

THE SAN DIEGO CHEMIST

American Chemical Society
Volume 23, Number 12

San Diego Section
December 2011



Year-end Wrap-up and Holiday Party



Join us for our last big event in 2011! Come meet the San Diego Section Executive Board and hear election results for new officers. **Bill Szabo**, the 2011 Chair, will give a year-end wrap-up, and Interim Chair-Elect **Fred Heineken** will discuss plans for the coming year. This is a great meeting to attend if you have been thinking about becoming more involved in SDACS activities!

- DATE:** Thursday, December 8, 2011
- TIME:** 6:00 PM Dinner (served family style)
7:00 PM Presentations
- PLACE:** Chin's Szechwan Cuisine
(near Miramar Rd & I-15)
9355 Kearny Mesa Road, San Diego, CA 92160
- DIRECTIONS:** See Thomas Guide: p.1209, F6
- PRICE:** \$25.00 per Dinner
\$15.00 with Student I.D.
- RSVP:** Friday, December 2, 2011
<http://sandiegoacs2011holidayparty.eventbrite.com>
If you are unable to register online, please use voice mail: (619)687-5570



CHAIR NOTES

Welcome All!

As the International Year of Chemistry winds down, so does my term as Chair of the ACS-San Diego Section. I want to thank the many of you who have worked with me and supported our members in providing so many exciting activities. Indeed, it has been a wild ride, complete with opportunities and challenges!

Rather than provide my usual litany of recent and upcoming events, I thought I would use my last *Chair Notes* to review our accomplishments over the entire year. I am especially proud of the *new* things that we tried, as well as those that we haven't tried in a long time. For example:

- All of the IYC 2011 outreach activities, most of them organized by **Joanna Pool**. These included a program at the California Center for Sustainable Energy, the Marie Curie performance, an interactive EarthFair booth, a hands-on exhibit at a local farmers market, and the upcoming November monthly meeting on forecasting our weather.
- Resurrecting the Women Chemists Committee thanks to **Erica Conroy** and her team of volunteers. Among the events that the WCC organized were the wine/cheese/chocolate pairing at the Bernardo Winery, the evening with ACS President Nancy Jackson, a networking event, a book club meeting, and a team for the Susan G. Komen Race for the Cure®.
- Rejuvenating the Younger Chemists Committee, thanks to Co-chairs **Ryan Clark, Erica Conroy** and **Mark Tichenor**. This year the YCC designed and taught a very popular five-part "Medicinal Chemistry" series and co-organized a successful networking event.
- Funding four ACS Project SEED high school students so that they could perform real-world research under the direction of scientist-mentors last summer.
- Nominating four candidates for national and regional ACS awards. Congratulations to **Barbara Sawrey** for her selection as an ACS Fellow, and **Tom Beattie** for winning the E. Ann Nalley Regional Award (Tom was also selected as an ACS Fellow!).
- Revising the SDACS Bylaws and sending them to the National ACS for comment and approval, thanks to **Fred Heineken** and his committee.

In addition, the San Diego Section again held all of our traditional (or becoming traditional!) activities, including:

- 4 Seniors Breakfasts (**Tom Beattie**).
- The San Diego Section's participation in the U.S. National Chemistry Olympiad (**Debbie Tahmassebi**).
- Judging for the San Diego County Science Olympiad (**Masha Sergeeva**) and the Greater San Diego Science & Engineering Fair (**Ken Poggenburg**).
- Public meetings for the months of January, February, March, April, May, October and November.
- 33 "Mad Science" presentations for local 4th and 5th graders (**Tom Beattie**).
- The Education Committee's Awards Banquet (**Debbie Tahmassebi**), the 50-/60-Year ACS Member Luncheon (**Ken Poggenburg** and **Will Harvey**), and the Distinguished Scientist Award Banquet.
- The family picnic (**Jim Shih**).
- The 14th Annual MedChem Symposium (**Tom Beattie**).
- 2 CATE Lectures focused on entrepreneurship (**Ruo Steensma** and **David Wallace**).
- ChemExpo (**Paul Bruinsma** and **Julann Miller**).
- 12 Content-packed issues of *The San Diego Chemist* newsletter (**Renate Valois**).
- 11 SDACS Executive Board Meetings with an average attendance of 18 members at each!

Still to come this year:

- The annual SDACS elections (**Jim Shih** and **Jackie Trischman**); **please vote by November 25th!**
- A joint SABPA/SDACS "Symposium on Green Chemistry" on December 1st (**David Wallace**).
- A Law Committee seminar on December 6th, the *second* one this year (**Don Lewis**).
- The Holiday Party at Chin's-Miramar on December 8th (*this is our last big event of 2011; please register at <http://sandiegoacs2011holidayparty.eventbrite.com/>*!).

Of course, the show does not stop here! Next year promises to be filled with more interesting activities and new opportunities. I look forward to working with our presumed 2012 Chair **Fred Heineken** and the rest of the SDACS Executive Board and committee members. Please give them *your* support, too!

Signing off,



Bill Szabo
2011 Chair
American Chemical Society – San Diego Section
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SAN DIEGO CHEMIST is published by the San Diego Section of the American Chemical Society on a monthly basis and can be viewed at

<http://www.sandiegoacs.org/newsletter/>.

Our membership is about 3000 chemists, biochemists, and chemical engineers and covers the counties of San Diego and Imperial.

