

Winter 2008 Smith Lecture Schedule

January	4	Amy Bengtson, University of Wisconsin	Fe Spin Crossover in Lower Mantle Materials: A First-Principles Study
	11	Sharon Hoffman, MIT/Woods Hole	What can U-series radionuclides in marine sediments tell us about the ocean?
	18	Anna Courtier, University of Minnesota	Seismic Evidence of Mantle Water in Regions of Active and Ancient Subduction
	25	Jeff Gee, University of California, Dan Diego	The Dufek Layered Intrusion: Insights into Jurassic Geomagnetic Field Behavior
February	1	Arlo Weil, Bryn Mawr College	Moving towards a viable four-dimensional model of fold-thrust belt evolution: A multidisciplinary investigation of the Wyoming Salient
	8	Demian Saffer, Pennsylvania State University	
<i>Dorr Dinner</i>	15	Paul Hoffman, Harvard University	Ice Age to Snowball Earth: How geological discoveries drove climate dynamics and geodynamics
	22	Ron Smith, Yale University	Orographic precipitation, drying ratio and isotope fractionation in the California Coastal and Sierra Ranges
	29	<i>Winter Vacation</i>	<i>No lecture</i>
March	7	Antony Lowry, Utah State University	Mass Loading and Rock Flow: New Insights from Isostatic Analysis
	14	Ho-kwang Mao, Carnegie Institution of Washington	Diamond Windows on Planetary Interior -- Minerals & Rocks
	21	Susan Humphris, Woods Hole Oceanographic Institution	Relation between Volcanism, Tectonism and Hydrothermal Activity at Mid-Ocean Ridges
	28	Jean Braun, University of Rennes, France	Quantifying the efficiency of the couplings (and feedbacks?) between tectonics and erosion
April	4	Sasha Turchyn, University of Cambridge, UK	Oxygen Isotope Insight into the Marine Sulfur Cycle; Proxy Development and Interpreting the Cretaceous Record
	11	Daniele Pinti, Université du Québec à Montréal, Canada	Early Archean diversified biosphere inferred from carbon, nitrogen and iron isotopes in cherts