

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Gary E. Lofgren

ORAL HISTORY: 22 April 2009, 10 June 2009, 1 October 2009

EDUCATIONAL BACKGROUND:

B.S. in Geology, Stanford University, Stanford, CA, 1963

M.A. in Geology, Dartmouth College, Hanover, NH, 1965

Ph.D. in Geology Stanford University, Stanford, CA, 1969

PRE-NASA EXPERIENCE:

Dartmouth College, Hanover, NH (1963-1965)

- Research Assistant Geologist

U.S. Army Corps of Engineers, Engineer Research and Development Center, Hanover, NH (1965)

- Cold Regions Research & Engineering Lab

Stanford University, Stanford University, Stanford, CA, (1965-1968)

- Teaching Assistant

NASA EXPERIENCE:

NASA Lyndon B. Johnson Space Center, Houston, TX (1968-Present)

- Research Scientist and Principal Investigator, Cosmochemistry Program, 1968
- Lunar Sample Preliminary Examination Team, 1969-1972
- Geologic Science Training Coordinator for the Apollo 15 crew, 1971
- Leader of the Chemistry and Petrology Team, NASA Comparative Planetological Study of the Basaltic, 1976-1981
- Planetary Geoscientist/Lunar Curator, 1999-Present
- Director of the Experimental Petrology Laboratory

AWARDS & CITATIONS:

- Geological Society of America Special Commendation, 1973
- NASA Super Achievement Award, 1978
- Silver Snoopy Award, 2009

SELECT PUBLICATIONS & PATENTS:

Smith, Robert K. and Gary E. Lofgren, "An Analytical and Experimental Study of Zoning in Plagioclase," Lithos 16, no. 2 (15 April 1983): 153-168

Beard, James A. and Gary E. Lofgren. "Effect of Water on the Composition of Partial Melts of Greenstone and Amphibolite," Science 244, no. 4901 (14 April 1989): 195-197.

DeHart, John M. and Gary E. Lofgren, "Experimental Studies of Group A1 Chondrules," Geochimica et Cosmochimica Acta 60, no. 12 (June 1996): 2233-2242.

McCoy, Timothy J. and Gary E. Lofgren, "Crystallization of the Zagami Shergottite: An Experimental Study," Earth and Planetary Science Letters 173, no. 4 (15 December 1999): 397-411.

Zieg, Michael J. and Gary E. Lofgren, "An Experimental Investigation of Texture Evolution During Continuous Cooling," Journal of Volcanology and Geothermal Research 154, no. 1-2 (1 June 2006): 74-88.

REFERENCES:

Gary Lofgren Biography. Astromaterials Research and Exploration Science Homepage. Online. <http://ares.jsc.nasa.gov/People/lofgrengary.html> Last Updated 15 January 2008. Accessed 10 February 2008.

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