

CGS Monthly Meeting
Tuesday December 16, 2008

PLUTONS, PYROCLASTICS, PINNIPEDS, AND PENGUINS: A TRIP TO THE ANTARCTIC PENINSULA

Presented by:
Dr. Gene Fritsche
CSUN Retired

Abstract: The December program is planned as a family-friendly presentation. The geology discussion will be low-tech and brief. There will be lots of photos of sea lions, penguins, and Antarctic glacial scenery. Bring your family, spouse, or friends for a preview of a trip you might want to take yourself someday.

During the Mesozoic the Antarctic Peninsula was an extension of the Andes arc. The rocks exposed on the peninsula include andesitic volcanics and associated sedimentary rocks and the underlying intrusive plutons. Sedimentary rocks range from marine turbidites to nonmarine sandstone beds containing coal and plant fossils. Mafic dikes are common in the granitoid plutons.

MEETING INFO: 3RD TUESDAY OF EVERY MONTH (DARK IN JULY & AUGUST)

BIEDERMANN HALL AT SACRED HEART CHURCH

10800 Henderson Road Ventura, CA 93004

(See the MAP at the end of this Newsletter for directions.)

Reservation Deadline: 4:00 PM on THURSDAY before the meeting.

E-mail Reservations to: secretary@coastgeologicalsociety.org or visit the CGS website

*****Please specify your dinner choice: Tri-Tip, BBQ Chicken or Vegetarian Lasagna,**

Social Happy Hour - 6:00 p.m., Dinner - 7:00 p.m., Speaker – 8:00 p.m.

\$18 – With Reservation, \$25 - Without Reservation, \$ 10 - For Students and K-12 Teachers



During the last five million years, the area of the South Shetland Islands on the north end of the peninsula spread northwestward away from the main part of the peninsula. The spreading allowed for decompression melting, the extrusion of volcanic rocks, and the creation of a caldera where volcanism is still active today.

Most of the present land surface is covered with snowfields or glaciers. Valley and piedmont glaciers abound with their associated crevasses and icefalls. Fractures in the glacial ice, which is a mineral, are identical to those in rocks. Some barren or tundra-covered areas exist where zodiac landings can be made and the fauna and flora studied. Several types of seals, sea lions, and penguins live here, and because they have not yet learned to fear humans, nose-to-nose photographs are easy to take. Don't miss this short pictorial visit to this exotic place.

Biography: Dr. Gene Fritsche was born and raised in the Los Angeles area. He received his A.B. and Ph.D. degrees in Geology from UCLA. He has taught in the Geological Sciences Department at California State University, Northridge for 37 years. Dr. Fritsche received Distinguished Teaching Awards from the Pacific Section, AAPG and from CSUN, plus the Grover Murray Distinguished Educator Award from the National AAPG. Other awards include Honorary Membership, a Leadership Award, and a Lifetime Achievement Award from the Pacific Section, SEPM, and a Volunteer Service Award from CSUN. He uses his retirement to do some traveling and to volunteer on Habitat for Humanity projects around the world. He is presently serving as Technical Program Chair for the upcoming Pacific Section, AAPG meeting hosted by the CGS in Ventura next May, 2009 and is hoping that you all will help to make the meeting a success by volunteering your time or presenting an abstract for an oral or poster presentation.

RESERVATIONS: E-mail Secretary@coastgeologicalsociety.org or visit the CGS website by the Thursday before the meeting at 4 pm. Please include name and menu choice (Tri Tip, Chicken, or Vegetarian Lasagna) for each person attending. If you don't make a reservation, it's possible there will not be a meal available for you the day of the meeting.

MARK YOUR CALENDAR:

- **Upcoming CGS meeting:**

January 20, 2008:

Santa Barbara Channel Hydrocarbon Seeps Project.

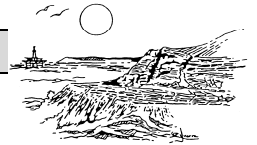
By Dr. Ira Leifer, USCB Crustal Studies Institute

UPCOMING EVENTS:

- Geology and Mining History Field Trips Co-Sponsored by Bureau of Land Management and Buena Vista Museum of Natural History:

Visit website at www.blm.gov/ca/st/en/fo/bakersfield/Programs/geology/fieldtrips.html or call Dr. Greg Wilkerson at 661-391-6081 or at gwilkerson@blm.gov. Please see attached registration form.

