

Welcome to the 4th annual

NORTHWEST FOSSIL FEST

*celebrating Oregon's
Mesozoic
Marine Reptiles*



Plesiosauria



Thalattosuchia



Ichthyosauria

presented by NORTH AMERICA
RESEARCH GROUP

Saturday, August 8, 2009 — 10am to 4pm

Inquire, Interact, Inspire

Presentations

10:30am A Short History of Climate Change:
Lessons from Oregon's Past
Dr. Ellen Morris Bishop,
Executive Director, Oregon Paleo Lands Institute

Today, we face rising greenhouse-gas levels and rising global temperatures. But this is not the first time in planetary history that climate change has affected life and resources here on Earth. Oregon's geologic and fossil record provides insight about the causes and effects of past climate changes, including times when greenhouse conditions ruled and bananas and palm trees grew in North Central Oregon. Dr. Bishop will discuss Oregon's geologic and paleontologic records relating to these important climate changes, and where to find the prehistoric evidence.

12:00am Children's Hour: Three Famous Fossils.
The Life and Times of Ichthyosaurs, Plesiosaurs,
and Ancient Horses
Dr. Ellen Morris Bishop

Oregon's long and storied geologic history is filled with exciting times, as well as unusual animals. Oregon may not be famous for dinosaurs – it was mostly underwater at the time! Did you know that instead of dinosaurs, huge marine reptiles swam around Oregon? The water and the “sea monsters” are gone now, except for fossil evidence that proves they were here. In this lecture for the kids, Dr. Bishop will take a look at three of Oregon's most famous and noteworthy prehistoric animals: Ichthyosaurs, Plesiosaurs, and ancient horses.

1:30am Quality of the Non-Mammal Vertebrates
in Oregon's Fossil Record
Dr. William N. Orr, Curator, Condon Collection,
Professor Emeritus, University of Oregon

Oregon's superb fossils of mammals often outshine the less common birds, reptiles, fish, and amphibians. Renewed interest in paleontology has stimulated systematic fossil-hunting expeditions into all corners of the state with wonderful results. In addition to adding new taxa to the already diverse lists of prehistoric animals, many of these new animals significantly strengthen some of our theories of the geologic origins of the state. Dr. Orr will describe recent discoveries and discuss their importance.