

Curriculum Vitae

- 1) Paul C. Hess
Professor
Brown University
Geological Sciences
324 Brook Street, Box 1846
Providence, RI 02912
401-863-1929
401-863-2058 (fax)

- 2) AB Geological Sciences, Chemistry minor 1963 Tufts University
MS Geological Sciences 1965 Harvard University
Ph.D. Geological Sciences 1969 Harvard University

- 3) Brown Appointments
1968-69 Instructor
1969-74 Assistant Professor
1974-80 Associate Professor
1980-present Professor

- 4) Research in Progress

I focus on fundamental questions that range for the atomistic scale within silicate melts to those addressing the evolution of the Moon.

Much effort has recently been devoted to model the thermal evolution of the lunar mantle and to determine its influence on the origin and evolution of lunar magmatism.

Research funded by NASA is an experimental investigation of the kinetics of melting and dissolution of various minerals and rocks in silicate melts undergoing forced convection.

Theoretical studies are continuing on a) the physics of wetting of silicate melts in minerals characterized by anisotropic surface energies b) the physics of equilibrium thermodynamic fluctuations in silicate melts and c) the physics of melting of crystalline materials d) evolution of Mars.

- 5) Service

Freshman and Sophomore Advisor
Associate Editor Cambridge Press

- 6) Received \$240,000 from NASA 2002-2006.

7) Teaching

1999-2000		2001		2002	2003	2003-2004	2004-2005
Geo 142	7	Geo 142	6	Sabbatical	Geo 142	Geo 246	Geo292
Geo 246	4	Geo 291	5		Geo 243	Geo 291	Geo244
Geo 243	8	Geo 291	9		Geo 291	Geo 292	Geo243

Recent Ph.D.'s: Wen Shen Horng - 1999 Msc- Alyssa Beck
 James Greenwood - 1997

8) Updated: January 12, 2005