



SoCal SETAC NEWS



Society of Environmental Toxicology and Chemistry
Southern California Chapter

Volume 11, Issue 2

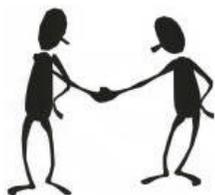
www.socalsetac.org

May 2004

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President's Corner....



PHILIP MARKLE

SOCAL SETAC PRESIDENT

This will be my final address to the members as Chapter President. After the annual meeting, I will rotate to Past President and will soon be in the planning stages for the 2005 SoCal SETAC annual meeting. SoCal SETAC is an entirely volunteer organization and this spirit of volunteerism has never failed to disappoint. This enthusiasm and spirit is no more evident than now as our annual meeting date approaches with so many people “pulling” everything together. The theme of the 2004 SoCal SETAC meeting, “Making Water Quality Objectives Work: Developing Site-Specific Objectives to Meet Local Needs”, is timely and carried on from the two short courses through the plenary. This meeting has generated quite a bit of interest and promises to be a very valuable and exciting event. If you have not yet registered, it is not too late but the short courses are filling fast and I hope everyone is able to attend. The SoCal SETAC Board of Directors has approved a Sustainable Graduate Student Travel Award of \$500.00 to provide travel money to students submitting abstracts for the annual meeting.

SoCal SETAC is also proud to announce that AMEC will be contributing \$600.00 to be used to defray student membership fees and provide student travel awards. In addition, the Water Environment Research Federation (WERF) has agreed to help sponsor the “Biotic Ligand Model” short course which will be used to defray meeting expenses resulting in reduced fees for all members and BBL Sciences will be providing meeting related printing and binding services. Other potential meeting sponsors are still being contacted and will be recognized in the program and in upcoming newsletters.

It has been a great experience being part of the SoCal SETAC Board and I would encourage anyone interested to give it a try. As the outgoing President, I would like to take this opportunity to introduce everyone to the new 2004/2005 SoCal SETAC officers. Lan Wiborg, City of San Diego, will stay on and rotate from Vice President to President. As Vice President, Lan has done an incredible job on the newsletter over the past year and has tirelessly taken on many other responsibilities associated with SETAC NA and various 2004 annual meeting duties. We can look for great things in the future with her as Chapter President. Dan Schlenk, U.C. Riverside, has signed on as the new Chapter Vice President. Dr. Schlenk brings with him much experience serving on the board of other SETAC chapters, SETAC NA and the Society of Toxicology (SOT). Board member Carlita Barton, L.A. County Sanitation, has already taken over the Treasurer responsibilities and Brian Hester, MEC Analytical, will be taking over the Secretary position. Jon Ball, City of L.A., and Jeff Armstrong, Orange Co. Sanitation, will stay on as Chapter Webmaster and Historian, respectively.

Election ballots for six new Board member positions have also been sent out and we should have the results available at the annual meeting. As a result of this influx of new people, we must regrettably say farewell and thank you to others stepping down. This includes our Past President, Steve Bay of SCCWRP. Steve has served as Board member, Vice President, President, and

most recently, Past President. His contributions to the Chapter have been many with the most recent being the planning and organization of this year's annual meeting. Karen Riveles (U.C. Riverside), Board Member and our current Chapter Secretary for many, many years, has accepted a position as a post-doctoral fellow at the Parkinson's Institute in Sunnyvale, CA. Arturo Keller, U.C. Santa Barbara, has been the Chapter treasurer for over 3 years and prior to that, served on as a Board Member. He will be leaving on sabbatical. Paul Krause (BBL Sciences), Shelly Magier (AMEC), and Cherlyn Seruto (U.C. Riverside), all current Board Members, will also be stepping down this year. The contributions from all of these outgoing members are varied and nearly endless. Through their active participation, the Chapter has grown and is now stronger than ever. On behalf of the entire SoCal SETAC Chapter, thank you and best wishes on all of your future endeavors!

Membership Reminder

The membership term for SoCal SETAC is
Jan. 1 through Dec. 31.

