

seismograph at Perth on May 23. He reports earthquake records on May 9, 11, and 12, the last being a very fine one; there are no evidences of earthquake records for May 11 and 12 on the magnetograms obtained at Watheroo.

*June 8 and 29, 1922.*—There were two possible earthquake records on the magnetograms centering at approximately June 8, 7<sup>h</sup> 48<sup>m</sup> Greenwich mean time, and June 29, 20<sup>h</sup> 21<sup>m</sup> Greenwich mean time. The government astronomer of Western Australia writes that, because of light trouble, no records were obtained from the seismograph at Perth on either of these dates.

G. R. WAIT, *observer-in-charge.*

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#### AURORAL OBSERVATIONS AT HIGH RIVER, ALBERTA, CANADA, DECEMBER 28, 1921.

1<sup>h</sup> A. M.—Two curtains observed; largest runs from N. W. to E., another below it extends from nearly North to N. E., latter is very bright at the W. end *i. e.* N., which appears to be bright because the curtain is running nearly away from the observer and hence more light is observed looking along the curtain than in looking through it. I have observed the same effect before, but I think it was the E. end that seemed to be in line with the eye. It was narrower on the E. end.

7<sup>h</sup>45<sup>m</sup> P. M.—Faint curtain observed, center nearly N.

9<sup>h</sup>00<sup>m</sup> P. M.—Faint arch low down, center N. E.

OWEN BRYANT.