

*H. Tracy Hall  
Award for Creative Inventions  
(see last page)*

# AWARDS PROGRAM



## *Dinner and General Meeting*

Monday, April 10, 1972

Grand Ballroom

Sheraton-Boston Hotel

163rd National Meeting

AMERICAN CHEMICAL SOCIETY

BOSTON, MASSACHUSETTS

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# 1972



AMERICAN CHEMICAL SOCIETY AWARD

FOR CREATIVE INVENTION

H. Tracy Hall

Brigham Young University

... for being the first to discover a reproducible reaction system for making synthetic diamonds from graphite, and for the concept and design of a super high pressure apparatus which not only made the synthesis possible, but brought about a whole new era of high pressure research.

John T. Maynard

Chairman, Committee on Patent Matters  
and Related Legislation, ACS

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AMERICAN CHEMICAL SOCIETY AWARD

IN THE CHEMISTRY OF PLASTICS AND COATINGS

SPONSORED BY BORDEN FOUNDATION, INC.

Richard S. Stein

University of Massachusetts

... for the conception and development of rheo-optics, an important new science for the correlation of structure-property relationships for polymers.

Raymond J. Lodge

Group Vice President, Polymers & Chemicals  
Chemical Division  
Borden Inc.

## Dr. Tracy Hall to Get Chemical Society Award

Dr. H. Tracy Hall, distinguished professor at Brigham Young University, will receive the American Chemical Society's Award for Creative Invention at the 163rd national meeting of the organization in the Sheraton-Boston Hotel Monday. He will also deliver a major address.

The award, given to the inventors for work contributing "to the material prosperity and happiness of people," recognizes Dr. Hall's outstanding achievements in developing the high-pressure, high-temperature apparatus needed to synthesize diamonds. The major industrial uses of synthetic diamonds are for grinding grits, diamond saws, and oil well drilling bits.

### Synthesizes Diamonds

Dr. Hall was a chemist with the U.S. Bureau of Mines in Salt Lake City for three years before he joined the General Electric Research Laboratory in Schenectady, N.Y., where he first synthesized diamonds in 1954. He was named director of research and professor of chemistry at Brigham Young in 1955 and was appointed to his present position in 1967. Dr. Hall is also president of Megadiamond Corporation, Provo, Utah.

Winner of the 1970 Chemical Pioneer Award of the American Institute of Chemists, Dr. Hall also has received the Modern Pioneers in Creative Industry Award from the National Association of Manufacturers,



DR. H. TRACY HALL

the Utah Award from the ACS Central Utah and Salt Lake Sections, the James E. Talmage Scientific Achievement Award and the honorary doctor of science degree from Brigham Young University.

He is the author or co-author of more than 70 scientific articles and some 15 patents. A member of the American Chemical Society since 1947, he served as 1959 chairman and 1963 councilor of the ACS Salt Lake Section. He is also a member of the American Association for the Advancement of Science, the American Physical Society, Sigma Xi, and the Utah Academy of Sciences, Arts and Letters.

Harrisburg 7 Jury