COLONIAL TIME-BALL OBSERVATORY.

Mr. Thomas King, the officer in charge, reports as follows: "The work of the time service has proceeded as usual. Regular observations for the determination of clock-error have been taken, and exact time has been distributed throughout the colony as heretofore. The clocks have maintained very good rates. The time-ball at Wellington has been dropped daily (Sundays excepted), and galvanometer signals have been sent hourly from the Observatory in the manner described in previous reports. During the stay of the relief ship "Morning" at Lyttelton, prior to her start for the antarctic regions, signals were frequently transmitted to her by special telegraph-wire direct from the Observatory to the officers' cabin, and the vessel was thus enabled to rate her chronometers accurately for some days before the beginning of her important voyage. The value 11h. 39m. 5.3s. E. has, since the beginning of 1903, been assumed as the longitude of the Observatory in computing time. This longitude has, of course, been for very many years recognised as the correct one; but owing to the fact that the old value—viz., 11h. 39m. 9.3s. E.—was retained on the Admiralty charts it was not deemed wise to employ the amended longitude for the purposes of the time service, as the advantage from a navigator's point of view of having a value in harmony with the one shown on the charts was obvious. The Admiralty, however, has at last found it practicable to adopt the true longitude in one or two of its harbour-charts; and, although in view of the smallness of the error involved and of the expense of regraduating a large series of charts the Admiralty has no present intention of amending the majority of the coastal charts, this partial recognition of the corrected longitude has opened the way for a reconsideration of the matter, and, after submission of the point to the Hydrographer to the Admiralty, the value 11h. 39m. 5.3s. has, with that official's entire concurrence, been adopted as the one for use in calculations necessary for time-determination

The balance-sheet, duly certified, is appended, and the schedules and correspondence will be

published with the report in the usual pamphlet form.

Martin Chapman, Chairman. 3rd July, 1903.

NEW ZEALAND INSTITUTE ACCOUNTS FOR 1902-3.

Receipts.				£	s.	d.	Expenditure.	£	8.	đ.
Balance from last year				408	2	11	Printing Vol. XXXV	482	11	6
Vote for 1902-3				500	0	0	Expenses of library	20	0	0
Contribution from We	ilington	Philoso	phical				Expenses, "Maori Art"	36	8	8
Suciety		• •	٠.	17	10	0	Postages, foreign volumes	3	17	6
Sale of "Maori Art"				37	7	4	Expenses, International Catalogue	15	0	0
Sale of Transactions	• •		• • •	1	1	0	Miscellaneous items	46	15	0
							Balance	359	8	7
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				£964	1	3		£964	1	3

Examined and found correct. 3rd July, 1903.

MARTIN CHAPMAN, Acting-Treasurer.

James Hector, Manager.

Approximate Cost of Paper.-Preparation, not given; printing (1,375 copies), £1 2s.

By Authority: JOHN MACKAY, Government Printer, Wellington .- 1903.

Price 3d.]