

SEAC *communications*

Volume 23, Number 1, February 2007

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Available on the WWW at <http://electroanalytical.org>



<http://electroanalytical.org/>

SEAC – over 20 YEARS - materials science –
bioanalytical chemistry

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*“Founding Fathers” from left
L.R. Faulkner, I. Shain, A.J. Bard
(CEN, July 3, 2006).*

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Quote to note: “People who are not trained as electrochemists are becoming increasingly interested in biosensors, especially those used in neurobiology studies.”(G. Wilson)

SEAC President's Message

President's Message

I would like to begin this message with a tribute and a reminder of the roots of SEAC. The society was originally conceived, in part, as a vehicle for the CN Reilley Award and I think it is very important that we do not forget the accomplishments and even more importantly the spirit of this great scientist. In this issue you will find a short synopsis of the career of Charles N. Reilley. This was excerpted from a larger memoir written by Royce Murray for the National Academy of Science Memoir series which can be found at (<http://books.nap.edu/html/biomems/creilley.pdf>).

On to this year's winners! This year the Reilley and Young Investigator Awards will go to George Wilson and Mary Beth Williams, respectively, and I would begin by offering hearty congratulations to both! As always, these awards will be presented at a symposium at Pittcon, this year in Chicago. At this Pittcon we will also feature the first SEAC poster session. This first one is a small start this year, but Pittcon has graciously placed it parallel and next to their electrochemistry poster session and the combination promises to be an exciting session. At the session look for a poster listing lifetime members in SEAC and corporate donors.

As scientists, whether in academics, industry, or government we are asked to present our work at regional, national and international meetings and this means that we travel more than the average person, see more than the average person and have many wonderful connections to people in many geographic locations. It is important of course to bring students and postdocs to these meetings and expose them to both excellent science and travel. So bring your students and postdocs and head to Pittcon this year. I am anticipating some great weather in February in Chicago!

The SEAC election of new board members is announced in this issue. This year, our secretary Jonathan Howell, sent the ballots via email. The vote was completely confidential. We always need a good turnout for this to have true meaning. It is vitally important that we all get involved in the process of furthering the society. I hope you made every effort to vote.

In our never-ending quest to keep this organization solvent and in the black, we are working on a new scheme to "name" donors, both corporate and individual. Donors will be named as Bronze, Silver, Gold and CN Reilley Club, each year, based on whether they cross a various monetary thresholds – levels to be determined. You saw this in your email and please take it seriously. We need your help to keep our organization solvent. And remember, all donations are tax deductible!

Finally, while on the subject, I have a number of SEAC 2006 tee shirts left and at the beginning of 2007 I am willing to part with them for a discounted price of \$6 plus

shipping (about \$2.25). If you want one (or 2 or 3), please send me an email to see if I have your favorite color (blue, green, or white) in your size!

I hope you are all busy pushing, or drawing, electrons in your favorite medium, be it cells, melts, non-aqueous solutions, super conductors.

The Charles N. Reilley Award in Electroanalytical Chemistry

Charles N. Reilley was born in 1925 in Charlotte, North Carolina. He received his B.S. degree from the University of North Carolina, his M.A. and Ph.D. degrees at Princeton working for Nathaniel Howard Furman. He returned to North Carolina and was a professor from 1952 to 1981 at the University of North Carolina. He was inducted into the National Academy of Science in 1977. At Princeton, he was a graduate student colleague of Ralph N. Adams and W. Donald Cooke. At UNC he was a faculty colleague of Royce W. Murray and Richard Buck, and faculty advisor to postdoctoral associates R. W. Schmid, L. B. Anderson and graduate students Peter Kissinger and Richard Van Duyne among others. Reilley was one of the first modern analytical chemists of the 20th century. His interests were both fundamental and broad; he made seminal contributions to electroanalysis, optical spectroscopy, NMR, chromatography, data analysis, instrumentation, and surface analysis. The signature of his research was to decline empiricism, seeking a basic understanding of measurements and detection schemes. Reilley recognized that measuring things is at the heart of modern chemistry.

Reilley is central in the history of the Society for Electroanalytical Chemistry, which was formed following his death in 1981, as a vehicle for managing the Charles N. Reilley Award, in his memory.

2007 Charles N. Reilley Award Winner



George S. Wilson, Higuchi Distinguished Professor of Chemistry and Pharmaceutical Chemistry at the University of Kansas, is the recipient of the Charles N. Reilley Award for his contributions to electroanalytical chemistry.

Professor Wilson was elected an AAAS Fellow in 1984 and in 1993 received the University of Kansas' Olin K. Petefish Research Achievement Award. He serves or has served on the editorial boards of *Analytical Chemistry*, *Biosensors and Bioelectronics*, and *Portugaliae Electrochimica Acta*. He served as the Chair of the Commission on Electrochemistry (1991-95) and President of the Physical Chemistry Division of IUPAC (2000-2001).

Wilson's research is focused on bioanalytical chemistry with emphasis on bioelectrochemical applications. His early work centered on heme and non-heme iron proteins and model systems to characterize various oxidation states by spectroelectrochemistry. The redox chemistry of thioethers has been examined in the context of protein stability in the presence of reactive oxygen species and has led to prediction of methionine stability in proteins. Most recently, however, Wilson's group has focused on electrochemically-based immunoassays and on the development of an implantable sensor for glucose, demonstrated effective in continuous monitoring of blood glucose in humans. This work has been extended to real time multianalyte detection in the rat brain. He and his collaborators have authored more than 200 publications and he is an editor of two monographs on biosensors and bioelectrochemistry, respectively.

Wilson received an AB degree from Princeton University (1961) and his Ph.D. from the University of Illinois in 1965, working with Professor Arnold M. Hartley. He then spent two years in the Department of Biochemistry at Illinois in the laboratory of Professor Lowell P. Hager as an NIH Post-doctoral fellow and then joined the Department of Chemistry at the University of Arizona in 1967. In 1987 he accepted his present position at the University of Kansas. In 2004 he was appointed Associate Vice Provost for Research.

2007 Young Investigator Award Winner

Mary Beth Williams,



Assistant Professor in the Department of Chemistry at Penn State University, is the recipient of the 2006 Young Investigator Award for research in electrochemistry at the interface of nanoscience and for development of novel materials.

Mary Elizabeth (Beth) Williams received a B.A. from St. John Fisher College in 1994. In 1999, she earned a Ph. D. in Chemistry from the University of North Carolina under the direction of Royce W. Murray. She then joined the group of Joseph Hupp at Northwestern University as a postdoctoral research associate. Professor Williams's research interests include inorganic DNA - the study of artificial oligopeptide scaffolds linked by metal ions; inorganic enzymes - the metal binding of artificial oligopeptides for designer bioaffinity and reactivity; selective transport of inorganic nanoparticles - synthesizing chemically functional inorganic nanoparticles whose transport may be manipulated and controlled via their magnetic properties; and visualizing, patterning, and directing motor proteins with nanoparticles. Among her awards, she has been named an Alfred P. Sloan Foundation Fellow, received a David and Lucile Packard Foundation Fellowship for Science and Engineering, and is the recipient of a National Science Foundation Faculty Early Career Development Award.



