



# SoCal SETAC NEWS

Society Of Environmental Toxicology and Chemistry  
Southern California Chapter

Volume 9, Issue 1

[www.socalsetac.org](http://www.socalsetac.org)

March 2002

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## *President's Corner...*

### **KAT PRICKETT** **SoCAL SETAC PRESIDENT**

**A**mazing... it seems like just a few weeks ago I saw folks at our December dinner meeting, and suddenly here we are with the first quarter of the year slipping away. Before we know it, we'll be gathering again at our next annual meeting. Joe Gully (Immediate Past President) and other members of the Board are busy planning this meeting and its technical program. The annual meeting will be held in mid-July in Riverside, CA. Remember, we depend on you to help us have a successful meeting. Please keep an eye out for the First Call for Abstracts and start planning your presentation.

We are now accepting nominations for Board positions. Serving as a Board member is an excellent opportunity to work with an interesting and diverse group of environmental professionals and to help shape the future direction and focus of the Chapter. If you or someone you know is interested in serving on the Board, please fill out the Nomination Form included in this issue and send it Karen Riveles, our Chapter Secretary, by April 26<sup>th</sup>.

As usual we are always interested in hearing from you. SETAC NA's Education Committee has asked the Regional Chapters to provide input on what topics members would like to see developed into short courses for upcoming NA meetings. Please pass your ideas on to any of the Board members or Officers and we will provide these ideas to the Education Committee. As often happens, you may see your idea developed for our annual meeting first, before moving on to the NA meeting.

## **MEET THE BOARD**

*Shelly Anghera, University of California,  
Los Angeles*

**I** was born and raised in Fullerton in the year of the Rooster in the hour of the Tiger (grrr...). Future employers take note: the Chinese say I am "ahead of my time" and that I "investigate with the candor of a child and the thoroughness of a scientist". Furthermore, I am an Aquarius. My destiny could not have been more obvious.

Around the age of 8 decided I was going to be Jacques Cousteau. At 10, I found out Jacques was a millionaire before he started investigating the oceans, so I decided I was going to marry Jacques Cousteau's grandson. From the ages of 11 to 17 I spent my summers living on a boat in Long Beach Harbor and cruising the Channel Islands. I earned money cleaning boat bottoms, sanding teak, and repairing canvas. All that time on the water further fueled my marine interests. I had fantasies of tracking killer whales across huge expanses of blue water. Little did I know the black sulfur-rich muck on the banks of the harbor would be my calling.



Shelly Anghera at 11, camping at Little Harbor on the backside of Catalina Island.

*(continued on next page)*

*Meet the board (continued from previous page)*

After just getting by in high school, I spent several years at Fullerton City College leaning how to be a student. While there I met my mentor, Dr. Carolyn Heath. With her I spent five years studying sea lion behavior in Mexico and the Channel Islands. We spent our summers in Mexico, on a very remote desert island in the Sea of Cortez. I conducted a study examining the duration of maternal care in juvenile California sea lions. The experience taught me how to investigate with the “thoroughness of a scientist”. But my most important lesson learned was to conduct fieldwork with patience and flexibility!

The sea lion project became the focus of my senior honor thesis at UC Santa Barbara. While at UCSB I worked in an oceanography lab where we investigated the global silica cycle. I was lucky enough to be invited for a month-long cruise to the Midway Islands, where we captured some very stealthy and elusive pelagic diatom colonies. I was also asked to participate in a Cal COFI cruise (California Cooperative Oceanic Fisheries Investigation). During my last year of school I met my husband-to-be, Mike, in the halls of the marine laboratory. Mike is a staff researcher at UCSB working on kelp ecology.

After graduating I worked as a lab-tech at UCSB for Dr. Steve Gaines. There, I oversaw data collection for a project investigating geographical distribution of intertidal organisms around Pt. Con-

ception. All of these research experiences (behavior, oceanography and marine ecology) left me wanting to learn more, but I was a bit skeptical about finding a job as a marine biologist. I needed a more original angle, so I chose applied marine ecology.

I heard about Dr. Rich Ambrose at UCLA, who had (still has) a great reputation as an applied marine ecologist. In the fall of 1996, I started my graduate work with Dr. Ambrose at UCLA. He had recently begun work in the field of wetland restoration and since no one wanted to deal with the benthic infauna, I assumed responsibility by default.

