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Oceanography and Atmospheric Sci. Meteorology

**A Comprehensive Report on Nineteen Condensation Nuclei. Part 2**

Authors: [Richard D. H. Low](#); [ARMY ELECTRONICS COMMAND WHITE SANDS MISSILE RANGE NM ATMOSPHERIC SCIENCES LAB](#)

**Abstract:** The document contains tabulations of the growth times of condensation nuclei under various assumed supersaturations. The growth time of each nucleus at a given supersaturation is obtained from a newly developed growth rate equation which utilizes a single parameter to denote the hygroscopicity of the nucleus and which includes an additional term to reflect the inefficiency of the condensation process. This volume and its predecessor serve as a valuable reference for the experimental **cloud** physicist in his study of the growth behaviors of condensation nuclei and for the field **cloud** physicist in his selection of the proper artificial nuclei for warm fog or **cloud modification**.

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