Advertisers: Current ad prices are: Large (4.5"x4.75") \$200; Small (2"x3" or 4.5"x1.5") \$65. All measurements are wide x tall. We cannot accept ads other than these sizes. Please send your jpg to **Renate Valois** at renate@sandiegoacs.org. Make checks payable to **American Chemical Society** and mail to **Dr. David Wallace, 6448 Peinado Way, San Diego, CA 92121**.

TO OUR READERS AND ADVERTISERS –

The San Diego Chemist is the official newsletter of the American Chemical Society San Diego Section. All contents are published at the discretion of the Section executive board. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. Further information regarding events also is available on the Section web page at <http://www.sandiegoacs.org/>

SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members! To subscribe to our moderated listserver:

- 1) Type the following URL in your browser and go to this site:
<http://lists.ucsd.edu/mailman/listinfo/sandiego-chemist-1>
- 2) Follow the instructions to insert your name, e-mail address, preferences, etc., and enter SUBSCRIBE.
- 3) When you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
- 4) You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
- 5) To send questions/topics for discussion, or informational items to the listserver members, send the message to sandiego-chemist-1@ucsd.edu.
- 6) If the moderator approves the post, it will be sent to the members.

NOTE: That is the letter "l", not the number "one" following the word "chemist".

Budget & Finance Subcommittee on Communications

Do you have questions about ACS finances? Communicate them to the Budget & Finance Committee at: b_feedback@acs.org.

Monthly Historical Events In Chemistry

By Leopold May
The Catholic University of America

<http://faculty.cua.edu/may/ChemistryCalendar.htm>

Executive Board Meeting Date 2012 6 PM – 8 PM

Wednesday, January 4th

Meeting will be held at
Pharmatek Laboratories, Inc.
7330 Carroll Road, San Diego, CA 92121

<http://www.pharmatek.com/>



SABPA/ACS Green Chemistry Symposium



- Organizers:** Sino-American Biotechnology and Pharmaceutical Professionals Association (SABPA)
American Chemical Society, San Diego Section
Chemistry Department, Pfizer La Jolla
- When:** Thursday, December 1, 2011
Registration, networking, and light dinner: 5:30 – 6:25 PM
Program: 6:25 - 8:30 PM
- Where:** Pfizer La Jolla, CB4 - cafeteria
10646 Science Center Drive, San Diego, CA 92121-1150
- Registration:** www.sabpa.org/web/reg_2011_greenchemistry.php by Wednesday, Nov. 30, 2011
Free to the public. Sandwiches and soft drinks will be served.
- Sponsors:** [Teledyne Isco](#) [Pfizer, Inc.](#)



Event Program

- 5:30 pm** **Registration, networking and light dinner**
- 6:25 pm** **Opening Remarks**
Peter Huang, Chair of SABPA Green Chemistry Committee; Principal Scientist at Pfizer
- 6:30 pm** ***Accelerated C–H Activation Reactions: A Shortcut to Drug Molecules from Chemical Feedstock***
Dr. Jin-Quan Yu, Professor at Scripps
- 7:10 pm** ***A Primer on Lignocellulosic Biomass, Biofuels and Renewable Chemistry***
Dr. Kim Albizati, CSO, Strategic Enzyme Applications Inc.; Professor at UCSD
- 7:50 pm** ***Producing Petroleum - How Nature and Man Make Crude Oil***
Dr. Jason Pyle, CEO, Sapphire Energy
- 8:30 pm** **Closing Remarks**
Dr. David Wallace, President, Wallace Scientific Consulting

Consider Sponsorship of the ACS San Diego Section!

The **San Diego Section** of the ACS is looking for organizations that are committed to advancing science and education in the greater San Diego area by providing financial support. There are several ways to get involved and each one comes with its own benefits and privileges.

Please contact **Bill Szabo** for further information:

Bill Szabo
Chair, Fundraising Committee
Tel/Fax: 858-550-0306
bszabo1@san.rr.com

The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors

Silver Level Sponsor



Bronze Level Sponsors



SDACS LAW COMMITTEE EVENT

TITLE: "Strategies for Designing Around Chemical Patents"

TOPICS:

1. Identifying blocking patents: the FTO
2. Rules of claim construction relevant to chemistry
3. The boundary between infringement and non-infringement in the chemical arts
4. Application of the Doctrine of Equivalence in the chemical arts
5. Non-infringement opinions

SPEAKERS:

1. Edward Robinson, DLA Piper LLP (US)
2. Donald Lewis, Lewis Kohn & Fitzwilliam, LLP

DATE: Tuesday, December 6, 2011

TIME: 5:30 - 7:30 PM

LOCATION: Sanford-Burnham Auditorium, Building 12
10905 Road to the Cure, La Jolla, CA
(former Sidney Kimmel Bldg)