Please fill out a membership form (found both in this newsletter and on the website) so we can update your contact information. Send the form and your check (payable to SoCal SETAC) to:

Karen Riveles
SoCal SETAC Secretary
P.O. Box 655
Riverside, CA. 92502

If you have any questions regarding your membership status, please email Karen at:

karenriv@aol.com



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1979 - 2004**

FOURTH SETAC WORLD CONGRESS

**14 - 18 NOVEMBER 2004
PORTLAND, OREGON USA**

Portland Trivia

- The Portland Saturday Market is the largest continuously operating open-air crafts market in the United States.
- Powell's City of Books, occupying an entire city block, is the world's largest independent bookstore.
- The Port of Portland's combined terminals handle \$10.5 billion worth of cargo each year.
- Portland's Junior Rose Festival Parade is the largest children's parade in America.
- Portlandia is the second-largest hammered-copper statue in the world (the Statue of Liberty is the first).
- Portland's International Rose Test Garden is the oldest in the nation.
- More Asian elephants (27 to date) have been born in Portland than in any other North American city.
- Portland is known as the epicenter of America's craft brewing renaissance.
- Portland is home to both the world's smallest dedicated park, Mill Ends Park (24 inches in size), and the nation's largest forested city wilderness – the 5,000-acre Forest Park.
- Portland's nicknames include "Rose City," "City of Bridges," "Rip City," and "Rivercity."
- The Oregon Brewers Festival is the largest gathering of independent brewers in North America.
- There is no sales tax in Oregon

Meet the Board

Cherlyn Seruto

U.C. Riverside



Hello there! I think spontaneous would be the best way to describe my overall personality. I'm also full on contradictions! I really enjoy having a stable job to keep me grounded (and to support my habits – you'll hear about that later), but other than that, the world is wide open, and opportunities for fun abound.

I grew up a typical LA middle class spoiled Southern California brat. I know that because I look at disgruntled teenagers that I see around me and cringe because . . . gulp . . . I used to be one of them! I don't know how I'm viewed by others, but I think I've transcended that person and am now more conscientious of those in the world around me. Perhaps too conscientious. For instance, I've been mostly vegetarian for the past five years (mostly, because I didn't call myself a vegetarian until I realized how much meat people eat! Whew! I'll eat it once a year or so). I think land can and should be used for various other beneficial and environmentally friendly uses than to raise cattle on, for instance. And have you ever visited a pig farm? Let me tell ya, the smell alone is enough to make you despise bacon the rest of your life. But seeing the way land is used here in Riverside (i.e. to pave over and put up carbon copy tract homes on), I'm now somewhat inclined to re-think my view of cattle. I went so far as to wonder if I should be eating vegetables too, because might they have feelings? Nearly a millisecond after I thought this I smacked myself back into reality saying "what would you eat then, idiot?" or something along those lines. I know if I was hungry and living wild in the mountains I would eat whatever I came across, but I am worried by our current system of obtaining food from far distances and unknown production methods in the supermarkets. I am a big advocate of local agriculture/

farmers markets and free range meat products. Yep! I have no problem with people going out and catching their own fish or killing their own deer. If more people did that, I think there would be more interest in the preservation of our natural lands and waters, because more individuals would have a connection to the land and would see the direct repercussions of wasteful and destructive habits/practices.

This summer I rode my bike (yes, a road bike pedaled from the power of my legs) from Seattle, WA to Washington D.C. (www.globalexchange.org/bikeaid). It was really interesting to briefly probe into the lives of individuals across the country. I was most shocked by the desolation in several areas that used to be towns supported by production factories and industry. Most of these companies have now shipped off to other nations for cheaper labor and facility costs, and it was devastating to see the result first hand, and disturbing to contemplate the nationwide and global effects. This experience caused me to think a lot more about big business benefits versus the rights of the little man. If the labor sources for our country are continually outsourced, how are we to ever remain strong as a nation? It is hard to understand this phenomenon from an area like Southern California, where almost every job is service based. So I am thankful for this perspective.

I love being outdoors and physically challenging myself. I have had the opportunity to experience lots of outdoor time thanks to various fabulous jobs. In LA during high school, I worked at Glen Annie Golf Club in Azusa as a cart girl and a first tee starter. There wasn't much nature involved here, but at least I wasn't inside. Then in Santa Barbara during college I worked for several years as a beach Lifeguard, and I taught people of all ages how to sail, kayak, and snorkel. Eventually I began entertaining careers with a more scientific focus, and I worked under several investigators as a research SCUBA diver, and I taught elementary and high school kids about marine biology on a 'floating lab' classroom in a program called OCTOS, which stands for Oceans to Classrooms. That was an amazing job. We would take kids out into the Santa Barbara Channel and teach them various scientific methods for data collection and organism identification. Our instrumentation included chemical measurement kits, Van Dorn bottles, as well as microscopes for viewing plankton, and an invertebrate touch tank.

