

GENEALOGY DATABASE ENTRY

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Phipps, Thomas Erwin

1896 - 1990

DEGREE: PhD

DATE: 1921

PLACE: Berkeley

TEACHER/RESEARCH ADVISOR: Gibson

made pioneering demonstrations by Stern-Gerlach techniques of spatial quantization of hydrogen and oxygen atoms, confirming the hypothesis of the electron spin; discovered small periodic deviations from the Schottky theory of thermionic emission which result from quantum effects; made the first measurements of vapor pressure of plutonium and some of its compounds; studied the kinetics of gaseous effusions from orifices and investigations of the anomalies in the chemistry of boron.

1. Dedication Plaque in the Library in the Univ. of Illinois School of Chemical Sciences at Urbana.