



Scientific Papers of the Bureau of Standards Volume 7

By Anonymous

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. 1911 edition. Excerpt: .top antenna was approximately 40 meters and the wave length 1000 meters; from the Hertz radiation formula The ratio of received to radiated energy $17 = 1.30.10$ For stronger signals the received energy may, of course, be measured directly on the thermoelement in the antenna, the perikon circuit being removed or coupled so loosely that no appreciable energy is taken up. By the last arrangement watch can be kept by means of a telephone attached to the perikon to see that no station or other disturbance comes in to affect the measurements. I By this method the following results were obtained from the station at the Washington Navy Yard, 6 miles away: Received current at the Bureau of Standards $I = 1.4.10$ amp. High frequency resistance of receiving antenna $R = 2.5$ ohms. The received energy $E = PR = 4.9.10^{-5}$ watts. The navy...



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