



## ***The Last Printed Edition of EnvirofACS***

### **221<sup>st</sup> ACS National Meeting**

**April 1 - 5, 2001 ♦ San Diego, CA**

The following symposia will be held in San Diego, CA. Check your program for details.

*General Papers.* Organizer: Michael L. Trehy.

*ACS Award for Creative Advances in Environmental Science and Technology: Honoring Dr. Michael R. Hoffmann,* Cosponsored with Air Products and Chemicals, Inc. Organizers: Michael R. Hoffmann and Ruth Hathaway.

*Advances in Remediation of Heavy Metals in the Environment.* Organizers: David A. Atwood and Michael L. Trehy.

*Biogeochemistry of Environmentally Important Elements.* Organizer: Y. Cai.

*Chlorinated Solvents and DNAPLs: Reactive Permeable Barriers and Other Innovations.* Organizers: Susan M. Henry, and Charles R. Bennett.

*Elegant Analytical Chemistry Applied to Environmental Problems - A Practical Symposium.* Organizers: Victor Turoski, John Plude, and Susan M. Richardson.

*Environmental Challenges for Fossil Fuel Combustion* (Cosponsored with Division of Fuel Chemistry). Organizers: M. Mercedes Maroto-Valer and Yee Soong.

*Environmental Trends* (Cosponsored with ACS Committee on Environmental Improvement) Organizer: Terry L. Wade.

*Molecular Biology Tools In Environmental Engineering* (Cosponsored with Biotechnology Secretariat). Organizers: Roger L. Ely, Alfred M. Spormann, and David A. Stahl.

*Field Analytical Chemistry: Techniques, Technologies, and Applications* (Cosponsored with Division of Analytical Chemistry). Organizers: Eric Koglin, Lawrence H. Keith, William H. Batschelet, and Deanna Crumbling.

*New Science and Technology for Nuclear Waste Disposal and Environmental Remediation* (Cosponsored with Division of Nuclear Chemistry & Technology). Organizers: Heino Nitsche and Michael Heitkamp.

*Process Analytical Chemistry in Support of Green Chemistry* (Cosponsored with Division of Industrial and Engineering Chemistry). Organizers: Istvan T. Horvath and Joseph Wang.

*RTDF Permeable Reactive Barriers.* Organizer: Susan M. Henry.

*Sci-Mix.* Organizer: Michael L. Trehy.

*Separations in Environmental Analysis* (Cosponsored with Division of Industrial and Engineering Chemistry). Organizers: Dale D. Ensor, Martha J.M. Wells, and TN; Nigel Simpson.

*Sustainable Chemistry in the New Millenium.* Organizer: Michael L. Trehy.

*Teaching Environmental Chemistry in the New Century.* Organizers: Melanie M. Cooper and Alan W. Elzerman.

*Tropospheric Chemistry.* Organizer: Jean M. Andino.

### **Editor's Corner**



It is appropriate as we enter the new millenium to move from a printed version of *EnvirofACS* to an on-line format. Thus we now put to bed the last printed version of *EnvirofACS*. The next issue (this summer) will be on the Internet at [www.EnvirofACS.org](http://www.EnvirofACS.org). Moving to the Internet will have many advantages, including the ability of everyone, Division member or not, to access this

publication, to click on hyperlinks to referenced information, and to benefit from more frequent updates. More details are on page 7. And we are making other changes that will provide you with even more cost effective and better membership benefits. So, continue on with us into the future - we'll provide you with more and more useful resources. See you on the Internet next time!

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### Chair's Corner

By Martha M. J. Wells



How often during the year 2000 presidential election were you asked "Are you better off today than you were 4 years ago?"

Upon this, the 30<sup>th</sup> birthday (December 2, 1970) of the U.S. Environmental Protection Agency (EPA), I would like to extend the familiar campaign year question to ask, "Are we environmentally better off today than 30 years ago?"

Certainly we can say our accessibility to environmental information has been greatly improved by EPAs activities over the last 30 years. The EPA should be commended for efforts during the last half of the past decade to make tremendous amounts of environmental information publicly accessible via the Internet, including access to watershed and local pollution data.

