

Table I.

Pressure.	Time.	Electrometer.	Electrometer (volts)
.001 mm	0 min.	0	0
"	6 "	+ 6	+ .014
"	13 "	11.7	.025
"	18 "	14.8	.032
"	25 "	19.0	.042
"	30 "	22.2	.049
"	45 "	31.6	.072
"	1 hr. 01 "	40.9	.093
"	1 " 22 L	50.1	.111
"	1 " 40 "	58.8	.137
"	1 " 1 "	63.3	.146
"	2 " 27 "	76.4	.179
"	3 " 01 "	91.5	.213
"	4 " 02 "	112.0	.262
"	4 " 25 "	119.0	.279
"	5 " 42 "	129.5	.305
"	6 " 57 "	132.0	.312
"	7 " 24 "	139.0	.328
.95 mm.	0 min.	0	0
"	9 "	+ 5	+ .010
"	24 "	8	.015
"	34 "	16.5	.033
"	51 "	22.8	.045
"	1 hr. 03 "	26.0	.053
"	2 " 03 "	42.0	.088
"	2 " 42 "	51.5	.108
"	3 " 09 "	57.0	.121
"	3 " 50 "	58.5	.125
5.6 mm.	0 min.	0	0
"	4 "	-5.3	- .011
"	16 "	23.0	.045
"	39 "	48.0	.095
"	48 "	55.0	.113
"	1 hr. 05 "	68.0	.135
"	1 " 21 "	76.0	.158
"	1 " 45 "	93.5	.195
"	2 " 27 "	97.0	.202
25.6 mm.	0 min.	0	0
"	4 "	-11	- .022
"	8 "	23	.047
"	16 "	41	.077
"	28 "	50	.105
"	44 "	58	.123
"	1 hr. 00 "	77	.167
"	1 " 34 "	111	.242
"	2 " 02 "	127	.280
"	2 " 24 "	136	.302
"	2 " 53 "	142	.316
"	3 " 15 "	143	.318

With this arrangement observations were made on the charges acquired (when the earth connection at K was broken and the quadrants made free) by the plate N and its connections under the influence