

GENEALOGY DATABASE ENTRY

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Rose, Heinrich

1795 - 1864

DEGREE: PhD

DATE: 1821

PLACE: Kiel

TEACHER/RESEARCH ADVISOR: Berzelius

discovered Nb; diligently analyzed minerals and other inorganic substances; studied chemistry of Ti, P, As, Sb, S, Se, and Te; carried out analyses of iron in blood and of hydrated salts; discovered that rutile, brookite, and anatase are all forms of TiO_2 ; investigated chemistry of PH_3 ; prepared first pure samples of aluminum; determined first accurate atomic weight for Ti; established composition of MoO_2Cl_2 and WO_2Cl_2 ; discovered SbCl_5 ; wrote influential handbook of analytical chemistry; first trained as a pharmacist.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 11, p540-542.
2. Partington, J. R. *A History of Chemistry*; Macmillan: 1964; vol. 4, p185-190.
3. *Am. J. Sci.* **1864**, 38, 305-330.
4. *J. Chem. Soc. Proc.* **1864**, 17, 437-440.
5. *Chem. News* **1864**, 10(Dec. 10), 286.
6. *Abhandl. K. Akad. Wiss. Berlin* **1865**, 1-31.
7. Prandtl, W. *Deutsche Chemiker in der Ersten Hälfte des Neunzehnten Jahrhunderts*; Verlag Chemie: 1956; p287-301.