For a retrospective look at EPAs involvement in environmental issues, check out the EPA History Office Web pages ([www.epa.gov/history/](http://www.epa.gov/history/)). How much of this trivia do you remember from the past three decades of environmental protection? From the 1970s: the Clean Air Act, Federal Water Pollution Control Act, Safe Drinking Water Act, Toxic Substances Control Act, Resource Conservation and Recovery Act, bans on DDT, heptachlor, chlordane, aerosol fluorocarbons, PCBs, leaded gas, lead-based paint, and Love Canal. Do these keywords jog your memory of the 1980s? Superfund, bans on EDB and Alar, Montreal Protocol, asbestos abatement, Times Beach, Three Mile Island, Bhopal, Chernobyl, radon monitoring, Right-To-Know, and Toxics Release Inventory. The 1990s brought the terms dursban, sustainable development, passive smoke, acid-rain emissions trading, brownfields redevelopment, sewage sludge ocean dumping, environmental justice, Kuwait oil fires and the Exxon Valdez oil spill to the forefront of our environmental vocabulary. If you're telling your age like me, you'll remember most of these issues. Hats off to EPA for keeping them alive for all to study. Detailed information on all these topics are available at the EPA Office of History web site.

My educational/professional career stretches over the same time period as EPAs life-span. As I reflect back I can say without hesitation that the state of the environment has indeed improved today compared to my memories of 30 years ago. The EPA has been the lead organization for many of these improvements. There are, however, a few more problems EPA and environmental professionals like ourselves need to solve. On behalf of the American Chemical Society Division of Environmental Chemistry, we congratulate and celebrate EPAs 30<sup>th</sup> anniversary.

### Comments from the Chair-Elect

By Allan Ford



Extended abstracts have been an important feature of the Environmental Division's service to its' members for as long as we can remember. During the past several years the Environmental Division has been trying to manage the increasing cost of our extended abstracts while keeping dues at a reasonable cost.

Publication of extended abstracts are the largest single cost to the division. For example, extended abstracts for the past Washington, D.C. meeting cost over \$40,000, nearly 50% more than we had budgeted. We printed 2,561 hard copies and 3,100 CD's. However, the hard copies cost \$31,917 and the CD's cost \$8,247.

Many of our members have indicated that they prefer CD's to hard copy for their ease of use and storeability. Since CD's are far less expensive than hard copy, we have encouraged our members to switch to CD. We plan to complete the switch to CDs for our extended abstracts beginning in 2001. More information will follow in future editions of *EnvirofACS*. At some time in the future we expect to deliver our extended abstracts electronically via the Internet as that will give our members even much faster service.



We are saddened by the untimely death of Chuck Bennett. Chuck died suddenly at his home in Fullerton, CA in mid November.

Chuck was a valued and hard working member of our Division's executive committee.

#### Charles R. Bennett

Chuck chaired our Speaker's Expense Committee and also was a co-organizer, with Susan Henry, of the symposium in San Diego this April on *Chlorinated Solvents and DNAPLs: Reactive Permeable Barriers and Other Innovations*. We'll all miss his smile and ever ready helpfulness.

## Committee on Environmental Improvement

By Ray Garant, ACS Staff

At its meeting in Washington, the Committee on Environmental Improvement (CEI) worked on a wide range of projects including:

- Endorsing the pending alliance between ACS and the Green Chemistry Institute and discussing how the alliance would affect CEI's strong interest in green chemistry. The Alliance was approved by both organizations and formally announced on December 15, 2000 at PacifiChem. Starting in January the Green Chemistry Institute moved into ACS Headquarters and began planning for its future.
- Recommending a statement to the ACS Board of Directors on federal government incentives for pollution prevention, green chemistry, and environmental sustainability activities and recommending support of specific legislation to provide tax incentives for the purchase of new, less-polluting dry cleaning technologies. The Board approved the White Paper in September and it can be found on the Internet: [www.acs.org/government/policy/2000\\_020.html](http://www.acs.org/government/policy/2000_020.html). Also, ACS members were encouraged to support the dry cleaning legislation through the ACS Legislative Action Network and nearly 500 responded with letter to their congressional representatives.
- Discussing future white papers addressed to the new Administration and Congress on sustainability and on regulatory policy and a statement in support of the recent NAS report on strengthening science at EPA. The first two items were adopted as part of the Society's 2001-2002 Public Policy Priorities and transition papers for the new administration and Congress (on the web at [www.acs.org/government/policy/ndex.html](http://www.acs.org/government/policy/ndex.html)). Work continues on the third topic.
- Reviewing the first issue of *Climate Focus*—an update on peer-reviewed climate research that assists scientists in communicating key research results to Congress—organized by ACS with nine other professional societies. Two issues of the update have been sent to approximately 75 participating scientists. *Climate Focus* will become a monthly update beginning in February of 2001.
- Accepting the final report on Performance Based Measurement Systems and dissolving the task force that assembled the report.
- Receiving a presentation on voluntary consensus standards from a representative of the American National Standards Institute and identifying several potential projects in this area.

