

SEAC *communications*

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President's Message

The privilege of service

There has been, in certain circles, considerable attention paid to a recent biography of **John Adams**, our second president (of the U.S.). I am an Adams fan. Through reading biographies of him, and especially through his letters to and from his wife, Abigail, and his colleague, friend, political foe, and fellow philosopher, Thomas Jefferson, one sees a remarkable man. He was born in New England south of Boston in about 1730, and educated at Harvard before rising to prominence through his clear and consistent views on the proper relationship between England and the colonies. Coincidentally, he was very familiar with **Joseph Priestley**, the philosopher. I don't suppose that he read Priestley on electricity or chemistry. John Adams was happiest at home, on his small farm with Abigail. However, for years at a time in Europe, and months at a time in Philadelphia and briefly in Washington, he was away from home, doing his job to which he was attached by a strong sense of duty.

As I step aside from this role in SEAC, and welcome El Prez **Mark Meyerhoff** to center stage, I am grateful beyond words to the many people who have worked on important SEAC matters while I have been President. It takes a deeply felt understanding of the importance of service to one's community to motivate people to spend the time that they do on matters that have no conceivable personal benefit.

At the risk of leaving deserving electrochemists out of my list of dedicated people, I am going to name a few in particular who have striven to move SEAC forward, who have helped us to come closer to assuring permanence for the Reilley Award. May I first thank **Debra Rolison**, who has been the editor of the Newsletter for many years now. She has overseen the journal's conversion to a web-resident periodical. She has also kept the schedule of publication alive and has managed to secure interesting and amusing tales.

Speaking of the web, **Sam Kounaves** is the engineer behind the marvelous appearance, logical layout, and overall accessibility of our

Newsletter. He always has time for SEAC, and we should all thank him for that thoughtfulness. He is responsible for taking the next big step—the creation of a way to make payments to SEAC through the web. Speaking of money, the Treasurer is SEAC veteran **Joe Maloy**. He has worked with Sam to get the right software in place that allows us to take care of money online without a large fee, and without a lot of personal attention being paid to the details of the transactions. I would last like to thank a couple of old-timers who have guided me, namely former El Prez **Mark Wightman** and former Sec. **Andy Ewing**. Without the substantial efforts of these folks, SEAC would become invisible and insolvent. Thank you all.

Let us keep in mind where we are going. SEAC represents a community that is critical to many future advances in science. From nanotubes to microelectrodes, from oxygen to IgG, from Poisson-Boltzmann to Nernst-Planck to Fick and Levich, from electrode kinetics to electrokinetics, we are in the thick of the miracle of modern medicine, and perpetrators of the dream of the incredible shrinking laboratory. Our job in SEAC is simple: Make certain that the world understands that fundamental contributions to how electrochemistry works improve people's lives. We do that through the Reilley Award and the Reilley Award Symposium. It is a worthy mission. I hope that you find at some point in your career the time to enjoy, like so many others have enjoyed, the privilege of service.

Good luck, Mark. Thank you to everyone who contributed to SEAC's growth and recent successes.

[Steve Weber](#) logging off.
sweber@imap.pitt.edu

Editorial

Many of you saw news coverage of **Donna Nelson's** recent survey showing that the chemistry departments in the top 50 research universities have no, none, nada, zip, zero African-Americans at the Assistant Professor level [see: *Science*, 18 May 2001, 1291-1292]. In light of that shocking finding, I was recently asked by a Past-President of the American Chemical Society for my opinions with respect to what the ACS has been and is now doing on issues of diversification—I also interpreted that to mean, by implication, my opinions on what the ACS can do in the future.

... I took him up on his offer...

After reminding this ACS Past-President that filling the pipeline (with women or underrepresented minorities) is only a necessary, not a sufficient condition in the effort to improve diversity in chemistry, I focused my letter on some strategies that the ACS could ponder, explore, and implement. Excerpts from my letter are appended below, for SEAC's perusal and comment.

—We already have a robust population of women who have persisted to the Ph.D. and have done their job to fill that pipeline (with more than 33% of Ph.D.s in chemistry now going to women). As we already know, that far-better-filled pipeline did not and has not magically solved the problems that women face in science. Would that it had. It is naive to expect that filling the pipeline full of non-white Ph.D.s will solve the problems they, too, face to establish careers commensurate with their abilities.

What can the ACS do to affect change more effectively?

Let me be blunt: if the traditional ways and means have not solved and are not solving the problems, or mitigating the very real barriers standing in the way of fully integrating underrepresented minorities into the chemical sciences, then just doing more of the same will not do so either.

