

# GENEALOGY DATABASE ENTRY

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Lochte, Harry Louis

1892 - 1976

DEGREE: PhD

DATE: 1922

PLACE: Illinois

TEACHER/RESEARCH ADVISOR: Noyes, W. A./Bailey

investigated the chemistry of polar components of petroleum and shale oil, resulting in the isolation and identification of more than fifty compounds, including many naphthenic acids; developed new methods and techniques, esp. for fractionation of complex materials; invented the spinning band distillation column; discovered the steric hindrance effects of  $\beta$ -methyl groups in organic acids and related compounds resulting in the chemical inactivity of the functional group; prepared the first stable ketimine; showed that the isoprenoid structure was common to components of shale oil, thus giving further evidence of the origin of petroleum from plants.

1. Research advisor confirmed on acknowledgement page of PhD thesis.
2. *Report of the Memorial Resolution Committee for Harry Louis Lochte, University of Texas, Austin, 2Sept1977.*