Through the usual twists of fate in graduate school, my project changed from restoration issues to

toxicity issues. My research now focuses on estimating contaminant impacts to the benthic community in a wetland. Part of my thesis focuses on estimating spatial and temporal patterns of sediment toxicity, contaminants and benthic infauna. Steve Bay is an active advisor whose expertise has added greatly to my work. He made it possible for me to analyze the organic contaminants in my samples at SCCWRP's (Southern California Coastal Water Research Project) chemistry laboratory.

Now I am in my final year, writing like a mad woman, trying to document five years of my life into three nice chapters. Ahhh, to jump through the final hoop.... but this one has flames!



Shelly, deep into her dissertation work, collecting sediment in a tidal creek at Pt. Mugu.

## BOARD MEETING MINUTES DECEMBER 2001

*Contributed by Karen Riveles and Steve Bay*

The SoCal SETAC Board of Directors met on December 4, 2001, prior to the dinner meeting at Marie Callender's Restaurant, in Corona, CA. The Secretary reported on the status of our Chapter's membership. The membership database has been updated, there are 75 current members, with another 37 who have yet to renew their membership for the year. Discussion followed regarding ways for the chapter to increase membership and corporate sponsorship. We have recently obtained business cards with the SoCal SETAC logo

for distribution at other meetings. It was recommended that an updated brochure for SoCal SETAC be developed that would include information about the chapter's mission and activities. This idea will be pursued at future board meetings.

The Board discussed options for improving the usefulness of the SoCal SETAC website. Two ideas were discussed: to set up a listserv for interested chapter members that would facilitate communication about environmental toxicology issues and to create a directory of potential employers that would serve as a source of contact information for individuals seeking employment. These ideas will be forwarded to the web site manager to determine their feasibility for implementation.

Initial plans for the 2002 SoCal SETAC Annual Meeting were discussed. The Board decided to investigate holding the meeting

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at UC Riverside in mid-July. The tentative program will cover two days and include a short course on TIEs, a morning plenary session on state-wide ambient monitoring programs, a lunch/ interactive poster session, and afternoon platform presentations. Additional details about the meeting will be discussed at the March board meeting.

Plans for two short courses that will be developed or sponsored by SoCal SETAC were discussed. Joe Gully will pursue development of a short course on TIEs for presentation at the annual meeting and also prepare a request for funding to national SETAC. Steve Bay and Shelly Anghera suggested presenting a workshop on conducting sea urchin toxicity tests, for presentation at the next SETAC or SCAS (Southern California Academy of Sciences) meeting. This workshop would be geared towards students and faculty with an interest in learning techniques for working with sea urchin gametes and embryos. Steve and Shelly will develop a course description, determine if SCAS is interested in hosting the class, and submit a proposal to national SETAC for funding. Joe will coordinate submission of the short course funding proposals to national SETAC.

Kat Prickett presented a summary of the Regional Chapters Meeting, which was held during the national meeting in Baltimore. This group is developing a long range plan for regional chapter contributions to the SETAC mission; two important goals have been identified: to help disseminate information on environmental sustainability and management and to promote training and education in the environmental sciences. The regional chapter representatives were encouraged to identify activities that they could do on a local level to help accomplish these goals. Several ideas to help meet these goals were discussed by the SoCal SETAC Board: participate in school science fairs, continue support for Kids at Heart, make presentations to schools or teachers, provide mentors to students, conduct training courses for college students in partnership with a university, present short courses in applied research techniques, training courses for high school teachers, and development of environmental science curricula. These ideas will be discussed at future board meetings, volunteers from the SoCal SETAC membership are needed to help implement them.

The treasurer's report indicated that SoCal SETAC is doing well financially. Lan Wiborg is continuing to work on the paperwork to attain non-profit status for the chapter and will look into options to reduce fees for checking and accounting services.

The next board meeting was scheduled for March 12, 2002 at the Southern California Coastal Water Research Project.