The preliminary program posted by PittCon on page 49 (<http://www.pittcon.org/technical/documents/PPtechpro.pdf>) has a different version of the Award Symposium. The up-to-date program is:

Charles N. Reilley Memorial Award and Young Investigator Awards Symposium
arranged by Gary D. Christian

Wednesday Afternoon, Room 402B, McCormick Place Convention Center
Gary D. Christian, Presiding

1:30 Introductory Remarks – Gary D. Christian

1:35 *Presentation of the 2007 Charles N. Reilley Memorial Award to George S. Wilson, University of Kansas, by SEAC president Andrew Ewing, The Pennsylvania State University*

1:40 “When Electrochemistry Meets Biology: A Look at the Interface,” George S. Wilson, University of Kansas

2:15 “Catalysis by Enzyme Electrode Coatings: Monoenzymatic and Bienzymatic Systems,” Jean-Michel Savéant, Université de Paris 7

2:50 “Electroanalytical Chemistry: How did we get where we are?” Gary D. Christian, University of Washington

3:25 Recess

3:35 *Presentation of the Young Investigator Award to Mary Beth Williams, The Pennsylvania State University, by SEAC president Andrew Ewing, The Pennsylvania State University*

3:40 “Electron Transfers in Metal-Linked Artificial Oligopeptide Duplexes,” Mary Beth Williams, The Pennsylvania State University

4:15 “Functional Supramolecular Assemblies,” Joseph T. Hupp, Northwestern University

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## SEAC activities **PITCon® 2007:**

**Reception:** for Reilley Awardee George Wilson and Young Investigator Mary Beth Williams will be held on **Tuesday, February 27 from 5 to 7:30 p.m.** at the Phoenix Restaurant, 2131 S Archer Ave., Chicago, IL. The reception is open to all. Reservations are not necessary. Hors d'oeuvres will be provided with a cash bar.

**Reilley Award dinner:** in honor of Profs Wilson and Williams will be held **immediately following the SEAC Reception** at the **Phoenix Restaurant**, 2131 S Archer Ave., Chicago, IL, **Tuesday** evening, **February 27, 2007, at 8 p.m.** The dinner is open to members and guests, but advanced **reservations are required**. For reservations, please contact SEAC Activities Chair, Craig Lunte of the University of Kansas by 5 pm February 12, by telephone: (785) 864-3072; FAX: (785) 864-1916; or electronic mail ([clunte@ku.edu](mailto:clunte@ku.edu)). Projected cost is \$33/person (tax and gratuity included) plus drinks.

**Annual SEAC Membership Meeting:** is **Wednesday** afternoon immediately following the Reilley Award symposium and in the same room (**4:30, Rm 402B**). Please plan to stay for this brief business meeting that is required of all tax-exempt organizations. Prospective members and guests are welcome to attend the business meeting

**Board of Directors Meeting:** is **Tuesday 12:00 to 1:30, Rm N131**. The meeting is open to current and former Board Members, Officers and Committee Members. If any Member has concerns or suggestions for the Society, please contact Andy Ewing, SEAC President ([age@psu.edu](mailto:age@psu.edu)) so they may be addressed during the Board Meeting. A light meal will be served during this working lunch session (attendees will pay for their own lunch). If you plan to attend, please contact Craig Lunte by 5 pm February 12, for your reservation.

Agenda for the SEAC Board of Directors Meeting was prepared and was distributed to board members by e-mial by the SEAC president Andrew Ewing.

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PittCon 2006

CN Reilley and Young Investigator Awards Symposium

in pictures.





Clockwise: The CN Reilley Award winner Mark Meyerhoff (right) presented with the award by SEAC president Andy Ewing. Andy Ewing presenting the Award to Keith Stevenson. Symposium participants (from left, front row)- Mark Meyerhoff, Greg Swain, Erick Bakker, Keith Stevenson. Back row: Bob Kennedy, Andy W Ewing.

SEAC BUSINESS 2007

SEAC Board of Directors Election: Congratulations to **Robin McCarley**, **Keith Stevenson**, and **Cindy Zoski** who were recently elected to the SEAC Board Directors with terms from July 1, 2007 to June 30, 2012. The election was close with a voter turnout of approximately 23%.

Ballots for the Board of Directors Election were sent by e-mail in early December. The ballots were sent only to paid-up members – please check the membership lists below to verify that our records are accurate. *If you did not get the ballot, there is an error in our*

list, you are uncertain that we have your correct e-mail, please contact Jon Howell, SEAC Secretary [jhowell\(at\)bioanalytical.com](mailto:jhowell(at)bioanalytical.com)

The Nominating Committee, Chaired by Carol Korzeniewski, have supplied the slate of candidates for your consideration. We were electing three new members to the SEAC Board of Directors, who will serve a five-year term (2007-2012), starting July 1, 2007. The three with the highest number of votes filled the open positions.

Biographical Sketches of the New Board Members

Robin McCarley is Professor of Chemistry at Louisiana State University. He received his PhD with Royce Murray at the University of North Carolina, and was an NSF Postdoctoral Fellow with Allen J. Bard at the University of Texas. His research program spans surface chemistry, polymer chemistry, nanoscience and bioanalytical/physical chemistry, with current interests in stimuli-responsive polymers (dendritic and linear) in solution and on surfaces, modified polymers for use in lab-on-a-chip technologies, Alzheimer's protein aggregation, and template-assisted nanoparticle synthesis. Robin has won several awards, such as the *Society of Analytical Chemists of Pittsburgh Award*, and an *LSU Distinguished Faculty Award*. He was recently selected to serve on the *Analytical Chemistry A-Page Advisory Panel*, was the Chair of the Summer Fellowship Program of the Electrochemical Society from 1999-2006, and is an elected member of the Division of Physical Electrochemistry of the Electrochemical Society.

Keith Stevenson is Associate Professor of Chemistry at the University of Texas at Austin. He joined the faculty in 2000 after completing the Ph.D. degree in Physical/Analytical Chemistry with Henry. S. White at the University of Utah in 1997 and postdoctoral research with Joseph T. Hupp at Northwestern University. Currently his research concentrates on the creation of advanced functional electrode materials with application to energy conversion/storage and sensing, as well as, on the development of new microscopic tools for their characterization. He is a recipient of a NSF CAREER award (2002), the Society of Electroanalytical Chemistry (SEAC) Young Investigator Award (2006) and is presently the Jack S. Josey Fellow in Energy Studies at the University of Texas.

