

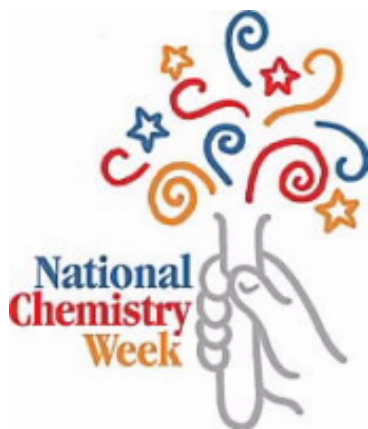


SCALACS

Website address: www.scalacs.org

October 2010

A Joint Publication of the Southern California and
San Geronio Sections of the American Chemical Society



**Southern California
Section Meeting
Celebrating National Chemistry
Week Theme—Behind the
Scenes with Chemistry!
with
Science in the Cinema Returns
to Los Angeles!
Mount St. Mary's Doheny
Campus
October 29, 2010
See Page 3**

**San Geronio Section
Honoring our 50 and 60 Year Members
And Celebrating Mole Day!
Mount San Antonio College
October 23, 2010**

See Page 11

A good vacuum system

needs a great vacuum trap:

Posi-Trap positive flow
vacuum inlet traps!

- No "blow-by"... **ever!**
- Filter elements matched to **your** application.
- **Easy** cleaning and changing.



When you want the best, you want MV Products.



PRODUCTS

A Division of Mass-Vac, Inc.

247 Rangeway Road ■ PO Box 359 ■ North Billerica, MA 01862
978 667 2393 Fax 978 671 0014 sales@massvac.com www.massvac.com



SCALACS

A Joint Publication of the
Southern California, Orange County and San Gorgonio
Sections of the American Chemical Society

Volume LXIII October 2010 Number 6

SOUTHERN CALIFORNIA SECTION 2010 OFFICERS

Chair: Paul Shin
Chair Elect: Joe Khoury
Secretary: Violet Mislang
Treasurer: Barbara Belmont
Councilors: Rita Boggs, Bob de Groot, Herb Kaesz, Tom LeBon, Stanley Pine, Eleanor Siebert

SAN GORGONIO SECTION 2010 OFFICERS

Chair: Jodye Selco
Chair-Elect: Eileen DiMauro
Secretary: David Sruvlivch
Treasurer: Dennis Pederson
Councilors: Jim Hammond, Ernie Simpson

TABLE OF CONTENTS

So. Cal. Chair's Message	2
So. Cal. Meeting & Notices	3-8
This Month in Chemical History	8-9
S. G. Chair's Message	10
S. G. Notice	11-12
Postal Statement of Ownership	12
Index to Advertisers	13
Chemists' Calendar	bc

SCALACS (ISSN) 0044-7595 is published monthly March through May, September and October; and Bi-monthly January/February and November/December along with a special ballot issue once a year. Published by the Southern California Section of the American Chemical Society at 14934 South Figueroa Street, Gardena CA 90248. Subscription price is \$12.00/Yr. Make checks payable to Southern California Section, ACS. Second Class postage paid at Gardena, CA 90247., e-mail: office@scalacs.org.

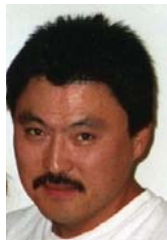
ADVERTISERS: Advertising rates on application. Mail COPY, CONTRACTS and CHECKS to Southern California Section, ACS, 14934 South Figueroa Street, Gardena, CA 90248.

CONTRIBUTORS: Send all copy to Editor, SCALACS, 14934 South Figueroa Street, Gardena, CA 90248, e-mail: editor@scalacs.org.

POSTMASTER: Send change of address to SCALACS, 14934 South Figueroa Street, Gardena, CA 90248.

Southern California Section

Chair's Message



I was seldom able to see an opportunity until it had ceased to be one. ~Mark Twain

The recent September Luncheon Meeting where the Project SEED participants received their recognition certificates and the 50/60 Year ACS Members received theirs, was a golden opportunity (pun intended) for the younger high school students to hear about the opportunities the more experienced folks were able to take advantage of in their extensive and distinguished careers! As our Chair-Elect, Joe Khoury, mentioned there, this event was planned to promote precisely this kind of interaction between the two groups. Now anyone and everyone can benefit from such sage advice as was delivered by the likes of the distinguished attendees. James Wong, in particular, provided a lovely story of how he was afforded an opportunity that he couldn't resist. The gist of his story was that after establishing himself as a chemist, he took advantage of an odd opportunity to become an economist and became so internationally renowned that many didn't even know he was originally a chemist by training! Some of the greatest opportunities in life may take us places we had not even dreamed of before, but we'd never know unless we explore them when presented. So, my suggestion to you is to always keep your eyes open for all opportunities and to not be afraid to consider them when presented or you may regret it later on.

