Richards, Theodore William 1868 - 1928

DEGREE: PhD DATE: 1888 PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Cooke

Nobel prize in 1915 for atomic weight determinations of Cu, O, Ba, Sr, Ca, Zn, Mg, Fe, Co, Ag, C, N, and Pb; found atomic weight of lead varied with source, thus confirming theory of isotopes; studied compressibilities and atomic volumes of elements; invented the adiabatic calorimeter and used it to measure many heats of dilution, combustion, dissolution, and neutralization; invented a nephelometer for measuring traces of solids suspended in liquids; investigated physical properties of metal amalgams.