

GENEALOGY DATABASE ENTRY

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Staudinger, Hermann

1881 - 1965

DEGREE: PhD

DATE: 1902

PLACE: Halle

TEACHER/RESEARCH ADVISOR: Vorländer

Nobel Prize 1953; discovered and elucidated chemistry of the ketenes; identified compound responsible for the aroma of coffee, furfuryl mercaptan; confirmed long-chain nature of polymers; coined the word macromolecule; pioneered viscosity and sedimentation velocity measurements to determine polymer molecular weights; established the constitution of rubber; studied the structure of cellulose; synthesized the polyoxymethylenes and polyacrylates and intensively investigated all the major natural and synthetic polymers.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 13, p1-4.
2. *A Biographical Dictionary of Scientists*; Williams, T. I., Ed.; Wiley: 1969; p491-492.
3. *Chem. Ind. (London)* **1967**, 250-271.
4. *Nature* **1965**, 208, 626-627.
5. *J. Chem. Ed.* **1951**, 28, 120-122.
6. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p682-683.
7. Staudinger, H. *From Organic Chemistry to Macromolecules*; Mark, H. F., transl.; Wiley-Interscience: 1970.
8. Staudinger, H. *Arbeitserinnerungen*; A. Huthig: 1961.