

Announcement (updated 9/11/15)

**2015 Fall Field Conference of the Far West Section  
National Association of Geoscience Teachers**

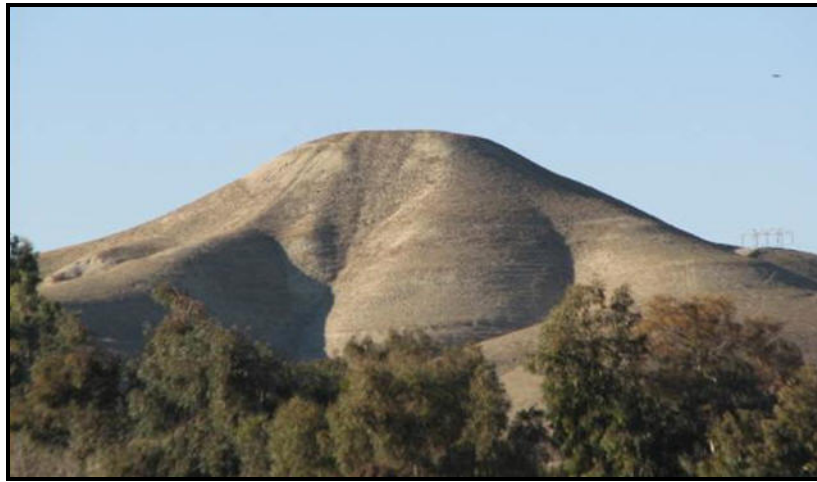
**Sediments, Oil, and Fossils in the Southern San Joaquin Valley**

**October 16-18, 2015**

**Hosted by California State University, Bakersfield**

**Dirk Baron, Rob Negrini, and Jan Gillespie CSU Bakersfield  
Tim Elam, Buena Vista Museum of Natural History and Science  
Gregg Wilkerson, Bureau of Land Management**

Website: [www.csub.edu/~dbaron/NAGT2015.htm](http://www.csub.edu/~dbaron/NAGT2015.htm)



*Sharktooth Hill, the location of the Miocene Round Mountain Silt Bonebed. Photo by Tim Elam, Buena Vista Museum of Natural History and Science*

We invite all teachers, professors, students, and friends of the earth and geological sciences to attend the 2015 Fall Conference of the Far West Section of the NAGT on October 16 – 18, 2015 based in Bakersfield, California. Check the conference website [www.csub.edu/~dbaron/NAGT2015.htm](http://www.csub.edu/~dbaron/NAGT2015.htm) for latest updates and complete details.

**Southern San Joaquin Valley of California**

Join us to explore a region that offers interesting geology, a World-class fossil location, and provides employment to many geoscientists. The Field Conference will be based at the **California State University, Bakersfield** and the [Buena Vista Museum of Natural History and Science](#) in downtown Bakersfield. The best place to camp in the area is the [Kern River Campground](#) near Lake Ming east of Bakersfield. Sites cannot be reserved but should be available on Fridays in October. Alternatives a little farther afield are several campgrounds along the Kern River in the Kern Canyon. Bakersfield has many

hotels in all price ranges. Homewood Suites are located within walking distance of the campus; the historic and recently renovated Padre Hotel is a good (but somewhat expensive) choice with great ambiance downtown within walking distance of the Buena Vista Museum of Natural History of Science.

**We hope to see you in Bakersfield!**

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**For more information, contact:**

**Sponsor:** California State University, Bakersfield, Department of Geological Sciences

**Coordinator:** Dirk Baron, Geological Sciences, CSU Bakersfield; [dbaron@csub.edu](mailto:dbaron@csub.edu); 661-654-3044

**Conference Website:** [www.csub.edu/~dbaron/NAGT2015.htm](http://www.csub.edu/~dbaron/NAGT2015.htm)

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### Tentative Schedule

#### Friday, October 16, 2015

Time	Event	Location
4:00-7:00 pm	Registration, light refreshments, and socializing	CSU Bakersfield
7:00-8:00 pm	Section business meeting	CSU Bakersfield

#### Saturday, October 17, 2015

Time	Event	Location
7:00-8:00 am	Registration	Buena Vista Museum of Natural History and Science
8:30 am - 4:30 pm	Field Trips	Buena Vista Museum of Natural History and Science; CSU Bakersfield
5:00-6:00 pm	Hors d' oeuvres; socialize; explore museum	Buena Vista Museum of Natural History and Science
6:00-9:00 pm	Dinner banquet and evening presentation on Petroleum Geology of the southern San Joaquin Valley	Buena Vista Museum of Natural History and Science

## Saturday Field Trips:

**Trip 1: Paleontology and Geology of the Miocene Round Mountain Silt Bonebed at Sharktooth Hill** This field trip examines the geologic genesis and paleontologic significance of fossil-rich sediment of the middle Miocene Round Mountain Silt Bonebed, which outcrops near Bakersfield, Ca. Over 140 species of fauna have been found in the Bonebed, which is the most prolific middle Miocene marine vertebrate fossil location in the world. At Buena Vista Museum of Natural History and Science in Bakersfield, field trip participants will be introduced to the Bonebed by viewing fossils of marine creatures such as whales, sea lions, dolphins, sharks, etc., as well as rare terrestrial fossils of deer, camels, and other large mammals. A Museum presentation will then cover 1) history of paleontologic study at Sharktooth Hill, 2) stratigraphy, sedimentology, and structure of Round Mountain Silt outcrops, and 3) recent dating techniques used on the Bonebed at Sharktooth Hill. Participants will then be transported to the Ernst Quarries northeast of Bakersfield. **There they will dig for shark teeth and other Round Mountain Silt fossils, which they can take home.** Participants will receive a field trip guidebook plus a fossil identification booklet they can use while unearthing treasures. Monitoring will be done by Buena Vista Museum personnel. **Leader Tim Elam.**

