

GENEALOGY DATABASE ENTRY

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Burton, Milton

1902 - 1985

DEGREE: PhD

DATE: 1925

PLACE: New York Univ.

TEACHER/RESEARCH ADVISOR: Rice, F.

studied the use of potential energy functions of molecules for the interpretation of photochemical and kinetic mechanisms; founded the field of radiation chemistry - the study of the chemical effects of high-energy radiation; investigated the effects of radiation on organic compounds and solid materials, effects of resonance in aromatics, intermolecular energy transfer, and the relations between radiation chemistry and photochemistry; demonstrated that the photochemical excited states which luminesce are not created directly by the radiation but have precursors; investigated processes in gases excited by glow discharges.

1. *J. Phys. Chem.* **1972**, *76*, pages immediately preceding 7A.
2. Biographical information supplied by the Dept. of Chemistry, Notre Dame Univ. (3Sept93).