

# GENEALOGY DATABASE ENTRY

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Rodebush, Worth Huff

1887 - 1959

DEGREE: PhD

DATE: 1917

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Latimer

with Latimer, developed the concept and theory of the hydrogen bond; pioneered the use of infrared absorption methods for studying molecular structures, esp. those involving hydrogen; during WWII helped develop new solid rocket propellants; investigated the quantitative theory of the third law of thermodynamics; studied atomic structures, vapor pressure of metals, entropy of condensed gases, mechanisms of gaseous reactions, statistical mechanics, absolute charge on the earth's surface, and the ionization of electrolytes; measured magnetic moment of atomic hydrogen.

1. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 50, p460-461.
2. *Biog. Mem. Nat. Acad. Sci.* **1962**, 36, 277-288.