One opportunity that presented itself to me that I am going to take full advantage of is going to the inaugural USA Science and Engineering Festival (www.usasciencefestival.org)! I'll be attending the finale Expo on October 23 & 24 on The Mall in Washington, D.C. where over 500 science and engineering related organizations will be available to help get the public excited about science. If you can join me there, that would be great! If you can't, check out the many satellite events that will occur that same weekend. Unfortunately, none are happening in the LA area this year, but with a little help, perhaps we can get one started for the future! I will be serving at the ACS "Ask A Chemist" booth there and as a COPUS (Coalition on the Public Understanding of Science - copusproject.org) representative.

Fret not if you'd like to take the opportunity to help others in person! You will have many opportunities—check out a great list on our Calendar for the rest of the year and volunteer where you can! Finding those oft fleeting opportunities aren't always obvious. Perhaps making them by volunteering to speak on your career at your child's school or helping out your local (boy or girl) scout troop can be a potential opportunity to make science and engineering fun and exciting for everyone! The most important part of a successful event is to simply have fun—your enthusiasm will be infectious and your opportunities not squandered! Best of luck!

- Paul Shin, Chair
alchemy@csun.edu

Southern California Section

October Meeting -- National Chemistry Week 2010 Celebration - Behind the Scenes with Chemistry!

Science in the Cinema Returns to Los Angeles With the film "The Prestige"

on

Friday, October 29, 2010

At **6:30 p.m.**

at

**Mount St. Mary's College, Doheny Campus
Rose Hills Auditorium - Ahmanson Weingart Hall (Bldg. #4)**

10 Chester Place

Los Angeles, CA 90007

The Prestige is a 2006 mystery thriller film directed by Christopher Nolan, with a screenplay adapted from Christopher Priest's 1995 novel of the same name. This is a story of two magicians whose intense rivalry leads them on a life-long battle for supremacy while they battle each other for trade secrets. Their friendly competition evolves into a bitter rivalry making them fierce enemies-for-life and consequently jeopardizing the lives of everyone around them. Set against the backdrop of turn-of-the-century London, the film features Hugh Jackman as Robert Angier, Christian Bale as Alfred Borden, and David Bowie as Nikola Tesla. The MPAA film rating for this film is PG-13.

This Halloween-themed event will have a special reception area featuring the science of Halloween. Learn how light sticks glow, how pop rocks pop, the tricks of make-up artists, and many other tricks and treats.

This event is co-hosted by the Women in Science and Health (WISH) club at Mount St Mary's College and the ACS Southern California Local Section. For information contact Bob de Groot at: rdegroot@oxy.edu.

Directions: From the Santa Monica Freeway (10), exit at Hoover and travel south about 3/4 mile. Turn left on Adams Blvd. and travel 3 blocks. Turn left on St. James Place and then right on St. James Park. From the Harbor (110) Freeway, exit at Adams Blvd. Travel 1/2 mile west on Adams. Turn right onto St. James Place and right on St. James Park. Ask at the kiosk for directions to the Auditorium and about parking.

For detailed directions and maps please visit:

<http://www.msmc.la.edu/about-msmc/our-campuses/driving-instructions.asp>

Southern California Section

Southern California Chemists Honored as ACS Fellows

Rita Boggs (American Research and Testing), Stanley Pine (California State University Los Angeles), David Tirrell (California Institute of Technology), Paul Weiss (University of California Los Angeles), and Ahmed Zewail (California Institute of Technology) have been elected as Fellows of the American Chemical Society. They were honored at a special event during the national meeting in Boston on August 23, 2010.

The ACS Fellows Program was created by the Board of Directors in December 2008 "to recognize members of the American Chemical Society for outstanding achievements in and contributions to Science, the Profession, and the Society". The honor of a Fellow designation is bestowed on ACS members who have achieved excellence in two defined areas - scientific/professional accomplishments and service to the ACS.



