

# GENEALOGY DATABASE ENTRY

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Pelouze, Théophile Jules

1807 - 1867

DEGREE: PhD

DATE: 1832

PLACE: Paris

TEACHER/RESEARCH ADVISOR: Gay-Lussac

discovered the first organic nitrile, propionitrile; discovered nitrocellulose and nitrosulfuric acid; investigated chemistry of curare and petroleum; determined the quantity of iron in blood; showed that hydrogen cyanide hydrolyzes to ammonia and formic acid, and that ammonium formate turns to hydrogen cyanide upon heating - this was the first case of the reversible transformation of inorganic and organic substances; studied terpene chemistry, esp. camphor, limonene, and borneol; showed that beet sugar is identical to cane sugar; determined atomic weights of Ba, Sr, As, and Si; studied manufacture of colored glass and gemstones.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 10, p499.
2. Partington, J. R. *A History of Chemistry*; Macmillan: 1964; vol. 4, p395-396.
3. *J. Chem. Soc. Proc.* **1868**, 21, xxv-xxix.
4. *Am. J. Sci.* **1867**, 44, 137-139.
5. *Chem. Ind. (London)* **1945**, 63, 163-165.
6. *Mem. l'Acad. Sci. l'Inst. Fr.* **1873**, 38, ix-lxvi.
7. See Bolton, H. C. *A Select Bibliography of Chemistry 1492-1897 (First Supplement)*; Smithsonian Institute; Kraus Reprint: 1967; Section VIII, p293 for dissertation date.
8. Dumas, J. B. *Discours et Eloges Academiques*; Gauthier-Villars: 1885; vol. 1, p126-198.