

GENEALOGY DATABASE ENTRY

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Hempel, Walther Matthias

1851 - 1916

DEGREE: PhD

DATE: 1873

PLACE: Heidelberg

TEACHER/RESEARCH ADVISOR: Bunsen

determined atomic weight of cobalt; developed autoclave for studying inorganic and organic compounds subjected to high pressure and temperature; studied reactions in the lead-chamber process; developed improved gas analyses methods, esp. for acetylene, fluorine, chlorine, nitric oxide, and argon; investigated volcanic gases and prepared synthetic obsidian and pumice; studied recovery of phosphorus and electrolytic production of sodium carbonate; extended Bunsen's laboratory methods and devised Hempel pipette, Hempel burette, and Hempel oven.

1. *Chem. Ber.* **1920**, 53, 121A-143A.
2. *Chem. Ber.* **1917**, 50, 1-3.
3. *Proc. Am. Acad. Arts Sci.* **1951**, 79, 18-19.
4. *Chem. Ztg.* **1917**, 41, 85-87.
5. *Z. Angew. Chem.* **1917**, 30, 1-5.
6. *Neue Deutsche Biographie*; Duncker & Humblot: 1953-1990; vol. 8, p513-514.