Rita Boggs and Stanley Pine, 2010 Fellows

Southern California Section

Call for Nominations 2010 Richard C. Tolman Medal

The Tolman Medal is awarded each year by the Southern California Section of the American Chemical Society in recognition of outstanding contributions to chemistry. These contributions may include achievements in fundamental studies; achievements in chemical technology; significant contributions to chemical education; or outstanding leadership in science on a national level. The nominee need not be a Southern California resident; however, most of the award-related accomplishments must have been made in this area.

The Southern California Section of the American Chemical Society and the Tolman Award Committee are now seeking nominations for the 2010 award. There is no official nominating form for this award; nominations are accepted from any member of this Section or of cooperating Sections. The nomination package should include:

- an up-to-date curriculum vitae or resume of the candidate
- letters of support from colleagues in the profession describing the candidate's major achievements
- if the candidate is being considered for outstanding teaching, letters of support from former students should be included.

It is preferred that nomination packages be electronically transmitted to the Chair of the Tolman Committee at office@scalacs.org. We are also deleting the requirement for copies of publications. Rather, a list of representative publications would suffice. **The deadline for receipt of nominations is December 15, 2010.** Inquiries should be directed to the Chairperson at (310) 327-1216 or via e-mail at office@scalacs.org. A list of winners appended here demonstrates the caliber of awardee sought by the committee.

1960 William G. Young	1977 Sidney W. Benson	1994 Jacqueline K. Barton
1961 Anton B. Burg	1978 Thomas C. Bruce	1995 Christopher S. Foote
1962 Ernest H. Swift	1979 Harry B. Gray	1996 Larry R. Dalton
1963 W. Conway Pierce	1980 Herbert D. Kaesz	1997 Ahmed H. Zewail
1964 A.J. Haagen-Schmidt	1981 Paul D. Boyer	1998 Kendall N. Houk
1965 Thomas Doumani	1982 Donald T. Sawyer	1999 Peter Dervan
1966 Arthur W. Adamson	1983 James N. Pitts	2000 William A. Goddard III
1967 Ulrich B. Bray	1984 Donald C. Cram	2001 Peter M. Rentzepis
1968 Francis E. Blacet	1985 Arnold O. Beckman	2002 Robert H. Grubbs
1969 Robert Vold	1986 M. Frederick Hawthorne	2003 Arieh Warshel
1970 Robert L. Pecsok	1987 Clifford A. Bunton	2004 Christopher Reed
1971 Roland C. Hansford	1988 John D. Baldeschwieler	2005 Fred Wudl
1972 James Bonner	1989 Mustafa A. El-Sayed	2006 G. K. Surya Prakash
1973 Howard Reiss	1990 Linus Pauling	2007 Barbara Finlayson-Pitts
1974 John D. Roberts	1991 George A. Olah	2008 Joan S. Valentine
1975 Corwin Hansch	1992 Peter C. Ford	2009 Richard B. Kaner
1976 F. Sherwood Rowland	1993 Charles L. Wilkins	

Southern California Section

Second Call for Nominations OUTSTANDING HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR AWARD

If you know of a local high school chemistry teacher who is making a difference, please make the effort to show how important his/her work is to you and the students. Nomination Package should include: Biographical sketch of nominee with date of birth, list of any publications, statement (no more than 1,000 words) of nominee's achievements as a high school level chemistry teacher. Seconding letters are not required, but up to five may be included. **Nominating documents may be submitted via email to office@scalacs.org.** Note that signed documents that have been scanned are acceptable.

The deadline for nominations is **November 15th, 2010**. Please feel free to contact Dr. Paul Shin of the Educational Affairs Committee at alchemy@csun.edu if you have any questions.

Membership Dues

Please remember to pay your Southern California local section dues when you renew your ACS membership. It's only \$12. While that's really not very much at all to an individual, it adds up to significant and usable money for a section of our size. This money funds our outreach activities, our awards and recognition programs and allows us to offer a robust program for our members.

Councilor Talking Points—Boston Meeting

The Councilor talking Points for the National ACS Meeting in Boston in August are available at our website, www.scalacs.org/?page_id=44.

American Research and Testing Inc.

