

Know Soil, Know Life

Dig It! The Secrets of Soil Lecture Series

coming this spring to the MAC



Discover the connection between soils and our daily lives with three world renowned scientists who will reveal the secrets of soil from their personal research. The lecture series complements the traveling Smithsonian exhibition on display at the MAC from through September 22. Professor Emeritus Estella Leopold will open the series with the new documentary, *Green Fire*, about her conservationist father, Aldo Leopold.

All lectures will be held in the Eric A. Johnston Auditorium and regular Museum admission prices apply. \$ 7 Adults \$5 Senior/Students

March 10, 2012

Green Fire:

Aldo Leopold's Land Ethic

with Professor

Estella Leopold

3:30 PM

Lecture and film followed by a no-host beer/wine reception.

Film also at 11am, 12:30pm, 2pm



This full-length documentary film is about legendary conservationist Aldo Leopold and his environmental legacy. *Green Fire* shares highlights from his extraordinary career, explaining how he shaped conservation and the modern environmental movement. It also illustrates

how Leopold's vision of a community that cares about both people and land continues to inform and inspire people across the country and around the world, highlighting modern projects that put Leopold's land ethic in action in a multitude of ways.

Estella Leopold is a Professor emeritus in the Biology Department at University of Washington. As the daughter of famed conservationist and writer Aldo Leopold (1887-1948), Estella has earned her own renown through her pioneering work as a conservationist and scientist. As a conservationist, she is best known for her work obtaining protection for the stunning fossils near Florissant, Colorado, an area that became a national monument in 1969. That battle was prompted by her scientific work studying pollen, particularly on plants that lived in the Rocky Mountains around 40 to 35 million years ago. As she said at the time, "How can man keep a perspective on his direction and life's path if he loses track of the routes that life has followed before him?"

Research Interests: Tertiary and Quaternary landscapes • Vegetation history and biogeography, western U.S. • Climatic change through the Cenozoic • Data-model comparison of past climatic change • Plant evolution in the Tertiary era wetland history near the Seattle fault.

April 14, 2012

Dirt: The Erosion of Civilizations

with Professor

David Montgomery

4:00 PM

Followed by a no-host beer/wine reception



Professor David R. Montgomery is a Professor of Earth and Space Science at the University of Washington and a MacArthur Fellow. He studies the influence of geomorphology on ecological systems and human societies. He received his B.S. in geology

at Stanford University (1984) and his Ph.D. in geomorphology from UC Berkeley (1991). His published work includes studies of the evolution and near-extirpation of salmon, fluvial and hillslope processes in mountain drainage basins, the evolution of mountain ranges (Cascades, Andes, and Himalaya), and the analysis of digital topography. Current research includes field projects in the Philippines, eastern Tibet, and the Pacific Northwest of North America.

David will have copies of his book, *Dirt: The Erosion of Civilizations* available after the lecture for signing.



May 19, 2012

Toward a Sustainable Future

with Professor

John Reganold

4:00 PM

Followed by a no-host beer/wine reception



Dr. John P. Reganold's career was shaped by his interest in environmental soil science. He earned his B.A. (1971) in German and M.S. (1974) in Soil Science at the University of California at Berkeley and a Ph.D. (1980) in Soil Science at University of California at Davis. He worked

for two years as a soil scientist with the U.S. Department of Agriculture's Natural Resource Conservation Service and for three years as an environmental engineer with Utah International, Inc., a mining company. He joined Washington State University in 1983 and is currently Regents Professor of Soil Science. He has become one of the premier scientists in the world in sustainable agricultural research, as evidenced by his publications in *Science*, *Nature*, *Proceedings of the National Academy of Sciences (PNAS)*, *Scientific American*, and other land-use and soil science journals. Dr. Reganold is co-author of three editions of a textbook titled *Natural Resource Conservation: Toward a Sustainable Future* and co-editor of the book, *Organic Agriculture: A Global Perspective*.

2316 W First Avenue, Spokane

(509) 456-3931

www.northwestmuseum.org

An Affiliate of the Smithsonian Institution

Get Soil Savvy!