


[DOWNLOAD](#)


## The American Journal of Science, 1902, Vol. 13 of 163 (Classic Reprint)

By Edward S Dana

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from The American Journal of Science, 1902, Vol. 13 of 163 Art. I. - An Experimental Investigation into the Skin effect in Electrical Oscillators; by C. A. Chant. 1. Introductory and Theoretical. The first explicit reference to the fact that, when a conductor is subjected to a periodic electromotive force, the current is not uniformly distributed over a cross-section of the conductor, is to be found in Art. 690 of Maxwell's Electricity and Magnetism. Upon obtaining the equation connecting the impressed electromotive force with the effective electromotive force and the inductive electromotive force he introduces terms which express the correction of this value [of the inductive electromotive force] arising from the fact that the current is not of uniform strength at different distances from the axis of the wire. The actual system of currents has a greater degree of freedom than the hypothetical system in which the current is constrained to be of uniform strength throughout the section. Hence the electromotive force required to produce a rapid change in the strength of the current is...



**READ ONLINE**  
[ 5.89 MB ]

### Reviews

*This pdf is wonderful. It is definitely simplified but excitement from the 50 percent in the ebook. You wont sense monotony at at any time of your time (that's what catalogues are for relating to should you request me).*

-- **Jaqueline Kerluke**

*I just started looking at this pdf. It can be rally fascinating throgh studying period of time. Its been printed in an extremely basic way and is particularly only following i finished reading through this publication where in fact altered me, change the way i really believe.*

-- **Mr. Stephan McKenzie**