Cynthia Zoski is an Associate Professor of Chemistry at New Mexico State University. Her research interests focus on theoretical and experimental aspects of electrochemistry at the micro- and nanoscale and include investigations relating to scanning electrochemical microscopy (SECM), ultramicroelectrodes (UMEs), addressable nanoelectrode membrane arrays (ANEMAs), and catalysis at nanoparticles. Dr. Zoski has published forty-three papers in peer reviewed journals and has written six chapters in edited books. She is the co-author for two books (*Electrochemical Methods: Fundamentals and Applications. Instructor's Solutions Manual and Electrochemical Methods: Fundamentals and Applications. Student Solutions Manual*) and is the editor of *The Handbook of Electrochemistry* (Elsevier, 2007). Dr. Zoski has organized symposia at PITTCON regularly since 2003 and is a contributor to SEAC activities.

SEAC Membership Lists - WE NEED YOUR HELP!

Lifetime Members: If you are uncertain that our records have your correct contact information, please e-mail the Secretary, Jon Howell (jhowell@bioanalytical.com) and he will verify/update the records.

1. We are verifying and updating our membership lists. The lists of current Lifetime and Yearly Members of the Society are below. Please look through the list for your name and institution. If you are missing, our records indicate that you did not pay your 2006 dues. If we have missed you or you think we have incorrect contact information, please contact Jon Howell so we can update the information. Only current members received a ballot for the election. Payment for 2007 yearly SEAC membership was due January 1, 2007. If you have not already sent in your 2007 dues, please submit your payment by February 15. Membership Applications are at <http://www.electroanalytical.org/membership.html> with payment by check or PayPal.

2. Besides looking for your name, please scan the list for friends and colleagues that you think would benefit with SEAC membership. If they are not members, then please help us recruit them. Ingrid Fritsch, Chair of the Membership Committee, (ifritsch@uark.edu) can supply membership information.

Jon Howell, SEAC Secretary jhowell@bioanalytical.com

2006 SEAC Lifetime Members

Abruna, Hector D.	Cornell University
Alpuche-Aviles, Mario	Univ. of Texas at Austin
Alvarado, Victoria	
Amatore, Christian	Ecole Normale Superieure
Anderson, Larry	The Ohio State University
Anson, Fred C.	California Institute of Technology
Aoki, Koichi	University of Fukui
Ayers, Katherine	Eveready Battery Co.
Bachas, Leonidas G.	University of Kentucky
Baeumner, Antje J.	Cornell University
Bakker, Eric	Purdue University
Baldwin, Richard P.	University of Louisville
Barbour, Carleton J.	Schering Plough Corp.
Bard, Allen J.	University of Texas at Austin
Barlag, Rebecca E.	Ohio University
Blank, C LeRoy	University of Oklahoma
Blount, II, Henry N.	National Science Foundation
Bond, Alan M.	Monash University
Bottomley, Lawrence A.	Georgia Institute of Technology
Bowden, Edmond F.	North Carolina State University
Brajter-Toth, Anna	University of Florida
*Brancato, Sam	St. Louis University
Bruening, Merlin	Michigan State University
Bruntlett, Craig S.	Bioanalytical Systems, Inc.
Cammann, Karl	WWU Münster
Chang, Hsianpin	Shell Development Company
Chen, Jingyuan	University of Fukui
Chen, Shaowei	University of California

Cheng, Kuang L.	Department of Physics University of Missouri
Christian, Gary D.	University of Washington
*Clark, Rose	St. Francis University
Cliffel, David E.	Vanderbilt University
Corn, Robert M.	University of California, Irvine
*Coury, Louis A., Jr.	Eli Lilly
Creager, Stephen	Clemson University
Cunningham, David	Abbott Diagnostics
Davies, Malonne I.	Emporia State University
Doyle, Matthew J.	The Proctor & Gamble Company
Duhart, Benjamin T.	
Elliott, C. Michael	Colorado State University
Ensman, Robert	Ensman Instrumentation
Evans, Dennis H.	University of Arizona
Ewing, Andrew G.	Penn State University
Faulkner, Larry R.	Houston Endowment
Fritsch, Ingrid	University of Arkansas
Fujihira, Masamichi	Tokyo Institute of Technology
Fung, Ying-Sing	Hong Kong University
Gagescu, Daniel	
Gajan, Raymond J.	
Gilicinski, Andrew G.	Clorox Company
Gordon, Joseph G.	Almaden Research Center
*Goss, Charles	GlaxoSmithKline
*Gross, Erin	Creighton University
*Hatchett, David W.	University of Nevada-Las Vegas
Hawkridge, Fred M.	Virginia Commonwealth University
* Hayes, Mark D.	Arizona State University
Heineman, William R.	University of Cincinnati
Heller, Adam	University of Texas - Austin
Hirsch, Ronald F.	U.S. Department of Energy - GTN
Howell, Jonathon	BASi
His, Tai-Sung	National Sun Yat-Sen University
Hui, Ben S.	Milwaukee Health Laboratory
Humphrey, Brian D.	Montclair State University
Hupp, Joseph T.	Northwestern University
Ichimura, Akio	Osaka City University
Ikeda, Tokuji	Kyoto University
Imisides, Mark D.	Intelligent Polymer Research Institute (IPRI)
Kauffmann, Jean-Michel	Universit, Libre de Bruxelles (ULB)
Kevra, Susanna A.	Hoffmann LaRoche, Inc.
Kirchhoff, Jon R.	University of Toledo
Kissinger, Peter T.	Bioanalytical Systems, Inc.
Kounaves, Samuel P.	Tufts University
Kuwana, Theodore	University of Kansas
LaCourse, William R.	University of Maryland Baltimore County
*Lay, Peter A.	University of Sydney
Layloff, Thomas P.	United States Pharmacopeia
Leddy, Johna	University of Iowa
Lee, Chi-Woo	Korea University
Levine, Solomon	
Lunte, Craig E.	University of Kansas
Lunte, Susan M.	University of Kansas
Lyons, Leslie	Grinnell College
MacTaylor, Christine	Salem State College
Maloy, Joseph T.	Seton Hall University

