

# GENEALOGY DATABASE ENTRY

©Vera V. Mainz and Gregory S. Girolami 1998

Taylor, Hugh Stott

1890 - 1974

DEGREE: MSc

DATE: 1910

PLACE: Liverpool

TEACHER/RESEARCH ADVISOR: Donnan/Bassett

developed the concept of active centers on catalytic surfaces; established that chemisorption is frequently not a rapid process but requires activation; showed that hydrogen atoms were often key intermediates in the reactions of H<sub>2</sub> on metal surfaces; discovered the conversion of heptane to toluene over chromium oxide; led the field in the large-scale isolation of heavy water after the discovery of deuterium and established the value of stable isotopes as a tool for fundamental studies in adsorption, catalysis, and kinetics.

1. *Biog. Mem. Fell. Roy. Soc.* **1975**, *21*, 517-547.
2. *Chem. Brit.* **1975**, *11*, 370-371.
3. *Nature* **1974**, *251*, 266.