

GENEALOGY DATABASE ENTRY

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Flygare, Willis Horney

1936 - 1981

DEGREE: PhD

DATE: 1961

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Gwinn

pioneered the technique of molecular Zeeman spectroscopy, using it to measure molecular quadrupole moments and magnetic susceptibility moments; showed, for the first time, the presence of formamide in interstellar space; devised a new and rapid method for determining electrophoretic mobilities and diffusion constants of large molecules; created a highly sensitive method for observing the direct rotational transitions of weak, transient molecular complexes.

1. Documents on file in the Univ. of Illinois School of Chemical Sciences, Physical Chemistry Division Office.
2. *Physics Today* **1981**, 34(Sept.), 114-115.
3. *Chem. Eng. News* **1981**, 59(28), 26.