

## 2011-2012 Straub Environmental Lecture Series

**October 27, 2011 – Paul Bannick, *The Owl and the Woodpecker***

Paul's presentations on owls and woodpeckers take audiences on a visual and auditory exploration of habitats of North America through the owls and woodpeckers that most define and enrich these places. This photographic field report celebrates the ways the lives of these two iconic birds are intertwined with one another and their role as keystone and indicator species for their environment.

**November 17, 2011 – Bill Sullivan, *Oregon Favorites***

Oregon hiking guru Bill Sullivan takes us on a tour of his favorite trips -- hikes and adventures in all parts of the state, choosing top trips for each month of the year. Based on his new book, *Oregon Favorites*, the show includes tips on new trails, as well as anecdotes about history, geology, wildlife, and people along the way.

**January 26, 2012 – Harriet Fasenfest, *Home Economics & Householding in the Modern World: What does it Mean and What Would it Look Like?***

Though Home Economics used to be a standard course of study for many of us, times have changed. Very few schools offer course work on the subject, much to the detriment of our students and civil society. But what would such a body of knowledge cover today and how would we make it relevant given today's environmental and economic climate? Join Harriet Fasenfest as she offers a new framing of this old discipline.

**February 23, 2012 – Sharon Levy, *Once and Future Giants***

Mammoths, camels and saber-toothed cats once walked the ground that has become Wilshire Boulevard in Los Angeles, and foraged on the marsh land now buried beneath Chicago's streets. Then, just as the first humans reached the Americas, these Ice Age giants vanished forever. Today great beasts like elephants, lions and grizzly bears are threatened worldwide. New research on the demise of ancient megafauna offers vital insights for modern conservation.

**March 15, 2012 – James Roddey, *Earthquakes in Oregon: What can Native American myths and new scientific discoveries tell us about "The Big One?"***

Native American oral histories speak of a great shaking followed by a massive flood that has struck our coast in times past. Japanese written records document an "orphan tsunami" that ravaged their coast 309 years ago. Today we know these accounts refer to the last great Cascadia earthquake to strike the Pacific Northwest. We also know one of these mega-quakes and a massive tsunami could hit Oregon at any time. Join James Roddey from the Oregon Department of Geology and Mineral Industries as he explores Native American legends, new geologic discoveries and one of the great scientific detective stories of the 20<sup>th</sup> century, all in order to understand what *The Big One* has in store for all of us.

**April 26, 2012 – Ellen Morris Bishop, *Living with Thunder: A Past, Present and Future History of Oregon's Volcanoes***

Oregon's volcanic heritage spans more than 250 million years, and includes the longest lava flow on the planet, as well as one of the largest and most explosive volcanic calderas in North America. (Hint—it's not Crater Lake) Today, Oregon's Cascade volcanoes hold the potential for eruptions, and pose other hazards to Oregon's communities. Newly determined and surprisingly recent ages for volcanics in the Portland basin, and in northeast Oregon as well as volcanism in southeastern Oregon suggest that eruptions beyond the Cascades will lie in our future as well as our past.

**May 24, 2012 – John Bolte, *Willamette Water 2100 project: Anticipating Water Scarcity and Informing Integrative Water System Response in the Pacific Northwest***

Willamette Water 2100 is evaluating how climate change, population growth, and economic growth will alter the availability and use of water in the Willamette River Basin on a decadal to centennial timescale. Bolte is the developer of "Envision," the modeling package that develops "future scenarios," and serves as a means to ask "what if" questions for different policy alternatives regarding water management in the Willamette water system. He'll discuss some of the modeling and mapping aspects of the project and the future scenarios that Envision has developed thus far.