

# GENEALOGY DATABASE ENTRY

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Haworth, Walter Norman

1883 - 1950

DEGREE: PhD/DSc                      DATE: 1910/1911      PLACE: Göttingen/Manchester

TEACHER/RESEARCH ADVISOR: Wallach/Perkin

Nobel Prize 1937 (with P. Karrer) for his work on carbohydrates and for his synthesis of vitamin C; investigated terpene chemistry, including work on derivatives of menthane and sylvestrene and condensations of aldehydes and ketones; discovered a new method of preparing the methyl ethers of sugars by use of methyl sulfate and alkali; studied the structures of disaccharides, including lactose and sucrose, and the nature of the ring systems present in simple sugars; coined the name ascorbic acid for vitamin C; introduced the end-group method of analysis for determining the fine structure of polysaccharides and the size of the repeating units; worked on the chain structure of cellulose.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; p373-404.
2. *Adv. Carbohydrate Chem.* **1951**, 6, 1-9.
3. *J. Chem. Soc.* **1951**, 2790-2806.
4. *Obit. Not. Fell. Roy. Soc.* **1950-51**, 7, 373-404.
5. *Nature* **1950**, 165, 587.
6. *Chem. Ind.* **1950**, 351.
7. *Nobel Laureates in Chemistry 1901-1992*; James, L. K., Ed.; American Chemical Society: 1993; p236-241.