[M'LENNAN]

ON ELECTRIC CHARGES

Here again it will be seen the charging action was a positive one in both cases, and when the needle was positively charged its motion was somewhat more rapid than when it was negatively charged. In both of these two latter sets of observations the volta effect produced a deflection in the negative direction when the earth connection to the free quadrants

Time.		Deflections in mms on Scale
Hours.	Mins.	
	Q- Q	0
••	42	2.3
1	15	5.3 7.0
1	31	9.0
1	20	11.0
2	30	12.0
2	55	15.0
3	25	18.0
3	51	20.5
4	07	22.0
4	00 05	27.0
0 5	35	29.5
6	05	31.0
ĕ	38	34.0
7	05	36.5
7	28	30.0
7	00 95	41.0
8	38	41.5
9	10	43.0
9	35	44.0
10	10	45.0
10	35	40.0
11	10	48
12	10	49
12	35	50
13	05	51
13	35	54 54
14	05	56
15	35	57
15	05	57.5

TABLE VI	Ц,
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was broken at atmospheric pressure; but in each case after these earth connections were broken the complete apparatus was left undisturbed for some 8 hours in order that the needle might take up its stationary position corresponding to the volta effect displacement. From time to time during this period observations on the scale readings were made