

TABLE V.

Zinc surface deposited from zinc vapour in a high vacuum.

Voltage on Polonium Volts +	Current through Coils.	Magnetic Field Gauss.	Time since surface made.	Deflection per minute.	Current $\times 10^5$ e.s.u.
80	zero	zero	5 min.	53 mm.	166
80	.5 amps.	240	11 "	52 "	163
80	.95 "	405	15 "	53 "	166
80	1.65 "	680	18 "	52 "	163
80	2.3 "	880	23 "	53 "	166
80	2.8 "	995	28 "	53 "	166
80	3.6 "	1,160	30 "	53 "	166
zero	zero	zero	55 "	-21 "	-66
2	"	"	58 "	0 "	0
6	"	"	60 "	19 "	60
10	"	"	62 "	23 "	72
14	"	"	65 "	22 "	69
20	"	"	67 "	25 "	78
26	"	"	70 "	25 "	78
30	"	"	72 "	25 "	78
40	"	"	75 "	25 "	78
60	"	"	77 "	25 "	78
80	"	"	85 "	25 "	78

TABLE VI.

Zinc surface deposited from zinc vapour in a high vacuum.

Time since surface was made.	Electric field alone.		Electric and magnetic field.	
	Deflection per minute.	Saturation current.	Deflection per minute.	Saturation current.
10 min.	53 mm.	166×10^{-5} e.s.u.	53 mm.	166×10^{-5} e.s.u.
30 "	43 "	135 "	43 "	135 "
90 "	25 "	79 "	22 "	69 "
190 "	19 "	60 "	15 "	47 "