The status quo must shift and the ACS governing powers need to address whether they project a reluctance to lead the Society in that effort. Conservative, incremental steps are not the answer: bold actions are. Is the ACS part of the solution or (to wax chemical) part of the precipitate?

One of the attributes of precipitates is that they are all too easy to discard as solid waste. The

ACS Board of Directors may need to recognize that many efforts by individuals and groups are being made external to the ACS so that bolder steps can be taken. Certainly many of my recent arguments (such as suggesting that all Federal funds be withheld from those universities that cannot create departmental environments in which women are willing to work) are bolder than those with which the ACS seems comfortable.

Again, to be blunt: How will effective solutions be found if the people most familiar with the problems and most vocal are omitted from the groups formulating solutions?

The real issues have to do with respect for the accomplishments and abilities of women and underrepresented minorities and providing them with sufficient acknowledgment, challenges, opportunities, reward, and power.

The goal must be for women and underrepresented minorities not just to survive within their professional environment (and profession), but THRIVE. I do not see many examples of that throughout the institutions in which our members work. The profile of women within the realms where the ACS recognizes distinction remains less prominent than it should. And ACS distinctions (invited talks at ACS symposia, ACS research awards, appointment to advisory/editorial boards or as editors of ACS journals, invited feature articles, organizers of ACS symposia, etc.) confer on the women so acknowledged an accumulation of advantage, respect, and power that enhances their careers.

So, let me reiterate points I made in my talk to and manuscript for the Chemical Sciences Roundtable Workshop last May on (the *lack* of advancement of) *Women in the Chemical Workforce*:

<http://www.nap.edu/books/030907293X/html>

To change a standing institution (or a biased society), one historically relies on:

(1) **demolition**: raze it to the ground and start over (see the French Revolution);

(2) **coercion**: withholding Federal / research / grant funds to departments/universities that are not hiring talent commensurate with the candidate pool is out-and-out coercion. It is also a powerful, compelling driving force for change—it makes passivity on the part of faculty, departments, and universities very costly (see the loss of biomedical funds when human studies violations occur at universities followed by immediate correction of the cited problems by the institution);

(3) **change the reward structure** (see human nature).

I cannot see the ACS countenancing Solution #1. But they have the means—and money—to implement actions that blend Solutions #2 and #3. Does the ACS and its governing bodies have the political will??

Some suggestions in areas in which the ACS can take direct action:

(1) **Create an ACS equivalent to Title IX:** Award PRF (Petroleum Research Fund) grants to faculty at those universities and colleges where departmental environments have been established that have attracted women above the historical brick wall of 10%. Do not send PRF monies to faculty at those institutions that have not—or will not (with the exception of new female or minority faculty receiving Type G awards at barely diversified departments).

(2) **Do diversity audits of chemical sciences departments**—if the APS can do so for physics departments, the ACS should be able to manage it. Be willing to advertise: highlight and praise through Society publications and websites the departments that are creating environments appealing to women and minorities. Encourage undergraduates to give these institutions their first attention when looking at graduate school. One could “out” the departments that choose the status quo over a faculty that reflects the diversity of the Ph.D. talent trained in the chemical sciences, but if such departments are not being included in the list of praised departments, the message comes across in a less aggressive, but still clear fashion. See how Georgia Tech is publicizing the outcome of the diversity audit recently mandated there [<http://www.eodp.gatech.edu/> (link to "State of the Institute Diversity Update")].

(3) **Create a new guideline for ACS awards:** If women are not among the nominees under consideration for an ACS award, the award simply is not bestowed AT ALL that year in recognition of the fact that the Awards committee was not presented with a comprehensive, unbiased slate. Under such circumstances, to uphold the honor and prestige of the award, no award should be given. Note: The women are there and are doing research commensurate with recognition by an ACS award. However, we do seem to be invisible. The stipulation above is a remedy for passivity: it makes the visibility and recognition of excellent female chemists imperative and of importance, for selfish reasons, to many who otherwise would not be concerned. Look at the statistics

for the total stable of 2002 ACS awards and see how many have no nominations for women—and women will have been worthy of being nominated. Period. If women are not present on the slate of nominees for each award, then admit that the standard operating procedures of the ACS for nominations, such as using the canvassing committees or the Women Chemists Committee, can now be seen as a tradition (a status quo) that is not working. Change it.

(4) **Require all ACS Awards committees to confer (e.g., by conference call) to discuss the candidates.** Abandon the anonymous vote & ranking procedure currently used. Too many women and men can give personal examples of unwarrantedly overlooked candidates coming to the forefront for consideration when one or a few members of a panel present them for discussion and make the case for their consideration for an award or a position. Too often these candidates are women or minorities. The anonymity of the ACS Awards committees can serve to cloak a multitude of sins: diversification of gender, race, and expertise on the Awards committees needs to be advertised to the members and can be done without providing specific who-on-which-committee-this-year information.