RSVP: <http://declaw.eventbrite.com/>
Registration ends December 5, 2011

INFORMATION: Don Lewis at dlewis@lewiskohn.com

EXECUTIVE BOARD CANDIDATES FOR 2012
ACS SAN DIEGO SECTION
CANDIDATE BACKGROUNDS

CHAIR

FRED HEINEKEN

Fred has been a member of the American Chemical Society (ACS) since 1968, and has also been a member of the Division of Biochemical Technology (BIOT) and its predecessors since that time. Activities in BIOT include helping with Divisional Programming and service as a Councilor since 1991. He received the James M. Van Lanen Award in 1996 for service to BIOT. Other ACS Activities include serving as Secretary-General of the Biotechnology Secretariat from 1994-2000, and continuing service as a BIOT Representative to this Secretariat. Fred has served on the International Activities Committee from 2000 to 2009, and is currently serving on the Divisional Activities Committee (DAC). As part of the DAC activities, he was recently appointed to represent DAC on the Leadership Advisory Board (LAB). Fred continues to Chair the Division Councilors' Caucus (DCC), and meetings of the Caucus are held at each of the ACS National Meetings. He has served as a Manager on the Board of the Chemical Society of Washington DC. Fred was recently selected to be an ACS Fellow. In September 2009, he retired as a Program Director for the National Science Foundation, moved to the San Diego area and became a board member of the Local Section. Fred would consider it an honor to serve the San Diego Local Section as Chair and asks for your vote for that position.

CHAIR-ELECT **OPEN**

SECRETARY

WILLIAM TOLLEY

Bill is Manufacturing Manager and Research Scientist at Seacoast Science, Inc., in Carlsbad, CA. He is responsible for the design of analytical instruments employing Seacoast's novel chemiselective sensors. He is experienced in inorganic polymers, supercritical fluid chemistry, and electrochemistry. He currently serves on the Executive Board as Secretary and served one term as Member-at-Large. He has 27 U.S. patents and has authored over 50 technical publications and presentations. He earned a Ph.D. in inorganic chemistry from Brigham Young University under Dr. Reed Izatt, and M.S. and B.S. in metallurgical engineering from the University of Utah.

TREASURER

BILL SZABO

Bill received his undergraduate degree in chemistry from Lehigh University, worked for two years as an R&D chemist at Johnson & Johnson's McNeil Laboratories near Philadelphia, and earned a Ph.D. in heterocyclic and medicinal chemistry from the University of Florida. He held a two-year postdoctoral fellowship in natural product synthesis at Wesleyan University with Professor Max Tishler, former president of Merck Research Laboratories and a past ACS president.

Bill was next recruited by Alfred Bader, co-founder of the Aldrich Chemical Company, and worked for 18 years at Aldrich in Milwaukee in various management positions in R&D, production and advertising. He then relocated to St. Louis and spent four years in the sales and marketing of bulk pharmaceutical intermediates for Sigma-Aldrich, positions which included sales director for North America and vice president of international sales.

In 1998, Bill took an early retirement and moved to San Diego. He has since been consulting in drug and business

development. He recently co-authored a chapter in a book edited by Professor Barry Trost on transition metal-catalyzed asymmetric cross-coupling reactions, due for publication in 2012.

Bill is a 44-year member of the ACS. He served on the 2007 ACS Western Regional Meeting organizing committee, was chair of the San Diego Section's Public Relations Committee, and chaired the Section's 2009 and 2010 San Diego Science Festival Committees. He is the 2011 chair of the ACS-San Diego Section.

COUNCILOR

JOHN PALMER

John received his Ph.D. in chemistry from UCSD's Chemistry & Biochemistry Department and has been their safety director for the past 25 years. As your councilor he serves at the national ACS level as a continuing member of the Women Chemists Committee (WCC) and is the WCC Liaison to the ACS Committee on Chemical Safety. He also remains an active member of five technical divisions (CHAL, CHAS, CHED, ENV, & TOX). He has been a member of the ACS for over 32 years, was the 2005 Chair of the San Diego local section (a year we hosted the Spring - ACS National Meeting) and has also served nationally as chair of the ACS Division of Chemical Health and Safety (CHAS). He has been an active member of the Local Section board for 20+ years and served in the past as Secretary and Alternate Councilor. He supports the San Diego community as a technical resource specialist to the San Diego Regional 'Metropolitan Medical Strike Team'. He is finishing a 3-year term as your Section councilor - and requests your support in this election in order to continue serving you at both the local and national level.

ALTERNATE COUNCILOR

PAUL BRUINSMA

Paul received the B.S. in Chemical Engineering from Cal State Poly Pomona in 1984, M.S. from Washington State University in 1988 and Ph.D. from University of California at Davis in 1994. After his B.S. he worked at the South Coast Air Quality Management District evaluating air pollution permits. After his Ph.D. he had a postdoctoral fellowship at Pacific Northwest National Laboratory in Richland, WA. Paul now works at Hewlett-Packard Company in Rancho Bernardo developing ink formulations for inkjet printers. Paul has more than ten peer-review publications and eleven patents. He has served for several years as Member-At-Large and as Alternate Councilor on the SDACS board. He currently serves as chairs of the Newsletter and ChemExpo committees. His primary goal on the board is to help strengthen the chemical community in San Diego.

ALTERNATE COUNCILOR

JULANN MILLER

Julann is an Executive Account Representative with Waters Corporation, starting in 1992. She is a current board member of the San Diego Section and has served as Alternate Councilor, Member-at Large since 2008.

Prior to serving as a board member, she provided seminars for the Young Chemist Society and a was volunteer for the San Diego based 41st Western Regional meeting. Julann received her B.S. from Memphis State

University, Botany major/Chemistry minor. During academic studies she conducted clinical research in the Departments of Medicine at Mayo clinic, Vanderbilt University and UT at Memphis. Pharmaceutical research after graduation included protein crystallography/molecular modeling drug design and drug metabolism within multi-department project teams at Hoffman La-Roche and Allergan Pharmaceuticals.

