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.