(5) **Educate our members in the studies and findings described by Virginia Valian in her book *Why So Slow***—study after study after study demonstrates that as a society we (men and women) overvalue the competence, stature, and productivity of men and undervalue that of women. Scientists are human beings (well... I think most of us are), so we can and will do the same, unless we change our myth of objective evaluation and create criteria for hiring, for promotion, for awards that step beyond those customarily used, which can be compromised by our subjective (and frequently unconscious) biases.

(6) **Incorporate some of the more recent findings discussed at the end of *Athena Unbound*** by Etzkowitz, Kemelgor, and Uzzi, which show that departmental reform that takes into account the needs of female scientists (and which ultimately improves the environment for male and female faculty—and students) requires active support by the senior faculty—not just lip service, dismissal, or jawboning by them. Those most highly rewarded within their departments and universities and by the ACS (i.e., the white male full/chaired professors) can no longer stand idly by: the onus is on them to implement and sustain the programs that change the departmental environment. The ACS needs to remind them of that. ACS-issued departmental report cards may not be out of line...

(7) **Use the ACS imprimatur to put to rest the myth that a scientist's best creativity and productivity occurs in early career**—Etzkowitz *et al.* discuss the fact that there are no data to support that myth and therefore the tenure clock is an artifice and one that has been especially damaging to young women trying to integrate career and family. **Shirley Tilghman**, Princeton's new President, thinks tenure should be abolished because of its pernicious affect on women in science. I agree with her. Get on her bandwagon and work with her and with the universities to develop means to ensure academic freedom (and job security for satisfactory job performance) for faculty once tenure is abolished.

Let me conclude with a challenge: Our universities and laboratories and professional societies have got to get out of this lily-white male universe if we want to stay at the forefront of science—a leader (as opposed to a (run-of-the-mill) manager) would not stand still for less for his institution or Society (her institution? alas, there are still too few examples of that...)—

... Comments from the SEAC community on my latest gentle diatribe are welcome.

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rolison@nrl.navy.mil

A Surfin' SEAC update from SEAC's Webmeister

Jobs, books, and more to come, on the SEAC website!

If you have visited the SEAC website recently you've noticed that we have added several new features. These features are part of an ongoing effort to identify what on-line services would benefit the SEAC community. The major additions in the past six months have included an *Employment Opportunities* board, a *Book Store*, and a *Discussion Group*. During the coming months we plan to add an *On-line Membership Application & Dues Payment* page, a members-only *Membership Directory*, and a self-subscribe/unsubscribe email list.

The SEAC employment board was initiated in January (<http://seac.tufts.edu/employment.html>) and has been very successful. There have been about 35 listings for a variety of openings in electroanalytically related areas, though several postings in general chemistry have also appeared. Feedback from several posters has

been very positive and they have reported that a large number of applicants saw their position on the SEAC board. One thing that several SEAC'ers have done when they get email asking if there are any openings at their institutions, is to reply and direct the inquiries to the website. We are also considering sending these opportunities via email to subscribed members.

The *SEAC Book Store* was added in May (<http://chem.tufts.edu/seac/books.htm>) and has the potential to provide both a service to the members and extra income for SEAC. Through the *Amazon.com Associates* referral program, SEAC will receive 15% off the price for any purchase of a book made through the SEAC link to that book. A comparison of *Amazon.com* with other vendors (including ECS) has shown that *Amazon.com* prices for electrochemically related books are lower in most cases. So, if you haven't yet bought your copy of the latest version of Bard & Faulkner [[Bard&Faulkner, \(http://www.amazon.com/exec/obidos/ASIN/0471043729//societyforele-20\)](http://www.amazon.com/exec/obidos/ASIN/0471043729//societyforele-20)] try it! This is a great way to save money and help support SEAC. If you don't see something you want or don't see something you everyone should read, let me know and we will added it to the Book Store.

Last month we also added an [ON-LINE MSN DISCUSSION GROUP](#) link. This group came as part of the email subscription feature we will be implementing later this year, so we thought we would make it available to the members. So far it has only two members, but this is the first announcement of its existence. The [ECS Discussion Group](#), established in 1997, appears to have had only limited usage (2 postings in 1997, 41 in 1998, 13 in 1999, 12 in 2000, and 4 so far this year). However, since it costs nothing and if you do post, someone may eventually answer your question, it will be continued as an "experiment".