## Environmental Chemistry Division Summary

By Larry LaFleur, Division Secretary

At the August 20, 2000, meeting of the Executive Committee, the proposed budget for 2001 received considerable discussion. As described in Allan Ford's article in this edition of *EnvirofACS*, the Division's Executive Committee decided that the time has come to make the switch to the CD-ROM version of the pre-prints for all members.

The ACS Constitution and Bylaws Committee review of the recently revised Division bylaws was also discussed. Some additional changes are required and others were suggested. The Executive Committee will continue its efforts to update the bylaws.

The Committee heard a report on the progress towards establishing an award in honor of Joe Breen and his contributions to Green Chemistry. Roger Minear will continue to spearhead and coordinate the Division's efforts to achieving this goal.

Martha Wells reported on a proposed alliance of ACS and the Green Chemistry Institute (GCI). The proposal would make the GCI a wholly owned subsidiary of ACS (see the CEI column discussion by Ray Garant on this page). Martha suggested that it might be helpful if the Division had a seat on the Advisory Board to facilitate interactions between the Division and GCI and to prevent conflicts in programming. ACS headquarters responded favorably and will take this under advisement.

The Committee reviewed information pertaining to ACS efforts to publish Division pre-prints on the ACS web site. The costs for supporting this program would be split between the Divisions which choose to participate. The Executive Committee will continue to investigate the pros and cons of this opportunity. We would very much like to hear what you think.

The Committee heard reports from all the standing committees and conducted business as required by the Division's bylaws.

### Election Results

I would like to announce the following new and re-elected 2001 Division Officers (and I assure you, we only had to count the ballots once!)

**Councilor:** Dean Adams  
Roger Minear

**Alternate Councilor:** Ted Mill

**Members-at-Large:** Todd Anderson  
Chuck Bennett  
Olin Braids  
Robert Lipnick



## Environmental Division Receives Year 2000 ChemLuminary Award

By Larry LaFleur, Division Secretary

During a gala event at the Washington DC National Meeting, the Division of Environmental Chemistry received a 2000 ChemLuminary Award for outstanding ACS Technical Division. The event, now in its second year, is designed to honor and recognize ACS members and volunteers for their outstanding efforts on behalf of the Society. The Technical Division award gives special recognition for innovative programs and outstanding service to its members.

Cited in the award were our efforts to recruit and retain younger members, including students. Our student discounted membership has been very successful. Today, the Division boasts over 500 student members, almost 10% of our membership. We are glad to have these new members and hope that they will begin to play a larger role in our programming and Divisional leadership. Student members considering presenting papers at upcoming National meetings are encouraged to see the article by Todd Anderson in the next column to find out how they can participate in the Division Student Awards program. Those interested in serving in our governance can contact any of the Division Officers (see page 9). We'd be glad to help find something that will appeal to you and get you involved.

The Division was also acknowledged for its expanded electronic services. The Division has lead the way in making pre-prints available in electronic form and now other ACS technical Divisions are seeking our Business Office Manager's advice on how publish CD-ROMs to cost-effectively. You may also be aware that *EnvirofACS* is now available to our members via e-mail rather than snail mail. We are now exploring how we can incorporate color and hyperlinks in the electronic newsletter to give it a more professional and appealing look. Soon, (like the very next issue) you'll be able to download or view *EnvirofACS* on our web site.

While receiving an award such as this is nice, the Executive Committee and other member volunteers who help run the Division are always looking for ways to improve and strengthen the Division and the services it offers its members. We are always open to input or suggestions and welcome anyone who would be interested in participating in programming or in the various committees of the Division.

## Division Awards Update

By Todd Anderson, Awards Chair

The Environmental Chemistry Division of the American Chemical Society annually offers two competitive graduate student awards. Both awards are designed to encourage and reward outstanding graduate students working towards degrees in environmental chemistry and engineering.

The first award is entitled the *Environmental Chemistry Graduate Student Award*. This award recognizes graduate students who are working in areas related to environmental chemistry. The award is based on student transcripts and record of research productivity, a brief discussion of their future goals, and a letter of recommendation from the faculty advisor. The awardees receive a one year subscription to *Environmental Science and Technology* and membership in the Environmental Division for one year. The awardees are publicized in *EnvirofACS* (see page 9) and *Environmental Science and Technology*. Up to 25 awards are given each year.

