

# SEAC *communications*

Volume 24, Number 1, February 2008

## Editor

### ***Anna Brajter-Toth***

Department of Chemistry  
University of Florida  
Gainesville, FL 32611-7200  
atoth(at)chem.ufl.edu

## Associate Editor

### ***J. Faye Rubinson***

Department of Chemistry  
Georgetown University  
Washington, DC 20057-1227  
jfr(at)georgetown.edu

## Regional Editors

### ***Alan Bond***

Professor Alan M. Bond  
School of Chemistry  
Monash University  
Victoria 3800 Australia  
a.bond(at)sci.monash.edu.au

### ***Karl Cammann***

Westfälische Wilhelms Universität  
D-4400 Münster, Germany  
Cammann(at)uni-muenster.de

### ***Yoshio Umezawa***

University of Tokyo  
Tokyo (Hongo) 113 Japan  
Umezawa(at)chem.s.u-tokyo.ac.jp

## SEAC Web Editor

### ***Samuel Kounaves***

Department of Chemistry  
Tufts University  
Medford, MA 02155  
samuel.kounaves(at)tufts.edu



The Society for Electroanalytical Chemistry - 111 Loren Place, West Lafayette, IN 47906

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



PITTCON, 2008  
March 2-March 7, 2008  
New Orleans, LA



## President's Message – Sue Lunte

First, I want to congratulate this year's SEAC award winners Hector Abruña and Shelley Minter. A very exciting symposium has been planned that includes two former C.N. Reilley Award winners, Henry White and Christian Amatore, as well as Johna Leddy, who is not only an excellent scientist but has been a mainstay at the treasurer position in SEAC for the last six years.



Please plan to join us at the SEAC reception and dinner on Tuesday night to honor Tito and Shelley and their contributions to electroanalysis. The SEAC membership meeting follows the C.N. Reilley symposium on Wednesday and I encourage all of you to attend.

The election results have also just come in! We are very pleased that Dick Durst is our new president elect and we look forward to working with him over the coming year. We also welcome new board members Kathy Ayers, Dan Feldheim and Jean-Michel Kauffmann. Jon Howell and Johna Leddy will continue in their positions of secretary and treasurer respectively. We are fortunate that they both opted for another year of service. In addition to the officers announced above, SEAC has many dedicated volunteers without whom the program at Pittcon would not be possible. It is critical that we not only maintain our current members but continue to bring new young electrochemists into the organization. I know Andy Ewing saw this as an important goal in his tenure as president, and I would like to continue that mission. Please spread the news about SEAC to all the electrochemists that you know and encourage them to join.

### IN THIS ISSUE:

President's Message

SEAC at Pittcon

Reilley and Young Investigator Awards

SEAC Reception and Awards Dinner

BOD and Annual Meetings

Other Symposia of "Potential" interest

Election Results

Member News

News from Nigeria – Modupe Ogunlesi

Reminder: Renew your Membership

Please update your member info

New members

Goings and comings and other member notes

Considering a donation?

Upcoming meetings

Student members can join for free their first year. In addition to recruiting new members and keeping the old, I encourage the younger SEAC members to get involved in the organization by running for the board of directors or helping out with a committee. You are the future of SEAC and we welcome your involvement.

If you have not had a chance to pay your dues yet, please do so. Your dues help pay for the reception and the mailings associated with SEAC. For those of you who have been members for a while, there are numerous tax-deductible opportunities to increase your level of commitment to SEAC. These are published in the newsletter and are a great way to support the organization and ensure its long-term success.

Finally, based on some recommendations from board members, I hope to implement a plan for a smoother transition between new and old committee chairs and officers this year. This would include developing “survival guides” that provide a job description and deadlines for each of the positions. I would also like to get the new chairs working with the outgoing chairs before their term expires so they can gain some experience with the procedures involved.

Again, congratulations to the C.N. Reilley Award winners, and I look forward to seeing you all in New Orleans!

Sincerely  
Susan Lunte

## SEAC AT PITTCON

### Reilley and Young Investigator Awards Pittcon, 2008

This year’s Charles N. Reilley Award in Electroanalytical Chemistry will be presented to Hector (Tito) Abruña and the Young Investigator Award will be presented to Shelley Minter.



Tito Abruña, the 2008 Charles N. Reilley Awardee, in a lighter moment in Costa Rica.

The awards will be presented during the Awards Symposium to be held Wednesday, March 5<sup>th</sup>, 1:30-5 PM, Room 276 of the Morial Convention Center.

In addition to formal presentation of the awards by Professor Christian Amatore, Ecole Normale Supérieure, the symposium organizer, the symposium includes the following talks:

Hector Abruña – “Nanometric Building Blocks and Devices”

Henry White – “Electrostatic Gating at Glass Nanopore Electrodes”

Shelley Minter – “Bioelectrocatalysis for Biofuel Cells and Biosensors”

Johna Leddy – “Magnetic Fields at Electrodes”

Christian Amatore – “Seeing Electrons Hopping through Molecules”



Shelley Minter, the 2008 Young Investigator Awardee, on a recent trip with her students in Hawaii.

