

XI.—OPTICAL PHENOMENA.

(1.) *Solar Halos*.—The solar halos most extensively observed during the month were the following: On the 3d, Massachusetts, New Hampshire and New York; on the 15th, New Hampshire, New York and Missouri; on the 16th, Iowa, New Hampshire, New York and Massachusetts.

(2.) *Lunar Halos*.—The lunar halos, so far as recorded, appear to have been very local phenomena. Those that occurred between the 22d and 27th were individually observed in one or two States; the others of the month were seen only over small sections of country.

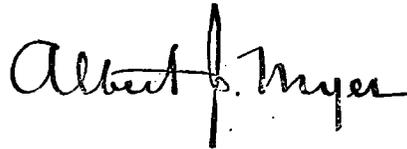
(3.) *Mirage*.—Mirage has been recorded only once during the month, viz: At Oswego on the 10th.

XII.—MISCELLANEOUS.

(1.) *Meteors*.—Notably bright meteors have been rather frequently observed, viz: On the 3d, in Florida; 4th, in Florida; 6th, in North Carolina; 7th, in Indian Territory and Florida; 11th, in Florida; 13th, in North Carolina and Tennessee; 14th, in Florida; 15th, in Florida; 16th, in Tennessee; 18th, in North Carolina and Pennsylvania; 22d, in Florida.

(2.) *Earthquakes*.—The only occurrence of this phenomena that has been reported is the slight shock that was felt on the 18th at Salt Lake City.

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