

*The California Los Padres Section  
of the American Chemical Society  
Fall Dinner Meeting*

*6:45 p.m. Wednesday, September 16, 2009*

Camarillo Library Community Room  
4101 Las Posas Road, Camarillo

with **ACS Tour Speaker**

**Dr. Thomas C. Werner**

Professor Emeritus

Union College, Schenectady, NY

*Speaking on*

***Doping in Sports:  
How chemists catch the "cheaters" (sometimes)***

*"Doping is to sport what criminality is to society, and there will always be criminality in society."*

*--Jacques Rogge, President, International Olympic Committee*

The alleged use of performance-enhancing drugs is increasingly tainting athletic accomplishment. Examples of this sports "doping" problem appear almost daily in the news: pro cycling is brought to its knees by doping allegations, resulting in the loss of sponsorship, the BALCO case and the Mitchell Report pummel Major League Baseball with evidence of steroid use and drug testing concerns become a higher profile issue at the Olympics. The talk will focus on the methods that chemists use to detect sports doping with substances such as amphetamine, steroids, human growth hormone and EPO. Limitations of these methods will be discussed, along with a listing of some of the enormous challenges facing chemists as newer doping substances and methods become available. The talk is based on a course entitled Chemistry and Athletic Performance, which was developed by the speaker with the aid of Dr. Don Catlin and staff at the UCLA Olympic Analytical Laboratory and Anti-Doping Research, Inc.

The cost for the event will be **\$20** per person, **\$10** for students.  
A Mexican Buffet Dinner will be served.

For more info go to the CALPACS website [www.chem.ucsb.edu/~calpacs](http://www.chem.ucsb.edu/~calpacs), email us at [calpacs@chem.ucsb.edu](mailto:calpacs@chem.ucsb.edu) or call James Pavlovich at 805-893-4252.

Please return your check with the form below by **Friday, September 11, 2009.**

\*\*\*\*\*

**Please RSVP with Payment to:**

California Los Padres ACS  
Dept. of Chemistry and Biochemistry  
University of California  
Santa Barbara, CA 93106-9510

Name(s) of Attendees

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Student?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

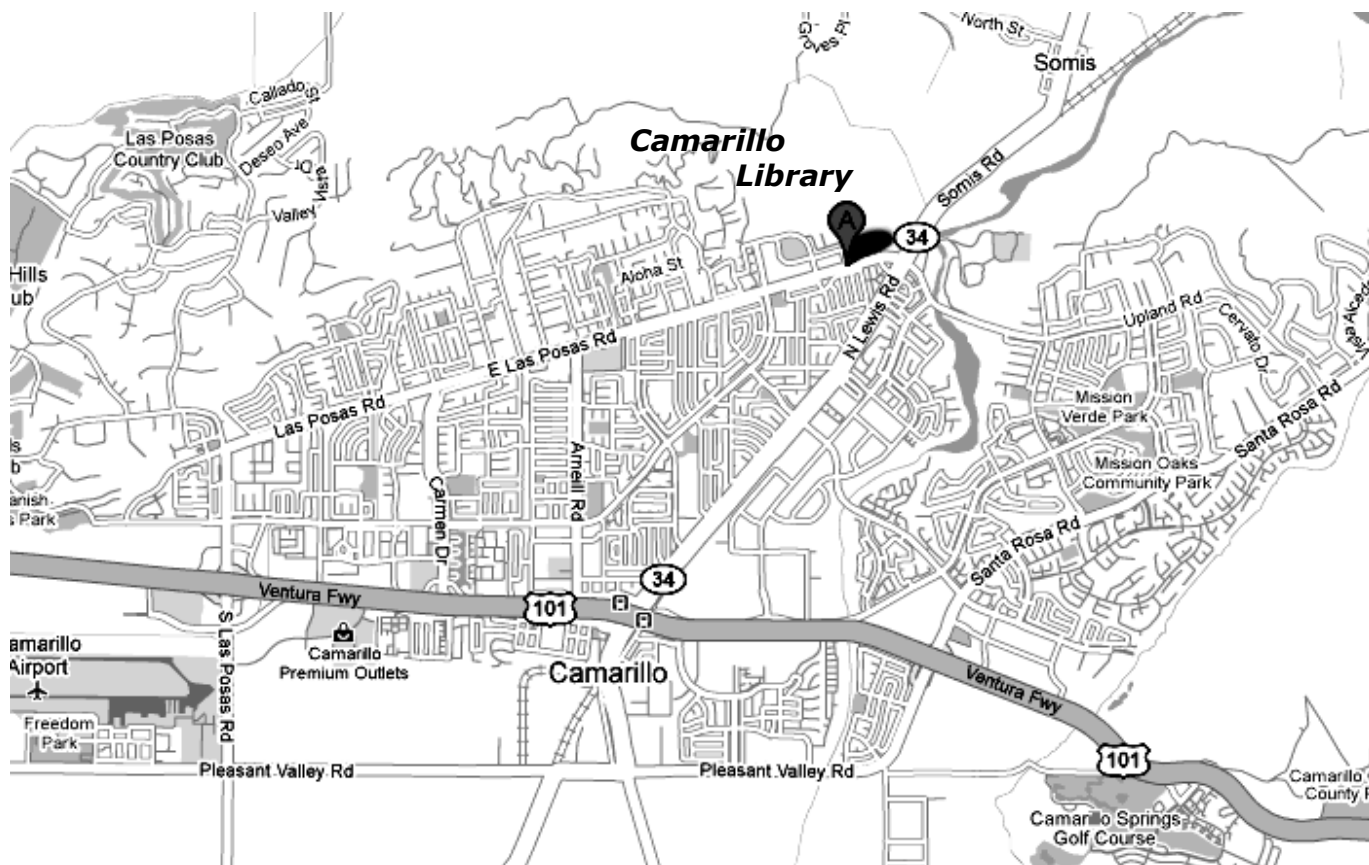
Please provide contact email or phone # \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_

## Directions to Camarillo Library

**From the North:** Take 101 South to Camarillo. Take exit 53B toward Lewis Rd/CA-34. Turn left at Ventura Blvd. Turn left at S Lewis Rd. South Lewis Road will become North Lewis Road. Travel along N. Lewis Road for ~2.3 miles and then turn left at E Las Posas Rd. Turn Right on Fieldgate Street (formerly Via Nogal) then right into the library parking lot.

**From the South:** Take 101 North to Camarillo. Take exit 53B toward CA-34/Lewis Rd. Turn right at E Daily Dr. Turn left at N Lewis Rd. Travel along N. Lewis Road for ~2.2 miles and then turn left at E Las Posas Rd. Turn Right on Fieldgate Street (formerly Via Nogal) then right into the library parking lot.



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

**Non-Profit**  
US Postage  
**PAID**  
Santa Barbara, CA  
Permit No. 510

or current resident