My interests in becoming a biologist were fine tuned during a three month long education abroad trip to Costa Rica where I studied the impacts of



anthropogenic activity on stream invertebrate diversity in Monteverde. My fate was sealed when I received a grant my senior year of college to study the impacts of nutrient inputs (anthropogenic or oceanic) to kelp forest ecosystems (working with Dan Reed at UCSB). I was deeply interested in the endocrinally disruptive effects of anthropogenic activities, which eventually led me to Dr. Dan Schlenk's lab at UCR. I joined Dan's lab after I completed two amazing internships in the interim of undergraduate and graduate schools. First I was employed as a research diver on the RV Melville (<http://www.bigelow.org/rhizo2002/>), where I dove blue water almost every day on a transect from Hawaii to San Diego, mostly collecting the diatom of genus *Rhizosolenia*. Then I was employed as a research assistant at the UC Santa Cruz Island Biological Station, where I conducted collections and sorting for the PISCO group for about three months.

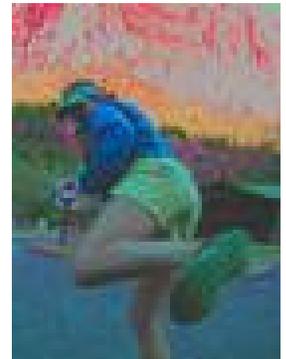


I'm currently competing in triathlons and bike races for the UCR Cycling team, training for which is a great break and stress relief from my studies and lab work. I'd also like to play the guitar and read for pleasure a bit more, but that is usually a tertiary priority. Traveling and hiking are some of my other favorite hobbies. I love attentively relaxing out in nature, feeling at peace with my surroundings, and enjoying the diversity of all life and climate zones. I would like to also be influential in the protection of all natural areas from the destructive masses of bulldozers, concrete and contractors!!

So I feel you now have a good idea of who I am, and what I am about. I like to think I am an approachable person that people can talk to, but I am opinionated on environmental matters! I have a friend that drives her car everywhere, and after several of what I thought were kindly suggestions about the importance being a responsible citizen for the sake of everyone's lungs, one day she blurted out "I'm not going to listen to you, you're just a crazy hippie!" So perhaps I'm not as suave as I thought. Another friend (political science aficionado) was saying that in politics, arguments are standard, and you always basically know that 45% of the

people are going to think one way, 45% the other, and there will be 10% crazy fanatics that you are never going to agree with. Sometimes I think I may be in that 10%, but I think the other 90% are the delusional ones! Who is with me!

It has been a thrill to be involved with SETAC, the highlight of being on the board is the involvement in putting together the annual meeting and the dinner meetings, because sharing of ideas among all walks of the local SETAC world is important in the maintenance of a balanced community, and I am glad to have been a part.



Joining SoCal SETAC Through SETAC North America?

*Some problems have come to our attention as a
result of joining or renewing SoCal SETAC
membership through SETA CNA.*

*If you joined or renewed your
SoCal SETAC membership
through SETAC NA,
please contact*

Karen Riveles
SoCal SETAC Secretary

karenriv@aol.com

CALENDAR OF EVENTS

Contributed by Daniel Schlenk

May 2004 Meetings

The U.S. Environmental Protection Agency's (EPA) Environmental Monitoring and Assessment Program (EMAP) Symposium 2004 3-7 May 2004, Hotel Viking in Newport, Rhode Island. Abstracts for Platform and Poster presentations were due by January 30, 2004, but you may still register at <http://www.csg.org/CSG/Policy/environment/environmental+monitoring+and+assessment+program/default.htm>

Further information on the EMAP Symposium 2004 can be obtained from: Brian D. Melzian, Ph.D. U.S. EPA (NHEERL) Atlantic Ecology Division Phone: (401) 782-3188 E-Mail: Melzian.Brian@epa.gov

NorCal SETAC 14th Annual Meeting May 11-12, 2004, University of California, Davis, CA

So Cal SETAC Annual Meeting 21-22 May 2004, Point Loma Nazarene University, San Diego, CA

June 2004 Meetings

Environmental Endocrine Disruptors. Colby-Sawyer College, New London, New Hampshire 6-11 June 2004. View the conference program at <http://www.grc.org/programs/2004/enviend.htm>. For further information and to apply on-line please visit the GRC web site at <http://www.grc.org/>.

