

GENEALOGY DATABASE ENTRY

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Sherman, Henry Clapp

1875 - 1955

DEGREE: PhD

DATE: 1897

PLACE: Columbia

TEACHER/RESEARCH ADVISOR: Ricketts

known for his precise quantitative studies of vitamins, minerals, and other essential nutrients; provided experimental evidence that enzymes are essentially pure protein in nature; studied the properties, activity, and purification of the digestive enzymes, the efficiency of proteins in the human diet, and the protein requirements of man; demonstrated that cystine was an essential amino acid; established the average human requirements for calcium, phosphorus, and iron; best-known result was the assertion that spinach renders calcium useless because it contains relatively large amounts of oxalic acid; discovered a way to induce and control rickets experimentally during his investigations of vitamin D; developed techniques for assaying vitamins A, B₁, B₂, and C.

1. Research advisor confirmed by dedication in thesis.
2. *Biog. Mem. Nat. Acad. Sci.* **1975**, 46, 396-429.
3. *Dictionary of American Biography*; Malone, D., Ed.; Charles Scribner's Sons: 1936; Suppl. 5, 622-623.
4. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 45, p170-171.
5. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; Suppl. D, p65-66.
6. *J. Nutrition* **1957**, 61, 1-11.
7. *Current Biography* **1949**, 565-567.
8. *J. Chem. Ed.* **1955**, 32, 510-513.