

GENEALOGY DATABASE ENTRY

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Pauling, Linus Carl

1901 - 1994

DEGREE: PhD

DATE: 1925

PLACE: CalTech

TEACHER/RESEARCH ADVISOR: Dickinson

Nobel Prize 1954 - for his studies of the nature of the chemical bond; Nobel Peace Prize 1962; invented concepts of hybridization, valence bond theory and electronegativity, and the relationship between interatomic distances and electronic structures and resonance forms; studied oxyhemoglobin and sickle cell anemia; studied proteins and developed the first model of their three-dimensional structure; determined structures of molecules by X-ray and electron diffraction; invented a theory of anesthesia.

1. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p777-778.
2. Personal communication (1989) - confirmed PhD advisor.
3. *McGraw-Hill Modern Scientists and Engineers*; McGraw-Hill: 1980; vol. 2, p400-401.
4. Serafini, A. *Linus Pauling A Man and His Science*; Paragon House: 1991.
5. *Am. Sci.* **1994**, 82, 522-524.
6. *Linus Pauling, Crusading Scientist*; Richter, R., producer; PBS/Richter Productions: 1988; 57 minutes.
7. *Chem. Brit.* **1994**, 30, 861.