

GENEALOGY DATABASE ENTRY

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Bartlett, Paul Doughty

1907 - 1997

DEGREE: PhD

DATE: 1931

PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Conant

proved that halogenation of alkenes proceeds in two steps; studied bridgehead carbonium ions and discovered hydride transfer between them; discovered triptycene and tri-*t*-butylmethanol; studied 2+2 cycloadditions; studied reaction of singlet O₂ with alkenes and decomposition of peroxy radicals; studied mechanism of polymerization of styrene, vinyl acetate, and allyl esters, and mechanism of decomposition of benzoyl peroxide, azo compounds, and peresters; measured lifetimes and spin states of pairs of free radicals; synthesized insect repellants; studied chemistry of sulfur allotropes, esp. S₆; discovered insertion of ethylene into secondary and tertiary alkyl lithiums.

1. *McGraw-Hill Modern Scientists and Engineers*; McGraw-Hill: 1980; vol. 1, p56-58.
2. *Chem. Eng. News* **1951**, 29, 5044-5046.
3. *Chem. Eng. News* **1976**, 54(4), 28.
4. Bartlett, P. D. *P. D. and the Bartlett Group at Harvard*; Privately printed: 1975.
5. See *J. Am. Chem. Soc.* **1932**, 54, 2853 and 2881 for confirmation of PhD advisor.
6. *Chem. Eng. News* **1997**, 75(45), 45.