ALTERNATE COUNCILOR

JIM SHIH

Jim is a protein chemist at Eli Lilly & Co's Lilly Biotechnology Center - San Diego. In the past 16 years he has worked in protein chemistry and analytical chemistry method development in companies including Ligand Pharmaceuticals, Amgen, and Quidel Corporation. A volunteer with the San Diego Section since 2007, he currently provides assistance in the picnic and nominations committees. Jim received both his B.A. And M.S in biology (parasite biochemistry) from University of California at Riverside.

MEMBER-AT-LARGE

RYAN CLARK

Ryan is a San Diego native and graduate of Valhalla High School. In 2002 Ryan earned his B.S. in pharmacological chemistry from UCSD in 2002 and became the first in his family to receive a college degree. While at UCSD he performed undergraduate research with Professor Jay Siegel and with Professor Paul Bartlett at UC Berkeley. After graduation Ryan worked at Discovery Partners International (2002-2003), before entering graduate school at the Scripps Research Institute in La Jolla. In 2008 he completed his doctoral studies with Professor Dale Boger and accepted a position as a medicinal chemist at Amira Pharmaceuticals. Ryan joined a team of founding Amira scientists to form Inception Sciences in early 2011. He has been an ACS member since the year 2000.

MEMBER-AT-LARGE

GRAEME FREESTONE

Graeme received his undergraduate degree in chemistry from The University of Manchester in 2001 and earned a DPhil in 2005 from The University of Oxford for his work investigating the Birch reduction in the labs of Professor Timothy Donohoe. He then moved to San Diego to undertake a three-year postdoctoral position at The Scripps Research Institute with Professor KC Nicolaou, where his work focused on the total synthesis of complex natural products. He was initially recruited by Metabasis Therapeutics and then in 2009 accepted his current position as a medicinal chemist at Helicon Therapeutics where he develops therapeutics to treat cognitive disorders. He is active in the San Diego chemical community and this summer co-organized and instructed, with the Younger Chemists Committee, an Introduction to Medicinal Chemistry course aimed at local graduate students and postdocs to help ease their transition from academia to industry.

MEMBER-AT-LARGE

MARK ROSEN

Mark is a native San Diegan who had his first introduction to the local scientific and biotechnology community at a young age, when his chemist father taught him how to make buffer solutions and help out in his labs at UCSD and two Sorrento Valley startups he founded in the early 1980's. Mark went on to graduate from La Jolla High School and then earned his B.S. degree in chemistry at UCSD, conducting research with Professor Murray

Goodman and also working in the fledgling medicinal chemistry department of Signal Pharmaceuticals (later acquired by Celgene). Mark completed his doctoral studies in organic chemistry at UC Irvine with Professor Larry Overman, and since 2002 has conducted research at the Johnson & Johnson laboratories on the Torrey Pines mesa. Mark has been an ACS member since 1996.

MEMBER-AT-LARGE

JOHN SCHINDLER

John received a BS in Engineering Science (1970) and a M.S.C. (1972), in chemistry, at the Cleveland State University. He worked at CA Litzler, at Republic Steel's Research Center and with Hydrotechnic Corporation and attended the Winter Institute of the Quantum Theory Project at the University of Florida (1970). At CSU, he was a Standard Oil (Ohio) Summer Research Fellow and a Lecturer in Engineering Technology in 1972. In 1973 he joined the Coatings Research Center of PPG (Pittsburgh) and was an evening post-graduate student at both Carnegie-Mellon U. and the U. of Pittsburgh. He entered USC in 1976 and received his Ph.D. in 1980 and spent two years as NSF Post-Doctoral Fellow at UCLA. He joined the USD chemistry department in 1982 which he left in 1986 for an ONT-ASEE Research Fellowship in the Materials Research Branch of the Naval Ocean Systems Center (SpaWar). John has been Chair-Elect, Chair & Past Chair of the ACS San Diego Section (1983-85), Member-at-Large of the ACS Executive Committee (1986-89, 1997-9), as well as DOE-ASEE Summer Faculty Fellow (1983) in the Solar-Thermal Chemicals & Fuels program at JPL. He joined Reagents Applications (1991-2) as Senior Chemist in Research and the San Diego Air Pollution Control District as Associate Chemist in the Monitoring & Technical Service Department (1992), supervising outside contractors in the pollution testing of newly constructed potential sources, until transferring (2006) to the ambient air monitoring section performing gas chromatographic organic vapor analysis on ambient air samples. John took early retirement in August 2009. He authored/co-authored over 15 research papers. He is a member of the ACS, the American Institute of Chemical Engineers, the Society for Applied Spectroscopy, Sigma Xi, the Spectroscopy Society of Pittsburgh, the San Diego Chapter of the Air & Waste Management Association, and is a Registered Professional Engineer in Ohio and Pennsylvania.

This is a one-year term only.

Vote

by

November 25th

2011 DISTINGUISHED SCIENTIST AWARD BANQUET

Each year the San Diego Section of the American Chemical Society holds a banquet to recognize members of our community who have made significant contributions to science and/or our Local Section. This year the Distinguished Scientist Award Banquet was held on October 18th at the 94th Aero Squadron Restaurant in San Diego. It attracted 43 attendees.