Problem Solving Experts

Chemical consulting and investigation for failure analysis, quality issues, competitive analysis, and litigation support

Rita R. Boggs, Ph.D.
CEO

Barbara Belmont, M.S.
President

800.538.1655 www.americanresearch.com

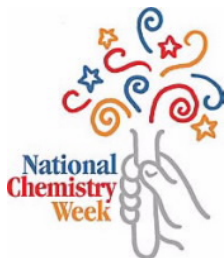
Elemental Analysis

HUFFMAN
LABORATORIES, INC.
Quality Analytical Services Since 1936

CHNOS Ash
ICP AA ICP/MS
TOC TOX BTU
Problem Solving

Phone: (303) 278-4455
FAX: (303) 278-7012
chemistry@huffmanlabs.com
www.huffmanlabs.com
Mastercard, Visa, AmEx

Southern California Section



Outreach Activities

Sunday, October 3, 2010 (12 - 4 pm) Girl Scouts of Greater Los Angeles Family Science Festival at the California Institute of Technology. The theme this 2010 is "Imagination Meets Innovation: What will you do today?" If you would like to volunteer or have questions please contact Robert de Groot at: rdegroot@oxy.edu.

Week of October 17-23, 2010 (Varying Times) National Chemistry Week Activities at the California Science Center, 700 Exposition Park Drive, Los Angeles, CA 90037, website: <http://www.californiasciencecenter.org>. Join volunteers at the California Science Center for NCW activities throughout the week. The theme for NCW 2010 is "Behind the Scenes with Chemistry!" For more information visit: www.acs.org/ncw. If you would like to volunteer or have questions, please contact Henry Abrash at: abrash8@aol.com.

Monday, October 18, 2010 (7 pm) - Science in the Cinema at Mount St. Mary's College (Chalon Campus) co-hosted by the Women in Science and Health (WISH) club and the ACS Southern California Local Section. The evening's feature is "The Prestige." This magical and mysterious film portrays the rivalry between two magicians with an interesting twist. WISH will be conducting a magical movie night discussing the wonders of the film and how it portrays the science in film. For more information contact Tameka Watson at: tamewats@mymsmc.la.edu. This showing is for MSMC students only, but volunteers are needed to help out.

Wednesday, October 20, 2010 (12 - 2 pm) Science is Fun Day at Mount St. Mary's College (Chalon Campus). Join the ladies of WISH as they demonstrate fun ways to conduct science with a day of demonstration at the sunny Mount St. Mary's College Chalon campus. We have activities such as disappearing water and making sour gummy bears. For more information Tameka Watson at: tamewats@mymsmc.la.edu.



Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA , EPA/WDXA, XRD, XRF, ESCA, AUGER, FTIR, DSC/TGA

3815 Lancaster Pike Wilmington DE. 19805
E-Mail micronanalytical@compuserve.com

Voice 302-998-1184, Fax 302-998-1836
Web Page: www.micronanalytical.com



This Month in Chemical History

Harold Goldwhite, California State University,
Los Angeles
hgoldwh@calstatela.edu

The subject of this column and the next is the British (Scottish) chemist Alfred Walter Stewart. Not a household name, I agree, but there are some remarkable features in the career of this chemist, as I hope to demonstrate. Stewart became an author of interest to me through my enthusiasm for detective stories, particularly those in which scientific methods aid the solution of the mystery. I am particularly interested in early examples (pre-1960, say) of this genre of mystery fiction, and have given a number of talks on the subject. But in my reading before early 2010 I had not noted the work of J.J. Connington, the pen name of Stewart in his other career.

Quite accidentally I recently re-read a book by Connington that had been resident on my own bookshelves for decades. I purchased this copy of "The Four Defences" doubtless from a thrift shop (it is marked at 25 cents) and it is a first American edition published by Little, Brown and Company in 1940. To my surprise and delight it had a good deal of scientific analysis of evidence, but more of that later. In a search for more information about J.J. Connington I soon came across an excellent article by George B. Kauffman of California State University, Fresno, published in the Journal of Chemical Education in January 1983. I have drawn heavily on this article for these columns.

First, Stewart the chemist. Born in Glasgow in 1880, youngest son of the Professor of Divinity and Dean of Faculties at Glasgow University. He attended Glasgow University himself earning his B.Sc. in 1902 and his D.Sc. in 1907. He was an excellent student winning many scholarships. He studied in Germany for a year at Marburg under Zincke, and at University College, London where Ramsay was working. His academic career progressed steadily. He joined Queen's University at Belfast as a Lecturer (roughly equivalent to Assistant Professor) from 1909 – 1914; moved back
(Continued on Page 9)

This Month in Chemical History

(Continued from Page 8)

to Glasgow as Lecturer in physical chemistry and radioactivity from 1914 – 1919; and then back to Belfast as Professor of Chemistry from 1919 – 1944 when he retired because of ill health. He died of a heart attack in July 1947.

