

GENEALOGY DATABASE ENTRY

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Gooch, Frank Austin

1852 - 1929

DEGREE: PhD

DATE: 1877

PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Cooke

devised or perfected a large number of analytical processes and methods; invented the Gooch filtering crucible; studied the quantitative separation of lithium from the other alkali metals, and the estimation of boric acid by distillation with methanol and fixation by calcium oxide; developed methods for estimating molybdenum, vanadium, selenium, and tellurium; studied the use of the paratungstate and pyrophosphate ions in analysis; developed a series of methods for estimating various elements based on the volumetric determination of iodine; discovered a method for the rapid electrolytic estimation of metals.

1. *Biog. Mem. Nat. Acad. Sci.* **1931**, 15, 105-135.
2. *Ind. Eng. Chem.* **1923**, 15, 1088-1089.
3. *Proc. Am. Acad. Arts Sci.* **1935-36**, 70, 541.
4. *Am. J. Sci. (Ser. 5)* **1929**, 18, 539-540.
5. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 12, p329-330.