

GENEALOGY DATABASE ENTRY

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Rundle, Robert Eugene

1915 - 1963

DEGREE: PhD

DATE: 1941

PLACE: Cal Tech

TEACHER/RESEARCH ADVISOR: Pauling/Sturdivant

studied the structure of starch and its fractions and their iodine complexes; obtained first diffraction pattern ever produced from starch; investigated electron deficient compounds, especially organometallic compounds and interstitial compounds; carried out first X-ray crystal structure determinations of AlMe_3 , BeMe_2 , BeCl_2 , polyiodide salts, the π -complex of silver and benzene, nickel dimethylglyoxime, $\text{Mn}_2(\text{CO})_{10}$, $\text{Re}_2(\text{CO})_{10}$, $\text{Fe}_3(\text{CO})_{12}$, and the FeCl_4^- and $\text{Cu}_2\text{Cl}_6^{2-}$ ions; studied the solid state structures of uranium and thorium and their hydrides, carbides, nitrides, and oxides; investigated hydrogen bonding, magnetic interactions in crystals, and structural chemical theory.

1. Personal communication, G. Stucky (20Apr93).
2. *Chem. Eng. News* **1963**, 41(44), 169.
3. Personal communication, L. Pauling (15Jul93, 7Aug93).
4. Personal communication, V. Shomaker (28Jul93).