The major effort this summer will be to implement the on-line membership dues payment functionality. Joe Maloy and I have looked into several on-line direct payment systems including [PayPal](#), [Charge.com](#), [VeriSign](#) and [Electronic Transfer Inc.](#) Charge.com appears to be the best all around service, providing payment through several credit cards with good security and low cost. Making it easy to join and pay membership fees will hopefully promote increased membership and membership services.

[Sam Kounaves](mailto:skounave@tufts.edu)
skounave@tufts.edu

All Hail Christian Amatore—the 2002 Charles N. Reilley Awardee—and Andrew Hillier—SEAC’s Young Investigator!



Congratulations to *Christian Amatore*, Directeur de Recherche at the École Normale Supérieure (ÉNS), Paris, who is the recipient of SEAC’s 2002 Reilley Award. He will receive the award at PITTCON®2002 in New Orleans next March. Christian Amatore studied at ÉNS and obtained his Doctorat d’État des Sciences (equivalent to a Ph.D and Habilitation) in 1979 under the guidance of **Jean-Michel Savéant**. Subsequently he was a Visiting Assistant Professor at Indiana University, Bloomington, where he worked with **Jay K. Kochi**. In 1984 he was appointed "Directeur de Recherche" (equivalent to Full Professor) by CNRS and created his own research group at ÉNS. He is now Director of the Département de Chimie at École Normale Supérieure, a position formerly held by **Louis Pasteur**. He was elected to the French Academy of Sciences in 1996 and has been the recipient of several scientific prizes including the Silver Award of CNRS. He is a member of the Advisory Boards of several international scientific journals and is

currently editor of the *Journal of Electroanalytical Chemistry*. Amatore is an outstanding lecturer and has given seminars at over 200 universities and industrial locations.

Christian Amatore has contributed to a number of different areas of electroanalytical chemistry. His research is described in over 200 scientific papers. Two features that are common throughout his research are his innovative way of approaching problems and his attention to detail. Christian has made particularly important contributions in the theoretical aspects of electrochemistry, both concerning dynamic chemical processes at electrodes and the electrical and mass transport consequences of electrochemistry under extreme conditions. He was an early pioneer in the development of ultramicroelectrodes. He is an expert in electron-transfer activation in organic synthetic methods, and he has made important experimental contributions in bioanalytical chemistry and organometallic catalytic systems.

Andrew Hillier, of Mr. Jefferson’s University, is the 2002 Young Investigator of SEAC. Andy received his B.S. in chemical engineering from the University of Nebraska in 1990 and a Ph.D. in chemical engineering from the University of Minnesota in 1995. While in Minnesota, Hillier worked under the direction of **Michael D. Ward**. His Ph.D. research focused on the electrocrystallization of conducting organic films in an effort to understand solid-state-directed modes of crystal growth and the role of epitaxy in the formation of organic thin films on crystalline surfaces. Hillier then joined the research group of **Allen J. Bard** at the University of Texas as a Postdoctoral Associate. His work at Texas involved using atomic force microscopy (AFM) to study double-layer forces at metal and metal-oxide electrodes, image electrochemically-induced crystal dissolution, and to develop a thermally driven non-contact AFM imaging technique.



Hillier joined the Department of Chemical Engineering at the University of Virginia as an assistant professor in 1996 where his research has focused on the development of electrochemically switchable

membrane materials; the characterization of surface forces, friction, and adhesion at metal and polymer interfaces; and the development of chemical imaging methods combined with gradient sample techniques for the discovery and characterization of electrooxidation catalysts. As a faculty member, Hillier has received awards that include the Camille and Henry Dreyfus New Faculty Award (1996), Molecular Imaging's Scanning Probe Microscopist Award (1997), a National Science Foundation CAREER Award (1999) and an Office of Naval Research Young Investigator Award (2000).

—We are back at Party-Central—New Orleans—for PITTCON®2002 (17-22 March 2002)—Be There!
For more on Christian, check out: <http://www.chem.unc.edu/faculty/rpb/cfrpb01.html>; for Andy: <http://www.chimie.ens.fr/> ... and to check out PITTCON®2002: <http://www.pittcon.org>—