The second award is entitled the *Graduate Student Paper Award*. This award is presented to graduate students who submit the highest quality research papers. The research paper must be relevant to environmental chemistry, the student must be the first and major author, and the work must have been done while attending the student's current institution. This is a highly competitive award and the submitted papers are reviewed by the Student Awards Committee. The format to be followed is that of *Environmental Science and Technology*, except that the paper should be limited to 18 pages total, including figures and references. Each participant must also submit an ACS abstract of the paper. Award winners present their papers at the Fall American Chemical Society Meeting. They also receive a \$500 cash award at the Environmental Division Dinner. Up to 5 awards are granted each year. The Graduate Student Paper Award represents the highest award given to graduate students by the Division of Environmental Chemistry.

More details on both awards can be obtained by contacting Todd Anderson (Chair, Student Awards Committee) at [todd.anderson@ttu.edu](mailto:todd.anderson@ttu.edu). Additional contact information: Todd Anderson, Ph.D. The Institute of Environmental and Human Health, Texas Tech University, Box 41163, Lubbock, TX 79409-1163, <http://www.tiehh.ttu.edu/tanderson/>.

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## Thanks to the Sponsors of the Morgan Symposium

The Division expresses its gratitude to sponsors for their generous contributions in support of the Morgan Symposium, *Chemical Speciation and Reactivity in Water Chemistry and Water Technology*. This symposium was held at the 220th ACS National Meeting in Washington, DC and sponsors included: Montgomery-Watson, California Air Resources Board (CARB), ACS Environmental Chemistry Division, Association of Environmental Engineering & Science Professors (AEESP), John Wiley & Sons.

## EPA GRANT WILL FUND MONITORING OF GREAT LAKES' WETLANDS

U.S. Environmental Protection Agency's (EPA) Great Lakes National Program Office recently has awarded \$400,000 to the Great Lakes Commission, Ann Arbor, MI, to support a joint U.S. and Canadian project that will monitor the size and ecological health of Great Lakes coastal wetlands. About 15 participating government and non-government organizations provided an additional \$200,000 to the project.

A group of scientists will lead the project, monitoring, interpreting, and distributing data about the wetlands. The information gathered will be entered into a database that will be available to the public.

"We know that Great Lakes coastal wetlands are a valuable resource," said Gary V. Gulezian, EPA Great Lakes National Program Director. "But until now, we have had no system to determine whether these wetlands are being lost or degraded."

Great Lakes coastal wetlands are important because they keep the lakes clean by filtering pollutants, provide habitat for large numbers of birds and animals, facilitate fish spawning, and provide staging and feeding areas for migratory birds. Some Great Lakes wetlands support the growing of wild rice. Several types of wetlands exist around the lakes including Kakagon Sloughs near Lake Superior, wet prairie and sedge meadows around western Green Bay on Lake Michigan, and extensive coastal marshes around Lake Huron's Saginaw Bay.

This information was provided in an e-mail by the EnviroList Moderator at [EnviroList@enviroone.com](mailto:EnviroList@enviroone.com). For additional information see the web site of EnviroOne on the Internet at <http://www.EnviroOne.com>

### Archive Information Needed!

#### 1967 and Earlier. Also, Volumes 1-9 of the Division of Environmental Chemistry Preprints.

By Ruth Hathaway, Division Business Office

If you have any of these old materials that you would be willing to donate to the Division's archives please contact Ruth Hathaway first before sending them so we can avoid receiving duplicate information. Contact Ruth Hathaway, ACS Division of Environmental Chemistry, Hathaway Consulting, 1810 Georgia St, Cape Girardeau MO 63701-3816.

Phone: 573-334-3827; Fax: 573-334-2551  
E-mail [scifair@semovm.semo.edu](mailto:scifair@semovm.semo.edu)  
[hathaway\\_consulting@hotmail.com](mailto:hathaway_consulting@hotmail.com)

## Free

### Environmental Fate Database

By Philip H. Howard

The free web version of the Environmental Fate Data Base has just been updated with over 600 new chemicals and over 550 new references. This database (<http://esc.syrres.com/efdb.htm>) covers physical properties, environmental degradation and transport studies, and ambient, effluent, food, and occupational monitoring data on over 16,500 chemicals and 35,000 references.

For more information, please contact Dr. Philip Howard, Director of the Environmental Science Center, Syracuse Research Corporation, 6225 Running Ridge Rd., North Syracuse, NY 13212. Phone: 315-452-8417; Fax: 315-452-8440; Email: [howardp@syrres.com](mailto:howardp@syrres.com).

