



## Condensation of Vapor as Induced by Nuclei and Ions: Third Report (Classic Reprint) (Paperback)

By Carl Barus

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Condensation of Vapor as Induced by Nuclei and Ions: Third Report In the following report I have given an account of experiments made with a plug-cock fog chamber during the last year and a half. The first chapter summarizes the equations frequently needed and adds other important suggestions relating to the efficiency of the apparatus used for condensation of water vapor suspended in air. I have adduced, in Chapter II, the results of a long series of experiments begun May 9, 1905, to determine whether the colloidal or vapor nucleations of dust-free air show any interpretable variations in the initial regions (ions), which would correspond to variations of a natural radiation entering the chamber from without. The fog-chamber method seems to be too complicated to give trustworthy indications of such changes of ionization as have been since discovered with the aid of the electrical method by Wood and Campbell. An interesting result, however, came out of the experiments in question, as a whole, showing that the vapor nucleation is variable with temperature in the region...



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