

# GENEALOGY DATABASE ENTRY

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Noyes, William Albert

1857 - 1941

DEGREE: PhD

DATE: 1882

PLACE: Johns Hopkins

TEACHER/RESEARCH ADVISOR: Remsen

determined the atomic weight of chlorine; responsible for an exact determination of the hydrogen-oxygen atomic weight ratio, 1.00787:16, which still stands today as one of the most precise chemical determinations ever made; studied the oxidation of benzene derivatives with potassium ferricyanide; developed methods for the determination of phosphorus, sulfur, and manganese in iron; made a complete study of camphor, and was the first to furnish definitive proof of its structure; involved in research on the hydrolysis of maltose and dextrin; studied the preparation of optically active diazo compounds and amine oxides; active in the development of the theory of valence and reactions; founder of *Chemical Abstracts*, first editor of *Chemical Reviews*, and long-time editor-in-chief of *J. Am. Chem. Soc.*

1. *Science* **1941**, 94, 477-479.
2. *J. Am. Chem. Soc.* **1944**, 66, 1045-1056.
3. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 10, p157-158.
4. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 44, p258-259.
5. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. B, p314.
6. *Dictionary of American Biography*; Malone, D., Ed.; Charles Scribner's Sons: 1936; vol. 3 (suppl), p565-566.
7. *Biog. Mem. Nat. Acad. Sci.* **1952**, 27, 179-208.
8. *American Chemists and Chemical Engineers*; Miles, W. D., Ed.; American Chemical Society: 1976; p372-373.