

## H.J. MELOSH

BORN: June 23, 1947, Paterson, New Jersey

ATTENDED: Princeton University, 1965-1969, A.B. (physics) magna cum laude  
Caltech 1969-1972, Ph.D. (physics and geology)

### *Academic Experience*

Graduate Teaching Assistant, Caltech, 1969-1971  
Visiting Scientist, CERN (Geneva, Switzerland), 1971-1972  
Research Associate, University of Chicago, Enrico Fermi Institute, 1972-1973  
Instructor in Geophysics and Planetary Science, Caltech, 1973-1975  
Assistant Professor of Planetary Science, Caltech, 1976-1978  
Associate Professor of Planetary Science, Caltech, 1978-1979  
Associate Professor of Geophysics, SUNY, Stony Brook, 1979-1982  
Associate Professor of Planetary Science, Univ. of Arizona, 1982-1985  
Professor of Planetary Science, Univ. of Arizona, 1985-present  
Halbouty Distinguished Visiting Chair, Texas A&M University, October, 2000  
Regents Professor of Planetary Science, Univ. of Arizona, January, 2004.  
Distinguished Professor of Earth and Atmospheric Science, Purdue University,  
August, 2009.

### *Fellowships and Honors:*

Phi Beta Kappa  
Sigma Xi  
NSF Fellowship, 1969-1972  
Best Scientific Secretary Prize, Int'l Summer School of Theoretical  
Physics, Erice, Sicily, 1972  
Fellow of the Meteoritical Society (July, 1988)  
Fellow of the Geological Society of America (November, 1988)  
AGU Editor's Citation for Excellence in Refereeing, Tectonics (July,  
1989)  
Fellow of the American Geophysical Union (January 1993)  
Paul Simon Guggenheim Fellow, 1996-1997.  
Barringer Medal of the Meteoritical Society, 1999  
Asteroid 8216 name "Melosh" Approved by the IAU, 2000  
Gilbert Award of the Geological Society of America, 2001  
Fellow of the American Association for the Advancement of Science,  
October 2001  
Member, National Academy of Sciences, Elected 29 April 2003  
Humboldt Prize Fellowship, August 2005-2006  
Hess Medal of the American Geophysical Union, 2008  
Leon Blitzer Teaching Award, January 2009  
Sigma Xi Research Award, April 2010  
American Academy of Arts and Sciences, April 2011

*Member:* American Geophysical Union  
Geological Society of America  
Meteoritical Society  
American Astronomical Society, Division of Planetary  
Sciences  
AAAS

***National and International Committees and Panels***

Lunar and Planetary Review Panel, 1980-1983  
COMPLEX 1982-1985  
NASA Planetary Geology & Geophysics Working Group, 1984-1986  
IASPEI commission on Quantitative Methods in Geodynamics, member  
1984-present  
Ames Vertical Gun Steering Committee, 1984-present  
Planetary Geology Strategy Committee, 1986-1988  
Associate Editor, JGR Solid Earth, 1987-1989  
Editor, Reviews of Geophysics, Dec. 1988-1992  
Member, Origin of Sedimentary Basin Task Force, International  
Lithosphere Program, French Petroleum Institute, Malmaison,  
France  
Lunar and Planetary Review Panel, 1991-1993  
Scientific Observer, European Science Foundation, Network on "The  
role of impact processes in the geological and biological evolution of  
planet Earth". 1993-1996.  
Planetary Geology and Geophysics Management Operations Working  
Group, 1991-1995.  
Editorial Committee, Annual Reviews of Earth and Planetary Science,  
1997-2006.  
AGU Macelwane Award Committee, 1998-1999.  
Dwornik Prize Judge, 1999.  
Strategic Planning Group of the SETI Institute, 2000-2002  
Hess Award Committee, AGU 2000-2002  
Consultant to the Hayden Planetarium of the American Museum of  
Natural History, 2003-2005  
NRC Panel, Defending Planet Earth, 2009-2010.  
NRC Panel, Steering Committee, Evaluation of NASA Technology  
Roadmaps, 2010-2011.

***PhD Graduate Students Supervised***

W. B. McKinnon  
A. M. Vickery  
D. M. Janes  
C. A. Williams  
W. B. Tonks  
E. A. Ryan

M. Wallace  
E. Asphaug  
E. Pierazzo  
A. M. Freed  
E. P. Turtle  
J. N. Head  
J. E. Richardson  
G. D. Bart  
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## BIBLIOGRAPHY

Papers in Peer-Reviewed Journals

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- MELOSH, H.J. (1978) The tectonics of mascon loading. *Proc. 9th Lunar Science Conf.*, pp. 3513-3525.
- MELOSH, H.J. (1978) Reply [to J.C. Savage and W. Prescott]. *J. Geophys. Res.* **83**, 5009-5010.
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- MELOSH, H.J. (1980) Tectonic patterns on a reoriented planet: Mars. *Icarus* **44**, 745-751.
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