## New

### Association of Chemistry and the Environment

By Eric Lichtfouse

I am pleased to announce the foundation of the Association of Chemistry and the Environment. The 2000 membership fee is 15 Euros. So just skip 15 double-cheese burgers and get a chance to enjoy sound science and good food at our meetings in France !! For more information please contact Dr. Lichtfouse at [Eric.Lichtfouse@ENSAIA.INPL-NANCY.FR](mailto:Eric.Lichtfouse@ENSAIA.INPL-NANCY.FR); and view the web site at <http://www.u-bourgogne.fr/ACE>.

Note: the Division of Environmental Chemistry has made a link from our web site to the web site of the Association of Chemistry and the Environment as a courtesy to the new organization and as a convenience to our members.

### Joint International Conferences on Chemistry

The Cuban Chemical Society and the University of the West Indies are organizing the IV International Congress on Chemistry and XIII Caribbean Conference on Chemistry and Chemical Engineering to be held April 16 - 20, 2001, at the Havana International Conference Center. The aim of the Congress will be to divulge and discuss, in a wide cultural and social atmosphere, recent scientific, industrial and teaching advances in all fields of chemistry through Plenary and Master Lectures, Oral Presentations, Round Tables and Posters exhibition. Congress official languages will be Spanish and English and simultaneous translation will be provided. Nine scientific sessions, four parallel symposia and a workshop have been scheduled. No Internet site was provided but additional information may be obtained from Alicia García, Palacio de Convenciones, Fax: (537) 28-7996/28-3470/22-8382. E-mail: [aliciag@palco.get.cma.net](mailto:aliciag@palco.get.cma.net).

## CALL FOR PARTICIPANTS

The 7th International Interdisciplinary Conference on the Environment will be held in San Francisco, California, USA, July 2-4, 2001. You may participate as session organizer, presenter of one or two papers, chair, moderator, discussant, or observer. The early deadline for abstract submission and participation is April 15, 2001. All papers will pass a peer review process for publication consideration in the Conference Proceedings. For more information, please contact Kevin L. Hickey or Demetri Kantarelis through Regular Mail: IEA/Hickey-Kantarelis, Assumption College, 500 Salisbury Street, Worcester, MA 01609-1296, USA. Contact information: Tel: (508) 767-7296 (Hickey), (508) 767-7557 (Kantarelis) Fax: (508) 767-7382. <http://www.desu.edu/mreiter/iea.htm>. E-mail: (Hickey) [khickey@assumption.edu](mailto:khickey@assumption.edu) or E-mail (Kantarelis) [dkantar@assumption.edu](mailto:dkantar@assumption.edu)

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## WTQA 2001 Call for Papers

WTQA 2001 will be held at the Crystal City Gateway hotel in Arlington, VA from August 12 through 16, 2001. Special sessions will include EPA Data and Information Quality Improvements sessions, New Field Technologies sessions, Data Quality and Validation under PBMS, Department of Defense (DoD) Environmental Analysis sessions, and Air Source Emissions Measurements and Monitoring sessions. In addition NIST also hold the first annual NIST PT meeting, a working meeting for labs and vendors, on August 16<sup>th</sup>. DoD and EPA will also hold special working meetings during this conference. Please visit the web site after February 1, 2001 to obtain deadlines and details for submitting abstracts. The web site address is [www.wpi.org/wtqa](http://www.wpi.org/wtqa).

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## Tri-Service Environmental Technology Symposium Call for Papers

The U.S. Army Environmental Center is hosting the Fourth Tri-Service Environmental Technology Symposium to be held in San Diego, June 18-20, 2001.

The central theme, "Environmental Technology: Support the Mission, Sustain the Environment," symbolizes the military's continued emphasis on protecting resources, while maintaining readiness, supporting military operations, installation management, and material development.

Abstracts are being accepted until February 23, 2001 that address mature technologies that are either "field ready" or currently being demonstrated, or have been demonstrated and are ready to be fielded to the broader community. For more information on the Tri-Service Environmental Technology Symposium call for papers, registration, or general information, visit [www.ets-2001.com](http://www.ets-2001.com), or [www.aec.army.mil](http://www.aec.army.mil) or contact Ms. Jean Thomas at (757)-357-4011.