## SETAC NA 2001 ANNUAL MEETING BALTIMORE, MD

*Contributed by Kat Prickett*

The Inner Harbor of Baltimore was the setting for SETAC NA's 2001 annual meeting and SoCal SETAC was there. If you were at the meeting, I hope you had the chance to stop by the Regional Chapter booth during our stint. Bryn Phillips, a member of our sister chapter to the north (NorCal SETAC) stopped by, dropped off his card, and won two tickets to the Long Beach Aquarium. Congratulations Bryn! We hope you enjoy the aquarium next time your in town visiting family and friends. Quite a few of us got together at the SoCal Regional Chapter Meeting Tuesday afternoon, where we discussed upcoming events, discussed proceedings at the Regional Chapter General meeting, and brainstormed on additional services to provide members. One idea that was hatched was creating a listserv group for chapter members to provide a forum and clearinghouse for environmental and professional issues and questions that any member may have. We are currently looking into this and I will report our progress in the next newsletter. Finally, quite a number of our members presented at the meeting. Look for further details in this issue of the newsletter.

This year, SETAC NA mixed up the old program by beginning what it called Theme Sessions, which presented a different theme speaker each day. Monday's inaugural session was given by none other than Glenn Prickett (yup, that's my cousin), who spoke about working with leading firms to develop business practices that reduce industry's ecological footprints while creating value for the company. Tuesday, USEPA director Christine Todd Whitman spoke to a packed auditorium, providing us with an update on the successes and future direction of EPA. Finally, on Wednesday, John Peterson Meyers spoke on the opportunities and challenges arising from endocrine disruption.

Of course the rest of the meeting was filled with a number of interesting sessions covering topics such as TMDLs, sediment, and TIE/TRE. On Wednesday afternoon, a rollicking risk assessment debate argued the issue of whether populations are protected by current ecological risk assessments.

As usual, the best part of the meeting was getting to see old colleagues and meet new ones during the many social events. Whether at the Opening Reception, the daily poster socials, dinner at the Baltimore Aquarium, or the Baltimore night life of Fells Point and beyond, I hope you were able to unwind and let loose. Hope to see you in Salt Lake City this November!

**Southern California Regional Chapter of SETAC  
Request for Nominations  
Board of Directors**

SoCal SETAC is requesting nominations for the Board of Directors from society members. Four Board of Director positions are open for the 2002 – 2003 term, one in each of the following sectors: Academia (professional), Private, Public, Student.

***Nominee Information (Please Print)***

**Name:** \_\_\_\_\_ **Affiliation:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **Email:** \_\_\_\_\_

**CATEGORY OF EMPLOYER (Check one):**

- Academia (Professional)
- Private
- Public
- Student (Grad./Undergrad.)

Please send nominations by post or email to:

**SoCal SETAC  
P.O. Box 655  
Riverside, CA 92502**

**Karenriv@aol.com**

**Deadline for submission: April 26, 2002**

## SoCal SETAC CONTRIBUTES TO NATIONAL MEETING SUCCESS

*Contributed by Steven Bay*

SoCal SETAC was well represented at the national annual meeting in Baltimore. There were 22 platform or poster presentations given by our members. Here is a sampling of the presentations, which illustrates the diverse interests and representation of our membership.

Linking Benthic Infauna Communities to Toxicity Contaminants in a Tidal Wetland. **M.L. Anghera**, R.F. Ambrose, and **S.M. Bay**. Department of Environmental Health Sciences, UCLA.

Atmospheric Lifetimes and Fates of Selected Fragrance Materials and Volatile Compounds. S. Aschman, **J. Arey**, R. Atkinson, and S.L. Simonich. Air Pollution Research Center, UCR.

DNA Damage in the Tissue of Flatfish Collected for Coastal Ocean Monitoring off of Southern California. **S.A. Steinert**, R. Streib-Montee, **J.L. Armstrong**, G. Robertson, **D. Schlenk**, and **L. Roy**. CSC Biomarker Laboratory, San Diego.

Regional Monitoring of the Southern California Bight: A Successful Partnership. **S.M. Bay**, S.B. Weisberg, R.T. Noble, B.H. Jones, and V. Macias. Southern California Coastal Water Research Project, Westminster.

Rigorous Science and Environmental Justice. **J. Cubit**. NOAA Damage Assessment Center, Long Beach.

