LETTERS TO EDITOR

PRINCIPAL MAGNETIC STORMS RECORDED AT THE CHELTENHAM MAGNETIC OBSERVATORY

July 1-September 30, 1908

GREENWICH MEAN TIME					RANGE		
BEGINNING			ENDING		D (Declination)	H (Hor'l In- tensity)	Z (Ver'l In- tensity)
	h	m		h			
July	15,	2 17	July	18, 5	31.8	111	123
July	24,	11 19	July	25, 19	18.2	100	38
August	7,	0 51	August	9, 19	38.5	160	64
August	11,	11 18	August	14, 16	23.3	186	73
August	19,	0 12	August	19, 19	42.6	145	119
August	21,	8 38	August	22, 8	20.5	126	91
September	4,	17 42	September	6, 5	37.1	213	128
September	11,	21 43	September	12, 21	70.3	425*	†
September	28,	8 41	October	1, 13	51.0	420	700‡

J. E. BURBANK, *Observer-in-Charge.*

O. H. TITTMANN, *Superintendent,
Coast and Geodetic Survey.*

THE MAGNETIC CHARACTER OF THE YEAR 1907.

BY E. VAN EVERDINGEN.

The second annual review of the "Caractère magnétique de chaque jour" (see *Terrestrial Magnetism*, vol. X, p. 197; vol. XII, p. 183; vol. XIII, p. 36) states that 37 observatories contributed to the quarterly reviews, and that 32 sent complete data for 1907. Two among the observatories partaking for the first time described their method of classification.

The annual review has been drawn up in the same manner as for the first year (1906): the second Table and the list of "calm days" are reprinted here.

* Range in H actually greater than value given as light passed beyond limits of paper. Eschenhagen H variometer magnet unbalanced by storm.

† Both Eschenhagen, and Adie, Z variometer magnets were thrown out of balance by sudden variations in Z , and hence no estimate of range can be given.

‡ Eschenhagen Z variometer magnet was unbalanced. Range slightly greater than value given, as spot of light passed off bottom of Adie sheet by a small amount.

THE MEAN MAGNETIC CHARACTER OF EACH DAY IN THE YEAR 1907.

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	M
January, . . .	0.3	0.5	0.2	0.4	1.0	0.3	0.9	1.4	0.5	0.8	1.6	1.0	0.5	1.4	1.3	0.7	0.3	0.3	0.2	0.3	0.1	0.7	0.8	0.9	0.6	0.6	0.9	0.9	0.5	0.8	0.6	0.69
February, . .	0.6	0.8	0.3	0.2	0.2	0.4	1.5	1.4	1.9	1.8	1.4	1.0	0.8	1.3	0.9	0.5	0.7	0.2	0.4	0.9	0.8	1.1	1.0	1.1	1.1	0.4	0.2	0.5				0.83
March,	1.0	0.7	0.2	0.7	0.7	0.7	0.6	0.3	0.3	1.7	1.3	1.7	0.6	0.2	0.1	0.1	0.1	0.2	0.4	0.5	1.7	1.3	0.4	0.2	0.9	0.4	0.3	0.4	0.3	0.1	0.0	0.58
April,	0.0	0.0	0.1	0.3	1.0	1.0	0.2	0.3	0.2	0.2	0.8	0.2	0.7	1.1	0.6	1.2	0.8	1.1	0.8	0.3	0.1	0.4	0.4	0.3	0.7	0.6	0.9	0.6	0.9	0.2		0.55
May,	0.1	0.3	0.9	0.5	0.4	1.1	0.7	0.3	0.2	0.9	1.0	0.8	1.1	1.0	1.1	0.8	0.5	1.4	1.4	0.9	0.5	0.7	0.6	0.9	0.7	0.2	0.1	0.9	1.4	0.2	0.8	0.72
June,	0.6	0.5	0.8	0.8	0.2	0.8	0.6	0.2	0.5	1.0	1.0	0.9	0.6	0.4	0.2	0.2	0.2	0.9	1.7	1.2	0.8	1.4	0.6	0.5	0.7	0.4	0.7	0.8	0.3	0.3		0.67
July,	1.0	1.1	0.9	0.2	0.8	0.8	1.0	0.9	0.6	1.4	1.6	0.8	0.2	0.3	0.1	0.2	0.2	0.3	0.4	0.2	0.1	0.7	0.5	0.3	1.1	0.8	1.0	1.6	1.0	0.1	0.6	0.67
August,	1.1	1.0	0.9	0.9	0.5	0.3	0.4	0.4	0.8	0.7	0.3	0.1	0.2	0.8	0.4	0.6	0.5	0.7	0.7	0.9	1.2	0.9	0.8	1.0	0.8	0.5	0.3	0.2	0.1	1.5	0.9	0.66
September, . .	0.2	0.3	0.4	0.8	0.9	0.7	0.4	0.2	0.1	1.7	1.2	1.2	0.5	0.1	0.2	1.1	1.4	1.1	1.0	0.9	0.5	0.1	0.1	0.1	0.6	1.0	0.7	0.7	0.8	1.2		0.68
October,	1.1	1.1	0.8	0.3	0.3	0.1	0.1	0.8	0.8	0.4	0.6	0.3	1.8	1.8	1.5	1.0	0.5	0.0	0.0	0.3	0.6	1.4	0.8	0.5	0.8	0.6	1.2	0.8	1.0	0.6	0.2	0.71
November, . .	0.1	0.7	1.1	1.0	0.6	0.2	0.7	0.9	0.5	1.3	1.2	0.9	0.4	0.5	0.3	0.5	0.4	0.2	0.1	0.0	1.8	1.2	0.5	0.4	0.3	0.5	0.9	0.8	0.1	0.1		0.61
December, . .	0.1	0.1	0.1	0.8	0.8	0.8	1.0	0.9	0.1	0.9	1.2	1.1	1.1	0.4	0.2	0.2	0.5	0.4	0.4	0.7	0.2	0.3	0.2	0.1	0.2	0.8	0.7	0.6	0.4	0.6	0.3	0.53

CALM DAYS.

January	3, 18,	19,	20,	21,	February	4, 5, 6, 18,	27,	March	15, 16, 17, 30,	31,
April	1, 2, 9,	21,	30,		May	1, 8, 9, 26,	27,	June	5, 8, 15, 16,	17,
July	4, 15,	16,	21,	30,	August	6, 12, 13, 28,	29,	September	8, 9, 22, 23,	24,
October	6, 7, 18,	19,	31,		November	1, 19, 20, 29,	30,	December	1, 2, 3, 9,	24,