

GENEALOGY DATABASE ENTRY

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Pitzer, Kenneth Sanborn

1914 - 1997

DEGREE: PhD

DATE: 1937

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Latimer

applied statistical thermodynamics and spectroscopy to understand properties of organic and inorganic materials; analyzed entropies of hydrocarbons to deduce C-C single bond rotation barriers; studied pseudorotation in cycloalkanes and developed general theory of conformational analysis of cyclohexanes; developed model of fluid behavior and analyzed properties of electrolyte solutions; discovered symmetric hydrogen bonding in KHF_2 ; studied nature of C_3 and higher species in carbon vapor; investigated relativistic effects in chemistry.

1. *McGraw-Hill Modern Scientists and Engineers*; McGraw-Hill: 1980; vol. 2, p425-426.
2. Seymour, R. B.; Fisher, C. H. *Profiles of Eminent American Chemists*; Litarran Enterprises Pty. Ltd.: 1988; p375-377.
3. *J. Chem. Ed.* **1975**, 52, 219-223.
4. Jolly, W. L. *From Retorts to Lasers*; University of California Press: 1987; p144-150.