Martin, Scott	Saint Louis University
McCreery, Richard L.	University of Alberta
Meyerhoff, Mark	University of Michigan
Michael, Adrian C.	Univ. of Pittsburgh
Minteer, Shelley D.	Saint Louis University
Murray, Royce W.	UNC, Chapel Hill
Newton, Mary	UNC, Chapel Hill
Osteryoung, Janet G.	NSF
Oyama, Noboru	Tokyo University of Agriculture and Technology
Petrovic Steven	Southern Oregon University
Pierce, David	University of North Dakota
Porter, Mark D.	Arizona State University
Pyati, Radha	University of Colorado, Colorado Springs
Qin, Yu	Renmin University of China
*Ragsdale, Steven R.	Broadley-James Corp.
Reust, Juerg B.	Sandoz Pharma Ltd.
Reynolds, Norman C.	VAMC
*Richter, Mark M.	Missouri State University
Ridgeway, Thomas P.	University of Cincinnati
Rodgers, Robert S.	Gamry Instruments
Rolison, Debra R.	Naval Research Laboratory
Rotstein, Marc L.	EG&G Princeton Applied Research
Rubinson, Judith F.	Georgetown University
Rusling, James F.	University of Connecticut
Ryan, Michael D.	Marquette University
Schildkraut, Deniz Ege	Eastman Kodak Company
Schultz, Frank A.	Indiana Univ. Purdue Univ. Indianapolis
Scolari, Caroline, A.	Bio-Rad Laboratories
Senda, Mitsugi	
Shaw Brenda R.	University of Connecticut
*Sienerth, Karl D.	Elon College
Silk, Wayne	University of Manitoba
*Slaterbeck, Andrew F.	University of Central Florida
Sobkowiak, Andrzej	Rzeszow University of Technology
Speiser, Bernd	Institute f r Organische Chemie
Stevenson, Keith J.	University of Texas at Austin
Strein, Timothy G.	Bucknell University
Tallman, Dennis E.	North Dakota State University
Taniguchi, Isao	Kumamoto University
Umezawa, Yoshio	The University of Tokyo
Weber, Stephen G.	University of Pittsburgh
Weisshaar, Duane E.	Augustana College
White, Henry S.	University of Utah
Wightman, R. Mark	UNC, Chapel Hill
Yarnitzky, Chaim N.	Technion
Zeng, Xiangqun	Oakland University
*Zhang, Xueji	World Precision Instruments Inc.
Zoski, Cynthia	New Mexico State University
Zoski, Glenn D.	Great Falls, VA

*making Lifetime installment payments

2006 Yearly Members

Amemiya, Shigeru	University of Pittsburgh
Anderson, Emily C.	University of Arkansas
Andreescu, Silvana	Potsdam, NY

Baker, Lane	
Baur, John E.	Illinois State University
Bennett, Jason	Michigan State University
Blauch, David N.	Davidson College
Boutelle, Martyn	Imperial College London
Bravo, Roberto	CDC
Buhlmann, Philippe	University of Minnesota
Buttry, Daniel A.	University of Wyoming
Cannon, Donald M.	University of Iowa
Caulum, Meghan	Colorado State University
Chambers, James Q.	University of Tennessee
Charles L. Hussey	University of Mississippi
Chovin, Arnaud	University of Texas at Austin
Chow, Kwok-Fan	University of Texas at Austin
Ciobanu, Madalina	Vanderbilt University
Cline, Kristin	Wittenberg University
Connors, Thomas F.	Colgate-Palmolive Company
Cox, James	Miami University
Crooks, Richard	University of Texas at Austin
Dalton, Frank	Pine Instruments
Dewald, Howard D.	Ohio University
Doub, William	United States FDA/DPA
Dressen, Brian	Colorado State University
Durst, Richard A.	Cornell University
Durust, Nedime	Aibu; Abant Izzet Baysal University
Engstrom, Royce C.	University of South Dakota
Erdem-Gursan, Arzum	Ege University, Faculty of Pharmacy
Fakunle, Tayo	University of Arkansas
Feeney, Rosemary	ESA, Inc.
Forry, Sam P.	UNC, Chapel Hill
Franco, Danielle B.	University of Louisville
Fry, Albert	Wesleyan University
Gertsch, Jana	University of Arkansas
Getek, Timothy P.	Intertwine Development
Glass, Robert S.	Lawrence Livermore National Laboratory
Goel, Ekta	Mississippi State University
Gross, Erin	Creighton University
Harper, Alice	Concordia College
Harrar, Jackson E.	Castro Valley, CA
Harris, Joel M.	University of Utah
Hashemi, Parastoo	Imperial College London
Haverhals, Luke M.	University of Iowa
Henrichs, Andrea E.	University of Arkansas
Henry, Charles	Colorado State University
Herman, Harvey B.	University of North Carolina - Greensboro
Hettige, Chaminda	Iowa City, IA
Hubbard, Arthur T.	Santa Barbara Science Project
Hupert, Mateusz	Louisiana State University
Hussey, Charles	University of Mississippi
Jackovitz, John F.	University of Pittsburgh
Janata, Jiri	Georgia Institute of Technology
Jiang, Mian	Sugarland, TX
Josowicz, Mira	Georgia Institute of Technology
Karp, Stewart	Long Island Univ. C.W. Post Campus
Kitchin, John	Pittsburgh, PA
Kodupaka, Venu	University of Arkansas

Korzeniewski, Carol	Texas Tech University
Luther, George W.	University of Delaware
McCarly, Robin	Louisiana State University
Martin, Audrey	Michigan State University
Martin, G. William	Mylan Technologies, Inc.
Matinchek, Gregory A.	Gamry Instruments, Inc.
Meaney, Melissa	Michigan State University
Middleton, Jeffrey	Oakland Park, FL
Mirkin, Michael V.	Queens College-CUNY
Modi, Swati	University of Maryland, BC
Motsegood, Perry	University of Iowa
Mugweru, Amos	Pennsylvania State University
Munge, Bernard S.	Salve Regina University
Nagale, Milind	ESA Biosciences
Nair, Sumintha	Cleveland Heights, OH
Neal, Thomas P.	Neal Associates, Ltd.
Nisbet, Alex R.	Ouachita Baptist University
Otis, Deborah E.	Virginia Wesleyan College
Pantano, Paul	Univ. of Texas at Dallas
Paschkewitz, Tim	Coralville, IA
Patel, Bhavik	Imperial College London
Perone, Sam P.	Penn Valley, CA
Petrovic, Jelena	UNC, Chapel Hill
Polsky, Ronen	Sandia National Laboratories
Rao, Ashwin	Clemson University
Rios, Natalie	University of North Carolina-Chapel Hill
Scheeline, Alexander	University of Illinois
Severin, Harvey	Imperial College London
Shain, Irving	University of Wisconsin- Madison
Somers, Leslie	University of North Carolina-Chapel Hill
Song, Yang	Michigan State University
Spritzer, Lawrence	Abbott Laboratories
Stojek, Zbigniew	Warsaw University
Stotter, Jason	Eltron Research, Inc.
Szpylka, John	General Mills, Inc. / Medallion Laboratories
Sztaberek, Lukasz	University of Louisville
Theberge, Stephen	Merrimack College
Unlu, Murat	University of Iowa
Van Duyne, Rick	Northwestern University
Vanysek, Petr	Michael Faraday labs
Vickers, Jonathan	Colorado State Univ.
Weber, Michael W.	ESA Biosciences INC.
Westall, John C.	Oregon State University
Wilburn, Jeremy	Vanderbilt University
Williams, Mary Beth	Penn State University
Wilson, George S.	University of Kansas
Witek, Makgorzata A.	Louisiana State University
Yoga Narasimhan, Padhmodhbhava	University of Arkansas
Zudans, Imants	University of Pittsburgh



SEAC Fund Raising Drive

Hello All,

I am sending this email to all Lifetime members of SEAC. I would like to enlist your help in fund raising for SEAC and this is a fundraising pitch looking for **tax-deductible donations**.

