

## New Zealand Rainfall for February, 1921—continued.

Station.	Total Fall, Points (100 to Inch).	Days with Rain.
SOUTH ISLAND—continued.		
(G.) EAST ASPECT—KAIKOURA TO CAPE SAUNDERS—continued.		
Totara Station, near Oamaru .. .. .	..	..
Dunroon .. .. .	72	5
Pukeuri, Oamaru .. .. .	74	8
Oamaru .. .. .	50	4
Steward Settlement, Oamaru .. .. .	51	3
Trotter's Creek, Hillgrove .. .. .	61	6
Kauroo Hill, Maheno .. .. .	70	7
Bushey Park, Palmerston South .. .. .	..	..
Opoho, Dunedin (383 ft.) .. .. .	106	3
Burnside, Dunedin .. .. .	97	9
Fish-hatchery, Portobello .. .. .	81	6
Whare Flat .. .. .	201	7
Mosgiel .. .. .	115	7
(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT.		
Paerau .. .. .	149	4
Great Moss Swamp, via Patearoa .. .. .	86	6
Eweburn Nursery, Ranfurly .. .. .	77	5
Waipiata .. .. .	47	4
Naseby .. .. .	139	3
Robertslea, Middlemarch .. .. .	137	6
Tarras .. .. .	..	..
Mount Pisa Station, Cromwell .. .. .	..	..
Maungawera, Otago .. .. .	36	4
Luggate, Cromwell .. .. .	60	4
Manorburn Dam .. .. .	89	6
Frankton .. .. .	52	5
Queenstown .. .. .	63	4
Moa Creek .. .. .	74	6
St. Bathans .. .. .	157	7
Blackstone Hill .. .. .	154	8
Clyde .. .. .	82	2
Earnsclough .. .. .	65	4
Teviot River .. .. .	..	..
Roxburgh .. .. .	55	5
Sunnyvale Orchard, Island Block .. .. .	..	..
Balcutha .. .. .	123	8
Garston .. .. .	179	3
Fairlight Station, Nokomai .. .. .	..	..
Glenfalloch Station, Nokomai .. .. .	..	..
Wendonside .. .. .	109	7
Wendon .. .. .	119	7
Lawrence .. .. .	..	..

## New Zealand Rainfall for February, 1921—continued.

Station.	Total Fall, Points (100 to Inch).	Days with Rain.
SOUTH ISLAND—continued.		
(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT—continued.		
Owaka .. .. .	87	4
Tapanui Nursery .. .. .	148	12
Edievale .. .. .	214	8
Waikawa Valley .. .. .	271	14
Tahakopa, Wharuarimu .. .. .	275	13
Uplands, Waimahaka .. .. .	220	14
Roslin Estate, Woodlands .. .. .	192	13
Dipton .. .. .	52	6
Bluff .. .. .	..	..
Radio-Awarua .. .. .	216	12
Nightcaps .. .. .	187	11
Otautau .. .. .	138	9
Creighton .. .. .	70	4
Manapouri .. .. .	94	4
(I.) ISLANDS.		
Centre Island .. .. .	167	11
Stewart Island .. .. .	236	16
Half-moon Bay, Stewart Island .. .. .	222	15
Niue Island .. .. .	..	..
Avarua, Rarotonga, Cook Islands .. .. .	..	..
Aitutaki Island, Cook Islands .. .. .	..	..
Mangaia, Cook Islands .. .. .	..	..
Chatham Island .. .. .	197	10
LATE RETURNS.		
Pohueroro Station, January, 1921 .. .. .	247	7
Pine Grove, January, 1921 .. .. .	70	5
Tawaitai, January, 1921 .. .. .	193	11
Waiwetu, January, 1921 .. .. .	265	8
Whangaimoana, January, 1921 .. .. .	315	9
Manaroa, January, 1921 .. .. .	198	4
Waitata Bay, January, 1921 .. .. .	305	6
Okuru, January, 1921 .. .. .	213	8
Bealey, January, 1921 .. .. .	135	7
Lake Coleridge, January, 1921 .. .. .	263	10
Staveley, January, 1921 .. .. .	725	20
Opoho, December, 1920 .. .. .	181	13
„ January, 1921 .. .. .	265	12
Whare Flat, January, 1921 .. .. .	231	13
Waikara Valley, January, 1921 .. .. .	289	14
„ December, 1920 .. .. .	497	17
Manapouri, January, 1921 .. .. .	107	5

## Notice to Mariners.—No. 15 of 1921.

Marine Department,  
Wellington, N.Z., 5th April, 1921.

