

BRIEF BIOGRAPHICAL SKETCH OF H. TRACY HALL

H. Tracy Hall
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Born 20 October 1919 in Ogden, UT to Howard Hall and Florence Tracy

Married to Ida-Rose Langford on 24 September 1941 in Salt Lake City, UT

Children: Sherlene (Bartholomew), H. Tracy, Jr., David R., Elizabeth (Neil), Virginia (Wood), Charlotte (Weight), Nancy (Mecham)

Education: B.S., M.S., Ph.D., University of Utah, 1942, 1943, and 1948 respectively with a major in Physical Chemistry and a minor in Physics. Special training in electronics at Bowden College, M.I.T., Harvard, and Honolulu Naval Base during World War II as an Ensign in the U.S. Navy.

Employment: 1955-80 Brigham Young University, Director of Research 1955-67, Distinguished Professor 1967-80
General Electric Research laboratories, Schenectady 1948-55

Business: Co-founder of Smith-Megadiamond (current name) 1966

Primary Achievements, Honors, etc.:

First to design an apparatus capable of developing pressures of 1.2 million p.s.i. simultaneously with temperatures of 2700 degrees F.

First to synthesize diamond from graphite.

Recipient of about 50 awards, honors, and distinctions, national and international.

About 100 peer reviewed published papers in scientific journals.

Nineteen U.S. patents with sixty corresponding foreign patents.

Registered U.S. Patent Agent No. 29,800.

Over a period of time consulted for almost one hundred organizations interested in high pressure, high temperature research.