

GENEALOGY DATABASE ENTRY

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Hope, Thomas Charles

1766 - 1844

DEGREE: MD

DATE: 1787

PLACE: Edinburgh

TEACHER/RESEARCH ADVISOR: Black

teacher; first to introduce Lavoisier's doctrine in Great Britain; rediscovered strontia and proposed that it contained a new element; investigated barium compounds; invented "Hope experiment" on the maximum density of water and was first to measure the corresponding temperature; disproved contention that liquids do not conduct heat; coined the term xanthogen for the colored substances in plants that turn yellow upon addition of a base.

1. Partington, J. R. *A History of Chemistry*; Macmillan: 1962; vol. 3, p721.
2. *J. Chem. Ed.* **1935**, *12*, 503-511.
3. *A Biographical Dictionary of Scientists*; Williams, T. I., Ed.; Wiley: 1969; p266.
4. *Endeavour* **1944**, *3*, 119-122.
5. *Trans. Roy. Soc. Edinburgh* **1848**, *16*, 419-434.
6. *Ambix* **1969**, *16*, 66-80.
7. *Med. History* **1967**, *11*, 186-189.
8. *An Eighteenth Century Lectureship in Chemistry*; Kent, A., Ed.; Jackson, Son & Co.: 1950; p157-163.