



Contributions from the Mount Wilson Observatory Volume 3

By Mount Wilson Observatory

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: .depends upon the disruptiveness of the discharge and the lines can be made very narrow by the use of self-induction in the circuit. According to the above hypothesis, any light-source whose radiation is such as to give widened lines should give relatively large pressure displacements. A very high-current arc should give larger displacements than an arc with low current. Also, it should be possible to vary spark displacements by gradually taking out self-induction and increasing the capacity. No systematic experiments on these points have been carried out, and in any case comparative measurements would be difficult by reason of the large difference in the character of the lines produced by very diverse conditions of the same source. For sources widely different in nature, as are the arc and the furnace, differences in radiation can exert their full effect and still lines can be obtained in the...

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