Honored with engraved plaques and checks were:

- **Professor Debbie Tahmassebi**, *Chair, Department of Chemistry and Biochemistry, University of San Diego*, **Tony Bottone Award for Outstanding Service to the San Diego Section**
- **Dr. Erica Conroy**, *Chair, Women Chemists Committee*, **Outstanding Committee Chair Award**
- **Ms. Colleen Robinson**, *Helix Charter High School*, **Outstanding High School Teacher Award** (Colleen was presented with her plaque and check at the Education Awards Banquet at USD last May).



Debbie Tahmassebi and Bill Szabo



Erica Conroy and Bill Szabo



Colleen Robinson and Lara Shumer



Kimberly Prather

In the highlight of the evening, SDACS Awards Committee Chair **Tom Beattie** presented the **2011 Distinguished Scientist Award** (consisting of a plaque and a check) to **Professor Kimberly Prather**, Distinguished Chair in Atmospheric Chemistry at the Scripps Institution of Oceanography. Dr. Prather gave a very interesting lecture on her group's research on atmospheric aerosols. In "Chemistry in the Clouds: Efforts to Understand Our Changing Climate", Dr. Prather discussed her studies aimed at better understanding our changing climate. She described new analytical methods developed in her group for making real-world measurements of aerosols, studies which potentially impact California's water supply.



Kim Prather and Tom Beattie



Debbie Tahmassebi, Kim Prather,
and Erica Conroy



From left: Renate Valois, Sr. Pat Shaffer,
Sheila and Ken Poggenburg



From left: Bill Tong, Will Harvey,
Karen Peterson, and David Wallace

Congratulations to all of our honorees!

- Bill Szabo, 2011 Chair
Photo credits: Kathryn Parker, David Wallace

An Evening with Dr. Nancy B. Jackson President, American Chemical Society

On the evening of November 1, 2011, more than 100 San Diego ACS members and guests gathered at the historic La Jolla Woman's Club to host ACS President Nancy B. Jackson.

Dr. Jackson gave a candid, fact-filled presentation about the opportunities and challenges that are resulting from the globalization of chemistry. This was a particularly appropriate topic in this International Year of Chemistry. She mentioned that the ACS had the highest rate of unemployment among its members since the Society started tracking that metric, and that new graduates are "taking a huge hit." Dr. Jackson also commented that there was a "global appreciation" for science in the United States that people in the U.S. do not seem to appreciate.

Judging from the many questions and comments from the audience that followed, the presentation was very well received!



ACS President Nancy Jackson



The crowd listens attentively



Nancy Jackson and Bill Szabo



From left: Gulin Erdogan, Nancy Jackson, Erica Conroy and Katie Duncan

The La Jolla Woman's Club was an ideal setting for the event. The building was designed by John Irving Gill and built in 1913-14 through the financial backing of Ellen Browning Scripps. Since then, it has been the meeting place for the La Jolla Woman's Club and a popular location for special events. The French Gourmet provided the delightful appetizers and desserts.



"Roundtable" with President Jackson



Enjoying the food and wine



Scrumptious appetizers!



Portico at the La Jolla Woman's Club

The ACS-San Diego Section's Women Chemists Committee organized the event. Many thanks to our sponsors: Celgene, CONNECT, Johnson & Johnson, Jones Day, Morrison & Foerster, Pfizer, Sigma-Aldrich, Takeda, Thermo Fisher Scientific, the USD College of Arts and Sciences, Vertex, and WuXi AppTec for helping to make this event such a success!

- Gulin Erdogan, Women Chemists Committee
Photo credits: John Palmer, Bill Szabo

CONGRATULATIONS TO TOM BEATTIE!

E. Ann Nalley Western Region Awardee for Volunteer Service to the American Chemical Society

Congratulations to Tom Beattie on receiving the E. Ann Nalley Western Region Award for Volunteer Service to the ACS!

Tom is currently a Councilor in the ACS-San Diego Section and has served for eight years in that role. He was Chair in 1999 and was an Alternate Councilor (2000-3). He is Chair of the Annual ACS Distinguished Scientist Selection Committee (12 years), organizer of the Annual San Diego MedChem Symposium (since 1999), and has managed the Section's educational programs for schools since 2001 (currently "Mad Science" shows for 4th and 5th graders which more than 40,000 elementary children have viewed). Additionally, he is a member of the San Diego Section's Seniors Committee and three years ago initiated the quarterly seniors/-retirees/consultants breakfasts. He received the San Diego Section's Outstanding Service Award in 1996 and again in 2005.

Tom was the Program Chair of the San Diego Section-sponsored ACS 1995 Western Regional Meeting (which still holds the record as the largest ACS regional meeting ever) and was a Technical Program Advisor and Session Chair for the 2007 WRM.



Tom and his cake at the November SDACS Board Meeting

At the national level, Tom is a member of the ACS National Senior Chemists Task Force (2009-present) and formerly was Chair of the ACS National Silver Circle (Seniors) Working Group (2005-9). He serves as a member of the ACS National Local Section Activities Committee (2004-present) and as Chair of the Local Section Assistance and Development Subcommittee of the LSAC. In 2011 he was selected Fellow of the American Chemical Society.

