and Datum Planes in Eastern Canada; giving the levels in 86 harbours and other localities. Tides at the head of the Bay of Fundy, with diagrams. Tidal investigations and results; Arctic Tides, with map. Tides and Tidal Streams; a general description of the various types of tide and the behaviour of currents, with plates. Temperatures and Densities of the waters of Eastern Canada, with maps. *Tide Tables* (issued free of charge). Tide Tables for the Pacific coast. Tide Tables for the Eastern coasts of Canada. Abridged edition for Quebec, Father Point and the St. Lawrence river. Abridged edition for Saint John, N.B., and the Bay of Fundy. Abridged edition for Vancouver and the strait of Georgia.

Charts of the Canadian Hydrographic Office.—(price 25 cents each).—Numerous charts are published of the Atlantic coast and its harbours, Hudson bay and harbours and anchorages, the St. Lawrence river, the Ottawa river, lake Ontario and harbours, lake Erie and harbours, lake Huron and Georgian bay and harbours, lake Superior and harbours, lake of the Woods, lake Winnipeg, Pacific coast and harbours. There are also a number of International Waterways Commission charts, not intended to serve for navigation.

Radiotelegraph Branch.—Maps showing the Radiotelegraph stations in the Dominion of Canada. Postmaster-General's Handbook for Radiotelegraph Operators (Instructions re handling of traffic, etc.). Radiotelegraph Act and regulations issued thereunder. Radio Inductive Interference Bulletin No. 1. Circular letter to Canadian Broadcast listeners re interference from the Regenerative Receiving Set. Official List of Radio Stations in Canada (price 25 cents). Form for "License to use Radio".

Mines.—The scientific and investigatory work of the Department of Mines, which is chiefly concerned with the development of the Dominion's mineral industries, is carried on by the Department's four principal branches—the Geological Survey, the Mines Branch, the National Museum of Canada and the Explosives Division.

The Geological Survey carries on areal and economic investigations and research work in geology and mineralogy; the Mines Branch carries on field, laboratory and industrial investigations covering the various phases of the mining and metallurgical industries from the primary occurrence of the ores to the utilization of the finished product; the National Museum of Canada carries on scientific investigations in all branches of natural history; and the Explosives Division, under the provisions of the Explosives Act, 1914, has supervision of the manufacture, testing, storage, and importation of explosives and issues the licenses and permits authorized by the Act.

The Department of Mines publishes an annual administrative report covering the activities of the whole Department, and occasional pamphlets illustrating the services rendered the mining and metallurgical industries. Each of the branches publishes annual reports in addition to memoirs and bulletins on special investigations and districts.

The Geological Survey Branch.—From 1842 to 1904, published annual volumes. From 1904 to 1910, upwards of 80 reports were issued, all separately. Since then, the publications have consisted of memoirs and bulletins appearing at irregular intervals, an annual summary report and miscellaneous publications, including geological and topographical maps, geological guide books and handbooks. The subjects dealt with include areal and economic geology of particular districts, mineralogy, palaeontology and related topics. In 1926 the first volume of a new Economic Geology Series was published, and further volumes of this series have since been issued. A list of the reports published by this Branch may be obtained on application to the Director, Geological Survey, Ottawa.

The National Museum of Canada has published a series of *Museum Bulletins* in many branches of natural history. A list of these may be obtained on application to the Director, National Museum of Canada, Ottawa.

The Mines Branch, since its inception in 1908, has published annual summary reports covering the investigations of the Divisions of Mineral Resources, Ore Dressing and Metallurgy, Fuels and Fuel Testing, Ceramic and Road Materials and Chemistry, also the operations of the Dominion Assay Office. More detailed and comprehensive reports have also been published by this branch, dealing with the technology of most of the economic minerals of Canada. A list of the Mines Branch reports may be had on application to the Director, Mines Branch, Ottawa.

The Explosives Division has published annual reports since 1919 and a number of pamphlets on the proper care and handling of explosives. Copies may be obtained on application to the Chief Inspector of Explosives, Department of Mines, Ottawa.

The publications of the Department of Mines cover all phases of mining from preliminary explorations and surveys of unmapped territory through the mining, milling, smelting and refining of the ores to the marketing and utilization of the finished product. Most of these reports and maps may be obtained free of charge by those interested on application to the Deputy Minister of Mines, Ottawa, or to the Directors of the Branches concerned, whose addresses are given above. Many of these reports may be had in French translations.