

Henry C. Goldwire, Jr.

Education

Rice University, Houston, TX

Ph. D. Space Physics and Astronomy May, 1967

B. A. Physics June, 1963

Doctoral Dissertation: *Microwave Radiation of Singly Charged Helium 3 from H II Regions* (Sigma Xi award for best dissertation in physical sciences, 1967).

Employment Summary

Bechtel Nevada (DOE Nevada Test Site) 2002-2007
Chairman, Test Advisory Committee, Scientific Advisor, Non-Proliferation
Technology Evaluation Center

Lawrence Livermore National Laboratory March, 1980 – June, 2002 (retired)

Project Leader, Remote Sensor Test Range (1994-2002)
Project Scientist, Source Physicist/Designer, Test Director

Nuclear Containment Program Physicist in the Earth Sciences Division

Hydrodynamic Yield Physicist for the Treaty Verification Program (1987-94)
Member, US Threshold Test Ban Treaty Verification Cadre (1987-present)
Measurement Scientist, Joint Verification Experiment at NTS 1988
and Semipalatinsk, USSR, 1988.
Participant, US Delegation, Nuclear Testing Talks (Geneva, 1988)

Project Scientist, Liquid Gaseous Fuels (LGF) Spill Test Program (1980-87)
Test Director for Large-Scale Chemical Spill Test Series, multiple release
series involving LNG, NH₃, HF, and N₂O₄

Los Alamos National Laboratory March, 1975 - March, 1980

Hydrodynamic Physicist in Nuclear Testing Program
Codeveloper of CORRTEX verification technology for TTBT & PNET
Member, PNET Verification Cadre, including first verification team
Member, LANL Institutional Computer Management Committee

Rice University Sept, 1968 - March, 1975

Assistant Professor, Space Sciences Department
Radioastronomy research program
Elected Member, Faculty Senate (2 years)
University Computer Committee (3 years)

California Institute of Technology Sept, 1967 - June, 1968

Research Fellow, Kellogg Radiation Laboratory

Memberships

International Astronomical Union (gold, life member)
American Physical Society (life member)