

LETTERS TO EDITOR

MAGNETIC DECLINATIONS BY PEARY IN THE ARCTIC REGIONS, 1900-02.

The values of the magnetic declinations by Civil Engineer R. E. Peary, U. S. N., as transcribed from the geographical records of his Arctic explorations, are as follows:

Name of Station	Date	Latitude North	Longitude West of Greenwich	Declination West
		° /	° /	°
Cape Washington	1900	83 33	38 45	67 ½
Cape Jesup	1900	83 40	33 20	61 ½
Entrance Rock	} 1900	76 07	65 04	88 ¼
Saviksuah Bay				
.....	1900, May 16	83 50	33 20	61 ½
.....	1902, Apr. 21	84 17	67 40	99 ½

G. W. LITTLEHALES.

U. S. Hydrographic Office, Washington, D. C.

August 15, 1904.

PRINCIPAL MAGNETIC DISTURBANCES RECORDED AT THE CHELTENHAM MAGNETIC OBSERVATORY,¹ MAY 1,— AUG. 31, 1904.

1. Began May 11 at about 17^h and ended May 14th at about 24^h. For *D* the maximum ordinate was 47'.5 at 13^h 10^m on the 12th and minimum 22'.5 at 2^h 50^m on the 13th, giving a range of 25'.0. For *H*, the maximum ordinate was 96.2 mm. at 1^h 41^m on the 12th, minimum—5.1 mm. at 9^h 39^m on the 13th, giving a range of 101.3mm or 178 gammas. For *Z*, maximum 78.9 mm. at 17^h 37^m on the 13th, minimum 45.2 mm. at 3^h 59^m on the 13th, giving a range of 33.7 mm. or 159 gammas, (10⁻⁵ C. G. S.)

2. Began about noon May 27th and ended about 3^h on May 29th. For *D*, maximum 51'.6 at 13^h 25^m on the 28th, minimum 27'.2 at 3^h 49^m on the 28th, giving a range of 24'.4. For *H*, maximum 84.8 mm. at 14^h 48^m on the 27th, minimum 13.1 mm. at 11^h 10^m on the 28th, giving a range of 71.7 mm. or 126 gammas. For *Z*, maximum 76.5 mm. at 16^h 02^m on the 28th, minimum 57.9 mm. at 2^h 34^m on the same day, giving a range of 18.6 mm. or 88 gammas.

¹This Observatory of the U. S. Coast and Geodetic Survey is situated at Cheltenham, Maryland, in latitude 38° 44' N. and in longitude 76° 50'.5 or 5h 07^m W. of Greenwich. The times given in the communication refer to local civil mean time.