## EnviroOne Listserv

By Mark Nastasi at EnviroOne

EnviroOne invites you to join for free the discussion in one or more of several discussion groups centered around a cleaner environment for each medium. The discussion groups include:

EnviroAir - a listserv on acid rain, air quality standards, emission testing, asbestos, global warming, and more. [www.enviroone.com/envsearch/EnviroAir.asp](http://www.enviroone.com/envsearch/EnviroAir.asp).

EnviroBrownfield - a listserv on tax incentive zones, new/emerging brownfield tools, brownfields funding, and more. [www.enviroone.com/envsearch/EnviroBrownfield.asp](http://www.enviroone.com/envsearch/EnviroBrownfield.asp).

EnviroEducation - a listserv on kids environmental activities, distance learning, financial assistance, sustainability, and more. [www.enviroone.com/envsearch/EnviroEducation.asp](http://www.enviroone.com/envsearch/EnviroEducation.asp).

EnviroList - a listserv on current postings of new jobs, grants, scholarships, fellowships, RFPs, and more. [www.enviroone.com/envsearch/EnviroList.asp](http://www.enviroone.com/envsearch/EnviroList.asp).

EnviroMNA - a listserv on natural attenuation including protocols, the latest on biotic/abiotic processes, innovative monitoring technologies, and more. [www.enviroone.com/envsearch/EnviroMNA.asp](http://www.enviroone.com/envsearch/EnviroMNA.asp).

EnviroSoftware - a listserv that includes the topics of every software with environmental implications such as geotechnical, risk assessment, natural attenuation, groundwater, vadose zone, soil screening, and more. [www.enviroone.com/envsearch/EnviroSoftware.asp](http://www.enviroone.com/envsearch/EnviroSoftware.asp).

EnviroSoils - a listserv on soil geochemistry, soil fertility, soil cleanup, soils from mine spoils, contaminated sediments, soil erosion, and more. [www.enviroone.com/envsearch/EnviroSoils.asp](http://www.enviroone.com/envsearch/EnviroSoils.asp).

EnviroWater - a listserv on water resources, groundwater, surface water, drinking water, marine pollution, MtBE additive, non-point sources, and more. [www.enviroone.com/envsearch/EnviroWater.asp](http://www.enviroone.com/envsearch/EnviroWater.asp).

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## An EnviroFACT

Division Membership Numbers  
as of November 1, 2000

Category	Paid	Unpaid
Affiliates	155	31
Students	482	46
Members	4,564	398
Library	45	0
Total	5,201	475

**Grand Total: 5,676**

## EnvirofACS On-line

By Larry Keith

As mentioned earlier, this is the last printed edition of *EnvirofACS*. We'll start the new millenium (remember, it begins in 2001, not the year 2000) with new technology, shedding the old printed paper editions and initiating the new electronic editions. *EnvirofACS On-line* will be a merging of the present web site of the Division and *EnvirofACS*. We'll do away with the old web site address and the new combined web site address will be at [www.EnvirofACS.org](http://www.EnvirofACS.org). We registered this domain name last September in preparation for the move. This simpler address should also be easier for everyone to remember than the old web site at [www.enviro-chem.duq.edu](http://www.enviro-chem.duq.edu) although that one served us well for four years.

Now that electronic publications are finally a reality it is especially gratifying to me to see it all coming to pass. In 1986 I founded Instant Reference Sources, Inc. dedicated to electronic publications. That year we registered what the U.S. Library of Congress told us may be the world's first electronic book (we had to bundle ZenWord - a word processor with search capabilities and macros - with the ASCII text in order to provide a way for people to search and read our publications). At a national ACS meeting a few years later I presented a paper on the benefits of electronic books but it was, of course, ignored then. Now, as publishers rush to introduce new electronic books and e-news magazines we'll join them with an online version of *EnvirofACS*.

We expect the benefits to be many. Currently, only members of the Division of Environmental Chemistry get *EnvirofACS*. When we move it to the internet then everyone will have access to it all the time. So, it will change from being a member only service to a world wide publication. If it is good and provides useful information then it will also serve as an advertisement to other chemists and engineers who may wish to consider joining the Division of Environmental Chemistry.

Another benefit of the new format will be hyperlinks that will take you directly to the referenced information in various articles. You'll be able to click on the hyperlink and go to other web sites or to send emails immediately to the addresses of interest. Also, we'll be able to update it more frequently.