Analysis of the Distribution of CYP1A-Inducing Chemicals in the Sediment of the Chesapeake Bay. **J.W. Anderson**, **J.M. Jones**, M. Harmon, and J. Hameedi. Columbia Analytical Services, Vista.

Wildlife Screening Level Benchmarks for Evaluating Bioaccumulation Potential. **M. Pattanayek**, B.R. DeShields, J.J. Gravenmier, C.F. Kemos, and N. Navarro. Harding ESE, Novato.

Palos Verdes Shelf Pilot Capping Project. L.J. Smith and **F. Schauffler**. U.S. Army Corps of Engineers and USEPA Region 9.

Use of Biochemical Endpoints in Fish to Indicate Chemical Contaminants in Sediments. **E. Sapozhnikova**, A.Z. Mason, and **D. Schlenk**. Department of Environmental Sciences, UCR.



16-20 November 2002

*“Achieving Global Environmental Quality:  
Integrating Science & Management”*

The role of science in establishing management objectives and environmental program strategies has never been more important than it is in today's global society. Many of the proposed sessions and special symposia will reflect this theme, and additional technical sessions will address emerging environmental issues, environmental assessment strategies and methods, and other facets of environmental chemistry and toxicology.

The meeting will start and end a day earlier than in past years — short courses and the opening Reception will be on Saturday and the meeting will end on Wednesday. This will hopefully reduce participants' costs by taking advantage of “Saturday night stay” airline fare reductions.

### *Special Symposia*

Global Environmental Changes  
Endocrine Disruptors: Policy, Science, and Issues  
Public Concerns: Role of Science & Science Education  
Environmental Chemistry in Ecological Assessments  
Advances in Regional & Coastal Ecological Assessments  
Biological & Chemical Terrorism  
Control of Invasive/Exotic Species

Abstracts must be received by SETAC 31 May 2002.

Check [www.setac.org](http://www.setac.org) for information on abstract submission and meeting registration

## CALENDAR OF EVENTS

### SO CAL SETAC DECEMBER DINNER MEETING

*Contributed by Fabienne Reisen*

We would like to thank all of you who attended the SoCal SETAC Dinner Meeting on December 4, 2001 at the Marie Callender's restaurant in Corona. We had a good turnout of about 20 people. Dr William Jury, a distinguished professor of soil physics in the Department of Environmental Sciences at UC Riverside, gave an excellent talk, "The Emerging Water Crisis", which is an enormous challenge our world has to face. His presentation tackled the question of: are we running out of fresh water in the future?

Dr Jury began his talk by pointing out the world's population growth, especially in water-stressed areas. By the year 2025, dozens of countries are expected to lack the water needed for food self-sufficiency. The use of extensive irrigation has already resulted in the overdraft of the majority of our fresh water resources. In the future the growing population, expected to increase by 3-5 billion people, will result in huge water demands and also dramatically increase the water pollution. Furthermore, feeding 10 billion people will present a tremendous challenge. Genetically engineered food may be able to increase the crop yield, however, we need to recognize the dominant role that water shortage will play in food production. The water problem needs to be addressed globally and requires cooperation between those who share a common resource.

Dr Jury's presentation was very well received and brought up a lot of very interesting points. It made us all aware of the importance of water resources especially in dry areas. For further reading refer to 'Last Oasis' and 'Pillar of Sand' by Sandra Postel, 'Feeding the world' by Vaclav Smil and the NRC reports: Our common journey, envisioning the agenda for water resources research in the 21<sup>st</sup> century, available online at <http://www.nap.edu/>

*Contributed by Dan Schlenk*

#### APRIL 2002

##### **EURO-SUSTAIN 2002**

2 - 5 April, Rhodes, Greece  
[www.eureka-gr.gr/eurosustain](http://www.eureka-gr.gr/eurosustain)

##### **Southern California Environmental Chemists Society: Hot Topics in Low-Level Environmental Analysis**

4 April, Fountain Valley, CA  
 See announcement in this newsletter or email Diana Young (dianay@sccwrp.org)

##### **Mercury in the Environment: Assessing and Managing the Multimedia Risks**

7 - April, Orlando, Florida  
 Inquiries should be directed to William Stelz (T: 202-564-6834; [stelz.william@epa.gov](mailto:stelz.william@epa.gov)), Thomas Atkeson (Thomas.Atkeson@dep.state.fl.us), Allan Ford (T: 850-934-6014; [fordam1@home.com](mailto:fordam1@home.com)), or Jonathan Herrmann (T: 513-560-7839; [herrmann.jonathan@epa.gov](mailto:herrmann.jonathan@epa.gov)).

