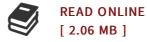




Proceedings of the American Academy of Arts and Sciences Volume 18

By American Academy of Sciences

Rarebooksclub.com, 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. 1883 edition. Excerpt: . which they supposed to be due to magnetization and to reversals of magnetization. Thus Joule) revolved a piece of iron, contained in a tube of water, between the poles of a horseshoe magnet, and measured the rise of temperature and the work done. Van Breda placed an iron cylinder in a coil of copper wire, bored a hole in the iron, and placed the bulb of a spirit thermometer in this hole. On passing a continuous current of electricity through the coil, no increase of temperature was denoted by the thermometer. When, however, the current was made and broken Pogg. Ann., cxi., 1860. t Ann. Phys. Chem., 1881. t Phil. Mag., xxiii. 263, 847, 435,1843. Compt. Rend., xxi. 961; also, Pogg. Ann., Ixviii. 552,1846. thirty times a second by an interrupter, the thermometer showed a marked rise in temperature. Grove surrounded a horseshoe...



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