Fundamentals of X-ray Powder Diffraction 7-11 June 2004 Sponsored by the International Centre for Diffraction Data. Web: <http://www.icdd.com/education> or E-mail: clinics@icdd.com

The Second Annual Meeting of the International Society for Stem Cell Research 10-13 June 2004, Boston Seaport Hotel, Boston Massachusetts. For more information visit www.isscr.org/meetings/index.html

ASLO Summer Meeting: The Changing Landscapes of Oceans and Freshwater, Savannah International Trade & Convention Center, Savannah, Georgia 13-18 June 2004. Sponsored by the American Society of Limnology and Oceanography. www.aslo.org

Advanced Methods in X-ray Powder Diffraction 14-18 June 2004 Sponsored by the International Centre for Diffraction Data. Web: <http://www.icdd.com/education> or E-mail: clinics@icdd.com

International Conference on Ecology in a Cost-Benefit Society, Roskilde University, Denmark, 17-18 June 2004 For more information on the programme, registration and poster submission see www.ruc.dk/eco.

Environmental Bioorganic Chemistry, Bates College, Lewiston, Maine 20-25 June 2004. Sponsored by Gordon Research Conferences. View Conference Program at <http://www.grc.org/programs/2004/envibio.htm>. For further information and to apply on-line please visit the GRC website at <http://www.grc.org/>.

July 2004 Meetings

SETAC Europe Workshop. The role of high mountains in the global transport of POPs, Milano, Italy. 1-3 July 2004.

INTERACT 2004, 4-5 July 2004, Gold Coast, Australia
Important Dates:

14 March 2004 Abstracts Due; 21 April 2004 Authors notified of acceptance; May 2004 Earlybird registration closes. More Information: visit official homepage <http://www.interact2004.com>

The ICT X Satellite Meeting on Molecular Epidemiology - Linking Toxicology to Epidemiology: Biomarkers and New Technologies 8-19 July 2004, Porvoo, Finland. Sponsored by The Finnish Institute of Occupational Health. For Additional information, please go to www.ttl.fi/ictxmolepi

10th International Congress of Toxicology 11-15 July, 2004; Tampere, Finland

August 2004 Meetings

VI International Congress on the Biology of Fish 1-5 August, 2004. Tropical Hotel Conference Center, Manaus, the heart of the Amazon. If you are interested in organizing a symposium, please contact Adalberto Luís Val (dalval@inpa.gov.br) or Don McKinlay (MacKinlayD@pac.dfo-mpo.gc.ca). If you are interested in presenting a paper in one of the planned symposia, please contact the symposium organizer. www.fishbiologycongress.com.br

Woodstoick 2004: The Present and Future of

Ecological Stoichiometry 15-19 August, Finse Alpine Research Center, Hardanger Mountains, Norway (<http://biologi.uio.no/fellesavdelinger/finse/>). Norway's Center for Advanced Study (<http://www.cas.uio.no/>) is providing funding to defray the costs of attendance of all accepted participants. To apply, interested parties should provide a cover letter describing their past, ongoing, and/or planned work in ecological/biological stoichiometry and what s/he hopes to contribute to the conference and a short (2-page) c.v. summarizing her/his academic training and past research experiences and accomplishments. The materials should be sent to Dr. Jannicke Moe (moe@nceas.ucsb.edu) by 1 March 2004. For more information, see <http://folk.uio.no/jmoe/woodstoick/> or email moe@nceas.ucsb.edu.

6th International Symposium on Sediment Quality Assessment (SQA6) "Watershed-sediment

management, from source to sink" Antwerp, Belgium 17-20 August 2004. Any further information can be obtained from the conference secretariat: Magda Stalmans, University of Antwerp, Department of Biology, Research group Ecosystem management Universiteitsplein 1 B-2610 Antwerp-Wilrijk – Belgium. Tel. +32 (0)3 820 22 64 Fax. +32 (0)3 820 22 71. E-mail: magda.stalmans@ua.ac.be. Website: <http://www.ua.ac.be/ecobe/>

INTERNAL EXPOSURE - Linking Bioavailability to Effects Workshop. Monte Verità, Switzerland

