



Electricity at High Pressures (Classic Reprint)

By Elihu Thomson

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Electricity at High Pressures My interest in the subject we shall consider this evening is the more pronounced from the fact that I began my experience, with electrical phenomena by working with relatively high pressures or potentials. My first machine, constructed when I was eleven years of age, was a high potential apparatus, giving about 30, 000 volts or thereabouts. It was a frictional electric machine, the main part being a wine-bottle revolved upon an axis, to which was added the usual rubber, silk flap, and prime conductor. Electrical development on the large scale has in the past few few years been going on in the direction of increase of electrical pressures, or increase of potential differences, and this fact gives a renewed interest. The prime cause of all electrical manifestations is, of course, difference of pressure or potential. That we have much more to learn in this fascinating field is evidenced by the condition of our knowledge in regard to the phenomena of lightning, the aurora, comets tails, and possibly, also, of the solar...



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