

## STATISTICAL FIGURES FOR THE YEAR ENDED 31ST MARCH, 1924.

	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Total.
(a.) Indents received from Departments.. ..	287	277	218	283	1,065
(b.) Orders placed Locally—					
For the Administration .. ..	310	285	213	191	999
For Samoa Crown Estates .. ..	50	22	2	1	75
(c.) Indents despatched overseas—					
For the Administration .. ..	131	76	59	48	314
For Samoa Crown Estates .. ..	21	34	16	5	76
(d.) Orders placed by agents for indents, included in (c)—					
In New Zealand .. ..	235	160	100	103	598
In Australia, &c. .. ..	107	68	48	31	254
(e.) Overseas invoices dealt with .. ..	316	374	231	183	1,104
(f.) Requisitions issued for stores from Samoa Crown Estates for other Departments	58	64	37	36	195
(g.) Requisitions issued for stores from Public Works Department, &c., for other Depart- ments	174	133	108	105	520
(h.) Value of local purchases—	£	£	£	£	£
For the Administration .. ..	1,145	1,574	736	759	4,214
For Samoa Crown Estates .. ..	460	425	60	60	1,005
(i.) Value of goods imported—					
For the Administration .. ..	6,597	6,477	5,354	4,404	22,832
For Samoa Crown Estates .. ..	3,933	5,944	3,173	1,688	14,738
(j.) Value of goods transferred—					
Between Departments .. ..	1,640	985	812	645	4,082
From Samoa Crown Estates .. ..	214	170	81	223	688
Total turnover of Supplies Purchase Depart- ment for Year ending 31st March, 1924	..	..	..	..	52,759

## OBSERVATORY.

The work of the Apia Observatory embraces the observation of terrestrial magnetism, seismology, atmospheric electricity, investigation of the upper air, meteorology, determination of time, and the general supervision of the stations in the South Pacific weather-reporting system.

## MAGNETISM.

Continuous photographic records of the magnetic elements, declination, horizontal and vertical force have been obtained during the past year. Absolute observations for declination and horizontal intensity were taken about once every ten days, and for inclination about once every three days. The magnetic values were reduced to absolute units, and the following table gives the summarized results:—

	1922.	1923.
Declination (east) .. ..	10° 13·6'	10° 16·3'
Dip (south) .. ..	30° 5·6'	30° 6·6'
Horizontal force, C.G.S. unit .. ..	·35241	·35248
Vertical force, C.G.S. unit .. ..	·20423	·20440
Total force, C.G.S. unit .. ..	·40731	·40746

These values have been communicated to the British Admiralty and to the leading hydrographic offices of the world.

The magnetic character of each day, and the hourly values for those days, decided upon by the Commission de Magnetism Terrestre et d'Electricite Atmospherique, have been sent regularly each quarter to the proper authorities at De Bilt, Holland.

At the time of the eclipse of the sun on the 10th September, 1923, special control observations were taken, and reductions were carried out in compliance with the request of Dr. Bauer, Director, Department Terrestrial Magnetism of the Carnegie Institution of Washington, who is collecting information from all parts of the world for determining the effect of the eclipse of the sun on the earth's magnetism.

## SEISMOLOGY.

Complete records have been obtained for the past year on both the 1000 kg. horizontal component Wiechert seismograph, and the 180 kg. vertical seismograph, except for the period August-October, when the clock mechanism for the former instrument was being repaired in New Zealand.

A monthly report of all seismic disturbances has been sent to Professor H. H. Turner, of the British Association Seismology Committee, and to Dr. C. E. Adams, Government Astronomer for New Zealand, to whom also special wireless reports were sent in regard to earthquakes occurring on the 1st September (Japan) and the 2nd November (off coast New Guinea).