GENEALOGY DATABASE ENTRY

Johnson, Samuel William 1830 - 1909

DEGREE: MA (Honorary) DATE: 1857 PLACE: Yale
TEACHER/RESEARCH ADVISOR: Norton, J. P.

instrumental in establishing Connecticut's Agricultural Experimental Station in 1877, the first in North America - its success led to the establishment of these stations in many other states; one of the first to place a monetary value on commercial fertilizers based upon his analyses and the cost of their essential elements; wrote "How Crops Grow", which was read widely and translated for use world-wide; studied chemistry and its application to agriculture; devised apparatus for the determination of carbon dioxide and for extraction by volatile solvents; best known for improving the Kjeldahl method for determining nitrogen in proteins.

FOOTNOTE: Johnson studied under Norton and others from 1849-1853; he then went to Europe and studied with Erdmann, Liebig, and others from 1853-1855. Upon his return to Yale in 1855 he was appointed as first assistant in charge of the Yale Analytical Laboratory, and the following year as Professor of Agricultural Chemistry at Yale.

1. Degree and date confirmed by Yale Archives (12May93).
2. *Am. Chem. J.* **1909**, *42*, 474-475.
3. *Science* **1909**, *53(new series 30)*, 385-389.
4. *Proc. Am. Chem. Soc.* **1909**, *31*, 106-107.
5. *Dictionary of American Biography*; Malone, D., Ed.; Charles Scribner's Sons: 1936; vol. 10, p120-121.
6. *Am. J. Sci.* **1909**, *178(ser. 4)*, 405-406.
7. Chittenden, R. J. *History of the Sheffield Scientific School of Yale University 1846-1922*; Yale Univ. Press: 1928; vol. 1, p197-204.
8. *American Chemists and Chemical Engineers*; Miles, W. D., Ed.; American Chemical Society: 1976; p249-250.