### SEAC Reception

The Reception for Reilley Awardee Hector Abruna and Young Investigator Shelley Minter will be held on Tuesday, 4 March 2008 from 5:30 to 7:00 p.m. at Bacco Restaurant in the Skylight Room, 310 Rue Chartres, New Orleans, LA 70130. The reception is open to all. Reservations are not necessary. Hors d'oeuvres will be provided with a cash bar.

## **Awards Dinner**

The Reilley Award dinner in honor of Profs. Abruna and Minter will be held at Bacco Restaurant in the Courtyard Room, 310 Rue Chartres, New Orleans, LA 7013, Tuesday evening, 4 March 2008, from 7:00 p.m.- 9:30 p.m., immediately following the SEAC Reception. The dinner is open to members and guests, but advance reservations are required. For reservations, please contact SEAC Activities Chair, Robin McCarley of Louisiana State University, by **February 19** via electronic mail at [tunnel@lsu.edu](mailto:tunnel@lsu.edu). Payment is by check or cash; the projected cost is \$60 (includes tax and tip, drinks extra). More information about the Bacco Restaurant can be found at <http://www.bacco.com>.

The Charles N Reilley Award is given in memory of one of the most distinguished analytical chemists of the 20th century. Reilley's interests were both fundamental and broad; he made seminal contributions not only to electroanalysis, but also 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 award. A biography of Charles N. Reilley, by Royce Murray, is available at: <http://newton.nap.edu/html/biomems/creilley.pdf>.

Once again, SEAC acknowledges support of the Charles N. Reilley Award by BAS, Inc and the Young Investigator award by Cypress Systems. Information on the awards and the nomination process can be found on the SEAC website.

## **Board of Directors Meeting and Annual SEAC General Meeting**

The SEAC Board of Directors Meeting will occur Tuesday, March 4, 2008 from approximately 11:45 am to 1:15 pm at Pittcon in Meeting Room R01 on the second floor of the Morial Convention Center. 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 Sue Lunte, SEAC President ([slunte@ku.edu](mailto:slunte@ku.edu)) so they may be addressed during the Board Meeting.

The Annual SEAC Membership Meeting is Wednesday afternoon, March 5, 2008 immediately following the Reilley Award symposium and in the same room (4:30, Meeting Room 276 of the Morial Convention Center). 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.

## **Other PITTCON Symposia of "Potential" interest - Sessions, organizers, times and places**

In addition to the Reilley Symposium and the SEAC Contributed session, a number of SEAC members are organizers of other symposia at this year's PITTCON.

"Bioanalytical Electrochemistry I" (Mehjabin Kathiwala), Sunday, 1-4 PM, Room 263

"SEAC Organized Session on Electrochemistry" (Stephen G. Weber), Monday, 8:30-11:30 AM, Room 245

"Bioanalytical Electrochemistry II" (Eduard Rogatsky), Monday, 8:30-11:30 AM, Room 260

"Ionophore-based Chemical Sensors" (Eric Bakker, Philippe Buhlmann, Erno Pretsch), Monday 8:30-11:30 AM and 1:30-4:30, Room 271

"Neurochemistry I," (Rose Ann Clark), Monday and Tuesday, 1:30-4:30, Room 260

"Neurochemistry" Poster Session, Tuesday, (Authors present 9:30-11:30), Exposition Hall Floor – Hall C, Aisles 3000-3400

"Bioelectrochemistry"(Jack Driscoll), Tuesday, 8:30-11:30 AM, Room 264

"Electrochemistry," "Electrochemical Sensors," and "Neurochemistry" Poster Sessions, Tuesday (Authors present 9:30-11:30 M), Exposition Hall Floor – Hall C, Aisles 3000-3400

"Art, Cosmetics and Medicine in Ancient Eras: The Analytical Chemist's View" (Christian Amatore), Tuesday 8:30-11:30, Room 255

"Electrochemical Detection: Small is Beautiful" (Stephen G. Weber), Tuesday, 1:30-4:30 PM, Room 267

"Neurochemistry II," (Julie Stenken), Tuesday, 1:30-4:30, Room 260

"Fluidics at the Nanoscale Pores, Pipettes and Channels" (Lane Baker/Stephen Jacobson), Tuesday 1:30-4:30, Room 265 and Wednesday, 8:30-11:30, Room 271

"Electrochemistry: Environment and Materials," (Justyna Wiedemair) Wednesday 8:30-11:30 AM, Room 264

"Chemical Sensors for Cellular Messengers Come of Age," (Andrew Ewing), Wednesday 1:30-3:30 PM, Room 272

"Electrochemical Biosensors" Poster Session, Thursday (Authors present 9:30-11:30 AM), exposition Hall Floor – Hall C, Aisles 3000-3400

"Neurochemical Monitoring: New Electrode Materials and Measurement Methodologies" (Greg Swain), Thursday, 8:30-11:30 AM, Room 244

Presentations will address some of the recent advances in electrode materials and measurement methods with a particular focus on their use in peripheral nervous system studies. The focus will be on the measurement of two neurotransmitters: nitric oxide and serotonin.

