



## Proceedings of the American Academy of Arts and Sciences Volume 23 (Paperback)

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By American Academy of Arts Sciences

Rarebooksclub.com, United States, 2012. 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 download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1888 Excerpt: . part of the curve, corresponding to equation (1) of complete contact, is the curve of good transmission. From equations (1) and (2) it will be noticed that the pressure required for good transmission of sound is dependent on the intensity of the sound, good sound being transmitted if  $\delta$  is less than  $P$ . The sound in the receiver is loudest when  $\delta$  is nearly equal to  $P$ . In experimenting with electro-motive forces greater than 3 volts, we met with unsatisfactory results. Good sound was not transmitted except under heavy pressure, and all attempts to obtain satisfactory measurements failed on account of the well-known disturbances set up in the microphone by the current itself. In certain of our experiments the resistance of the primary circuit was diminished by joining a number of cells in parallel. The uniform result was, that the sound transmitted was louder. The...



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