

# Inland Geological Society

May 2011

Newsletter of the Inland Geological Society

Volume 27 No. 5

**This Meeting:**

**Thursday,  
May 5<sup>th</sup>**

**Time:**

**Social: 6:00pm  
Dinner: 6:30pm  
Lecture: 7:00pm**

**Location:**

**LSA Associates  
1500 Iowa Ave  
Suite 200  
Riverside, CA  
92507**

(Map on Pg. 4)

**Coming to  
Dinner?**

**Please RSVP:  
By Monday 04/29  
(951) 784-2168  
dixie.lass@att.net**

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**May Speaker:**

**Eric Scott**

**Curator of Paleontology, San Bernardino County Museum and Adjunct Professor of Biology, California State University, San Bernardino, CA**



## Dinosaurs In Our Backyard

### Abstract

Want to Find a Dinosaur? You're in the right place! North America is home to literally hundreds of thousands of dinosaur fossils. Many of the "classic" dinosaurs you've known about since childhood – *Tyrannosaurus*, *Triceratops*, *Allosaurus*, *Apatosaurus*, and *Stegosaurus* – were first discovered here in North America, and in life were native to this continent. The early discoveries of these American fossils spawned the first dinosaur crazes that led to the enduring worldwide popularity of these animals today. Of course, none of these classic dinosaurs have been found in inland southern California, but don't despair – there are still lots of dinosaurs about. After all, living birds are actually dinosaurs – so to find dinosaurs, all you have to do is look out your window. Dinosaurs are all around us! Join Eric Scott, Curator of Paleontology for the San Bernardino County Museum, as he presents "Dinosaurs In Our Backyard" -- a talk that will explain what dinosaurs are, review the history of some dinosaur discoveries in North America, explore why dinosaurs never really died out – and share behind-the-scenes stories about recent excavations of actual dinosaur fossils here in southern California!

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### **Biography:**

Eric Scott is Curator of Paleontology for the San Bernardino County Museum in Redlands, California, where he has worked since 1991. He is also an adjunct professor in biology at California State University, San Bernardino. He studies Pliocene and Pleistocene ("Ice Age") large mammal fossils from throughout western North America, specializing in extinct horses and bison. He also actively researches possible causes of Pleistocene megafaunal extinctions in North America. His studies focus on relating vertebrate fossil assemblages to changes in geography and climate through geologic time, and include both field and museum work throughout the western United States as well as Mexico and South America. He has authored numerous paleontology research articles in books and professional scientific journals. He is a 28-year member of the Society of Vertebrate Paleontology, an international society of professional scientists, where he currently serves on the Ethics, Government Liaison, and Information Management Committees. Eric is also an Associate Editor for the Journal of Paleontology and a Special Editor for the journal Quaternary International.

Prior to his present position as Museum Curator, Eric was Chief Excavator at the Rancho La Brea "tar pits" in Los Angeles from 1985 - 1991. He graduated from the University of California, Los Angeles in 1990. Eric presently lives in Bloomington, California with his wife, Kim (who is also a paleontologist). He has no sense of humor.

### ***IGS Members Help Judge at the 2011 Riverside-Inyo-Mono-San Bernardino (RIMS) Counties Science Fair***

*by Patrice Copeland*

Several members of the IGS volunteered to serve as judges at the Regional Inland Science and Engineering Fair held this year at the National Orange Show fairgrounds in San Bernardino on April 5, 2011. The annual competition is open to 4<sup>th</sup> through 12<sup>th</sup> grade students from Riverside, Inyo, Mono, and San Bernardino (RIMS) counties. About 832 participants and over 750 projects were judged during this year's science fair. Through their projects, the students expressed their creative abilities and knowledge and shared their scientific interests with other student participants. Two first-place "gold" award winners from each category will be given an opportunity to compete at the state-wide level during the California State Science Fair, which will be held on May 2 and 3, 2011, in Los Angeles. Approximately 80 projects from the RIMS Inland Science and Engineering Fair will go on to compete at the state level. It is expected that about 950 participants from nearly 400 schools throughout the state will compete in that event.