Apart from the ACS, Tom spent a 27-year career at the Merck Research Labs in Rahway, NJ, working in early stage drug discovery. After taking early retirement from Merck in 1993, he came to San Diego and worked at Amylin Pharmaceuticals and IRORI/ChemRx/Discovery Partners. Since 2001 he has been consulting for many organizations within and outside San Diego, has taught at UCSD and the University of Kansas, and serves on several advisory boards. He holds B.S. (University of Pennsylvania) and Ph.D. (University of Wisconsin) degrees, and was a postdoctoral fellow at M.I.T. Tom has authored or coauthored 23 patents and 16 technical publications.

**2012 ACS PROJECT SEED PROGRAM:
Requests for Funding Now Being Accepted!**

The Executive Board of the San Diego Section of the American Chemical Society has again approved limited funding for the ACS Project SEED program in 2012.

This 44-year-old summer research internship provides economically disadvantaged high school juniors and seniors with an opportunity to work side-by-side with scientist-mentors on research projects in local academic, government, and industrial laboratories. Click [here](#) for more information about ACS Project SEED.

If you are an institutional coordinator or high school teacher and have an interest in applying for support from the ACS-San Diego Section in 2012, please send details (including the level of funding requested) to:

chair@sandiegoacs.org

The deadline for receipt of your request for funding is December 31, 2011. Note that student selection is the responsibility of the participating institution(s).

Give a young student the unique chance to experience real-world scientific research!

BMGT Announces Biotech Business Plan Competition for ACS Members

BMGT is offering entrepreneurs a chance to receive coaching and feedback on how to write a business plan.

The BMGT Biotech Business Plan Competition 2011 is open to ACS members in the biotech sector to submit a business plan for judging and the opportunity to work with a successful business professional as a mentor.

Competition opens September 30, 2011.

Phase 2 submissions are due Wednesday, December 21, 2011 at 5:00 pm EST via e-mail to bizplan@bmgtsites.acs.org. No exceptions.

Top 10 winners will be notified by Friday, January 20, 2012.

Details and hints for writing the business plan may be found at www.bmgtsites.acs.org. Click on the bizplan page in the left column.

For further information or questions, contact Sharon Wilkerson, bizplan@bmgtsites.acs.org

BMGT Biotech Business Plan Competition 2011 Rules

This competition is open only to ACS members and is restricted to businesses in the biotech sector.

Phase 2 due Wednesday December 21st

Final Results of Top 10 teams announced Friday January 20th

Entries must be submitted in pdf format via e-mail: bizplan@bmgtsites.acs.org. Please put the word Bizplan in the subject line of the submission e-mail.

The first 60 entries receive a copy of Palo Alto Software's Business Plan Premier v. 12 Academic Download (a \$100 value). Additional entrants will receive a 30% discount on the purchase of Business Plan Premier v 12 Academic.

Top 20 plans will move on to Phase 2, where each team will receive a mentor and will *resubmit their plan for further judging.*

The top 20 will receive a copy of Palo Alto Software's Business Plan Premier v. 12 Download (a \$200 value).

Phase 2 submissions are due Wednesday December 21, 2011 at 5:00 pm EST. No exceptions.

Top 10 winners will be notified by Friday, January 20, 2012.

Attention Unemployed ACS Members

ACS is here for you. Tap into a host of valuable benefits and services to help you get back into the workforce. How can ACS help you? First, get a special dues waiver. You may retain all of your benefits of membership at no cost. Contact us with your name and ACS member number to see if you qualify. Next, tap into these special benefits and services: See [special benefits for unemployed members](#) and contact the ACS today to see how we can help.

E-mail service@acs.org or call 800-333-9511 or 614-447-3776

**Summary of San Diego Section
Executive Board Meeting Minutes, November 3, 2011**

Budget – Awards Banquet had \$2300 savings by using 94th Aero Squadron Restaurant; deficit YTD of ~\$4700, Investment Pool up \$12K this month through stock gains, ~+\$5K for the year; Hewlett-Packard will sponsor the monthly seminar at their location; David recognized by Board for 10 yrs. of service as Treasurer.

Bylaws Update – Discussion of comments from Board members.

Motion: Send Bylaws to National in present version: Approved

Nominations – Section Officers - Chair-elect nomination is open; committees - Coordinator for National Meeting - Julann Miller agreed to accept this position, (deadline has passed for organizing any events for the National Meeting in SD), need to organize hospitality area; Education Chair open- primary duties: select HS teacher and organize Education Awards Banquet.

Succession Planning – Upcoming tasks for 2012 Chair: make presentation at Wrap-Up Meeting, organize Jan. monthly meeting, prepare Newsletter Chair notes; appoint / confirm committee chairs.

Project SEED – Need mechanisms to decide total expenditure from Section, distribution among recipients, encourage new participants; note two Project SEED students at Nancy Jackson seminar.

Action: Appoint committee develop mechanisms; Ruo Steensma volunteered as chair, Ken as member, Ruo can get third member.

Mad Science – Requesting up to \$8500 for 30 – 35 programs @\$235 each.

Motion: Board provide up to \$8500 for Mad Science for 2012 - Approved

15th MedChem Symposium – Tom talked with UCSD Dept Chem / Biochem, which agreed to support 2012 Symposium; new rules for reserving the venue – must apply after 1/1/12; proposing dates of 7/13 or 7/20 for Symposium.

