



In Memoriam (2011-2013)





Jeffrey S. Beck

(1962-2012)



- ***Co-inventor: MCM-41, p-xylene synthesis process***
- ***NACS Eugene Houdry Award***
- ***Breck Award: International Zeolite Association***
- ***Heroes of Chemistry Award, American Chemical Society; Thomas Alva Edison Award***
- ***National Academy of Engineering***



Michel Boudart

(1924-2012)



- ***Professor emeritus, Stanford University***
- ***Brought catalysis, as a science, to chemical engineering in the US***
- ***The guiding force in the field of heterogeneous catalysis for more than forty years***
- ***Mentored over 70 PhD students and 100 postdocs***
- ***National Academy of Science and National Academy of Engineering***

Dennis A. Dowden

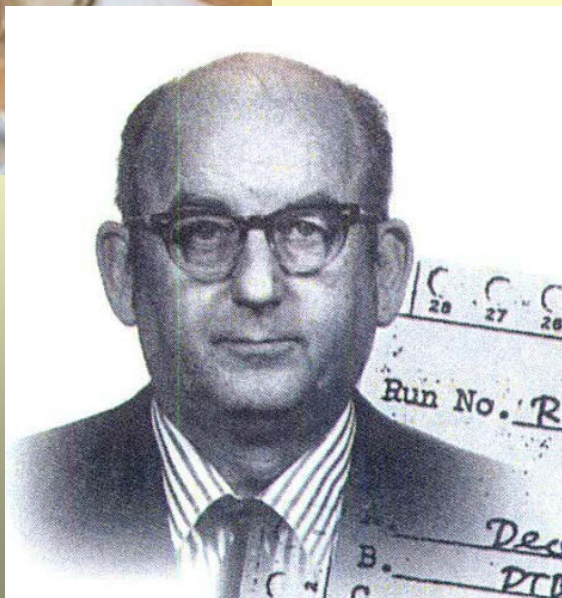
(1914-2012)



- ***ICI-Billingham Research Chemist and Research Fellow, Edinburgh University***
- ***Pioneering catalysis researcher and first proponent of the electronic theory of catalysis***
- ***Chemical Society (UK) Industrial Medal; F. G. Ciapetta Lecturer (NACS)***
- ***ICC Diploma in Recognition of Lifetime Service to Community of Catalytic Scientists***

William E. Garwood

(1919-2011)



- ***Consultant for ExxonMobil***
- ***Retired from Mobil in 1987***
- ***Pioneering research in organic chemistry ... basis for the development of Mobil 1 and other synthetic oils***
- ***Co-inventor of more than 100 patents***



D. Wayne Goodman

(1945–2012)



- ***Professor at Texas A&M University***
- ***Developed models of metal/oxide interfaces that have become valuable tools for imaging and imagining the structure of supported heterogeneous catalysts (> 500 publications)***
- ***ACS Ipatieff Prize and Somorjai Award in Catalysis***
- ***NACS Burwell Lecturer***

László Guczi

(1932–2012)



- ***Professor at the University of Szeged and the Budapest University of Technology***
- ***Developed the “Double Labeling Method” and applied it in the study of the mechanism of the selective hydrogenation of acetylene and butadiene***
- ***More than 400 research papers, 12 books and chapters***



James R. Katzer

(1941–2012)



- ***ExxonMobil: Technology Vice President, Catalyst and Process R&D Manager***
- ***Professor, University of Delaware, Co-Founder Catalysis Center***
- ***National Academy of Engineering***
- ***Co-author of classic catalysis textbook***

Charles L. Kibby

(1938-2013)



- ***40-year career at Gulf and Chevron and active consultant in areas of catalyst design and characterization***
- ***Pioneer Fischer-Tropsch synthesis researcher and inventor of the Gulf-Badger process***
- ***Prolific inventor with more than 60 patents and 50 scientific publications***

Edmond I. Ko

(1952–2012)



- ***Professor and Vice Provost for Education at Hong Kong University of Science and Technology (HKUST)***
- ***Professor of Chemical Engineering at Carnegie Mellon University***
- ***Over 100 publications in the area of surface science and catalysis***