REILLEY AWARDEES

1984	Allen J. Bard <i>University of Texas</i>	1993	Dennis H. Evans <i>University of Delaware</i>
1985	Ralph N. Adams <i>University of Kansas</i>	1994	Barry Miller <i>Case Western Reserve University</i>
1986	Fred C. Anson <i>California Institute of Technology</i>	1995	William Heineman <i>University of Cincinnati</i>
1987	Robert A. Osteryoung <i>North Carolina State University</i>	1996	R. Mark Wightman <i>University of North Carolina</i>
1988	Royce W. Murray <i>University of North Carolina</i>	1997	Dennis C. Johnson <i>Iowa State University</i>
1989	Theodore Kuwana <i>University of Kansas</i>	1998	Larry Faulkner <i>University of Illinois</i>
1990	Jean-Michel Savéant <i>Université de Paris VII</i>	1999	Janet Osteryoung <i>North Carolina State University</i>
1991	Stanley Bruckenstein <i>SUNY—Buffalo</i>	2000	Henry S. White <i>University of Utah</i>
1992	Stephen Feldberg <i>Brookhaven National Laboratory</i>	2001	Richard P. Buck <i>University of North Carolina</i>
		2002	Christian Amatore <i>École Normale Supérieure</i>

YOUNG INVESTIGATOR AWARDEES

1993	Leonidas Bachas <i>University of Kentucky</i>	1998	Greg Swain <i>Utah State University</i>
	Werner Kuhr <i>University of California, Riverside</i>	1999	Daniel Feldheim <i>North Carolina State University</i>
1994	Adrian C. Michael <i>University of Pittsburgh</i>	2000	Merlin Bruening <i>Michigan State University</i>
1995	Mark Anderson <i>Virginia Polytechnic Institute</i>	2001	Eric Bakker <i>Auburn University</i>
1996	Louis A. Coury <i>Duke University</i>	2002	Andrew Hillier <i>University of Virginia</i>
1997	Ingrid Fritsch <i>University of Arkansas</i>		

—SEAC Photo *Flash*— <http://seac.tufts.edu/awards.html>

2001 SEAC AWARD WINNERS CAPTURED IN ELECTRONIC PERPETUITY!

—Official Photos of the Pittsburgh Conference [Photo credit: Roy Engelbrecht Photography]—



Dick Buck (left), 2001 Recipient of the C.N. Reilley Memorial Award and Professor Emeritus of Chemistry at the University of North Carolina, receives his award plaque from SEAC President, **Steve Weber** (below).



Eric Bakker (Auburn University), the 2001 Recipient of SEAC's Young Investigator Award, accepts his award citation from SEAC President, **Steve Weber** (left).

Dick Buck (right) and **Eric Bakker** (left) enjoy the Reilley Symposium in their honor at Pittcon®2001 in New Orleans on Wednesday, 7 March.





The presenters, awardees and speakers of the 2001 Reilley Award Symposium held on Wednesday, 7 March during Pittcon®2001 in New Orleans.

(L to R, back row): Jeanne Pemberton, Mark Meyerhoff (Organizer of the 2001 Reilley Award Symposium), and Steve Weber; (L to R, front row): Reilley Awardee Dick Buck, SEAC Young Investigator Eric Bakker, and Jed Harrison.

—Please join us at PITTCON®'2002, in New Orleans from 17-22 March 2002 to witness El Prez Mark Meyerhoff similarly honor Christian Amatore, our Reilley Awardee for 2002, and Andy Hillier, our Y2K+2 Young Investigator!—

—New Journal Alert!—

SENSORS (ISSN 1424-8220) is a new free-online journal with individual contributions protected by copyright by MDPI of Basel, Switzerland. Volume 1, Issue 1 of SENSORS was released on 28 June 2001; the papers in that issue may be read at: <http://www.mdpi.net/sensors/list01.htm#new>. Milan Antonijevic, Editor-in-Chief (adanilo@ptt.yu), has issued a Call for Papers in the areas of:

- (1) Electrochemical, electrical, mass-sensitive and thermal sensors; biosensors; pH sensors; corrosion sensors; fiber optic sensors; gas sensors; and ceramic sensors.
- (2) Sensors for food chemistry; medicine; and environmental monitoring.
- (3) Sensors devices; sensor arrays; nanosensors; software for sensors; and analytical methods with sensors.

See the SENSORS website at: www.mdpi.net/sensors

Papers may be submitted to: sensors@mdpi.org

—An Embarrassment of SEAC Riches: A Googolplex of Kudos—

—Kudos to Former SEAC EI Prez and Inaugural Reilley Awardee, Allen J. Bard—

RECIPIENT OF THE 2002 PRIESTLEY MEDAL OF THE AMERICAN CHEMICAL SOCIETY



Allen J. Bard, the Norman Hackerman-Welch Regents' Professor of Chemistry at the University of Texas at Austin has been awarded the American Chemical Society's highest honor: the 2002 Priestley Medal. As is the custom of the Priestley Medallists, Professor Bard will present an award address during the Awards Dinner held as part of the spring National Meeting of the ACS in Orlando, FL, 7-11 April 2002.