22-27 August 2004. Organized by Beate Escher, EAWAG, Jopp Hermens, IRAS, and René Schwarzenbach, ETH/EAWAG. Deadline for preregistration: February 1, 2004. For more information, <http://www.eawag.ch/internal-exposure/>. Please send inquiries related to the conference to internal-exposure@eawag.ch

The 9th DCE/FECS Conference on Chemistry and the Environment (DCE9) "Behaviour of Chemicals in the Environment", Bordeaux, France

29 August-1 September. This meeting will be held in association with the 2nd SFC Meeting on Environmental Chemistry. Information about abstract submission, registration, booth reservation and more updated information at <http://www.lptc.u-bordeaux.fr/DCE9>

October 2004 Meetings

VIII Brazilian Congress of Ecotoxicology 17-20 October 2004. Praia Tur Hotel, Florainopolis, SC, Brazil. www.ecotox2004.ufsc.br.

November 2004 Meetings

SRA EA/ KOSET / SETAC AP Joint Conference on Risk Assessment and Management 4-6 November 2004, SK Telecom Center, Ewha Womans University (Seoul, Korea). Theme: "Sharing Experience of Human and Ecological Risk Science and Management in Asia/Pacific Region". Organized by: Society of Risk Analysis(SRA), East Asia; Korean Society of Environmental Toxicology(KOSET); Society of Environmental Toxicology and Chemistry(SETAC), Asia/Pacific. More specifics will be announced early this year at following addresses: <http://www.koset.org> or <http://www.setac.org/asiapacific.html>

Fourth SETAC World Congress "SETAC: 25 Years of Interdisciplinary Science Serving Global Society"

14-18 November 2004. The meeting will recognize more than 2 decades of SETAC members' contribution to environmental science, including landmark research on endocrine disruption, environmental impacts of metals, persistent organic pollutants (POPs) and more. <http://www.setac.org>

SPECIAL ANNOUNCEMENT:

Dr. Donald J. Reish, a long-time member of SoCal SETAC, will be honored at the Southern California Academy of Sciences meetings, May 14-15, 2004 at California State University at Long Beach. At the symposium on May 14th, Dr. Reish will be the plenary speaker and receive the first annual Wheeler North Memorial Award. Presentations at the symposium, *Ecology and Taxonomy of Marine Invertebrates: Honoring the Legacy of Donald J. Reish* will vary in content to reflect the broad range of research interests of Dr. Reish. Members of SoCal SETAC are encouraged to present and attend.

For information about registration please visit the SCAS website <http://scas.jsd.claremont.edu> and contact the one of the organizers, Rick Rowe, at richard_rowe@msn.com to get on the mailing list or for answers to your questions.

CONSULTANTS WITH FOCUS



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BBL has expanded our West Coast presence, adding offices in Long Beach (formally JSA Environmental), Santa Barbara, San Rafael, and Walnut Creek, CA, and an office in Seattle, WA. These offices join BBL's Irvine, CA office in order to improve the environmental and engineering services we provide to our West Coast clients.

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"Thank you for all of the cooperation and efforts you and your firm have extended to the department . . . it is a pleasure working with true professionals such as yourselves."

John A. Perry, P.E.
Director, Water Reclamation
City of San Bernardino Municipal Water Department

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253 922 4296 • Fax 253 922 4296

AMEC San Diego Bioassay Laboratory
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FREE Generic Job Announcements and **INEXPENSIVE** Commercial Advertisements/ Announcements are being accepted for future issues of SoCal SETAC News

Free job postings are limited to 5 lines at publication width (3.25 in., 10 point, Times New Roman font) and are subject to edit as needed to format the newsletter. Job announcements beyond the 5-line limit described or including logos can be purchased at the commercial rates. Per issue ad rates are:

Full Page: \$100 Half Page: \$75 Quarter Page: \$50 Eighth Page: \$35

Please send camera-ready advertisements or job listings to Lan Wiborg at lwiborg@sandiego.gov for inclusion in the next issue of SoCal SETAC News.

