

place slightly better in this regard. The wind velocity at the two places is practically the same. The two most important items in the case of a large reflector are the low range in night temperature and the seeing conditions, *i.e.*, steadiness of image, sharpness of definition, etc. The range of temperature on working nights at Ottawa is at least 75 per cent. greater than at Victoria. The summer seeing conditions at Victoria are 50 per cent. better than at Ottawa, in winter they are 43 per cent. better.

6. The limited duration of the tests made one hesitate to pronounce authoritatively on the relative merits of the two places, but in view of the decided advantages which Victoria possesses in regard to low range of temperature and steady conditions factors without which a large reflector would be next to useless it could hardly be gainsaid that the extra cost and inconvenience ought to be overlooked and the telescope located at Victoria.

ADDENDA

TRIP TO LICK OBSERVATORY.

It was deemed expedient to make some comparisons with the seeing on mount Hamilton, California, where is located the great 36-inch refractor of the Lick Observatory. Accordingly I left Victoria on Aug. 13, arriving at mount Hamilton at noon of Aug. 16, and remained until noon of Aug. 20 when I returned to Victoria.

The nearest point of railroad connection with mount Hamilton is San Jose, 50 miles south of San Francisco. Mount Hamilton, by the highway, is 26 miles from San Jose, nearly east, and is reached by auto-stage over a fairly good road constructed by the Santa Clara county. The country is rolling in character and mount Hamilton is the climax of a succession of rising slopes. Its altitude is 4,209 feet. This place was selected as the site for the telescope after investigations of the seeing conditions on the site had been carried on in 1879 by Mr. S. W. Burnham, now connected with the Yerkes Observatory. It enjoys the reputation of being one of the most suitable sites in the world for stellar research. The weather, during