SEAC is on the move and I hope I can entice you get more involved if you are not already. At the annual board meeting, this year in Chicago, we plan to discuss committee reports to slightly restructure the bylaws, passwording certain sections of the SEAC website for access to members only, and the dues for lifetime membership (no one has joined our ranks since we moved to \$500 per year). As always, I value your opinions and suggestions in all this, so please send me any comments you might have.

This year's winners of the Reilley and SEAC Young Investigator Awards are George Wilson and Mary Beth Williams, respectively. I hope you will join me in congratulating them both on richly deserved awards! Ingrid Fritsch has added a short bio of Charles Reilley, excerpted from a memoir written by Royce Murray, to the SEAC brochure and we plan to post this at Pittcon as well.

At last year's board meeting, the members expressed interest in implementing a campaign to raise our operating budget. We have set a goal to raise an additional \$10,000 over the next year. Donations are tax deductible. As part of this effort, we have developed a ranked annual donor list (it's not just your alma mater that is asking for support anymore!). To date, almost all of the annual donations to SEAC have been corporate. We have tentatively set the following limits for annual donations:

Corporate Donors:

Donor: up to \$249

Bronze: \$250-\$499

Silver: \$500-749

Gold: \$750-1250

The Reilley Club: Above \$1250

Individual Donors:

Donor: up to \$149

Bronze: \$150-\$249

Silver: \$250-499

Gold: \$500-749

The Reilley Club: Above \$750

We plan to show a list of both corporate and individual donors at the SEAC poster session and Reilley Award Symposium at Pittcon. A list of all donors making donations will also be published in the Newsletter.

Of course, the largest benefit of being a donor to SEAC is that you know you are helping to propagate the health and prosperity of the electrochemistry community and all young scientists aspiring to be electrochemists.

If you, or your company, wish to become a donor, please feel free to contact me. Again, please remember that donations are tax deductible.

Thank you very much for your continued support of SEAC!!

All the Best,
Andrew Ewing
President

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**Jon Howell, SEAC Secretary**, reminded us that according to the existing Society Bylaws, the following time line of required items for SEAC is:

1. Dues Payable and **due Jan. 1**. (Article IV, Section 1)
2. **\*December – February** Secretary posts annual Member Meeting details (30-90 days before meeting) – can be in Newsletter (Article V, Section 4)
3. At least **2 weeks before BOD meeting**, President or Secretary gives notice to BOD. (Article IV, Section 5)
4. Annual Membership Meeting **1<sup>st</sup> half of year**. (Article V, Section 1). Board Meeting in conjunction with Member Meeting (Article VI, Section 4).
5. **\*By June 30** – President prepares annual report for BOD and then distributes to Membership **by Dec.31** – can be in Newsletter. (Article VI, Section 10)
6. **After July 1** – Terminate unpaid membership 6 months after notifying them that they are in default of payment of their dues. (Article III, Section 4). (*Need to discuss when to notify – January 31?*)
7. **\*By October 1** – Secretary posts notice of Directors (every year) and Officers (every other year) whose terms will expire June 30 of following year and seeks nominations of replacements - can be in Newsletter (Article IV, Section 3 and Article VIII, Section 2)
8. **By November 15** Nominating Committee gives Secretary a slate of candidates (Article IV, Section 3 and Article VIII, Section 2)
9. **By December 1** Secretary mails ballots (Article IV, Section 3 and Article VIII, Section 2). Dues notification sent along with ballots.
10. **\*January 15** election closed, Secretary tallies votes and reports results to board of Directors and President reports new Directors to Membership (Article V, Section 4 and Article VIII, Section 2). *Note that Article VIII Section 2 does not mention reporting the new Officers to the Membership.*

\*for required "mailings/notifications." It is possible to cover these in two Newsletters with the following timing:  
September #5 and #7, (could also contain call for nominations for grad student travel award)  
Late January #2, #10



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## *-SEAC MEMBERSHIP -*

The Society's on-line payment site accepts payments by the PayPal system. To renew your membership or to join the Society use PayPal on-line at <http://www.electroanalytical.org/membership.html>. If payment by check is necessary, send the check with the Membership Form, available at

<http://www.electroanalytical.org/membership.html>. *cheCks* can be mailed to Jonathon Howell, SEAC Secretary, BASi, 2701 Kent Avenue, West Lafayette, IN 4706.

Regular one year membership dues for 2007 are \$20/yr. Student dues are \$10/yr. A lifetime membership option is \$500, which can be \$100/yr for five years. Student/post doc free year 1.

**Dues Reminder:** Payment for 2007 yearly SEAC membership was due January 1, 2007. If you have not already sent in your 2007 dues, ***please submit your payment.*** The brochures that were mailed to all members contain an application form and on-line payment is available on the SEAC web site at <http://www.electroanalytical.org/membership.html>.

**Seeking New Members:** Please share the news of SEAC activities. Note that for students and post docs, the first year is free and subsequent years are half price (\$10/year). Send in the applications!

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## **- SEAC Members in the News-**

**Irving Shain Honored at Wisconsin (excerpts; C&N; [www.CEN-ONLINE.ORG/July 3, 2006](http://www.CEN-ONLINE.ORG/July3,2006)).**

The [University of Wisconsin, Madison](#), chemistry department hosted events on May 5-6 to dedicate the new [Irving Shain](#) Chemistry Research Tower. Shain, who most recently served the university as its chancellor, was on hand for the events.



UW Chemistry Dept. Photo

**DEDICATION:** Larry R. Faulkner (left), president of Houston Endowment Inc. and president emeritus of the University of Texas, Austin, and Allen J. Bard, Hackerman-Welch Regents Chair in Chemistry, Biochemistry & Chemical Engineering, UT Austin, join Shain (center) at Wisconsin ceremonies.

Shain joined the Wisconsin faculty in 1952, and from 1967 to 1970, he served as chair of the chemistry department. In 1970, he was named university vice chancellor. He served from 1975 to 1977 as vice president for academic affairs at the [University of Washington](#) before returning to Wisconsin where he served as chancellor from 1977 to 1986. After retiring from Wisconsin, he joined [Olin Corp.](#) as vice president and chief scientist until 1992.

Shain maintains, however, that his most enduring contribution has come through his students. **"My legacy includes the 27 students who earned their Ph.D.s working with me and their research results,"** he says. (*Let us know who you are!*; Ed).