##### **New Analytical Techniques for Dissolved Organic Matter**

7 - 11 April, Orlando, Florida  
 For more information, please contact Colleen Rostad ([cerostad@usgs.gov](mailto:cerostad@usgs.gov)) or Cordelia Hwang ([chwang@mwd.dst.ca.us](mailto:chwang@mwd.dst.ca.us)).

#### MAY 2002

##### **9th Annual International Conference on the St. Lawrence Ecosystem: Brownfield Developments - Where Water Meets Land**

7 - 8 May, Cornwall, Ontario, Canada  
[www.riverinstitute.com/html/conference.html](http://www.riverinstitute.com/html/conference.html)

##### **SETAC Europe 12th Annual Meeting**

12-16 May, Vienna, Austria. Challenges in Environmental Risk Assessment and Modelling: Linking Basic & Applied Research

##### **National Water Quality Monitoring 2002: Building a Framework for the Future**

20-23 May, Madison, Wisconsin  
[www.nwqmc.org](http://www.nwqmc.org)

##### **3rd International Conference on Remediation of Chlorinated & Recalcitrant Compounds**

20-23 May, Monterey, California  
 Conference information can be found at [www.batelle.org/chlorcon](http://www.batelle.org/chlorcon). To request the Call for Abstracts brochure e-mail [conferencegroup@compuserve.com](mailto:conferencegroup@compuserve.com) phone 800-783-6338 or 614-424-5461 or fax 614-488-5747.

##### **NABS 2002: The North American Benthological Society Annual Meeting and 50th Anniversary Celebration**

28 May - 1 June, Pittsburgh, Pennsylvania  
[www.benthos.org/meeting/](http://www.benthos.org/meeting/)



*You are invited to attend our*  
**SCECS General Meeting**  
**Thursday, April 4, 2002**

hosted by Orange County Water District  
10500 Ellis Avenue, Fountain Valley CA 92728

Meeting will be held in the Administration Building in the Board Room

***“Hot Topics in Low-Level Environmental Analysis”***

Registration Fee: \$15.00 (includes lunch) if reservation made; \$20.00 at door.  
Please reserve your spot by emailing Diana Young at SCCWRP at [dianay@sccwrp.org](mailto:dianay@sccwrp.org)  
or by voice mail at 714-372-9213 by 4/2/02

**Agenda**

- 8:00 am      Registration and continental breakfast
- 9:00            *“Unregulated Contaminants Monitoring Rules”*  
                  Dr. Andrew Eaton, MWH Laboratories
- 10:00            *“Analysis of 1,4-Dioxane”*  
                  Lee Yoo, OCWD and Allan Chang, Weck Laboratories
- 10:45            Break
- 11:00            *“Reducing the Cost of Chromium Monitoring - Studies on the  
                  Stability of Hexavalent and Total Chromium in Drinking Waters”*  
                  Ali Haghani, MWH Laboratories
- 12:00            Lunch, catered by Luigi’s
- 1:15 pm            *“Ambient Chrome VI in the South Coast Air Basin”,*  
                  Steve Barbosa, South Coast Air Quality Management District
- 2:00            *“Screening Water Samples for In vivo Estrogenic Activity Using ELISA  
                  (enzyme-linked immunosorbant assays)”*  
                  Joe Gully, County Sanitation Districts of Los Angeles
- 2:45 pm Conclusion

**Directions:** How To Find Orange County Water District

Orange County Water District is located about 15 minutes from the Orange County Airport (SNA). From the airport, take the 405 freeway north from MacArthur Boulevard. Exit Euclid and make a right turn from the offramp. Follow Euclid (which actually turns into “Ellis”) under the freeway past the first signal and make a left turn just prior to Ward Avenue. The Administration Building will be the first building on your right.