Teams of about three to six judges per category decided on two "gold" first place awards and five "silver" second place awards, with the remaining entries given "bronze" awards for participation. IGS members Patrice Copeland, Steve Mains, Austin Marshall, and Larry Monroe were joined by Brianna Bergen (Lahontan RWQCB) and Steve Jaynes (Jurupa Community Services District) in judging projects in the earth and environmental sciences category. Projects were critiqued on the basis of use of the scientific method, organization and completeness, comprehension, clarity of presentation, effort and motivation, and originality.

IGS takes pride in awarded \$100 savings bonds to deserving students for projects that exhibited outstanding geologic or water quality related work in grades 6 through 12. The following project received a first place award and the team of students (Hannah Johnson, Hannah Larsen, and Zachary Larsen) received savings bonds from IGS: *Trilobite Leftovers: Mortality or Moulting?* (Junior Division). The second place award winner in the Junior Division was also given a savings bond from IGS members: *Grout vs Graded Filter Method to Repair Cover Collapse Sinkholes in Karst Areas* (Joseph Monaghan). Certificates of merit from IGS were given to other deserving projects in the Elementary, Junior, and Senior Divisions related to earth/environmental sciences.

The Inland Science and Engineering Fair is an excellent forum for outreach and building partnerships while encouraging youth to investigate potential environmental and water quality problems. In addition, these programs also allow students to interact with real scientists, ask questions, and get advice regarding how their projects may be improved – now and in the future, as many of them return next year to the science fair or continue on in their studies. We'd love to see even more IGS members participate next year!

## Upcoming Meetings/Events

### Rock & Gem Shows—Various locations

Various rock and mineral shows will be throughout So. California. To find one near you, visit [www.rockngem.com/showdates.asp](http://www.rockngem.com/showdates.asp)

### Los Angeles Basin Geological Society



Ray Ingersoll will be presenting a talk on 'Reconstructing Southern California'. The meeting will be on **April 28, 2011** at The Grand at Willow Street Conference Center. For

more info, visit [www.labgs.org](http://www.labgs.org).

### Fourth IWA Specialty Conference

The topic of this year's conference will be *Natural Organic Matter: From Source to Tap and Beyond* and will be held **July 27–29, 2011** in Costa Mesa, CA. For more info., visit [www.regonline.com/NOM2011](http://www.regonline.com/NOM2011)

### South Coast Geological Society meeting



Eric J. Fielding, Ph.D., will be presenting a talk on the "Joint inversion of teleseismic, GPS, InSAR and subpixel-correlation measurements of the 2010 El Mayor-Cucapah earthquake to model fault slip evolution". The

next meeting will be held on **Mon., May 2, 2010** at the Doubletree Club Hotel in Santa Ana, CA. The speaker is to be determined. For more info., visit [www.southcoastgeo.org](http://www.southcoastgeo.org)

### SME—SoCal Section Meeting



Steve Mulqueen, former oil and gas engineer with the state dept. of oil, gas and geothermal conservation, will be giving a talk on California oil seeps.

The meeting will be on **Tues., May 17, 2011** at the Pomona Valley Mining Co. Restaurant, in Pomona, CA. For more info., visit [www.smenet.org/](http://www.smenet.org/)

## IGS Meeting Schedule

### **June 1, 2011 (Wednesday)**

Andrew Hillstrand, Boart Longyear  
*Sonic Drilling*

### **July 7, 2011 (Thursday)**

TBA

### **August 3, 2011 (Wednesday)**

TBA

### **September 1, 2011 (Thursday)**

TBA

### **October 5, 2011 (Wednesday)**

TBA

### **November 3, 2011 (Thursday)**

TBA

### **December 7, 2011 (Wednesday)**

TBA

## **STUDENTS!!**

**The end of academic year is approaching and many of you will begin looking for work from summer internships to full-time employment.**

**By presenting your undergraduate or graduate Research at an upcoming IGS meeting, you have a chance to introduce yourself to potential employers!**

**Please contact Cindy Li, Jon Smith or Steve Mains to schedule your talk!**

**IGS MEETING LOCATION:**

**LSA Associates, Inc.  
1500 Iowa Ave, Suite 200  
Riverside, CA 92507**

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