Motion: Allocate expenditure for symposium - Approved

Distinguished Scientist Award Banquet – Nice food and service, but not good as a meeting venue; cost was less than last year but cost not overriding consideration.

CATE Lecture - 50 attendees in Oct. session, plan to continue next year.

ChemExpo - Fewer students which felt more comfortable, 100 Girl Scouts, some new companies hosted tables.

YCC/WCC – 10/27 - Event @En Fuego, filled available slots; planning for future events.

Action: Plan monthly seminar for early 2012.

Nancy Jackson Seminar – Two Project Seed students with posters, five ChemLuminary Awards on display; raised \$6500 in sponsorships for the event.

Upcoming Events

Western Regional Meeting - Pasadena 11/10-12.

E. Ann Nalley Western Region Award to Tom Beatie who becomes eligible for National Award, Bill S. to attend WR Board Meeting.

Monthly Seminar - @HP Alexander Tardy of NOAA, Nov. 16

SABPA Green Chemistry – Three speakers lined up, intending for one industrial speaker and two academics, 40 minute talks each @Pfizer, Dec 1st.

Seniors Breakfast – Mon. Dec. 5, 9:30.

Law Committee – Topic of strategies for designing around chemical patents @Sanford-Burnham Dec. 6, 5:30 looking for new members of the committee.

Holiday Party - @ Chin's Szechwan Cuisine. Bill to review activities of 2011, Fred to describe plans for 2012.

Grady-Stack Award - Gary Robbins nomination submitted.

Review of the Year's Events – IYC programs, Marie Curie presentation, Nancy Jackson Seminar @ LJ Women's Club, drafted Bylaw revisions.

Next Executive Board Meeting: Wed. Jan 4th.

**EPA Seeking Nominations for 2012
Presidential Green Chemistry Challenge Awards
Nominations Due by Dec. 31, 2011**

The U.S. Environmental Protection Agency (EPA) is accepting nominations for the Presidential Green Chemistry Challenge Awards. [\[Read the EPA news release\]](#)

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2012 ACS Regional Meetings

43rd MARM	May 31 - June 2	Baltimore, MD
43rd CERM	June 6 - 9	Dearborn, MI
67th NORM	June 24 - 27	Boise, ID
38th NERM	September 30 - October 3	Rochester, NY
23rd RMRM	October 17 - 20	Westminster, CO
47th MWRM	October 24 - 27	Omaha, NE
64th SERMACS	October 31 - November 3	Raleigh, NC
68th SWRM	November 4 - 7	Baton Rouge, LA

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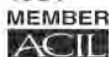
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**Attention Companies!
Do you hire student workers?**

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos
Jacqueline Trischman trischma@csusm.edu
760-750-4206 Fax 760-750-3199

Palomar College
David A. Boyajian dboyajian@palomar.edu
760-744-1150x2549 Fax 413-622-6750

Point Loma Nazarene University
Sara Choung SaraChoung@PointLoma.edu
619-849-2627 Fax 619-849-3452

San Diego Mesa College
Dwayne Gergens dgergens@sdccd.edu
619-388-2609 Fax 619-388-2677

San Diego Miramar College
Linda Woods lwoods@sdccd.edu
619-388-7434 Fax 619-388-7929

San Diego State University (SDSU)
Mikael Bergdahl
bergdahl@sciences.sdsu.edu
619-594-5865 Fax 619-594-4634

Southwestern College, Chula Vista
David Brown dbrown@swccd.edu
619-421-6700x5664 Fax 619-482-6503

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Judy Kim judyk@ucsd.edu
858-534-8080
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CHEMPLOYMENT ABSTRACTS - December 2011

