

Heinz Heinemann (1913-2005)
Industrial Scientist and Educator, An Exemplary Career in Catalysis

Tom Degnan

ExxonMobil Engineering and Research, Clinton, New Jersey

Background

- Born in Berlin, Germany in 1913
- Ph.D. in Chemistry from University of Basel, Switzerland in 1937
- Emigrated to the United States in 1938
- United States citizen in 1944

Professional Accomplishments

- Founding member of the Philadelphia Catalysis Club
- Founding member of the Catalysis Society of New York
- Executive Secretary of the 1st International Congress on Catalysis, Philadelphia, 1956
- President of the International Congress on Catalysis from 1956 to 1960
- Member of the Spanish Society for Research for his efforts in founding its Institute of Catalysis and Petrochemistry
- Honorary Chairman-2005 North American Meeting of the Catalysis Society
- Founding Editor of Catalysis Reviews
- Consulting editor for over 90 books in the Chemical Industries Series, Marcel Dekker
- Manager of the Washington branch of the American Chemical Society
- President, Retired Chemists Group

Industrial Catalysis

- Career spanned 40+ years of direct association with the petroleum and chemical industry in research and executive positions
- Directly associated with 14 new industrial catalytic processes, several early ZSM-5 processes:
 - Methanol-to-Gasoline (MTG)
 - M-Forming
 - M2-Forming
- Manager, Catalysis Research 1972-1978
- Retired from Mobil Research and Development in 1978

University Research

- Joined Lawrence Berkeley National Lab and University of California, Berkeley in 1978

Awards

- American Chemical Society Award in Industrial and Chemical Engineering
- Eugene Houdry Award of the North American Catalysis Society
- Murphree Award of the American Chemical Society
- Lowry Award of the US Department of Energy
- Member, National Academy of Engineering