His initial research was on reactions of aliphatic ketones with hydroxylamine and hydrogensulfite. He became interested in spectroscopy of organic compounds while at University College, London which led to a continuing interest in stereochemistry. His first book, which was on that subject, was published in 1907. His next book was the very successful “Recent Advances in Organic Chemistry”, first published in 1908 with six subsequent revised editions. In a similar vein was “Recent Advances in Physical and Inorganic Chemistry” which first appeared in 1909 and also merited the publication of six subsequent editions. Two other scientific books aimed at a wider audience followed: “Chemistry and its Borderland” in 1914 and “Some Physico-Chemical Themes” in 1922.

Stewart was a “classical” chemist of the pre-quantum mechanics era. He published some early speculations (post- J.J.Thomson) on atomic structure, but mostly stayed close to experimental chemistry including some early work on ketene, and luminescence spectroscopy where he used a Tesla coil to excite molecules – not always appreciating that some of his observed spectra were those of molecular fragments produced by the discharge. He was a much admired teacher of both undergraduate and graduate students and, a man after my own heart, he drew on the history of chemistry to illustrate his lectures.

In my next column I turn to the novelist, writer of mystery and science fiction stories, and alter ego of Stewart, namely J. J. Connington.

San Gorgonio Section



Chair's Message

We just received a grant from national ACS to hold a series of quarterly professional development meetings for academic “technicians” – all of you who prepare laboratory experiments and/or are responsible for laboratory spaces. All high schools, community colleges, and universities in the section will receive invitations soon. Department chairs or heads along with district Risk Management personnel are encouraged to attend as well. If you know of someone that might be interested, please help us spread the word! These workshops will be free for the first 100 registrants; others will pay a nominal fee.

The four meetings this year will focus upon the broad topics of 1) Health and Safety, 2) Regulations and Risk Management, 3) Laboratory Management and Laboratory Personnel Management, and 4) Strategies for Choosing Appropriate Laboratory Experiments (and chemicals!). One objective will be to assist campuses in updating their Chemical Hygiene Plans so that they are as useful as possible. If there are topics you would like to see included, please contact me!

The first meeting in this series will be held at Chaffey College on Friday, December 3. If your institution is interested in hosting one of these meetings, please let us know. We do not know how many people will attend, but so far, interest has been high. We will have more information after the first registration deadline in mid-November.

The section owes its thanks to Joyce Oakdale at Chaffey College for suggesting this idea and helping to write the grant proposal that was submitted to national ACS for funding!

If you would like more information about this, or the October meeting on Mole Day at Mount San Antonio College, please contact me!

- Jodye Selco, Chair, San Gorgonio Section
jiselco@csupomona.edu
(909) 869-4552

San Gorgonio Section

October Meeting

**Honoring our 50 and 60 Year Members
And Celebrating Mole Day!**

**Saturday, October 23, 2010
10:00 a.m. to 2:00 p.m.**

**Mount San Antonio College
Natural Science Complex, Building 60, 61 & 7
Park in Lot D
1100 Grand Avenue
Walnut, CA 91789**

Celebrate National Chemistry Week with the section on Mole Day! Join us for hands-on demonstrations for all ages in the morning. Afternoon events include a chemistry quiz show (college students) and recognitions of our 50 and 60 plus year members.

Attention 50 and 60+ year members – please join us so we can honor and recognize your service longevity!

50 year members:

Sam Haywood
Ted McKinney
James Sims
John Watson
I. Yen

60 year members:

Donald Hessel
Albert Leo
Robert Miller

Cost: Events are free. Lunch will be available for purchase: \$5 to \$8.

Directions: Mount San Antonio College campus is on Grand Ave. between the 10 and 60 freeways: **From 10 Freeway:** Take the 57 South and exit at Temple Ave. Turn right on Temple Ave. Turn right on Mt. SAC Way. Park in Lot D – be sure to purchase a parking permit at the dispenser. **From 60 Freeway:** Take the 57 North and exit at Temple Ave. Turn left on Temple Ave. Turn right on Mt. SAC Way. Park in Lot D – be sure to purchase a parking permit at the dispenser.

San Gorgonio Section

CALLING ALL ACADEMIC LABORATORY PREPARATION PEOPLE!

