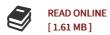




## Discussion of the Magnetic and Meteorological Observations, Vol. 1: Made at the Girard College Observatory, Philadelphia, in 1840, 1841, 1842, 1843, 1844, and 1845; Investigation of the Eleven Year Period in the Amplitude

By Alexander Dallas Bache

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Vol. 1: Made at the Girard College Observatory, Philadelphia, in 1840, 1841, 1842, 1843, 1844, and
1845; Investigation of the Eleven Year Period in the Amplitude of the Solar Diurnal Variation and of
the Disturbances of the Magnetic Declination It is proposed in the present paper to investigate the
law of the eleven year period, or as it is more frequently called, the decennial period, there being yet
an uncertainty as to its precise length. It is supposed to have some direct or indirect connection
with the solar spot period, which, according to late investigations by Prof. R. Wolf,2 is said to exhibit
corresponding disturbances. The discussion is a contribution towards the determination of the
epoch of the occurrence of a minimum (as to number and magnitude) in certain phases of the
magnetic variations and disturbances, corresponding to a minimum in the solar spot period. The
method of reduction is substantially the same as that adopted by General Sabine, and explained in
his discussion of the Toronto and Hobarton3 observations. This longitude depends on...



## Reviews

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