*Claremont McKenna College  
Joint Science Department  
and the Southern California Academy of Sciences*



***Announcement and Call for Papers***  
**2002 Annual Meeting**  
**June 7-8, 2002**

Claremont McKenna College, Claremont

The 2002 Annual Meeting of the Southern California Academy of Sciences will be held June 7th and 8th at Claremont McKenna College, Claremont, CA.

**Registration:** All individuals attending the meeting, including presenters in contributing paper, poster, and symposia sessions, are required to register for the meeting. The pre-registration deadline is May 20, 2002. See the meeting web site (<http://jsd.claremont.edu/scas/>) for registration form, fee schedule, meeting program and general information.

**Contributed Papers and Posters:** Professionals and students are welcome to submit abstracts for oral or poster presentation. Contributions may be in any area of science or mathematics. In recent years, papers have concentrated in the fields of marine and aquatic biology, terrestrial biology, ecology, systematics, population biology, biogeography and geology. Abstracts are required for all presentations and must be in the format described on the meeting web site. We plan to publish abstracts in the August issue of the Bulletin of the Southern California Academy of Sciences.

**Short Course:** Sea Urchin Toxicity Test Methods for Conducting Marine Environmental Research. Free to the first 20 SCAS participants that sign up. See meeting web site for information.

**Plenary Speakers:** On Friday at 11 a.m. Gregor Hodgson of U.C.L.A. will give a plenary talk entitled "John Q. Public Saves Coral Reefs."

**Symposia:**

- Virtual Oceans
- Marine Monitoring in the Southern California Bight
- Aerial particulate Contaminants
- Rocky Reef Monitoring
- Conservation Management
- Effects of Exotic species on Southern California Wildlife

The **Society of Scientific Illustrators** will have a display during the Poster Session on Friday

**Please see <http://jsd.claremont.edu/scas/>**

## Employment Opportunities

**Watershed Ecologist** The Southern California Coastal Water Research Project ([www.sccwrp.org](http://www.sccwrp.org)) seeks a Ph.D scientist experienced in the measurement/interpretation of water quality data and the use of watershed models. Apply to Bryan Neece, administrative officer, [bryann@sccwrp.org](mailto:bryann@sccwrp.org).

**Laboratory Assistant** The Southern California Coastal Water Research Project ([www.sccwrp.org](http://www.sccwrp.org)) has part-time job openings (20 hrs./wk) for undergraduate/graduate students. Activities include marine animal culture, toxicity testing, and data analysis. Apply to Steven Bay, [steveb@sccwrp.org](mailto:steveb@sccwrp.org).

## THIS SPACE FOR RENT

### CHEAP !!!

**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 Steve Bay at [steveb@sccwrp.org](mailto:steveb@sccwrp.org) for inclusion in the next issue of SoCal SETAC News.

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- geology/hydrogeology
- environmental risk management
- forensic chemistry
- natural resource damage assessments, including environmental economics
- aquatic resources
- restoration ecology
- environmental compliance

