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5th February, 1957

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The greater part of the year was occupied in the regional mapping of the area covered by Snow Hill National Map Sheet, in preparation for publication. The field work, comprising approximately $\frac{3}{4}$ of this map, was completed.

In connection with the Geophysical Survey of iron ore deposits, an area extending from vicinity of Burnie to the south of Hampshire was geologically mapped with the object of defining Tertiary basalts in relation to Devonian granites and pre-Devonian sedimentary rocks.

The possibilities of obtaining supplies of underground water were investigated at Sandy Bay, Sandford, Orielton, Smithton and Montagu.

Examination of limestone areas were made in the Avoca - St. Marys district and reports prepared for inclusion in the forthcoming publication on "Limestones in Tasmania".

A visit was made to Geeveston in relation to reported iron deposits in the vicinity of Catamaran.

In conjunction with the Senior Geologist, surveys were conducted of:-

1. Brick making materials at Berriedale, Collinsvale and Glenorchy.
2. Uranium bearing carbonaceous shales at Castle Carey Rivulet, near Avoca.
3. Oil Shales at Karoola.

Minor investigations included - The obtaining of sluicing water from Ringarooma River, for alluvial tin mines, near Branhholm. Leakage of water from a Government race on a Soldier Settlement property, near Ringarooma. Faulting of a coal seam in a colliery, near Fingal.

A visit was made to alluvial tin mines in the north-eastern district for the instruction of Asian students, working under the Colombo Plan.

In company with the Director of Mines and the Senior Geologist, a flight was made by helicopter to Port Davey in connection with the geological survey of that area.

A visit was made to the Rio Tinto iron area, near the Savage River, in connection with track access.

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The Chief Geologist

During the year Symposiums were attended at Hobart and Queenstown, the respective subjects being "Continental Drift" and "The Lyell Schists".



(F. Blake)
GEOLOGIST.

The Chief Geologist,
HOBART.