GENEALOGY DATABASE ENTRY

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Conant, James Bryant

1893 - 1978

DEGREE: PhD DATE: 1916 PLACE: Harvard TEACHER/RESEARCH ADVISOR: Kohler/Richards

investigated mechanism of mustard gas synthesis and S_N^2 reactions; discovered presence of copper in hemocyanin and showed that the prosthetic group was non-porphyrinic but contains sulfur; deduced that chlorophyll is a reduced porphyrin ring; showed that hemoglobin contains Fe(II) and methemoglobin contains Fe(III); pioneered study of superacid solutions; studied high pressure polymerization of olefins; first to clearly distinguish kinetic and thermodynamic controls and the relationship between equilibrium constants and reaction rates; determined pK_a's of weak acids such a cyclopentadiene; synthesized di-tert-butyl-tetraphenylethane; ambassador to post-war Germany; critic of American educational system.

FOOTNOTE: Conant obtained a double PhD thesis: two years at "half-time" with Kohler and one year at full-time with Richards.

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- 2. Org. Synth. 1978, 58, vii-xi.
- 3. Chem. Brit. 1979, 251-252.
- 4. Nature 1978, 273, 793-795.
- 5. Dictionary of Scientific Biography; Charles Scribner's Sons: 1970-1990; vol. 17, p175-178.
- 6. J. Chem. Ed. 1972, 49, 411-412.
- 7. Biog. Mem. Fell. Roy. Soc. 1979, 25, 209-232.
- 8. Conant, J. B. My Several Lives; Harper & Row: 1970.