—see *SEAC Communications*, **1999**, 15(1) for a biography of Professor Bard {sorry, all... Al's Reilley musings are *still* pending... }—

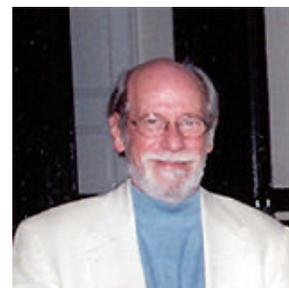
—Kudos to Former SEAC EI Prez and Reilley Awardee, Royce W. Murray—

2002 PITTSBURGH ANALYTICAL CHEMISTRY AWARD WINNER

SEAC members continue their embarrassingly successful run at the Pittsburgh Analytical Chemistry Society's top distinction: the Pittsburgh Analytical Chemistry Award. The 2002 honors go to SEAC's fifth Charles N. Reilley Awardee: **Royce W. Murray**, Kenan Professor of Chemistry at the University of North Carolina at Chapel Hill [Please note Professor Murray's excellent exemplification of Carolina's colors ...].

The PITTCON®2002 Award Symposium in Royce's honor will be held as part of the festivities in New Orleans, 17-22 March 2002. Warm up your web surfing by checking out: <http://www.pittcon.org>

—see <http://seac.tufts.edu/Murray.html> or *SEAC Communications*, **1989**, 7(4) for Royce's Reilley Musings—



—Kudos to Former SEAC EI Prez and Reilley Awardee, R. Mark Wightman—

2001 RECIPIENT OF THE AWARD IN ELECTROCHEMISTRY FROM THE ACS DIVISION OF ANALYTICAL CHEMISTRY



R. Mark Wightman, Kenan Professor of Chemistry at the University of North Carolina at Chapel Hill, is renowned for his research with ultramicroelectrodes and their use to probe complex chemical and biochemical phenomena. Those accomplishments are acknowledged by Mark's receipt of the Award in Electrochemistry from the American Chemical Society.

The Division of Analytical Chemistry will hold an Award Symposium on Tuesday, 28 August 2001 in honor of Mark and other Divisional award recipients as part of the ACS National Meeting in Chicago, 26-30 August 2001. Congratulate Mark at: rwm@unc.edu; more on Mark's breadth of electroanalytical research can be found at: <http://www.chem.unc.edu/faculty/wightmanrm/rmwindex.html>

—Kudos to Former Reilley Awardee, Jean-Michel Savéant—

ELECTED AS A FOREIGN ASSOCIATE OF THE U.S. NATIONAL ACADEMY OF SCIENCES



The U.S. National Academy of Sciences elected 15 distinguished scientists as foreign associates in 2001, including SEAC's seventh Charles N. Reilley Awardee: **Jean-Michel Savéant**, Directeur de Recherche, Centre National de la Recherche Scientifique, Paris. This honor follows his November 2000 election to the Académie des Sciences, France. Saveant's contributions to the understanding of electron-transfer reactions at electrodes and in solution have influenced countless electrochemists. His noteworthy contributions include new insights into electron-transfer coupled to bond-breaking, innovations in the catalysis of a broad range electron-transfer processes and entirely original approaches to the preparation and exploitation of functionalized surfaces.

—Kudos to Paul A. Kohl—

2001 RECIPIENT OF THE CARL WAGNER MEMORIAL AWARD FROM THE ELECTROCHEMICAL SOCIETY

Paul Kohl, Professor of Chemical Engineering, Regents' Professor and Institute Fellow at Georgia Tech, has received the 2001 Carl Wagner Award, which is conferred by the Electrochemical Society for significant achievements in both research and education. Paul's research specializes in thin-film analysis for the development of semiconductors, including high-speed silicon VLSI, GaAs, and photonic devices. His interest in electroanalytical chemistry serves him well in "pursuits of fundamental research and as a part of a multidisciplinary activity in microelectronics [<http://www.che.gatech.edu/Facresearch/pak.html>]."



