

# GENEALOGY DATABASE ENTRY

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Sheehan, John Clark

1915 - 1992

DEGREE: PhD

DATE: 1941

PLACE: Michigan

TEACHER/RESEARCH ADVISOR: Bachmann

first total synthesis of a natural penicillin and devised a general route to the class; introduced carbodiimide synthesis of beta-lactams and peptides; determined structures of several antibiotics and the last two natural amino acids -- hydroxylysine and hydroxyproline; synthesis and reactions of alpha-lactams; second example of homogeneous asymmetric catalysis; synthetic peptide models of enzyme active sites.

1. *McGraw-Hill Modern Scientists and Engineers*; McGraw-Hill: 1980; vol. 3, p105-106.
2. *Chem. Eng. News* **1951**, 29, 1006.
3. *Biopolymers* **1986**, 25, S1-S10.
4. *Chem. Brit.* **1993**, 29, 152.
5. Sheehan, J. *The Enchanted Ring; The Untold Story of Penicillin*; MIT: 1982.
6. *Chem. Eng. News* **1992**, 70(13), 6.