GENEALOGY DATABASE ENTRY

Stork, Gilbert 1921 -

DEGREE: PhD DATE: 1945 PLACE: Wisconsin
TEACHER/RESEARCH ADVISOR: McElvain

contributed to the development of stereoselective syntheses, which led to the total synthesis of many complex natural products, such as prostaglandins and erythromycin derivatives; developed many new synthetic methods, such as the regiospecific formation of carbon-carbon bonds *alpha* to a carbonyl group; contributed to the area of mechanistic and stereochemical studies, such as the investigation of the S_N2' reaction, the stereochemistry of the Favorskii rearrangement of α-haloketones, the mechanism of the racemization of usnic acid, and the work on the Stork-Eschenmoser hypothesis that the stereochemistry of a bicyclic cation made by a concerted reaction from an acyclic triene must be a trans bicyclic system.

1. *Heterocycles* **1987**, *25(1)*, 1-6 and i-iii.
2. *Aldrichimica Acta* **1982**, *15(1)*, 3-10.