

APPENDIX

HEAD OFFICE, TECHNICAL STAFF

(J. D. CLAPPERTON, Assistant Surveyor-General)

During the year the staff has been hard pressed to meet the growing demands for special drawings and data, both for our own and other Departments. This has meant putting aside much routine work, particularly that of keeping up to date our standard publications.

General Draughting and Map Publication.—A special map of New Zealand was prepared for the Tourist Department for overseas publicity purposes. This map has many unique features and is the first of its type to be prepared by the Department. Many smaller maps of individual resorts were also prepared for that Department. The Department of Agriculture has also called for the preparation of special drawings to illustrate articles in their *Journal*, and numerous drawings of varying types have been undertaken for other Departments.

A start was made in the preparation of a new series of 4-mile topographical maps based on the information contained in the mile series, but owing to pressure of more urgent work little progress has been made.

Census.—This necessitated the preparation of 338 enumerator maps which were distributed to our district offices, where the preparation of the sub-enumerator maps—totalling 1,352—was carried out. All maps were then returned to this Office, where a comprehensive check of each map was made prior to forwarding on to the Census Department. After the completion of the census, population maps covering the whole of New Zealand were prepared for the Representation Commission.

Map Publications.—The table below is a summary of the maps published during the year, together with the cost of printing. In the case of the topographical maps, approximately 6,000 of the 1 : 250,000 series and 30,000 of the 1 : 63360 series were printed for the Army Department.

Summary of Printing Costs of Map Publications for Year ended 31st March, 1946

Class of Map.	Number of Issues.	Number of Maps printed.	Total Cost.	Average Cost per Map.
Topo. Maps—			£ s. d.	s. d.
1 : 25000	6	10,490	584 16 8	1 1
1 : 63360	12	37,549	1,888 15 2	1 0
Survey Districts—				
80 chains	26	6,235	265 9 8	0 10
40 chains	16	848	106 17 4	2 6
Counties	6	1,500	253 5 5	3 5
Boroughs	3	1,550	149 17 3	1 11
Territorial and 4-mile	7	5,150	276 10 4	1 1
Miscellaneous	7	4,810	245 11 0	1 0
Totals	83	68,132	3,771 2 10	..

COMPUTING BRANCH

Geodetic Triangulation.—The computation of astronomical latitudes and azimuths of geodetic stations was proceeded with.

Tidal Analysis and Special Computations.—No new tidal analyses were carried out during the year. New geodetic and transverse Mercator tables to replace older tables in use by the Department were completed and are now in the hands of the printer.