

The California Los Padres Section of the  
American Chemical Society

Presents

The Fall Luncheon and Recognition of  
50-Year Members

The Featured Speaker will be

***Dr. Paul Hansma***

Department of Physics  
University of California, Santa Barbara

Speaking on

***Bone Fracture and  
The Bone Diagnostic Instrument***

12 Noon

Saturday, November 4, 2006

Firestone-Walker's Taproom Restaurant

620 McMurray Road, Buellton, CA

(directions on reverse)

The cost for the event will be \$20 per person, \$10 for students.

Members of more than 50 years in ACS are invited to attend at a discounted rate of \$10 per person

*Entrée Choice:* Lemon Rosemary Chicken, Pacific Grilled Salmon, or Vegetarian Pasta

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Bone fracture and the fear of bone fracture are significant problems that affect the quality of life of many elderly people. Despite centuries of research on bone since Galileo's work on it, fundamental questions of why and how bone fractures remain unanswered. Fundamental research on what happens, down to the molecular level, when bone fractures suggests that fracture resistance comes, in part, from the materials properties of the bone.

The Bone Diagnostic Instrument is a new instrument designed to measure some materials properties of bone in living patients. Preliminary results on prototype instruments give hope that eventually Bone Diagnostic Instruments will be able to assist physicians in assessing fracture risk for individuals and in monitoring treatment.

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For more information email [calpacs@chem.ucsb.edu](mailto:calpacs@chem.ucsb.edu)  
or go to the CALPACS website [www.chem.ucsb.edu/~calpacs](http://www.chem.ucsb.edu/~calpacs).

Please return the form below with your payment by **October 27, 2006**

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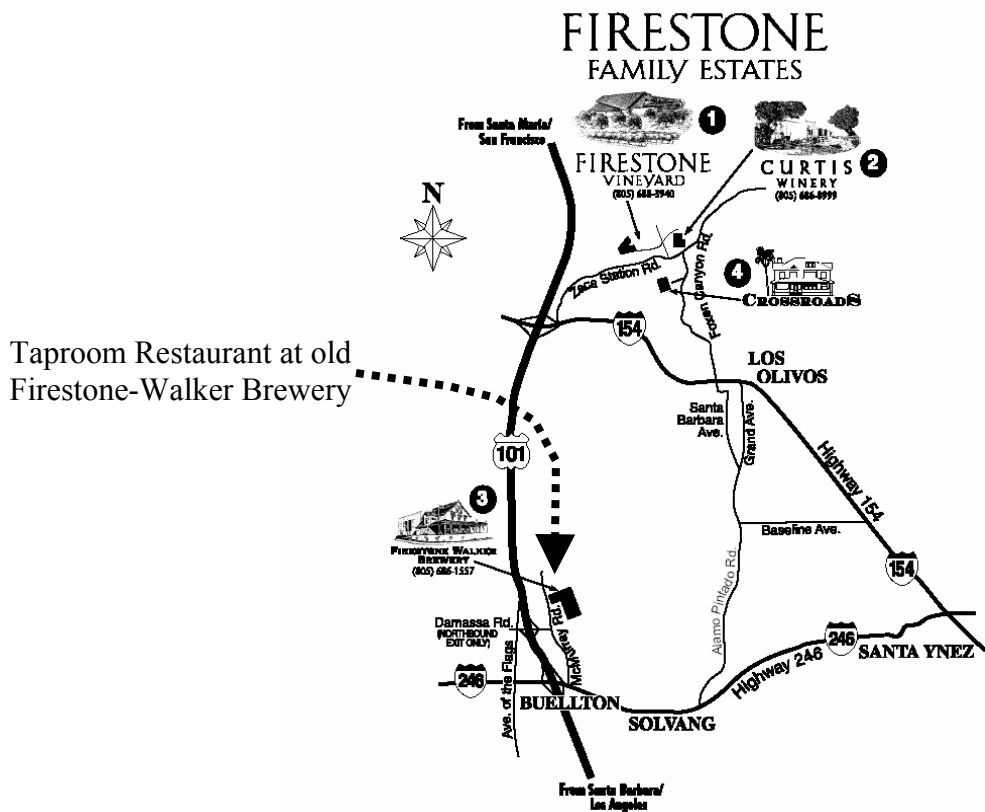
<b>Please RSVP with Payment to:</b>	Name(s) of Attendees	50+ or Student?	Meal Choice
California Los Padres ACS	_____	_____	_____
Dept. of Chemistry and Biochemistry	_____	_____	_____
University of California	_____	_____	_____
Santa Barbara, CA 93106-9510	_____	_____	_____

Please provide contact email or phone # \_\_\_\_\_ Amount Enclosed: \_\_\_\_\_

## Directions to Firestone-Walker's Taproom Restaurant:

**From the South:** Heading North on Highway 101, take the McMurray Road/Avenue of The Flags exit. At top of ramp, turn right. At stop sign, turn left onto McMurray Road. The Taproom is located at 620 McMurray Road.

**From the North:** Heading South on Highway 101, take the Avenue of the Flags exit. Make a quick left on Damassa Road and head over Highway 101. At stop sign, turn left onto McMurray Road. The Taproom is located at 620 McMurray Road.



**CALP** California Los Padres Section  
of the American Chemical Society  
**ACS** Department of Chemistry and Biochemistry  
University of California  
Santa Barbara, CA 93106-9510

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