And, we'll be able to add some new services such as classified advertisements. **We'll start the new issue with free classified advertisements.** So, if you are seeking a job, or seeking to hire environmental chemists, just send an e-mail with the advertisement. Or, if you are a publisher and have some new books coming out, send an email with an ad that describes them and include a hyperlink to your web site. If you are a consultant, an instrument manufacturer, or a company that provides analytical reference materials or other products of use to environmental chemists, then just send us an ad with a description, hyperlink to your web site, and, if desired, an e-mail address and we'll publish it at no cost to you in the first edition.

We'll notify you by snail mail when the summer edition is live on the internet. We think you'll like it and we hope that you'll find it useful enough to book mark it and check it at least once a quarter.

### How to Send Free Classified Ads to *EnvirofACS* On-line

**Format:** Please limit your advertisement to about 50 words (if you send in 52 or 55 words we'll bend the rules for you but 75 is over the limit).

**General Guidelines** - include web site and e-mail addresses so you can receive direct contacts from readers.

**Where to Send Your Free Classified Ad** - Send the advertisement as part of the text of an e-mail to Instant Reference Sources, Inc. at [instantref@mediaone.net](mailto:instantref@mediaone.net) and we'll cut and paste it into the summer issue of *EnvirofACS* On-line.

### Topic Areas

**Seeking Jobs** - include a description of your objectives and skills.

**Employment Opportunities** - include a description of job requirements and educational levels.

**Products** - include descriptions and, if desired, prices or other relevant information. Products may include instruments, books and other publications, chemicals, analytical reference materials, short courses, insurance, etc.

**Services** - include descriptions of the services offered. Examples may include consulting, expert witnesses, data quality audits, laboratory analyses, data base preparation, etc.

**Conferences and Meetings** - include where, when, what and where to obtain more information.

**Other Topics Not Mentioned Here** - let us know if we've left out a topic area of interest to you and our other readers.

**News Articles** - *No Charge Ever*. Continue to send them to me at my [instantref@mediaone.net](mailto:instantref@mediaone.net) e-mail address.

### Five Free Online Databases from Syracuse Research Corporation

Five databases of potential interest to *EnvirofACS* readers are available for free online from the Syracuse Research Corporation (SRC) a not-for-profit research and development firm. They include:

1. Compilation of Ozone Depletion Potentials and Global Warming Potentials at <http://esc.syrres.com/ozone.asp>
2. Toxic Substances Control Act Test Submissions (TSCATS) Search at <http://esc.syrres.com/efdb/TSCATS.htm>
3. Logkow Program at <http://esc.syrres.com/interkow/logkow.htm>
4. The Environmental Fate Database at <http://esc.syrres.com/efdb.htm>
5. The Physical Properties Database (Physprop) at <http://esc.syrres.com/interkow/PhysProp.htm>

**SEDEnet - New Web Site for Remediation Information**

By Mike Cullen

The EPA's Office of Emergency and Remedial Response, Information Management Center (OERR/IMC) has developed a central online resource for state environmental and site remediation personnel to access EPA information through the State Environmental Data Exchange Strategy Network (SEDEnet). SEDEnet is designed to facilitate federal and state partners sharing of information regarding nationwide cleanup and site remediation programs across regulatory boundaries.

Portions of SEDEnet are available only to state partners, namely the State CERCLIS Query, the SEDES Tool Kit, Data Harvesting, and EnviroMapper for SEDEnet. Partners have been provided the necessary information to gain access to the sections of SEDEnet that are dedicated to them. Another portion of the Web site has been dedicated to the EQuIS User Group. This section includes an introduction to the User Group, a method for joining the User Group, links to Frequently Asked Questions, and an online Discussion Forum. The Discussion Forum is a bulletin board where participants can post messages regarding various EQuIS components and issues. It differs from an e-mail list serv in that you would need to visit the Discussion Forum to read and respond to comments from User Group participants. (Note: when you post a message, you are given the option of being notified by the Discussion Forum when another participant replies to your message.) Anyone may browse the messages that have been posted, but to post a message, participants must register. Visit the EQuIS User Group portion of SEDEnet at [www.sedenet.org/EQuIS/eqsindex.htm](http://www.sedenet.org/EQuIS/eqsindex.htm).

**WaterForum - New Web Site for Water Resources**

By Ken Bannister, WaterForum Moderator

*WaterForum* is a free and open forum for discussion of surface water and groundwater resources issues; including drinking water, water conservation, environmental chemistry, wetlands, wastewater, irrigation, recreational use, fisheries and wildlife use, aquaculture, coastal studies, oceanography, environmental and public health issues, contamination/remediation, computer modelling, climatology, hydropower, and any other relevant water resources topics. The list is moderated by Ken Bannister, founder of *Groundwater-Digest*, currently the world's largest groundwater discussion forum.