**Perhaps Shain's most important paper was coauthored with Richard S. Nicholson and was based on Nicholson's 1964 Ph.D. dissertation.** In this (*ELECTROANALYTICAL*; Ed) paper, the researchers described what has become known as cyclic voltammetry. Published in *Analytical Chemistry*, the paper was the fourth most frequently cited publication of the first 75 years of the journal's history. Nicholson is chief executive officer emeritus of the [American Association for the Advancement of Science](#).

The tower will be a fine and fitting tribute to Shain's impact on campus, according to current Wisconsin Chancellor John Wiley. "Irv has been and even in retirement continues to be one of the most consistently influential figures in the history of the university," Wiley says. "He was an inspirational teacher and scholar. As department chair and later as chancellor, his leadership paved the way for the many difficult organizational and administrative modernizations needed for the challenging times he foresaw."

**Shain Tower joins Murray's Quad** the outdoor area of a plaza named for Prof. Royce W. Murray on the UNC-CH campus. (*see Jan. 2006 issue of the Newsletter*).

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## BOOKS ...BOOKS... BOOKs

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### Memoirs of CN Reilley by Royce W. Murray

The Memoir was prepared by Prof Murray for the NAS (National Academy of Science) Memoir series.

In addition Prof. Royce Murray has prepared a one page bio of Charles Reilley for publication in the "Electrochemical Dictionary" to be published in 2007 by Springer, edited by Al Bard, George Inzelt and Fritz Scholz.

Our interest in the memoirs is SEAC's history, as the Society for Electroanalytical Chemistry was formed after Charles Reilley's death for the purpose of honoring his name with an award series, and arranged for the award to be presented at the Pittcon analytical chemistry conference

annually. This has proved to be a significant award in the field of electrochemistry-- four awardees are NAS members.

For that reason the Reilley memoir has broader interest. We obtained permission to put a link on the SEAC website (or in a Newsletter) to the electronic copy of the memoir for posting by the society.

Our site is (basically) an information-sharing site now, but most members by this time may not know who Reilley was so this is scientifically and historically good step.

You could link to it directly at:

<http://books.nap.edu/html/biomems/creilley.pdf>

Anyone clicking on the link would be able to open the pdf.

The information has been posted on the SEAC website as historical info.



## Simulating Electrochemical Reactions with Mathematica

**Michael J. Honeychurch** (Paperback-2005)  
School of Molecular and Microbial Sciences  
University of Queensland QLD 4072  
Australia; M.Honeychurch(at)uq.edu.au

**Mike wondered if we could link to <http://electroanalytical.org/books.htm> webpage?**



***The following information came from Jack Harrar:***

Some of the oldtimers in electroanalytical chemistry may remember the modular operational amplifiers from the George A. Philbrick Company, Inc. They were the first ones that were commercially available. In the 1950s, and during the late 1950s and 1960s, there was a flurry of interest in these op amps as building blocks in chemical instrumentation.

I recently "discovered" the existence of a web archive [www.philbrickarchive.org](http://www.philbrickarchive.org) devoted to the history of these op amps. It has a compilation and links to Philbrick literature and other material.



"The Handbook of Electrochemistry", is now in press. The Elsevier site for the book is listed below

<http://www.elsevier.com/wps/find/bookdescription.editors/710222/description#description>

**Cynthia G. Zoski**, Associate Professor of Chemistry, Department of Chemistry and Biochemistry  
New Mexico State University MSC 3C; P.O. Box 30001 Las Cruces, NM 88003-8001

# -Meetings.... Meetings....Meetings

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## Leadership in Scientific and Technical Organizations: A Critical Skill for Advancement and Success

The Symposium was held at the ACS National meeting in San Francisco on September 12, 2006

9:00 AM-11:30 AM Marriott -- Pacific Room J, Oral

### Organizer:

**Herbert Silverman**, Retired

9:00 AM

Developing the Leader in Graduate Students

**Megan E. Bourg**, Graduate Student University of California, Irvine

9:30 AM

Assessing leadership through interviews

**James D. Burke**, Chair ACS Board of Directors

10:00 AM

Leading from a company of one

**Lisa M. Balbes**, President, Balbes Consultants

10:30 AM

Leading professional and institutional change through subversion, revolution, and meteorology

**Debra R. Rolison**, Surface Chemistry Branch, Naval Research Laboratory,

11:00 AM

You can never not lead: Styles, skills and responsibilities in a large organization

**William F. Carroll**, ACS, ACS 2005 President, 1155-16th St. NW,

Washington, DC 20036

*As Herb Silverman put it: " In this time of increasing global technical stress scientists and engineers need to step out and take an active role in stimulating innovation, new concepts and ideas. New research concepts, new developments are all the result of some person or persons taking on the leadership to stimulate the work. The talks will focus on examples of leadership in technical organizations.*

*The speakers were selected because of their demonstrated leadership skills and to represent a diversified spectrum of experience. They include a former President of the ACS, the present Chair of the ACS Board of Directors, our own Debby Rollins famous for her fight for equal opportunity for women on science faculties, among others."*--

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-----**Electrochemistry Gordon Conference**-----

was held January 14-19, 2006 in the  
Crowne Plaza, Ventura, CA

The Chair was Carol Korzeniowski

Vice Chair was Viola Birss who will be putting together the  
conference program for next (2008) year.

Here is the link to the 2007 conference program that appears on the GRC web site:

