

*Ozone*.—The observations have been continued by means of the calico ozoneometer, which is kept moving by clock work, so as to indicate the variable amount, and has furnished very interesting results, as also the action of the coloured rays of light and polarized light and its development.

*Atmospheric Electricity*.—The tri-daily observations have been taken with Pelletier's and Ramerhausen's apparatus as heretofore, but these observations are far too extended for a short notice.

*Comets* were seen, Thatcher's in May; a bright one 30th June, and a smaller one, October.

*Earthquakes*.—A smart shock was felt on the 11th of July at 9 hours 3 minutes P.M., local time, it lasted for 20 seconds. The wave passed from N.N.W. to E., and another slight shock was felt in October. A register will for the future be kept in connexion with the seismometer.

*The Lunar Eclipse* of the 17th December was not seen, being obscured by clouds.

Crows (*Corvus corona*), first seen on the 27th of February. The song sparrow (*Fringilla melodia*), first heard 4th of April. Wild geese (*Anser Canadensis*), first seen flying W. on the 29th April. Swallows (*Irundo rufa*), first seen 23rd April. Frogs (*Rana fontanalis*), first heard the 24th day. Shad (*Alosa prostrabilis*), first caught 30th May. Fire flies (*Lampyrus corusca*), first seen 19th June. Snow birds (*Plectrophanes nivalis*), first seen 17th of November. Crows left on the 7th day of November.

Currants and gooseberries in leaf on the 16th May. Wild strawberries in flower, 24th. Dandelion in flower, 23rd. Currants and gooseberries in blossom on the 24th. Lilac in blossom on the 3rd of June. Apples on the 4th. Chokecherries in blossom on the 6th of June.

The magnetic observations carried on at this Observatory, will form a separate paper for future publication.

Observatory, Isle Jesus, 22nd January, 1862.