



## Proceedings of the Institution of Electrical Engineers Volume 49

By Institution Of Electrical Engineers

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. 1912 Excerpt: .of mica in lowness of power factor, by substituting silk for paper. By this means large condensers equal or nearly equal to mica might be made at considerably less expense. The very small effect of interposing mica, a material of practically infinite ohmic resistance, on the energy loss occurring in imperfect insulators is well illustrated in condensers A and C, Table IX. As I showed a few weeks ago, the heat generated in such a circuit at a high voltage is quite sufficient completely to scorch such materials as the oiled cloths commonly used as insulation. The results of the experiments on vulcanised rubber and on gutta-percha are naturally of the greatest interest, and I hope the authors will continue their experiments on commercial rubber cables, and see whether other samples not only have a minimum at a similar temperature, but also whether that minimum is...



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