<http://www.grc.org/programs/2007/elecchem.htm>

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Did you know that The GRC has limited funds available through the Carl Storm Underrepresented Minority Fellowship program to support the participation of eligible minority students, faculty and scientists at Gordon Research Conferences? Please follow this link-<<https://www.grc.org/csf/CSF1.asp?id=1089952>> `to learn more about, and apply for this program. (In some cases, the above link may not work. If you have trouble please copy and paste the following link into your web browser <https://www.grc.org/csf/CSF1.asp?id=1089952>).

~~~~~  
The following program was sent to us from India. The meeting took place in  
Mumbai:

**TECHNICAL PROGRAM of DM-BNFL-2006, Sept. 24-25,  
2006**

**INVITED TALKS**

**PLENARY LECTURE**

**1. Juan M. Feliu (Dr), Instituto de Electroquímica, Universidad de Alicante,  
Alicante, España-Spain**

**Surface characterization of platinum nanoparticles and electrocatalytic reactivity**

**Biosensors**

**1. Marek Trojanowicz (Dr), Poland**

**Electrochemical chiral sensors and biosensors**

**2. Brian Birch (Prof.), LIRANS, University of Luton, UK**

**Biosensors - principles and their future role in society**

**3. Jean-Louis MARTY (Dr), Université de Perpignan. Perpignan, France**

**The detection of bacterial toxin using electrochemical enzyme sensor and immunosensor.**

**4. Higgins Simon J. (Dr), University of Liverpool, Dept. of Chemistry, UK**  
**Novel polythiophenes for biosensing**

**5. Katakly Ritu (Dr), UK**  
**Biomimetic Sensing: Is this the way forward?**

**6. Deore Bhavana (Dr), University of Manitoba, Canada**  
**Role of functionalized conducting polymers in biosensors**

**7. Chee-Seng Toh (Dr), Department of Chemistry, National University of Singapore, Singapore 117543**  
**A membrane approach to electrochemical immunosensing**

### *Panel Discussion on Biosensors*

#### Nano- Materials

**1. Francesco Paolucci (Dr), + Wife, University of Bologna, Bologna, Italy**  
**Electrochemical properties of SWNT-based nano hybrids in solution**

**2. Marek Trojanowicz (Dr), Poland**  
**Analytical applications of carbon nanotubes**

**3. Fwu-Shan Sheu (Dr), Department of Biological Sciences and The University Scholars Program, National University of Singapore, Singapore**  
**Carbon nanotube as electrochemical sensor**

**4. Shibli S.M.A. (Dr), University of Kerala, Kerala, India**  
**Application of nano composites for improvement of metallic coatings**

### *Panel Discussion on Nanomaterials*

#### Fuel Cells

**1. Shukla A.K. (Prof.), Director, CECRI, Karaikudi**  
**Research and development of hydrogen-based fuel cells at CECRI-Karaikudi**

**2. Dr. R.N. Basu, Central Glass and Ceramic Research Institute, Kolkata**

**3. Bharadwaj Shyamala Dr (Mrs.), Chemistry Division, BARC, Mumbai**  
**Electrochemical studies on intermediate temperature solid oxide fuel cells**

*Panel Discussion on Fuel Cells*

Ionic Liquids

**1. Frank Endres (Prof. Dr.), Clausthal University of Technology, Clausthal-Zellerfeld, Germany**

**Peculiarities of electrodeposition in ionic liquids**

**2. Carita Kvarnstrom (Dr), Finland**

**Electrosynthesis and characterization of conducting polymers in ionic liquids**

**3. Sekhon S.S. (Prof.), Guru Nanak Dev University, Amritsar**

**Development of polymer electrolyte membranes containing room temperature ionic liquids**

*Panel Discussion on Ionic Liquids*

Topics to be received from:

**S. Sampath (Dr), Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore**

~~~~~

Dr Suresh K. Aggarwal
Chairman, Organising Committee 11th ISMAS-WS2004
Head, Mass Spectrometry Section
Scientific Officer SO(H+)
President, ISMAS and President, ISEAC
(Indian Society for Mass Spectrometry) and
(Indian Society for Electroanalytical Chemistry)
Fuel Chemistry Division
Bhabha Atomic Research Centre
Trombay, Mumbai 400 085, India



**The 11th
International
Conference on
ElectroAnalysis
*ESEAC 2006***

*Medieval Château de Vayres
overlooking the Dordogne river.*

The 11th ESEAC conference was held from 11th to 15th June 2006 at the National Engineering School for Chemistry and Physics on the campus of the **University of Bordeaux in the Southwest of France**.

For the first time this important meeting, which was organized under the auspices of the European Society for ElectroAnalytical Chemistry, took place in France after having toured in many European countries (Ireland, Finland, Spain, Netherlands, Italy, UK, Portugal, Germany and Poland). Several societies like the Electrochemical Society, International Society of Electrochemistry, French Chemical Society and French Bioelectrochemistry Group were sponsoring the organisation of the event. Although SEAC has been a partner of the conference only nine American participants made it over the Atlantic to enjoy the nice setting offered by Bordeaux and its surroundings. The conference attracted close to 300 scientists from 35 countries, more or less a record in the history of ESEAC. Obviously France was well represented (50), followed by Spain (30), Germany (22), Ireland (18), Czech Republic (17) and Poland (16).



ESEAC driving force. From left: front row M. Smyth, S. Daniele, A. Ivaska, A. Kuhn, Z. Stojek, J. Barek; back row: C. Brett, P. Tunón Blanco, J. Wang, D. Leech.

The programme, put together by the international scientific committee (F. Anson, J. Barek, P.N. Bartlett, C. Brett, H. Girault, J. Heinze, A. Ivaska, D. Mandler, J.M. Pingarron, M. Smyth, Z. Stojek, P. Ugo, J. Wang, H.S. White) chaired by Christian Amatore, was focused on four major topics: Bioelectroanalysis, Miniaturized Analytical Systems, Applied Aspects of Electroanalysis and Frontier Techniques.

In order to illustrate these different aspects prominent speakers were invited to deliver plenary lectures. In his opening lecture on Monday Charles Martin (University of Florida, Gainesville) gave an exciting overview of his recent work combining bioanalytical chemistry and nanoscience, on Tuesday morning Emmanuel Delamarche (IBM Zürich) described fascinating new perspectives for electroanalytical chemistry through the integration of microfluidics in ultraminiaturized assays, Wednesday morning Adam Heller (University of Texas, Austin) demonstrated in his brilliant talk how fundamental electrochemical research can progress hand in hand with the development of commercial

devices that help millions of people in daily life to manage their diabetes problem, and last but not least Marco Mascini showed on Thursday morning very convincingly the promising applications of aptamers in diagnostic and therapeutic tools. Before leaving for the vineyard excursion on Wednesday afternoon a special lecture was given by the non-electrochemist, but nevertheless famous Denis Dubourdieu in order to introduce the participants into the chemistry and other secrets hidden behind the taste of Bordeaux wine.



The Scientific Committee and speakers at Château Cheval Blanc: from left A. Heller, I. Ivaska, J. Wang (front row), S. Arbault (back row), D.Mandler (front row), F.Anson (back row), C.Brett (front row), J. Barek (front row), R. Anson (back row), J. Pingarron (front row), O. Ivaska (front row) , Z.Stojek (back row), C. Amatore (front row), M. Mascini (front row), H.Girault (back row), A. Brett (front row), T.Kakiuchi.

In addition to these five plenary lectures six keynote lectures (S.Arbault, M.G.Boutelle, L.Gorton, D.Leech, J.Macpherson, J.Rossier) were delivered together with a total of 61 oral and 210 poster presentations. In order to accommodate all these presentations it was necessary to schedule two parallel oral sessions and also two different poster sessions.

The conference has revealed once again, as also underlined by Fred Anson as the Honorary President of the event in his opening remarks, that electroanalysis has undergone in the past few decades an impressive evolution, making it today a field of research playing a key role in various disciplines ranging from life science to material

science. Organized for the first time in 1986 in Dublin, ESEAC celebrated this year its 20th anniversary and one could think that it's getting "old". Instead there is still this refreshing young spirit among the participants, actually also testified by the fact that more than half of them were students or junior scientists, meaning that our community is well prepared for a bright future. In order to further encourage this younger generation of electroanalytical chemists the organizers decided to set-up for the first time the ESEAC Young Investigator Award. This prize has been sponsored by the electrochemistry section of the French Chemical Society and was awarded by an independent jury to Valentin Mirceski (Macedonia) for his theoretical and experimental work in the field of electroanalysis.

