

# Inland Geological Society

December 2016

Newsletter of the Inland Geological Society

Volume 32 No. 12

Wednesday,  
December 7<sup>th</sup>

Time:

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

Location:

LSA Associates  
1500 Iowa Ave  
Suite 200  
Riverside, CA  
92507  
(Map on Pg. 4)

Coming to  
Dinner?

Please RSVP:

By Friday 12/2  
(909) 227-7704  
Baircrystal@ca.rr.com

## **In this Issue:**

- Speaker – Dr. Alton Dooley, Jr. .... 1-2
- Upcoming Events/IGS Meeting Schedule..... 3
- 2017 Membership Form..... 4
- Current IGS Officers and Meeting Location ..... 5

## **December Speaker:**

**Dr. Alton Dooley, Jr., Ph.D.**

Executive Director, Western Science Center, Hemet, CA

## **Mastodons of Unusual Size: What Do We Really Know About California Mastadons?**

### *Abstract*

Several authors over the years have suggested that individuals of the American mastodon (*Mammuth americanum*) from California, and specifically from Rancho La Brea, tend to be smaller and have different tooth proportions than those from the eastern United States, but the sparse mastodon material from California has made it difficult to test this hypothesis. The construction of Diamond Valley Lake reservoir in Riverside County during the late 1990s changed that, with the discovery of nearly 700 mastodon bones. Several well-preserved specimens, including partial skeletons known as “Max” and “Little Stevie” have given us a more complete picture of California mastodons and how they relate to their relatives in the rest of North America.

### **Biography:**

Alton Dooley was born in Roanoke, Virginia and was raised in nearby rural Bedford County. After graduating from Staunton River High School and the Roanoke Valley Governor’s School, he attended Carleton College in Northfield, Minnesota, earning a B.A. in Geology in 1991. He then attended Louisiana State University (LSU) in Baton Rouge, and in 1998 received a Ph.D in Geology.

*(Continued on page 2)*

*(Continued from page 1)*

While a student, he worked as a volunteer, intern, or consultant for a number of museums, including the Virginia Museum of Natural History (VMNH), LSU Museum of Natural Science, Bermuda Aquarium, and Smithsonian Institution.

While living in Louisiana, Dr. Dooley was employed as a science teacher and football coach at Jackson High School. In 1999, he returned to Virginia to work at VMNH full-time, initially as the laboratory manager and eventually rising to Curator of Paleontology. Beginning in 1998, he also taught geology, paleontology, and oceanography courses on an adjunct basis for LSU, Radford University, Longwood University, Virginia Tech, Ferrum College, and Virginia Western Community College. In 2014, Dr. Dooley moved to California to become the Executive Director of the Western Science Center.

Dr. Dooley's research has spanned a variety of topics within paleontology. Much of his work has centered around marine vertebrates from the Miocene Epoch, especially whales, although he has published papers on a variety of fossils from different time periods, including Cambrian stromatolites, modern plants, Triassic reptiles, Miocene land mammals, and Pleistocene squirrels. He is currently working on mastodons and other Pleistocene fossils from Riverside County.

In addition to his paleontological research (and numerous professional publications), Dr. Dooley and his wife Brett Dooley have co-authored two virtual field trip ebooks for geology students, and have presented at numerous professional meetings on the use of virtual field trips and cast-based teaching labs in high school and college classes. Dr. Dooley and Brett live in Hemet, California.



## 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)

### AEG—So. California Section Meeting



The next AEG-SoCal Chapter meeting hasn't been posted online. For more info., visit [www.aegsc.org](http://www.aegsc.org).

### South Coast Geological Society Meeting



The next meeting is the Annual Holiday Party and Raffle held on **Monday, December 5, 2016**. Don't forget to wear your ugly sweater! For more info., visit their website at [www.southcoastgeo.org](http://www.southcoastgeo.org).

### AEG—Inland Empire Section Meeting



Dr. Jeff Keaton, Americas—Amec Foster Wheeler, will be giving a talk on the "Innovative Modification to Improve Resilience of the Los Angeles Aqueduct After the Next San Andreas Fault Earthquake " on

**Wednesday, December 14, 2016**. For more info., visit [www.aegsc.org/chapters/inlandempire/](http://www.aegsc.org/chapters/inlandempire/).

### Los Angeles Basin Geological Society



The November meeting hasn't been posted online, but is typically the 4th Thursday of the month. Visit their website for more info. ([www.labgs.org](http://www.labgs.org)).