SoCal SETAC Officers – Fiscal Year 2003-2004



POSITION	NAME & AFFILIATION	RESPONSIBILITIES
Past President	Steve Bay SCCWRP steveb@sccwrp.org	Advisor/Stand-in for President and Vice-President Program Committee Chair for SoCal SETAC Annual Meeting
President	Philip Markle L.A. County Sanitation Districts pmarkle@lacsdsd.org	National SETAC Liaison Board Agenda & Action Items
Vice-President	Lan Wiborg City of San Diego LWiborg@sandiego.gov	Newsletter Editor
Treasurer	Arturo Keller UC Santa Barbara Keller@bren.ucsb.edu	Maintain Chapter Finances/Non-profit status Meeting Finances & Contracts
Secretary	Karen Riveles UC Riverside karenriv@aol.com	Membership Maintenance Recording board meeting minutes Election Coordinator
Webmasters	Jon Ball City of Los Angeles jball@san.lacity.org	Maintains and updates SoCal SETAC web site
Historian	Jeff Armstrong Orange County Sanitation District jarmstrong@ocsd.com	Maintains So Cal SETAC archives

SoCal SETAC Board of Directors

Board Member (2003-2005)	Brian Hester MEC Analytical hester@mecanalytical.com	Board Member (2002-2004)	Daniel Schlenk UC Riverside daniel.schlenk@ucr.edu
Board Member (2003-2005)	Jan Gan UC Riverside jgan@mail.ucr.edu	Board Member (2002-2004)	Carlita Barton L.A. County Sanitation Districts cbarton@lacsdsd.org
Board Member (2002-2004)	Paul Krause BBL Sciences pkrause@bbl-inc.com	Board Member (2001-2004)	Shelly Magier AMEC Earth and Environmental shelly.magier@amec.com
Board Member (2003-2005)	Cheruly Seruto UC Riverside cseru001@student.ucr.edu	Board Member (2002-2004)	Jon Ball City Of Los Angeles jball@san.lacity.org



Making Water Quality Objectives Work: Developing Site-Specific Objectives to Meet Local Needs



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

Point Loma Nazarene University

San Diego, CA



SoCal SETAC's 2004 meeting will be held on May 21-22 (Fri. & Sat.) at a spectacular location, Point Loma Nazarene University. On San Diego's Point Loma Peninsula, Point Loma Nazarene University's 90-acre main campus overlooks the Pacific Ocean. The theme of this year's meeting is the development and application of site-specific objectives for protecting environmental quality. As TMDLs and other management actions are implemented to address water quality impairments in Southern California, the selection of objectives that are scientifically defensible and appropriate for local conditions becomes critical. The plenary session, platform session, and short courses will address various aspects of this issue.

Pre-registration for the meeting and short courses is April 9, 2004. Early registration for the short courses is advised due the high level of interest we have already received in response to the meeting program.

Program Highlights

Short Courses (Friday May 21):

- (1) An Introduction to the Biotic Ligand Model for Predicting Metal Toxicity**
- (2) The Southern California Coastal Index of Biotic Integrity: A Tool for the Protection of Aquatic Life Beneficial Uses.**

Plenary (Saturday May 22): Site-Specific Objectives: Science and Policy Considerations

The plenary session will examine the rationale for developing site-specific objectives, describe approaches for developing the objectives, and discuss recent examples of the process.

Please see the following pages of this announcement for information on the meeting schedule, short courses and instructions for registrations and submission of abstracts. Cash awards will be presented to the best student poster and platform presentation.



Program Summary



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

Point Loma Nazarene University

San Diego, CA

Program Highlights

- Short Courses: (1) *“Predicting the Toxicity of Metals to Aquatic Organisms: An Introduction to the Biotic Ligand Model”*
- (2) *“The Southern California Coastal Index of Biotic Integrity: A Tool for the Protection of Aquatic Life Beneficial Uses”*

Plenary: **Site-Specific Water Quality Objectives: Science and Policy Considerations**

The plenary session will explore the need for and potential benefits of developing site-specific water quality objectives in southern California. Speakers will provide a local and national perspective on the process of developing water quality objectives, describe approaches for developing site-specific objectives for nutrients and toxics, and provide an update on recent projects to develop site-specific objectives in California.

Tentative Schedule of Events

Friday, May 21

0730-0900	Registration
0800-1700	Short Course – Biotic Ligand Model for Metal Toxicity Short Course – Southern California Coastal Index of Biotic Integrity
1730 -??	Evening social event (SEAL amphibious tour and Mexican buffet)

Space limited: register soon!

Saturday, May 22

0800 - 1400	Registration
0900 – 0930	Welcome, Awards, and Board Presentations
0940 – 1200	Plenary Session
1200 – 1400	Poster Session Including: Lunch (no cost to meeting participants) Author Attended Poster Session Silent book auction
1400 – 1700	Platform Sessions Coastal Pollution Management and Toxicology Mechanisms of Toxicity Aquatic Toxicology Environmental Chemistry



Short Courses



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

Point Loma Nazarene University

San Diego, CA

Predicting the Toxicity of Metals to Aquatic Organisms: An Introduction to the Biotic Ligand Model

Friday, May 21: 8:00 a.m. to 5:00 p.m.