Congratulate Paul at: paul.kohl@che.gatech.edu

—Kudos to Geraldine L. Richmond—

NAMED OUTSTANDING OREGON SCIENTIST FOR 2001



her research in the use of state-of-the-art pulsed-laser systems to study reactions and properties of surfaces, in particular the differences between properties on and below the surface of water. Way to go, Geri! Address your congratulatory electrons to: richmond@oregon.uoregon.edu

Gerri Richmond, Knight Professor of Liberal Arts & Sciences at the University of Oregon, has been named Outstanding Scientist for 2001 by the Oregon Academy of Sciences. This award is bestowed annually on an Oregon scientist who has made significant contributions to basic or applied research in the natural, physical, or social sciences. The award recognizes

—Kudos to Sylvia Daunert—

2001 RECIPIENT OF THE ARTHUR F. FINDEIS AWARD FROM THE ACS DIVISION OF ANALYTICAL CHEMISTRY FOR ACHIEVEMENTS BY A YOUNG ANALYTICAL SCIENTIST



The Findeis Award will be presented to Sylvia Daunert, Associate Professor of Chemistry and Pharmaceutical Sciences at the University of Kentucky, on Thursday, 4 October 2001 during the 40th Eastern Analytical Symposium and Exposition in Atlantic City, New Jersey from 1-4 October 2001. Her research interests lie in the area of bioanalytical chemistry, at the interface between analytical chemistry and molecular biology. Her group uses recombinant DNA technology to design new assays and biosensors based on genetically engineered proteins and cells. Her group is also known for the design of sensing arrays for the detection of molecules in small volumes and microfluidic platforms. Personal kudos may be sent to: daunert@pop.uky.edu.

—Kudos to Robert T. Kennedy—

2001 RECIPIENT OF THE BENEDETTI-PICHLER AWARD FROM THE AMERICAN MICROCHEMICAL SOCIETY

Bob Kennedy, Professor of Chemistry at the University of Florida will receive the Bendetti-Pichler Award on Monday, 1 October 2001 during the 40th Eastern Analytical Symposium and Exposition in Atlantic City, New Jersey from 1-4 October 2001. Bob's research program at Florida focuses on the development of nanoscale analytical techniques and their use in the measurement of neurotransmitters and hormones both *in vivo* and at single cells. In addition to developments and fundamental studies with these techniques, his group has also applied them to *in vivo* and single cell monitoring of neurotransmitters and hormones.

Direct your thumbs up to: rtkenn@chem.ufl.edu



—SEAC Extends Its Reach??—

The following bumper sticker was surreptitiously conveyed to Your Editor in a nondescript manila envelope in order to warn(?), astonish(?), or amaze the SEAC readership. Ex-Secretary Ewing is indeed a man of many talents...



—Submission of Award Nominations—

SEAC established and administers the Charles N. Reilley Memorial Award and The Young Investigator Award. In conjunction with the presentation of these awards, SEAC arranges an Award Symposium and an informal reception in honor of the Awardees at the Pittsburgh Conference. In this way, SEAC serves as the focal point for analytical chemists who wish to exchange ideas about electroanalytical chemistry at the conference.

Charles N. Reilley Award

The Charles N. Reilley Memorial Award, sponsored by Bioanalytical Systems, Inc., recognizes an active researcher who has made a major contribution to the theory, instrumentation, or applications of electroanalysis. Nominations for the Reilley Award should include a letter of nomination describing the individual's significant contributions to electroanalytical chemistry, at least two seconding letters of support, and curriculum vitae for the individual. All nomination materials will be retained by SEAC. Once nominated, any individual will be considered for three years, but submission of any additional supporting information or a renomination is welcome. **The decision for the 2003 Reilley Award will be based upon the material that is available to the Award Committee by 1 March 2002.**

Young Investigator Award

The Young Investigator Award, sponsored by Cypress Systems, recognizes accomplishments by a researcher in the early stages of her or his career. Nominees must be within seven years of obtaining their Ph.D. or other terminal degree at the time of nomination. Any member of SEAC may submit a nomination. Nominations should include a letter describing the individual's promise in the area of electroanalytical chemistry, at least one seconding letter of support, and curriculum vitae for the individual. All nomination materials will be retained by SEAC. Candidates for the YI Award must be renominated each year during their year of eligibility. **The decision for the 2003 Award will be based upon the material that is available to the Award Committee on the 1st of March 2002.**

Graduate Student Travel Award

The SEAC Graduate Student Travel Grant, sponsored by PerkinElmer Instruments, is awarded to promising graduate students to offset the cost of travel to PITTCON to deliver an oral presentation in a Conference symposium. The presentation should be on a topic related to their Dissertation or Thesis, and in some area or application of electroanalytical chemistry.

The amount of the award will be determined by SEAC and will be between \$250 and \$500. The value of all of the awards in any year will be equivalent, but it may vary from year to year. The award will not exceed the awardee's actual expenses. No more than two awardees will be selected from any one research group and no more than three awards will be made to students from any one educational institution.