*the Team... the Tools... the Results*

# **E N T R I X**

## SoCal SETAC Officers and Board of Directors – Fiscal Year 2001-2002

POSITION	NAME & AFFILIATION	RESPONSIBILITIES
<b>Past President</b>	<b>Joe Gully</b> L.A. County Sanitation Districts <a href="mailto:jgully@lacsdc.org">jgully@lacsdc.org</a>	Advisor/Stand-in for President and Vice-President. Program Committee Chair for SoCal SETAC Annual Meeting
<b>President</b>	<b>Kat Prickett</b> Arcadis JSA <a href="mailto:kprickett@jsae.com">kprickett@jsae.com</a>	National SETAC Liaison Board Agenda & Action Items
<b>Vice-President</b>	<b>Steve Bay</b> SCCWRP <a href="mailto:steveb@sccwrp.org">steveb@sccwrp.org</a>	Newsletter Editor
<b>Treasurer</b>	<b>Lan Wiborg</b> City of San Diego, MWWD <a href="mailto:L7W@sdcity.sannet.gov">L7W@sdcity.sannet.gov</a>	Membership Maintenance Meeting Finances & Contracts Non-Profit Application
<b>Secretary</b>	<b>Karen Riveles</b> UC Riverside <a href="mailto:karenriv@aol.com">karenriv@aol.com</a>	ElectionCoordinator
<b>Board Member (Academic)</b>	<b>Daniel Schlenk</b> UC Riverside <a href="mailto:Daniel.schlenk@ucr.edu">Daniel.schlenk@ucr.edu</a>	
<b>Board Member (Private)</b>	<b>Tim Mikel</b> Aquatic Bioassay and Consulting <a href="mailto:tmikel@pacbell.net">tmikel@pacbell.net</a>	
<b>Board Member (Public)</b>	<b>Gerald McGowen</b> City of Los Angeles, EMD <a href="mailto:gem@san.ci.la.ca.us">gem@san.ci.la.ca.us</a>	
<b>Board Member (Student)</b>	<b>Fabienne Reisen</b> UC Riverside <a href="mailto:fabienne_reisen@hotmail.com">fabienne_reisen@hotmail.com</a>	
<b>Board Member (Academic)</b>	<b>Arturo Keller</b> UC Santa Barbara <a href="mailto:keller@bren.ucsb.edu">keller@bren.ucsb.edu</a>	
<b>Board Member (Private)</b>	<b>Michelle Anghera</b> UC Los Angeles <a href="mailto:angheras@email.msn.com">angheras@email.msn.com</a>	
<b>Board Member (Public)</b>	<b>Jeff Armstrong</b> Orange County Sanitation District <a href="mailto:jarmstrong@ocsd.com">jarmstrong@ocsd.com</a>	

### Membership Reminder

***It's time to renew your SoCal SETAC membership!!!***

Membership fees for 2002 are now due (all memberships were due for renewal on July 1, 2001). The membership term has been changed to the calendar year (Jan. 1 – Dec. 31); renewals received before the end of 2001 will be valid until December 31 2002.

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 made out 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, you can email Karen at [karenriv@aol.com](mailto:karenriv@aol.com)

If you attended the annual meeting, your membership was automatically renewed through December 31 2002.

**SOCIETY OF ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY  
SOUTHERN CALIFORNIA CHAPTER  
2000-2001 APPLICATION FOR MEMBERSHIP**

Please send application and payment (checks payable to Southern California SETAC) to SoCal SETAC, c/o Karen Riveles, P.O. Box 655, Riverside, CA. 92502. Please do not send cash.

Name \_\_\_\_\_ Affiliation \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_ E-Mail\* \_\_\_\_\_

\*E-Mail address required to receive newsletter.

**Category of Employer: (Please check one that applies)**

Government \_\_\_\_\_ Industry/Business \_\_\_\_\_ Academic \_\_\_\_\_  
Student \_\_\_\_\_ Consultant \_\_\_\_\_ Other \_\_\_\_\_

**Technical Background: (Please check one that applies)**

Atmospheric Science \_\_\_\_\_ Engineering \_\_\_\_\_  
Biology \_\_\_\_\_ Health Science \_\_\_\_\_  
Chemistry \_\_\_\_\_ Toxicology \_\_\_\_\_  
Earth Science \_\_\_\_\_  
Ecology \_\_\_\_\_ Other \_\_\_\_\_

**Degree(s) earned:** \_\_\_ B.A./B.S. \_\_\_ M.A./M.S. \_\_\_ Ph.D. \_\_\_ P.E. \_\_\_ Other \_\_\_\_\_

**Class of Membership for which you are applying: (Please check only one)\***

Annual membership covers January 1<sup>st</sup> - December 31<sup>st</sup>. Dues paid prior to September 1<sup>st</sup> will apply only to the current membership cycle.

\_\_\_\_\_ Active Member \$20.00 per year  
\_\_\_\_\_ Regional Member \$20.00 per year  
\_\_\_\_\_ Student Member \$10.00 per year

\***Active Members** and **Regional Members** are qualified professionals who share the stated purpose of the Chapter and who have education, training, research or applied experience in environmental toxicology and/or chemistry. **Active Members** must also be members of National SETAC. **Student Members** are individuals who share the stated purpose of the Chapter and are students showing promise of becoming qualified for Regional or Active status at a later date.

Please check here if you would prefer not to be included in the membership directory \_\_\_\_\_