Water quality criteria (WQC) for metals have been developed to protect the integrity of aquatic systems. However, tests used to develop WQC were performed in laboratory waters that often are not representative of natural waters. Water effect ratio (WER) tests account for the effects of substances that alter the toxicity of metals in natural waters, but this process can be costly and time-consuming. The biotic ligand model (BLM) is a computationally efficient alternative to conducting WER tests. The BLM may assist in developing technically defensible site-specific criteria, waste load allocations, and ecological risk assessments. The BLM is under review by regulatory agencies and is being considered for use in refining water quality criteria in the United States.

This course provides an introduction, background and rationale for the BLM, a description of its applications and case examples. The course will cover special considerations, data needs and data quality objectives, and model demonstrations. Demonstrations will be brief scenarios using hypothetical data sets and will cover model navigation, data input, and model outputs. Each attendee will receive a BLM report, a BLM model on CD, and a course notebook.

Instructors: **Paul Paquin**, HydroQual, Inc, Mahwah, NJ

Bob Santore, HydroQual, Inc, Mahwah, NJ

The Southern California Coastal Index of Biotic Integrity: A Tool for the Protection of Aquatic Life Beneficial Uses

Friday, May 21: 8:00 a.m. to 5:00 p.m.

Analysis of the condition of the biological community in a waterbody provides a measure of the impacts of pollution and is increasingly becoming a requirement for NPDES monitoring programs. This short course will examine the development and use of biological assessment techniques and biological criteria using benthic macroinvertebrates to evaluate and protect the health of rivers and streams of southern California. The Southern California Coastal Index of Biotic Integrity (SCCIBI) is a powerful diagnostic tool for assessing aquatic ecological health. The development of biological criteria has been identified as a high priority by the San Diego Regional Water Quality Control Board for the next triennial review. The course will describe the development and structure of the SCCIBI and how regulatory agencies, municipalities, and citizen groups in southern California are using the index and preparing for the planned development and adoption of narrative biological criteria.

Instructor: **Dave Gibson**, San Diego Regional Water Quality Control Board, San Diego, CA

Cost and location: *The pre-registration fee for either course is \$50 for SoCal SETAC members, \$70 for nonmembers, and \$25 for student SETAC members. On site registration fees will be higher. The registration fee includes lunch. Each course will be held on the Pt. Loma Nazarene University campus. Directions to the classroom will be provided upon receipt of the registration fee.*

To register: *Complete the meeting/short course registration form included with this announcement and return it with the appropriate fee to SoCal SETAC at P.O. Box 655, Riverside, CA 92502. Late registration will be permitted on the day of the short course, space permitting.*



Meeting Registration



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

Point Loma Nazarene University

San Diego, CA

Please print

Name:		Affiliation:	
Address:		City:	
State:	Zip:	Phone:	
Fax:		Email:	

Application for Membership

- Membership Renewal Already paid 2004 membership (skip to registration section)
 New member Non-member (skip to registration section)

Category of Employer (check one)

- Government Industry/Business Academic
 Student Consultant Other _____

Membership Category (Annual membership covers January 1st – December 31. Dues paid prior to September 1 will apply only to the current membership cycle)

- Active* (\$20/yr) Regional (\$20/yr) Student (\$10/yr) **Membership Dues** \$ _____

*Active members must also be members of National SETAC (requires separate dues payment)

Short Course and Meeting Registration

Short Courses Friday, 21 May 2004		Active/Regular Member	Student Member ¹	Non- member ²	
Predicting the Toxicity of Metals to Aquatic Organisms (8:00 a.m.-5:00 p.m.)	Pre-reg by 4/9/04	\$50	\$25	\$70	
	Onsite after 4/9/04	\$70	\$35	\$90	\$ _____
Southern California Coastal Index of Biotic Integrity (8:00 a.m.-5:00 p.m.)	Pre-reg by 4/9/04	\$50	\$25	\$70	
	Onsite after 4/9/04	\$70	\$35	\$90	\$ _____
Annual Meeting Saturday, 22 May 2004		Active/Regular Member	Student Member ¹	Non- member ²	
Pre-registration by 4/9/04		\$40	\$20	\$60	
Onsite registration after 4/9/04		\$60	\$30	\$80	\$ _____

All registration fees include lunch

PAYMENT TOTAL \$ _____

- Students that pre-register for the meeting will receive a free 1-year membership in SoCal SETAC thanks to our corporate sponsors. Members of the Water Environment Research Federation may also register at the student rate thanks to the support of WERF.
- You may register as a member if payment of 2004 membership dues are included with this form.