*WaterForum* seeks to broaden the discussions held on *Groundwater-Digest* to include other areas of interest in the water resources field. A broad range of members from academia, industry, government, and the general public, as well as wide ranging geographic diversity will provide for an interesting and helpful forum. Your membership is valued and your input is welcomed.

If you are not already a member, please consider joining the over 3400 subscribers of *WaterForum* today! To join, simply send a blank e-mail to [waterforum-subscribe@egroups.com](mailto:waterforum-subscribe@egroups.com) or e-mail Ken Bannister at [kenbannister@waterdowers.com](mailto:kenbannister@waterdowers.com) with a request to join *WaterForum*. You may also obtain more information at <http://www.egroups.com/group/waterforum>.

**SenTIX - New Web Site for Sensor Technology Information**

By Larry Keith

Rapid advances are currently being made in diverse but related sensor technology fields such as chemical analyses, geophysical sensing, and information management. The potential exists to apply these sensor technologies in the environmental field for hazardous waste cleanup, as well as in other fields.

A new web site, the *Sensor Technology Information Exchange* (SenTIX), located at [www.sentix.org](http://www.sentix.org), meets a need to provide a central site that focuses on integrating these new tools into other systems and programs. SenTIX is designed to enhance communication among all segments of the sensor and instrumentation industries so that information about recent technological advances are available for review and application by developers, vendors, and users in the hazardous waste cleanup field as well as other sensor fields.

SenTIX contains a sensor information database with publicly-accessible submit and search functions. It also contains a discussion forum. The database and discussion forum will assist in "match making" among sensor developers, vendors, and users. In addition, SenTIX contains calendar of events, news, and links pages that visitors to the site can browse or submit information to. These features will help members of the sensor community fulfill several important needs:

- Identify developers and vendors who have an existing sensor, are currently developing a sensor, or are willing to develop a sensor that will meet a user's specific needs.
- Locate information on how to obtain funding for new sensor development.
- Find current events of interest to the sensor community and keep up with important sensor-related news items.
- Maintain awareness of government program needs and research and funding opportunities.
- Link to other available sources of information.

SenTIX is funded through a cooperative agreement between WPI, a not-for-profit corporation affiliated with Virginia Polytechnic Institute and State University, and the Technology Innovation Office of the U.S. Environmental Protection Agency.

**New EPA Global Change Web Site**

A new web site for EPA's Global Change Research Program is [www.epa.gov/globalresearch](http://www.epa.gov/globalresearch). Through this web site, the public can access: data, documents, project descriptions and updates, workshop announcements and proceedings, presentations, and analytic tools.

The site uses the Environmental Information Management System (EIMS), which allows scientists working inside and outside the agency to directly enter meta data descriptions of their own data sets and research findings. For more information please contact Joel D. Scheraga, Ph.D., National Program Director, Global Change Research Program Office of Research and Development, U.S. Environmental Protection Agency; Phone: (202) 564-3385; Fax: (202) 565-0066.

## 2001 Environmental Chemistry Graduate Student Award Winners

Student	Institution	Advisor
Dionysios Dionysiou	University of Cincinnati	Makram Suidan
Ed Scollon	Texas Tech University	George Cobb
Anne-Marie Compton	University of Northern Arizona	Richard Foust
Mike McCormick	University of Michigan	Peter Adriaens
Derek Peak	University of Delaware	Donald Sparks
Alexandra Stenson	Florida State University	William Cooper
Mazyar Zeinali	University of Maryland	Alba Torrents
Jim Chen	Yale University	Menachem Elimelech
Amy Dahl	Northwestern University	Jean-Francois Gaillard
Ryan James	Indiana University	Ron Hites
Ted Kuplinski	Ohio State University	Yu-Ping Chin
Jill Kostel	Northwestern University	Kimberly Gray
T. Michael Keinath	University of Michigan	Walter Weber
James Nurmi	Oregon Graduate Institute	Paul Tratnyek
Jason Lynch	University of Florida	Joseph Delfino
Kim Hageman	Oregon State University	Jennifer Field
Aaron Peck	University of Iowa	Keri Hornbuckle
Thomas Jabusch	University of Minnesota	Deborah Swackhamer
James Morris	Boston College	Paul Davidovits
Karlin Danielsen	University of Michigan	Kim Hayes
Juel Gibbons	University of Missouri-Rolla	Joel Burken

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