

Smelting. This company also operates the Schist Lake mine near Flin Flon and the Chisel Lake and Stall Lake mines 90 miles east of Flin Flon. Ore from all company mines is milled at Flin Flon.

In Ontario, Noranda Mines Limited (Geco Division) and Willroy Mines Limited, both at Manitouwadge, produced zinc, lead and copper concentrates; Kam-Kotia Porcupine Mines Limited at Timmins produced copper concentrates and a small tonnage of zinc concentrates. Two new mines were opened—the Willecho at Manitouwadge early in 1965 and the Zenmac near Schreiber early in 1966. At Port Maitland on Lake Erie, zinc concentrates from Ontario and Quebec mines were roasted by Sherbrooke Metallurgical Company Limited and the resulting calcine was shipped to the United States for final treatment.

Quebec's lead production showed little change from 1964 to 1965 but its zinc output rose from 236,540 tons to 275,788 tons. Production of zinc from the new Matagami Lake camp totalled 194,600 tons and a new producer in the Noranda district, Lake Dufault Mines Limited, produced about 30,000 tons of contained zinc from copper-zinc ores. Other mines in Quebec were the Normetal (copper-zinc), Quemont (copper-zinc), Manitou-Barvue (copper-zinc-lead) and East Sullivan (copper-zinc), all in the Noranda-Val d'Or area; New Calumet (zinc-lead) at Calumet Island on the Ottawa River; Coniagas (zinc-lead-silver) at Bachelor Lake, and Solbec (copper-zinc-lead) in the Sherbrooke district. The Cupra mine, just south of the Solbec, was brought into production in September 1965.

New Brunswick's production of lead and zinc was up substantially from 1964. Brunswick Mining and Smelting Corporation Limited operated its No. 12 mine near Bathurst, completing the first full year of production. Construction of a zinc-lead blast furnace by the company continued at Belledune Point, 25 miles north of Bathurst where part of the Bathurst-district concentrates will be smelted. Heath Steele Mines Limited, near Newcastle, produced zinc, copper and lead concentrates. Nova Scotia's only lead-zinc producer was Magnet Cove Barium Corporation, at Walton. In Newfoundland, regular production of lead, zinc and copper concentrates continued at the Buchans mine of American Smelting and Refining Company. Zinc was recovered from copper ore by Consolidated Rambler Mines Limited near Baie Verte.

Exploration and development were carried out in many areas during 1965. New mines were under development at Timmins, Ont., in the Joutel-Poirier district 60 miles north of Amos, Que., near Bathurst, N.B., in northern Manitoba, in northern Saskatchewan, and on Vancouver Island. Exploration programs of particular interest were carried out in the Ross River district of central Yukon Territory and in the Pine Point district of the Northwest Territories, where substantial discoveries of zinc-lead ore were announced.

12.—Producers' Shipments of Lead from Canadian Ores, by Province, and Total Value, 1956-65

| Year | Newfoundland | Nova Scotia | New Brunswick | Quebec | Ontario |
|-------|--------------|-------------|---------------|--------|---------|
| | tons | tons | tons | tons | tons |
| 1956 | 22,788 | 711 | 474 | 2,873 | 1,505 |
| 1957 | 24,512 | — | 1,170 | 2,709 | 500 |
| 1958 | 23,990 | — | 94 | 3,150 | 1,256 |
| 1959 | 22,457 | — | — | 2,910 | 1,611 |
| 1960 | 24,022 | — | — | 2,689 | 831 |
| 1961 | 21,968 | — | — | 3,392 | 835 |
| 1962 | 25,330 | 2,682 | 1,879 | 4,716 | 1,144 |
| 1963 | 23,392 | 1,400 | 1,783 | 4,337 | 1,539 |
| 1964 | 25,415 | 1,669 | 21,716 | 3,951 | 2,027 |
| 1965* | 23,318 | 1,700 | 46,537 | 3,977 | 1,958 |