Mail this form and payment to:
(Check or money order only)

Karen Riveles, SoCal SETAC Secretary, P.O. Box 655, Riverside, CA 92502.
(Payable to "SoCal SETAC")

Cash, checks, and money orders will be accepted during onsite registration (no Purchase Orders or credit cards).

Requests for refunds (minus \$25 processing fee) must be submitted in writing before April 21.



Evening Social (Friday, May 21st, 2004)



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

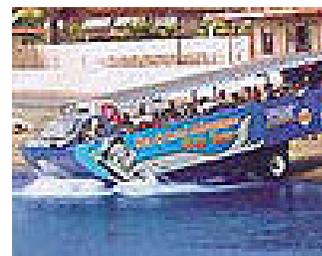
Point Loma Nazarene University

San Diego, CA



It's a boat! It's a bus! It's San Diego's original amphibious Sea and Land Adventure!

Your 1.5 hour, fully narrated SEAL tour begins in Shelter Island (near Point Loma Nazarene University; free parking available), where you will splash down for a cruise through the waters of San Diego Bay and Mission Bay, and a land tour of the Embarcadero district. Experience the history and ecological wonders of San Diego in the comfort and security of our virtually unsinkable Hydra-Terras. You may even meet an endangered species or two!



You will experience, first hand, the rich maritime and military history of San Diego as you cruise past Navy ships, tugboats and fishing vessels. A sweater/light jacket and rubber-soled shoes are advised. **Departure time: 5:30 PM**

Upon returning, bring your appetite 2 blocks east of Shelter Island to Miguel's Cocina for a fabulous buffet!

Grilled fish diablo... Chicken marinated with fruit and chiles...Salad and fresh salsas



Is your mouth watering yet?

Those are just a few of the scrumptious items you'll find at Miguel's Cocina. Add some marvelous hand-shaken margaritas, and you have the ingredients for a fantastic meal. **Buffet begins at 7:30 PM**

Cost per Adult: \$30.00

(Price includes the SEAL tour and Mexican Buffet. **Alcoholic beverages extra**)

Your Name: _____ = \$30.00

No. of Additional Adult Guests: _____ x \$30.00 = \$_____

No. of Additional Child Guests (<12): _____ x \$15.00 = \$_____

Total Enclosed = \$_____

Mail this form and payment to: Karen Riveles, SoCal SETAC Secretary
P.O. Box 655, Riverside, CA 92502.
(Check or money order only; Payable to "SoCal SETAC")



Accommodation



Southern California Regional Chapter of the Society of Environmental Toxicology and Chemistry 2004 Annual Meeting

21-22 May 2004

Point Loma Nazarene University

San Diego, CA

FOR YOUR CONVENIENCE, SOCAL SETAC HAS PREPARED A LIST OF HOTELS/MOTELS WITHIN EASY DRIVING DISTANCE OF POINT LOMA NAZARENE UNIVERSITY. SOCAL SETAC DOES NOT ENDORSE ANY OF THE ESTABLISHMENTS AND DOES NOT ASSUME ANY RESPONSIBILITY FOR LODGING ARRANGEMENT.

WE RECOMMEND MAKING ALL RESERVATIONS NO LATER THAN 31 MARCH 2004, SINCE THE POINT LOMA AREA IS VERY POPULAR WITH VISITORS YEAR-ROUND.

(IN ALPHABETICAL ORDER)

BEST WESTERN AT THE YACHT HARBOR

5005 N HARBOR DR
SAN DIEGO, CA 92106
(619) 224-3254

CABRILLO MOTOR LODGE

1150 ROSECRANS ST
SAN DIEGO, CA 92106
(619) 223-5544

COMFORT INN

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SAN DIEGO, CA 92106
(619) 223-8171

WWW.COMFORTINNATTHEHARBOR.COM

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WWW.HOLINNBAYSIDE.COM

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(619) 222-4704

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