

Sunlight, Daylight, and Twilight at certain Places in New Zealand at the Solstices and Equinoxes.

—						Invercargill.	Dunedin.	Christchurch.	Wellington.	Napier.	Auckland.
Latitude .. .. .	..	..	..	..	..	46½°	46°	43½°	41½°	39½°	37°
Longitude .. .. .	..	..	..	..	..	168½°	170½°	172½°	175°	177°	175°
Winter, June 22—											
Twilight begins .. .. .	..	..	..	..	..	6.11	6.6	5.50	5.47	5.43	5.31
Sunrise .. .. .	..	..	..	..	..	8.7	7.57	7.40	7.23	7.8	7.8
Sunset .. .. .	..	..	..	..	..	4.29	4.23	4.24	4.21	4.20	4.36
Twilight ends .. .. .	..	..	..	..	..	6.25	6.14	6.14	5.59	5.46	6.15
Daylight begins .. .. .	..	..	..	..	..	7.9	7.4	6.45	6.35	6.25	6.20
„ ends .. .. .	..	..	..	..	..	5.27	5.19	5.19	5.10	5.3	5.25
Summer, December 21—											
Twilight begins .. .. .	..	..	..	..	..	1.28	1.29	1.53	2.1	2.9	2.34
Sunrise .. .. .	..	..	..	..	..	4.25	4.19	4.20	4.28	4.16	4.32
Sunset .. .. .	..	..	..	..	..	8.3	7.53	7.36	7.18	7.4	7.4
Twilight ends .. .. .	..	..	..	..	..	11.0	10.43	10.3	9.35	9.11	9.2
Daylight begins .. .. .	..	..	..	..	..	2.57	2.54	3.7	3.15	3.13	3.33
„ ends .. .. .	..	..	..	..	..	9.31	9.18	8.50	8.26	8.8	8.3
Spring, September 23—											
Twilight begins .. .. .	..	..	..	..	..	4.37	4.30	4.27	4.20	4.15	4.27
Sunrise .. .. .	..	..	..	..	..	6.24	6.16	6.8	5.58	5.50	5.58
Sunset .. .. .	..	..	..	..	..	6.24	6.16	6.8	5.58	5.50	5.58
Twilight ends .. .. .	..	..	..	..	..	8.11	8.2	7.49	7.36	7.25	7.29
Daylight begins .. .. .	..	..	..	..	..	5.31	5.23	5.18	5.9	5.3	5.13
„ ends .. .. .	..	..	..	..	..	7.17	7.9	6.58	6.47	6.37	6.43
Autumn, March 21						As for Spring	(within one minute).				

NOTES.

Daylight is assumed to begin half-way between morning twilight (daybreak) and sunrise, and to end half-way between sunset and twilight (nightfall).

All times are N.Z.M.T., 11½ hours east of Greenwich.

In calculating the times of sunrise and sunset, no allowance has been made for refraction.

THURSDAY, 25TH NOVEMBER, 1909.

(Mr. Mander, Acting-Chairman.)

ALEXANDER PAUL, Senior Relieving Officer, Inspectors' Department, Bank of New South Wales. (No. 8.)

1. Mr. Sidey.] Does your bank have very frequent cable communication with its head office in New South Wales?—No, not very frequent.

2. Have you as much cable business as the other banks?—I could not say. We are the largest institution on the other side, and I dare say we ought to have as much.

3. You would naturally suppose that you would have quite as much?—Yes.

4. You know what the proposal contained in this Bill is—to advance the time one hour in the spring and set it back again one hour in the autumn?—Yes.

5. What we want to know more particularly from you is whether that would cause the bank any inconvenience in connection with cables between you and your head office in Sydney?—None whatever, we consider.

6. You understand what it would mean, that whereas at the present time a cable sent from here at half past 11 would reach them at their opening-hour—10 o'clock—under the altered conditions you could not send a cable to them under half past 12?—Yes.

7. It would mean that, while they would get the cable at an early hour, they would have one hour less in which to reply?—I quite understand that.

8. But, notwithstanding that, you consider there would be no material inconvenience?—There would not, as far as our institution is concerned.

9. Do you think the public who do business with you would be inconvenienced to any extent?—Not to any extent—in fact, I do not think that they would be inconvenienced at all, because the communications are only very few.