Jan. 26, 2009 : Santa Maria-Carrizo Plain-Cuyama Valley



This trip starts in Santa Maria and investigates the ecology of the Santa Margarita Lake region including the Rinconada and La Panza mining districts. The tour continues on Highway 58 to the Carrizo Plains for a look at the San Andreas Fault.

- THE 47th Annual VGMS Gem, Mineral, Lapidary, & Fossil Show

The Ventura Gem and Mineral Society will host its 47th Annual Gem, Mineral, Lapidary, and Fossil Show on Sat., March 7, 2009 (10:00 AM to 5:00 PM) & Sun., March 8, 2009 (10:00 AM to 4:00 PM), at Seaside Park (Ventura County Fairgrounds) located at 10 W. Harbor Blvd., Ventura, California. Admission is free, and activities include demonstrations, door prizes, silent auctions, children's activities, and a "Country Store." For more information please contact the show chair Andy Anderson, (805) 987-0043, vgms_editor@roadrunner.com, or dealer chair Kathryn Davis, (805) 647-3096, or visit the society's website www.vgms.org.

- The 2009 Pacific Section AAPG Convention will be hosted by the Coast Geological Society May 3 - 7, 2009 at the Ventura Marriott. Tom Hopps will serve as the Convention Chairman and Gene Fritsche will be the Technical Chairman. More Information Coming Soon.

- 6-Day Grand Canyon Rafting Adventure with CLU Geology Professor Bill Bilodeau June 28 through July 4, 2009. Please see attached flyers for details and application.



Grand Canyon Flyer
2009.doc



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- Upcoming Events at the California Oil Museum: See www.oilmuseum.net

CGS MEMBERSHIP: CGS membership is through Pacific Section AAPG. Be sure to select **Coast Geological Society** as your local affiliated society. To join CGS, please go to: www.psaapg.org/member.html

CGS OFFICERS DIRECTORY:

President: **Dave Panaro**, Fox Canyon GMA, 805-654-2327, president@coastgeologicalsociety.org

Past Pres: **Bob Ballog**, Hueneme HS 805-498-6294/805-402-1173, pastpresident@coastgeologicalsociety.org

Vice-Pres: **Mike Nelson**, DCOR LLC, 805-535-2058, vicepresident@coastgeologicalsociety.org

Treasurer: **Leni Field**, treasurer@coastgeologicalsociety.org

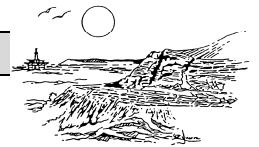
Secretary: **Stephanie Lapeyre-Montrose**, Stantec, 818-292-7035, secretary@coastgeologicalsociety.org

EMPLOYMENT

1. JMAR & Associates has a job opening for a Geophysicist. Please see attached flyer for more information.



Acrobat Document



2. DMI-EMK Environmental Services has a job opening for a full-time employee based out of their Ventura office. Please see attached flyer for more information.



Staff-Project
Position.pdf

NOTICES

1. *No-Cost* Employment Announcements (Help Wanted & Job Wanted) are available on our website! Also, business card ads and employment ads available in the newsletter! Contact secretary@coastgeologicalsociety.org
2. If you forward the email notice to another party, cc: secretary@coastgeologicalsociety.org in the email, we will put your party on the monthly notification list. There is no cost to receive CGS email notifications.
3. Buy your raffle tickets! Money generated goes toward scholarships, field trips, etc., to promote the advancement of Geosciences. Check the CGS supported activities on our website (3 Tickets for \$1).
4. Always needed: **Sponsors for our meetings!** Sponsors get a beautiful colored banner hung at the meeting, and the opportunity to distribute their literature and introduce their businesses, as well as the satisfaction of having supported a great organization! Sponsorships are \$300 per meeting and may be shared between two individual sources. Contact vicepresident@coastgeologicalsociety.org for info.

MEETING PLACE: MAP AND DRIVING DIRECTIONS

Meetings are held at the Sacred Heart Church, Biedermann Hall, 10800 Henderson Road, Ventura, CA 93004.

The location is off Hwy 126 at the Wells Road/Route 118 Exit. Click on the map below for a more detailed view and directions.