Consuelo Montes

(1952–2012)



- ***Professor at the University of Antioquia, Medellin, Colombia***
- ***Breck Award, International Zeolite Association (recognizing first 18-ring molecular sieve)***
- ***Broad research interests and contributions in environmental catalysis***

Milton Orchin

(1915–2013)



- ***Pioneer and prolific author in areas of hydroformylation and related catalytic processes***
- ***Professor, University of Cincinnati***
- ***Director, Hoke S. Greene Laboratory of Catalysis***
- ***Co-author of 7 books. 15 reviews, more than 200 scientific publications and 20 patents***

José M. Parera

(1930–2012)



- ***Director , Institute of Catalysis and Petrochemistry (INCAPE), Santa Fe, Argentina***
- ***Editorial Board of Catalysis Reviews Science and Engineering, Applied Catalysis***
- ***Bernardo Houssay Research Award***
- ***Kopex Award Science and Technology***

Fernando Ramôa Ribeiro

(1945–2011)



- ***Professor at Instituto Superior Técnico, in Lisbon***
- ***Member of the Scientific Council and VP of EFCATS***
- ***Research interest in catalysis on zeolites***
- ***Authored over 200 scientific papers, co-authored 6 books***



Haldor Topsøe

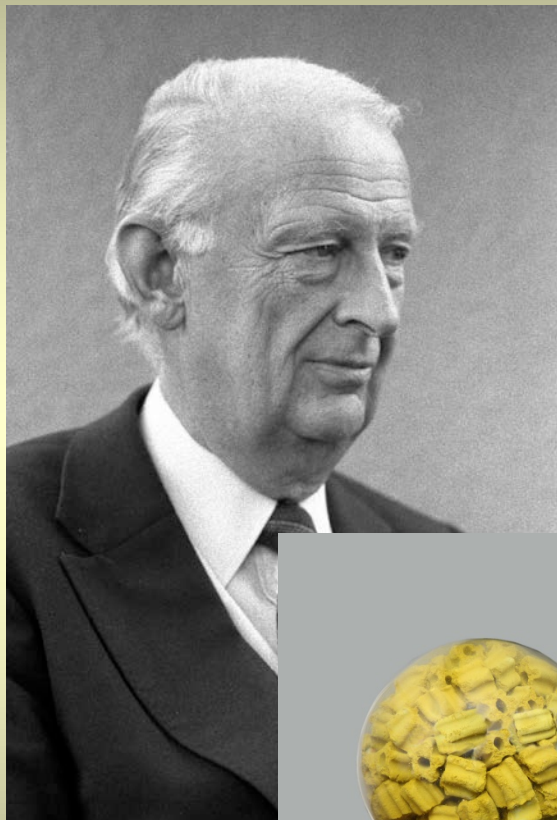
(1913-2013)



- ***Founder and Chairman of leading catalyst technology company***
- ***Champion of fundamentals in the practice of industrial catalysis***

Haldor Topsøe

(1913-2013)



- ***Founder and Chairman of leading catalyst technology company***
- ***Champion of fundamentals in the practice of industrial catalysis***



» ***One of most influential public voices about the value of science and technology in improving quality of life and the human condition***

Jean-Claude Volta

(1946–2011)



- ***Institut de Recherches sur la Catalyse (IRC), CNRS , Lyon***
- ***Major contribution in “structure sensitivity” of metallic oxides for catalytic selective oxidation of hydrocarbons. His case study was MoO₃ single crystals***
- ***More than 150 publications and patents in the field of oxidation catalysis***

Paul B. Weisz

(1919–2012)



- ***Senior Scientist and Manager,
Mobil Central Research Laboratory***
- ***Pioneer of “shape-selective
catalysis” concept, set the
foundations for zeolite catalysis***
- ***ACS E. V. Murphree Award in
Industrial Chemistry***
- ***ACS Langmuir Distinguished
Lecturer Award***
- ***Perkin Medal***
- ***National Medal of Technology (1992)***



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*.... and our thoughts and memories
for all those others
we have lost*

*... and for those to whom they were
so dear*

Acknowledgment: Hong-Xin Li