

depths below the crust). At McGill University, continuing experiments on the behaviour of silicates and sulphides at high pressures and temperatures are revealing more about the formation of ores and the metamorphism of rocks.

Research work, supported by past grants, has produced results of wide geological interest.

Five papers which are concerned with obtaining an absolute time scale from Cosmic time, around 4.5 billion years ago, to Historic time, 5,000 years ago, are being presented by the University of Alberta.

Experiments with scale-models, which have been carried out by the University of Western Ontario, aid the interpretation of electromagnetic field-surveys by studying the electromagnetic response of typical geological structures. These studies have resulted in three papers which will be of value to mining companies using airborne electromagnetic prospecting devices.

Special chemical techniques supplemented by spectroscopy have been developed by the University of British Columbia in its study of trace-element relationships. This knowledge should be useful in mineral exploration and prospecting.

NAVAL CADETS

One hundred and forty-nine young men from across Canada have been enrolled in the Royal Canadian Navy as cadets under terms of the Regular Officer Training Plan and College Training Plan.

This autumn eighty-four of the number will enter the three Canadian Services Colleges -- Royal Roads, near Victoria; the Royal Military College, Kingston, Ontario, and Collège Militaire Royal de Saint-Jean, Saint-Jean, Quebec. The other 65 successful ROTP applicants will be sponsored by the Navy at Canadian universities.

Under the terms of ROTP, cadets attend the Services Colleges and universities at government expense and upon graduation they join the services as regular force officers.

Twenty-nine of the selected naval cadets will go to Royal Roads, 13 to the Royal Military College and 42 to Collège Militaire Royal de Saint-Jean. The group includes two men who have been serving on the lower deck of the RCN and have qualified for officer training.

VISITOR FROM VENEZUELA

His Excellency, Dr. Ignacio Luis Arcaya, the Foreign Minister of Venezuela, who is leading his country's delegation at the General Assembly of the United Nations in New York, paid a brief visit to Canada during the first week of October. Accompanied by Mrs. Arcaya, he first visited Montreal, making a tour of the St. Lawrence Seaway en route to Ottawa.

After a few days in Ottawa where they were the guests of His Excellency, the Ambassador of Venezuela and Mrs. Manuel Egana; Dr. and Mrs. Arcaya visited Toronto before returning to New York.

SHIPMENTS OF IRON ORE

Shipments of iron ore from Canadian mines in June increased to 3,520,545 tons from 2,258,660 in last year's same month, boosting January-June shipments to 7,385,666 tons from 4,314,062 a year ago. End-of-June stocks dropped to 1,850,142 tons from 2,929,435 at the same date last year.

Ore shipped for export in June jumped to 3,217,734 tons from 2,046,096 a year earlier, raising the half-year total to 6,389,917 tons from 3,708,777. Ore shipped to Canadian consumers in the month advanced to 302,811 tons from 212,564, and in the six months to 995,749 tons from 605,285.

Total shipments in June from mines in Quebec climbed to 1,672,910 tons from 849,701 a year earlier, Ontario to 785,716 tons from 398,327, and Newfoundland and British Columbia to 1,061,919 tons from 1,010,632. January-June shipments: Quebec, 3,025,588 tons (1,366,137 a year ago); Ontario, 2,103,989 (917,951); and Newfoundland and British Columbia, 2,256,089 (2,029,974).