



Electricity Explained (Classic Reprint) (Paperback)

By John Calvin Sloat Tompkins

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Electricity Explained There is not so much of this static electricity in the atmosphere in winter as in summer, but there is a great deal of it in the earth, and we can feel it and see it and hear it on the coldest day by walking briskly over a heavy carpet, and stopping quickly by a gas pipe or other grounded pipe, and placing our finger or hand near the pipe. A spark will fly from the hand to the metal pipe, and. The positive electricity which we have picked up and stored temporarily in our body will jump back to earth, which is always negatively charged, with force (voltage) enough to produce a spark. And it takes twenty thousand volts to jump across space. Thus we see that there is surrounding us a power capable of producing great force. And yet we cannot harness it because it is instantaneous. With a single flash hundreds of thousands of volts are discharged between the clouds and the earth, and are lost. The average voltage in a flash of lightning...



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