**Trip 2: Outcrops of the West Side of the Southern San Joaquin Valley** Trip will explore outcrops of major San Joaquin Valley Formations, tar seeps, and the history of oil in the region. **Leader Gregg Wilkerson.**

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## Sunday, October 18, 2015

Time	Event	Location
8:00 am-12:00 pm	Field Trips/Workshops	CSU Bakersfield

### Sunday Workshop and Field Trips:

**Workshop 1 – [California Well Sample Repository](#)** The repository is the only facility in California providing permanent storage and public use of cores, sidewall samples, drill cuttings, outcrop samples, microfaunal slides, foundation borings, and mineral suites. Cores, ditch samples, and sidewall samples from more than 6,000 exploration and development, oil and gas wells located throughout onshore and offshore California, as well as microscope slides processed for microfauna from over 2,000 wells and outcrop localities are in the collection.

**Workshop 2 – High school dual-credit honors geology courses as a tool for recruiting students into college geoscience majors.** The Kern High School District and CSU Bakersfield have partnered to offer a rigorous physical geology class for high school seniors. The opportunity to earn college credit attracts top college-bound students, introduces them to the field and is a recruiting opportunity for CSUB. This workshop is

intended for teachers and community college and university professors interested in implementing a similar program.

**Trip 3: Outcrops of the East Side of the Southern San Joaquin Valley Leader Jan Gillespie**

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For **directions, local accommodations, relevant links, and information updates**, please check the conference website at: [www.csub.edu/~dbaron/NAGT2015.htm](http://www.csub.edu/~dbaron/NAGT2015.htm) .

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Far Western Section Fall Field Conference**

**Sediments, Oil, and Fossils in the Southern San Joaquin Valley**

**October 16-18, 2015**

**Hosted by Department of Geological Sciences, California State  
University**

Conference Website: [www.csub.edu/~dbaron/NAGT2015.htm](http://www.csub.edu/~dbaron/NAGT2015.htm)

**Registration Form**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

School Affiliation: \_\_\_\_\_

Note: Please include your email address so we can confirm your registration and provide updates as necessary.

Saturday (please note your 1<sup>st</sup> and 2<sup>nd</sup> choices)

\_\_\_\_\_ Trip 1: Sharktooth Hill field trip

\_\_\_\_\_ Trip 2: West side southern San Joaquin Valley field trip

Sunday (please note your 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> choices)

\_\_\_\_\_ Workshop 1- California Well Sample Repository

\_\_\_\_\_ Workshop 2 – Dual-credit high school classes

\_\_\_\_\_ Trip 3: East side southern San Joaquin Valley field trip

\_\_\_\_\_ I will not be attending any NAGT events on Sunday

## Registration Options

**OPTION 1 – Sharktooth Hill** field trip on Saturday. Also includes all other activities, guidebook, and Saturday night dinner. **Please note**, no lunches will be provided and camp fees are not included.

**OPTION 2 – West Side San Joaquin Valley** field trip on Saturday. Also includes all other activities, guidebook, and Saturday night dinner. **Please note**, no lunches will be provided and camp fees are not included.

A \$10 **Late Registration** fee is added for registrations received after October 10.

A \$10 **Student Discount** is given to full-time students: **PLEASE PROVIDE STUDENT ID WHEN CHECKING IN.**

**Note** – the large difference in cost between the two Saturday field trips is because of the \$85 access/collection fee charged for Sharktooth Hill which is on private land.

**PLEASE CHOOSE ONE (MARK “X” LEFT OF OPTION CHOICE):**

	<b>Option 1 – Sharktooth Hill (Registration before October 10) \$125</b>
	<b>Option 1 - Sharktooth Hill (Student Discount, registration before Oct 10) \$115</b>
	<b>Option 1 – Sharktooth Hill (Late Registration after Oct. 10) \$135</b>
	<b>Option 2 – West Side SJV (Registration before Oct. 10) \$40</b>
	<b>Option 2 – West Side SJV (Student Discount, registration before Oct. 10) \$30</b>
	<b>Option 2 – West Side SJV (Late Registration after Oct. 10) \$50</b>

**MAKE CHECKS PAYABLE TO:** *CSU Bakersfield, Note Geological Sciences, NAGT in the memo line.*

**Option to Receive College Credit**

Please indicate below if you would like to obtain one (1) unit of Geol 277 Special Topics credit from CSU Bakersfield. Credit will be through the CSUB Extended University and the cost will be approximately \$100. You must both days Saturday and Sunday receive the credit. You will fill out an application form, and register for the class online prior to arrival at the workshop. We will send more specific instructions if you indicate interest in receiving credit.

**Note for Teachers:** For education credit, you should check, in advance, with your district’s personnel officer to insure credit satisfies your district’s requirements.

I am interested in receiving college credit for participating in the Fall 2015 Field Conference

**QUESTIONS?**

**CONTACT:** Dirk Baron, conference coordinator at [dbaron@csub.edu](mailto:dbaron@csub.edu)

**Mail registration forms with check to:**

CSU Bakersfield  
Department of Geological Sciences  
c/o Dirk Baron, NAGT Conference  
66 SCI  
9001 Stockdale Highway  
Bakersfield, CA 93311-1099