



The Advance in Electricity Since the Time of Franklin

By John Trowbridge

Theclassics.Us, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1922 edition. Excerpt: . CHAPTER XIV THE PARTICLE OF THE ELECTRIC CURRENT TYNDALL S treatise on the relations of heat to motion marked an epoch in physical science: we are now entering upon greatly enlarged views of motion. In the consideration of the theory of the electric nature of energy--the electromagnetic theory--we conceive of a universal ether by means of which the electrodynamic waves travel through space. This medium is supposed by some to be continuous, by others to have a grained structure. It is certainly easier to conceive of a grained structure than of continuous matter: water seems to be a type of continuity, but we know that it is made up of molecules or atoms of hydrogen and oxygen. Water is incompressible, the ether of space is also supposed to be incompressible. Waves of water travel just as the waves of energy traverse space: a...



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