Nominations for travel grants are due to the SEAC awards committee chair by the same date as the deadline for submission of PITTCON abstracts—for the 2002 meeting this is in August. The nomination shall consist of the student's current graduate transcript, a copy of the abstract submitted to PITTCON, a complete resume including publication list, and a letter of recommendation from the student's research advisor. The advisor's letter should include a statement of approximate graduation date and a short description of the student's speaking ability. A candidate shall be considered for an award for travel to PITTCON meetings that occur up to one year after the student's Ph.D. defense. Previous awardees will not be eligible for further consideration.

Requests for further information or submissions of nominations should be directed to:

Professor Richard M. Crooks

SEAC Awards Committee
Department of Chemistry; P. O. Box 30012
Texas A&M University
College Station TX 77842-3012

Tel: 979-845-5629 Fax: 979-845-1399

Email: crooks@tamu.edu

Incroyable! Your attendance need not be planned accordingly!! No meetings to announce!!!

—Reminders to SEAC Members—

—and now a message from Harry Mark, Chair of the Nominations Committee—

(yes, there is a committee, not just Harry!)

The Nominating Committee would like to receive from the membership their suggested candidates for election to the Board of Directors of SEAC. Last year only one name was sent to us. **HELP!!** Please! Send name(s) by 15 September 2001 to:

markhb@email.uc.edu

—Reminders to the Surfin' SEAC non-members—*Join us!*

... and when you do, SEAC's Membership Chairman, **Rick Baldwin**, is your go-to man [rick.baldwin@louisville.edu]*—please send all NEW MEMBERSHIP APPLICATIONS and INITIAL DUES PAYMENTS to him at:*

Professor Richard Baldwin
Department of Chemistry
2320 South Brook Street
University of Louisville
Louisville KY 40292, USA.

A membership form can be downloaded in either HTML or PDF format from the SEAC website [<http://seac.tufts.edu/membership.html>].

Any new members recruited by current members should send their completed applications directly to Rick.

—From the (E-)Mailbag—

... nothing... absolutely nothing!

SEAC on the Move!

—Katsumi Niki writes [Sat, 23 Jun 2001 11:53 - 0700]—

I have nearly settled in here in California where I am going to have a joint appointment at both Caltech and Occidental College (Oxy).

Every morning I spend some time at Caltech and then drive down to Oxy, which is only 7 miles (15 min) away from Caltech. I will carry out most of my experiments at Oxy, where Michael G. Hill, Assistant Professor of Chemistry at Oxy, is taking care of electrochemistry.

Katsumi's contact information is:

Dept of Chemistry, Occidental College
1600 Campus Road
Los Angeles, CA 90041-3314
Phone: 323-259-2765; Fax: 323-341-4912

and

Beckman Institute
California Institute of Technology, MC 139-74,
Pasadena, CA 91125
Phone: 626-395- 2808; Fax (626) 449-4159

nikik@oxy.edu

or

kniki@caltech.edu

****OUR CONTINUING AND HIGHLY POPULAR SEAC FEATURE** — *Name That Electrochemical Nerd* † !!**



Pictured above is last issue's entrant in "*Name that Electrochemical Nerd*." The mystery man was—and wasn't—a mystery: he is none other than **Royce Murray**, Kenan Professor of Chemistry at the University of North Carolina at Chapel Hill [and to read more about our latest EN, check out:

<http://www.chem.unc.edu/faculty/murrayrw/rwmiindex.html>].

This time we have out-and-out insider trading going on....

First in, writing directly to Royce (major points!), was **Tito Abruña** with: "Boss—You have evidently been anointed as the EN in the latest SEAC newsletter", followed but an instant later (on Fri, 12 Jan 2001 14:29 -0500), by **Lenny Tender** (who wrote Royce, but copied me... excellent!): "Nice picture in the SEAC newsletter."

In message Fri, 12 Jan 2001 12:52 -0500, Debra Rolison writes: "too, bad, Tito. All of us who saw that photo in October (you for instance) are disqualified..." Lenny gets similarly disqualified.

Responding to Tito on Fri, 12 Jan 2001 14:39 -0500 with a most astute call was this issue's EN himself: "Bingo. But I had no hair when you were a student! Aha this was one of the photos at the 40th thing this October—you cheated. —Royce"

— Nobody wins! —

—Pictured below is this issue's entrant (looking as though he is being confirmed as a cub Loser-Electrochemist) in "Name that Electrochemical Nerd." Again, the first correct guess (**as determined by directly contacting the pictured-herein EN—this still ain't fine print, folks!**)—will win an autographed copy of the EN's latest reprint.



—...and please send in your candidates (and mystery photographs) for next issue's entrant in "*Name That Electrochemical Nerd*"!!—

† **a.k.a. "Loser-Electrochemist!"**, see *SEAC Communications*, 1998, 14(1).