

GENEALOGY DATABASE ENTRY

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Daniels, Farrington

1889 - 1972

DEGREE: PhD

DATE: 1914

PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Richards

investigated the oxides of nitrogen, which led to many contributions to chemical kinetics and the development of a gas-fired, magnesia brick, regenerative furnace for producing nitric oxide from air; studied photosynthesis and determined that about 8 photons are absorbed per molecule of CO₂ reduced; investigated the production and application of radioactive isotopes and was the first to measure a kinetic isotope effect for carbon-13; helped develop a new type of radiation dosimeter and investigated the use of thermoluminescence in the study of geological and archeological problems; pioneer in research on solar energy.

1. *American Chemists and Chemical Engineers*; Miles, W. D., Ed.; American Chemical Society: 1976; p110-111.
2. *McGraw-Hill Modern Men of Science*; McGraw-Hill: 1966; vol. 1, p126-127.
3. *Chem. Eng. News* **1953**, 31, 54.
4. *Curr. Biog.* **1965**, 106-108.