

# GENEALOGY DATABASE ENTRY

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Pimentel, George Claude

1922 - 1989

DEGREE: PhD

DATE: 1949

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Pitzer

discovered the chemically pumped laser; developed the matrix isolation method for the spectroscopic detection of unstable molecules; developed rapid-scan IR techniques; designed IR spectrometer for the 1969 Mariner spacecraft to determine the composition of the atmosphere of Mars; studied chemiluminescence and spectroscopic mapping of reaction potential energy surfaces.

1. Seymour, R. B.; Fisher, C. H. *Profiles of Eminent American Chemists*; Litarran Enterprises Pty. Ltd.: 1988; p370-372.
2. *J. Chem. Ed.* **1974**, *51*, 224-228.
3. *Chem. Eng. News* **1988**, *66(16)*, 17-20.
4. *Chem. Eng. News* **1989**, *67(41)*, 29.
5. *EPA Newsletter* **1989**, *36(Jul)*, 4-5.
6. Jolly, W. L. *From Retorts to Lasers*; University of California Press: 1987; p189-195.