"Family" picture at the Château de Vayres



Finally what will be probably most remembered by the participants are not the individual scientific presentations, but their overall very high quality. Another hopefully long-lasting souvenir will be the wine tasting tour organized in some of the most prestigious châteaux of the Saint-Emilion area (Cheval Blanc, Canon La Gaffelière, La Tour Figeac....) and also the magic science show and gala dinner in the medieval Château de Vayres. The most exciting experience of the whole week however, at least for the organizers, was the several hours lasting electrical power black out on the first day that definitely proved that electrochemists need electrons, no matter what they do.

Scientific impressions of the event will be documented in the ESEAC 2006 special issue that is published in one of the next editions of ELECTROANALYSIS, other impressions can be found in the photo gallery on the webpage (<http://eseac2006.fontismedia.com>).

The next conference in this series will be organized in June 2008 in Prague (<http://www.eseac2008.drasar.com/>) and the organizers look forward to welcome a lot of SEAC members among the participants.

Alexander Kuhn, Bordeaux
Chairman of the Organizing Committee

~~~~~  
**Joe Wang confirmed the publication date of the Special Conference Issue of Electroanalysis:** Electroanalysis Special Issue of the ESEAC Meeting in Bordeaux (Dec. 06); as we do every 2 years (including Krakow);  
BEST!  
Joe

~~~~~  
JOBS -JOBS -JOBS

~~~~~  
POSITION: Supervisor of Analytical Services,  
Location: Bloomfield, CT  
REPORTS TO: Department Head, Metallurgy Service Lab  
International manufacturer of custom engineered, high precision, plastic and metal components. They produce sophisticated components for automotive, electronics, medical device and industrial marketplaces. Candidate will maintain complete supervisory responsibility for the mechanical and chemical testing functions of the Metallurgical Services Laboratory.  
RESPONSIBILITIES:  
Supervise technicians responsible for mechanical testing and chemical testing insuring that all company policies are followed.  
Develop chemical analysis techniques for new alloys  
Develop various test methods to support manufacturing activities.  
Review existing analytical procedures for areas of continuous improvement such as reduction in cycle time, improved through put, improved accuracy, better work flow, reduced paperwork, etc.  
Prepare all material Certificates of Certification in a timely manner for all customer shipments.  
Maintain all test equipment at the highest level of functionality.  
Attend, or designate a technician to attend, the Production Scheduling Meetings.  
Insure compliance with all ISO/FDA regulations.  
Develop and maintain a Laboratory Information Management System (LIMS) compatible with existing MRP, customer certification requirements and ISO/FDA mandates.  
REQUIREMENTS:  
Two (2) years experience in the operation of materials testing laboratory equipment, including some supervisory experience. Proficiency in the operation of all lab equipment; current test equipment includes XRF, ICAP, hardness, and multiple sized Instrons. Ability to operate and maintain all mechanical testing machines and microhardness testers. Ability to operate and maintain all chemical analytical equipment.  
EDUCATION: B.S. degree in Chemistry or an equivalent discipline.  
COMPENSATION: Competitive base salary commensurate with experience plus bonus.  
Please email resume to: Judy Gallagher , Empire International [JGallagherEmpire\(at\)aol.com](mailto:JGallagherEmpire@aol.com) 610-647-7976 (office) 610-247-3720 (cell)

# e- mail - you wrote

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*Irv Shain's name in the June 2006 issue of the Newsletter under –SEAC (renewing) Members-caught the readers' eye. Prof. Royce Murray sent this note:*

**“Irv Shain is a new member??? That deserves an interview! Do you know who he is? Try CV. (RWM)**

*Renewing and a member!*

~~~~~  
This last two issues of **BASi Electrochemistry newsletter** are available on-line at <http://www.bioanalytical.com/info/newsletter/EC/> and include:

: BASi Electrochemistry at upcoming scientific meetings; New BASi Electrochemistry application notes on-line; Cyclic Voltammetry 1 - What is a “reversible” process?; Effect of hydrogen bonding on the redox potential of metal-bound ligands.

Academic discount or free DigiSim with **epsilon** systems; BASi at the ACS and BCCE meetings; BASi Electrochemistry application notes on-line; Annual Workshop on Electrochemical Measurements at Case Western; Fitting experimental data using DigiSim simulation software

Anna,

Here are two military men who had just been drinking beer in Belgium while also discussing bioelectrochemistry with our hired driver and exceptional tour guide Jean-Michel Kauffmann. Candice Kissinger was there to keep order as a chaperone. In this photo Joe had just put his shirt back on after showing Sam Kissinger his scars from battles past. We had to ask Joe to restore his shirt to protect us from rioting French girls.



This from Pete Kissnger. Pete helped as always: Why not help Anna out so she can print all the news that is unfit to print? Pete

Report on the ESEAC: there were about 300 participants at ESEAC. ESEAC is much less formal than we are - no dues...yet they get 300 to a meeting. Go figure.
Pete

~~~~~

*The responses following an announcement that* The ACS Division of Analytical Chemistry teams up with Pittcon:

Hi Ana:

I went through the Pittcon topics and couldn't find electroanalysis. Is it in fact hidden in some general subjects while other analytical approaches are blown up. Right? (ZS)

~~~~~

This sounds so sensible. (CK)

~~~~~

*Then there was mail in response to our efforts to get more members:*

A new name could help

Single Electrons Are Cool

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The always vigilant SEAC president Andy Ewing caught a mistake in the last issue of the Newsletter which we corrected fast:

Hi Anna,  
One thing I noticed right away. Mark Wightman is not the 1st Adams Award winner. He refused to be nominated the first year and Ed Yeung was the winner. So, technically, Mark is the 2nd Adams award winner.  
Andy

---

Pine Research Instrumentation Pine Research Instrumentation <pine\_ecs\_cancun@bellsouth.net  
5908 Triangle Drive Ceramic Patterned Electrodes - Fresh from the Kiln  
Raleigh, NC 27617  
<http://www.pineinst.com/echem>



Discover Gold  
(or Platinum)  
at the [Cancun ECS Meeting !!](#)

[Pine Research Instrumentation](#) is pleased to introduce our new line of rugged Ceramic Patterned Electrodes.

- Each Patterned Electrode is a complete three-electrode

- cell with Ag/AgCl reference.
- Perfect for High Temperature applications.
- 100% Compatible with our Student-Proof Disposable Voltammetry cell.

***And then there is our daily life..... Happy Valentines Day.***

~~~~~  
~~~~~  
*Thanks to Jon Howell, Ingrid Fritsch and Andy Ewing who helped put this issue together. Thanks to Herb Silverman and Pete Kissinger for their contributions.*  
~~~~~

Send your news and comments to: [atoth\(at\)chem.ufl.edu](mailto:atoth(at)chem.ufl.edu).