<p>CHEMPLOYMENT 759</p> <p>Position Title Analytical Chemist Research and Technology, BP Biofuels North America, LLC In San Diego, CA, relocation available in country only. Travel required up to 10%.</p> <p>Job Description We are seeking a highly motivated, creative, and collaborative scientist with a strong academic back- ground and versatile hands-on expertise to join our Analytical Chemistry team. The successful candidate will contribute to a number of projects supporting optimization and commercialization of current lignocellulosic ethanol process and development of new biofuels technology platforms.</p> <p>For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>QUALIFICATIONS DESIRED For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>Education A Ph.D. in Analytical Chemistry or related Life Sciences discipline with emphasis in chromatography, and multiple years of postdoctoral or industrial experience is required.</p> <p>Experience Please go to http://www.sandiegoacs.org/chemployment</p> <p>Description of Company For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>Application Instructions For more information please go to http://www.sandiegoacs.org/chemployment</p>	<p>CHEMPLOYMENT 760</p> <p>Position Title Analytical Chemist - Spectroscopy Expert Research and Technology, BP Biofuels North America, LLC In San Diego, CA, relocation available in country only. Travel required up to 25%.</p> <p>Job Description We are seeking a highly motivated, creative, and collaborative scientist with a strong academic background and versatile hands-on expertise to join our Analytical Chemistry team. Supporting lignocellulosic ethanol process, work activities will include analysis of samples generated at different stages of the bioprocess using a range of spectroscopy and other analytical techniques.</p> <p>For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>QUALIFICATIONS DESIRED For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>Education A Ph.D. in Analytical Chemistry or related Life Sciences discipline with emphasis in spectroscopy and multiple years of postdoctoral or industrial experience is required.</p> <p>Experience Please go to http://www.sandiegoacs.org/chemployment</p> <p>Description of Company For more information please go to http://www.sandiegoacs.org/chemployment</p> <p>Application Instructions For more information please go to http://www.sandiegoacs.org/chemployment</p>	<p>CHEMPLOYMENT 761</p> <p>Position Title Vice President of Medicinal Chemistry (2 positions)</p> <p>QUALIFICATIONS DESIRED A peer-recognized, industry- seasoned leader to serve as Vice President of Medicinal chemistry. Expertise in major target classes including GPCR and/or kinase target classes is required. The preferred candidate will have an outstanding track record of leadership in strategic planning, and advancing small molecule programs through the drug discovery and development process coupled with an extensive patent, and publication record;</p> <p>Education Ph.D. degree in Organic or Medicinal Chemistry;</p> <p>Experience At least 15 years of working experience, at least 12 years of experience in leadership roles in medicinal chemistry programs;</p> <p>Description of Company Please see http://www.wuxiapptec.com/ and http://www.sandiegoacs.org/chemployment for more information.</p> <p>Application Instructions Mail or fax <i>résumé</i> to luo.haiyan_hr@wuxiapptec.com</p>	<p>CHEMPLOYMENT 762</p> <p>Position Title Executive Director /Senior Director of Medicinal Chemistry (8 positions)</p> <p>QUALIFICATIONS DESIRED Broad experiences and familiarity with small molecule drug targets including GPCR, kinase, proteases and other enzymes as well as ion channel targets are desired.</p> <p>Education Ph.D. degree in Organic or Medicinal Chemistry</p> <p>Experience At least 10 years of working experience in pharma/biotech and corresponding track record in a leadership capacity in medicinal chemistry.</p> <p>Description of Company Please see http://www.wuxiapptec.com/ and http://www.sandiegoacs.org/chemployment for more information.</p> <p>Application Instructions Mail or fax <i>résumé</i> to luo.haiyan_hr@wuxiapptec.com</p>
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AAAS Science & Technology Policy Fellowships

FELLOWSHIP UPDATES:

Roger Revelle Fellowship - Available in 2012-13

We are pleased to announce that the Roger Revelle Fellowship in Global Stewardship will be offered for the 2012-13 fellowship year.

Upcoming Conferences & Events

AAAS Fellowships staff conduct outreach sessions throughout the year at conferences, campuses and career fairs across the country to share information about the fellowship program areas, placement opportunities, the application and selection processes, and how an S&T Policy Fellowship could influence your career.

Watch Our Webinar

Can't join us at one of our outreach sessions? Watch our webinar to hear former Fellows describe their experiences in the congressional and executive branches of federal government.

For more information please see: <http://fellowships.aaas.org/>

ACS Public Policy Fellowship Programs

ACS has two types of Public Policy Fellowship programs: the Science Policy Fellowship and the Congressional Fellowship. Please see [Fellowship Programs](#) for more information.

ACS-Hach Programs

<http://www.acs.org/hach>

The next application period will be February 1 – April 1, 2012

ACS-Hach Second Career Teacher Scholarship

The ACS-Hach Second Career Teacher Scholarship aims to serve the high demand for secondary and postsecondary teachers in the field of chemistry through scholarships to help chemists earn degrees in education or become certified to teach. The Second Career Chemistry Teacher Scholarship is available to all students with chemistry work experience, a degree in chemistry, and acceptance into either a masters in education or teacher certification program.

ACS-Hach High School Chemistry Grant

The ACS-Hach High School Chemistry Grant is awarded to U.S. high school chemistry teachers seeking funds to support ideas that transform classroom learning, foster student development, and reveal the wonders of chemistry.

ACS-Hach Land Grant Undergraduate Scholarship

The ACS-Hach Land Grant Undergraduate Scholarship is awarded to undergraduate chemistry majors who attend one of our [72 partner institutions](#) and express an interest in teaching high school chemistry. Students are selected on the bases of chemistry aptitude, interest, and need. The selection process is administered by partner universities.

How to Apply & Renew: Contact the [partner institution](#) for application and renewal details.

For questions and additional information, contact us at (800)227-5558 ext. 8178 or hach@acs.org

UPCOMING EVENTS

SENIORS/RETIREEES/CONSULTANTS/ETC. BREAKFAST

Marie Callender's Restaurant & Bakery, 11122 Rancho Carmel Drive, San Diego, CA 92128
December 5, 2011 -- 9:30 AM

SDACS LAW COMMITTEE

"Strategies for Designing Around Chemical Patents"
Sanford-Burnham Auditorium
Tuesday, December 6, 2011 -- 5:30 - 7:30 PM

HOLIDAY PARTY

Miramar-Chin's Seafood and Grill, 9355 Kearny Mesa Road, San Diego, CA 92160
December 8, 2011

THE 58th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR

March 20 - 25, 2012
[Balboa Park Activity Center \(2145 Park Blvd.\)](#)
For information please see <http://www.gsdsef.org/home.asp>

243rd ACS NATIONAL MEETING & EXPOSITION

San Diego, California, CA 92101
March 25-29, 2012

EARTH DAY - EARTHFAIR 2012

Balboa Park, San Diego, CA
April 22, 2012

244th ACS NATIONAL MEETING & EXPOSITION

Philadelphia, Pennsylvania
August 19-23, 2012

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