THE following Notices to Mariners, which have been received from the Hydrographic Office, London, are published for general information.

ROBERT DUNCAN, Secretary.

## ENGLAND.

WEST COAST.—SCILLY ISLES.—PENINNIS HEAD LIGHT.—INTENDED ALTERATION IN DURATION OF FLASH.

Date of Alteration.—On or about 15th January, 1921.

Position.—Lat. 49° 54' N., long. 6° 18' W. (approx.).

Alteration.—The duration of the flash of this unwatched flashing white light will be reduced from 1½ seconds to half a second. The light will then show thus: Flash 0·5 sec., eclipse 19·5 secs.

Note.—At the same time the power of the light will be increased to 100,000 candles.

Remarks.—No further notice will be given.

## PORTUGAL.

SOUTH COAST.—CAPE CARVOEIRO.—LIGHT ESTABLISHED.

Position.—Near the extremity of Cape Carvoeiro, at a distance of 2·4 cables, 106°, from Alfanizina Fort. Lat. 37° 5' N., long. 8° 26' W. (approx.).

Abridged Description.—Lt. gp. fl. (2), ev. 15 secs., 184 ft., vis. 20 m.

Characteristics:

Character.—Group flashing white showing two flashes every fifteen seconds.

Elevation.—184 feet (56<sup>m</sup> 1).

Visibility.—20 miles.

Structure.—White square masonry tower with red lantern over one-storey dwelling, 60 feet (18<sup>m</sup> 3) in height.

## INDIA.

BAY OF BENGAL.—RIVER HUGLI ENTRANCE.—ALTERATIONS IN LIGHT-VESSELS.

(1.) Alterations in positions of light-vessels—

(a.) Lower Gaspar Light-vessel.

New Position.—At a distance of about 2½ miles south-eastward from former position. Lat. 21° 24' 58" N., long. 88° 8' 40" E., on Chart No. 814.

Description.—As described in the Admiralty List of Lights.

Remarks.—The station watch-buoy is to be moved on the charts to the same relative position with regard to the light-vessel as hitherto.

Note.—Upper Saugor Sand buoy with ball topmark, formerly situated close to the new position of the light-vessel, is to be expunged from the charts.

(b.) Eastern Channel Light-vessel.

New Position.—At a distance of about 3½ miles southward from former position. Lat. 20° 53' N., long. 88° 11' 35" E., on Chart No. 814.

Description.—As described in the Admiralty List of Lights.

Remarks.—The station watch-buoy is to be moved on the charts to the same relative position with regard to the light-vessel as hitherto.

(2.) Alteration in position and characteristics of light of intermediate light-vessel:—

New Position.—At a distance of about 2½ miles southward from former position. Lat. 21° 11' 20" N., long. 88° 11' 35" E., on Chart No. 814.

New Abridged Description of Light.—Lt. occ., ev. 2 secs., 31 ft., vis. 11 m., and lt. F., 18 ft.

Alteration.—The group flashing white light has been replaced by lights having the undermentioned characteristics:—

Character.—In the fore part of the vessel, an occulting white light every two seconds, thus: Light 1 sec., eclipse 1 sec. In the after part of the vessel, a fixed white stern light.

Elevation.—Occulting light, 31 ft. (9<sup>m</sup> 4); fixed light, 18 ft. (5<sup>m</sup> 5).

Visibility.—Occulting light, 11 miles; fixed light, not stated.

Structure.—On the fore-castle, a framework super-structure.

Remarks.—The remaining characteristics of the light-vessel are as described in the Admiralty List of Lights.