The San Gorgonio Section just received a grant from national ACS to hold professional development meetings for those who prepare laboratories at the high school, community college, and universities – and their supervisors. We are thinking about four major topics: Health and Safety, Laboratory Management and Human Resources Management in the Laboratory, Regulations and Risk Management, and Strategies for Choosing Appropriate Laboratory Experiments. **The first meeting will be held at Chaffey College on Friday, December 3.** Please save the date! Look for your invitation via e-mail. These events will be free for the first 100 registrants.

If you have any topics you would like to see address, or are interested in attending, please contact Jodye Selco at jiselco@csupomona.edu.

**U. S. Postal Service
Statement of Ownership, Management & Circulation
Filing Date: October 1, 2010**

Publication Title: SCALACS, Pub. No. 482-760
Issued 8 times per year, Annual Subscription Price: \$12.00
Contact Person: Nancy Paradiso, Telephone: 310 327-1216
Mailing Address: 14934 S. Figueroa Street, Gardena, CA 90248
Owner & Publisher: Southern California Section, American Chemical Society
Editor: Barbara Belmont Signature: *B. Belmont*

Circulation Data:

	<u>Avg. Copies Each Issue</u>	<u>No. Copies Single Issue</u>
Total Copies:	3,971	2,200
Outside County	1,825	696
Paid In-County	1,668	1,290
Subscrip. Sales Through Dealers	0	0
Other Classes	0	0
Total Paid Circulation	3,493	1,986
Free Copies Mailed	15	15
Free Copies Not Mailed	10	10
Total Free Distribution	25	25
Total Distribution	3,518	2,011
Copies Not Distributed	453	189
Total	3,971	2,200
Percent Paid Circulation	99	99

INDEX TO ADVERTISERS

American Research & Testing	6
Exova	13
Huffman Laboratories	6
Mass-Vac, Inc.	ifc
Micron, Inc.	7
NuMega Resonance Labs	13
Scientific Bindery	13

PROTECT Your Expensive Lab Work With Research and Development Record Books

STOCK RECORD BOOKS

B50D - Fifty pages and fifty duplicates.
1/4 inch sqs. on right pages.
B100P - 100 1/4 inch sqs. on right
pages. 100-10 sqs. on left pages.
B200P - 208 1/4 inch sqs. on right and
left pages.
B200PH - 208 horizontally lined right and
left pages.
Books have instruction and TOC's. Page
size 11X8-1/2. Hard extension brown
cloth covers. Pages open flat.

\$15.00 EACH, FOB Chicago

CUSTOM MADE BOOKS TO ORDER

SCIENTIFIC BINDERY PRODUCTIONS

8111 N. Saint Louis Ave., #1-A, Skokie,
IL 60076

Phone: 847-329-0510, Fax: 847-329-0608
scientificbindery88yrs.com



Formerly Known As

**West Coast
Analytical
Service**



Analytical Chemistry CRO.
First Commercial Lab with ICPMS.
Full cGMP 500 MHz NMR.

Full service lab with GCMS/MS,
LCMS/MS, GC, LC, IC, FTIR, NMR,
ICPMS, ICP, XRF, UV/Vis, CHN, and
full wet chemistry capabilities.

So. Cal. Lab! 562-948-2225
www.wcas.com
info400@exova.com
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670

*** NMR Service 500 MHz**

***MASS *Elemental Analysis**
Fast Turnaround / Accurate Results

NuMega Resonance Labs.

(858) 793-6057 Fax (858) 793-2607

Please Support Our
Advertisers! They
Support Our Publication!

Tell them you saw their ad
in SCALACS!

**SOUTHERN CALIFORNIA SECTION
AMERICAN CHEMICAL SOCIETY**

14934 S. FIGUEROA STREET
GARDENA, CA 90248

***IMPORTANT
Do Not Delay!***

Contains Dated Meeting Announcement

PERIODICAL

Bi-Section Chemists' Calendar

October

- 3 Girl Scouts Family Science Festival at Caltech—see page 7
18 Science in the Cinema at Mount St. Mary's Chalon Campus—
see page 7
20 Science Fun Day at Mount St. Mary's College—see page 7
17-23 National Chemistry Week activities at California Science
Center—see page 7
23 SG Mole Day Section Meeting—see page 11
29 NCW Science in the Cinema event at Mount St. Mary's Doheny
Campus—see page 3

November

- 15 Outstanding High School Chemistry Teacher of the Year
nomination deadline—see page 6

December

- 3 SG Professional Development Meeting at Chaffey College—see
page 12
15 Tolman Award Nomination Deadline—see page 5