

GENEALOGY DATABASE ENTRY

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Morse, Harmon Northrop

1848 - 1920

DEGREE: PhD

DATE: 1875

PLACE: Göttingen

TEACHER/RESEARCH ADVISOR: Hübner

studied permanganate solutions while preparing permanganic acid and studied the evolution of oxygen when oxidizable gases are added to them; made extensive investigations of osmotic pressure, determining what pressures are generated by a given membrane for a range of solutions and temperatures; measured depression of the freezing points of sugar solutions; developed numerous analytical methods, esp. for the determination of barium, chromium, nitric acid, boric acid, and sulfur; made a series of measurements of atomic weights of zinc, calcium, and cadmium.

FOOTNOTE: During Morse's time at Göttingen, Wöhler was retired from active service. The head of the Laboratory was Hübner, and it was with him that most of Morse's advanced chemical work was done.

1. *Proc. Am. Acad. Arts Sci.* **1923**, 58, 607-613.
2. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 16, p69.
3. *Dictionary of American Biography*; Malone, D., Ed.; Charles Scribner's Sons: 1936; vol. 13, p243-244.
4. *Biog. Mem. Nat. Acad. Sci.* **1927**, 21, 1-14.