

GENEALOGY DATABASE ENTRY

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Hammett, Louis Plack

1894 - 1987

DEGREE: PhD

DATE: 1923

PLACE: Columbia

TEACHER/RESEARCH ADVISOR: Beans

contributed to physical organic chemistry through his work on the speed of chemical processes and the arrangement of atoms within molecules; developed the Hammett equation which involves the effect of certain kinds of change in structure on the reactivity of a wide range of substances; clarified the theory of acidity which enabled chemists to treat the reactions of acids and bases quantitatively in a range of systems previously not available; carried out extensive studies of the rates of the hydrolysis of esters and alkyl chlorides, and the halogenation of ketones.

1. *McGraw-Hill Modern Men of Science*; McGraw-Hill: 1966; vol. 1, p210-211.
2. *Chem. Eng. News* **1961**, 39(15), 98.