### San Diego Assoc. of Geologists Meeting



Tom Demere starring live at the San Diego Natural History Museum on **Tuesday, December 13, 2016**. For more info, visit their website at [www.sandiegogeologists.org](http://www.sandiegogeologists.org).

## Get Your IGS Coffee Mug!

IGS will now be selling IGS coffee mugs at the monthly meetings. They will be on sale for \$10.



## 2017 Membership Dues

2017 memberships are due. Please complete the attached membership form. If you have any questions, contact Steve Mains at [watermains@aol.com](mailto:watermains@aol.com).

## IGS Meeting Schedule

### **January 12, 2017 (Thursday)**

Dr. Arthur Sylvester, UCSB  
*Roadside Geology of Southern California*

### **February 1, 2017 (Wednesday)**

TBA



## 2017 MEMBERSHIP DUES AND T-SHIRT ORDER FORM

For an IGS T-shirt, send in \$17.00 if you've already paid your dues or tack on an extra \$17.00 with your dues payment and receive, through the mail, a unique and fine-looking Inland Geological Society T-shirt in your choice of sizes. See below.

### PLEASE REMIT THIS FORM WITH DUES PAYMENT

Name: \_\_\_\_\_ Job/Title and Company \_\_\_\_\_

E-mail address: \_\_\_\_\_

Home address: \_\_\_\_\_ (Home contacts are only in case we are unable to reach your  
\_\_\_\_\_ business phone or e-mail, usually cause by a job change)

Phone Number: (    ) \_\_\_\_\_

Business address (if different than above):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Number: (    ) \_\_\_\_\_

MEMBERSHIP DUES: Please indicate: \_\_\_\_\_ New \_\_\_\_\_ Renewal \_\_\_\_\_ Educational Organization/Sister Society  
\_\_\_\_\_ **\$15.00 for e-mail newsletter** you can pay for up to 5 yrs in advance at this rate !!! \_\_\_\_\_ # of Yrs  
\_\_\_\_\_ **\$0 for students (full time student membership is at no charge)**

Payment for dues and/or T-shirts may be made by cash, check or money order. Please make your check or money order to:  
INLAND GEOLOGICAL SOCIETY

T-SHIRT ORDER: \$17.00 Please indicate size: \_\_\_ Medium \_\_\_ Large \_\_\_ XL \_\_\_ XXL \_\_\_ XXXL

(Note: Dues are required to receive a monthly newsletter and are renewable in January of each calendar year. Dues may be paid at the monthly meetings, or send your payment and this membership form to:

STEVE MAINS, IGS MEMBERSHIP CHAIR  
6447 JAGUAR DRIVE  
RIVERSIDE, CA 92506

Inland Geological Society meetings are normally held monthly at LSA Associates, 1500 Iowa Ave, Suite 200., Riverside, CA. LSA is located on the northeast corner of Iowa and Marlborough in Riverside. If you have any questions regarding our organization, please contact Mr. Steve Mains, membership chairman of Inland Geological Society at [watermains@aol.com](mailto:watermains@aol.com) or (951) 780-5636.

**IGS MEETING LOCATION:**

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

**2016 IGS OFFICERS****Co-President**

Greg Johnson, LADPW  
gjohnson@dpw.lacounty.gov  
626.458.1741

**Co-President**

Rob Johnson, AMEC  
rob.b.johnson@amec.com  
951.369.8060

**Co-Vice President**

Jeff Fitzsimmons, Lahontan RWQCB  
geojeff08@att.net  
951.212.5018

**Co-Vice President**

Debbie Kunath, Consulting Geologist  
Debbie\_Kunath@ymail.com  
760.885.0232

**Treasurer**

Margaret Gooding, LSA Associates  
Margaret.gooding@LSA.net  
951.781.9310 x279

**Secretary**

Crystal Bair, Student at CSUSB  
Baircrystal@ca.rr.com  
909.227.7704

**Membership**

Steven E. Mains, Watermaster  
Support Services  
watermains@aol.com  
951.780.5636

**Newsletter Editor**

Shelby Barker, Tetra Tech  
shelby.barker@tetrattech.com  
760.680.0389

**Web Mistress**

Marina West, Bighorn Desert View  
Water Agency  
wells.out.west@gmail.com  
760.910.3264

**Web Master**

Ernie Roumelis, AKW Geotechnical  
eroumelis@verizon.net  
951.265.9849