"Electrochemical Biosensors" (Li Sun), Thursday 8:30-11:30 AM

## **ELECTION RESULTS**

The results of the election are in. Congratulations to the newly elected and re-elected Officers and board members. The election was very close with a voter turnout of approximately 22%. Thank you to all of our candidates.

### **Officers**

President Elect - Dick Durst  
Secretary - Jon Howell  
Treasurer - Johna Leddy

## **Board Members**

The new Board Members will serve from July 1, 2008 to June 30, 2013, and are:

Kathy Ayers

Dan Feldheim

Jean-Michel Kauffmann

## **MEMBER NEWS**

### **NEWS FROM NIGERIA - Modupe Ogunlesi**

SEAC Member Modupe Ogunlesi has recently been appointed Deputy Vice - Chancellor of Academic & Research at the University of Lagos, Lagos, Nigeria. Her term, which began in November, will extend for two years. She is the first female to be appointed to this position in the 45-year history of the University of Lagos. Professor Modupe's interests are in the area of electrochemical investigation of proteins.

### **REMINDER – Dues Payment**

Payment for 2008 yearly SEAC membership was due January 1, 2008. If you have not already sent in your 2008 dues, please submit your payment by February 1. An application form and on-line payment is available on the SEAC web site at <http://www.electroanalytical.org/membership.html>.

### **Updates to member info**

A plea from Jon Howell, our Secretary – Please make sure that we have your correct email, address, and other information,. This is very important to make sure that you receive emails from the Society such as election materials. Any changes should be sent to Jon Howell at [jhowell@bioanalytical.com](mailto:jhowell@bioanalytical.com).

#### New Student Members

Xiaomi Xu, University of Pittsburgh

#### New Regular Members

Nathan Wittenberg, University of Minnesota

#### New Lifetime Members

Richard Durst, Cornell University

Andrzej Lewenstam, Abo Akademi University, Finland

### **Goings, Comings and Other Member Notes**

#### Apologies to KATHY Ayers

Kathy Ayers has not changed her name! Kathy has now settled into her new position Manager of Electrochemical Research at Distributed Energy Systems. (Kathy was incorrectly referred to as Karen Ayers in our last newsletter).

### A note from Brenda Shaw:

Hi all,

I miss seeing everyone at conferences. I am still formally on the Faculty in Chemistry at UConn, but am now Faculty Coordinator in the Office of First Year Programs full time. I'm enjoying this new shift in my career, and would love to hear from you at [brenda.shaw@uconn.edu](mailto:brenda.shaw@uconn.edu). Best wishes and Happy New Year! Hope all is well with you.

Brenda

### Marc Porter

Marc Porter recently moved to the University of Utah to become the USTAR Professor of Chemistry.

## CONSIDERING A DONATION?

There are a number of levels at which you can support the activities of SEAC. The categories are:

#### Individual donor levels:

Donors (\$1-149)  
Bronze Donors (\$150-249)  
Silver (\$250-499)  
Gold Donors (\$500-749)  
Reilley Club Members (\$750 and up)

#### Corporate or institutional donor levels:

Bronze Donors (\$250-499)  
Silver Donors (\$500-749)  
Gold Donors (\$750-1249)  
Reilley Club Members (\$1249 and up)

## UPCOMING MEETINGS

### **ECS MEETINGS:**

**2008**, Oct. 12-17, Honolulu, Hawaii ([PRiME 2008: Joint International Meeting](#))

**2009**, May 24-29, San Francisco, California ([215th Meeting](#))

**2009**, Oct. 4-9, Vienna, Austria ([216th Meeting](#))

**2010**, April 25-30, Vancouver, Canada (217th Meeting)

**2010**, Oct. 10-15, Las Vegas, Nevada (218th Meeting)

**2011**, May 1-6, Montreal, Canada (219th Meeting)

**2011**, Oct. 9-14, Boston, MA (220th Meeting)

### **ISE MEETINGS:**

**2008** March 17-19, Foz do Iguaçu, Brazil, ( **6th ISE Spring Meeting** )[More information](#)

**2008** September 7 - 12, Seville, Spain ( **Annual Meeting** ), [More information](#)

**2009** August 16 - 21, Beijing, China ( **Annual Meeting** ), [More information](#)

**2010** 26 September - 1 October, Nice, France ( **Annual Meeting** )

Thank you to our Regional Editors for their contributions to the following list of upcoming meetings.

February 20-22, 2008, 3rd International Electromaterials Science Symposium, Melbourne, Australia, <http://www.electromaterials.edu.au/news/upcomingevents.html>

February 25-29, 2008, Melbourne, Australia ICONN 2008 - 2008 International Conference on Nanoscience and Nanotechnology, <http://www.ausnano.net/iconn2008/>

February 25-28, 2008, Discussion Meet on ElectroAnalytical Techniques and Their Applications, Munnar, India, [www.iseac.org](http://www.iseac.org)

March 10-14, 2008, XVIII Congreso de la Sociedad Iberoamericana de Electroquímica (XVIII Meeting of the Iberoamerican Society of Electrochemistry),  
<http://servicios.udea.edu.co/Congreso2008/>

March 30 – April 2, 2008, 1st International Conference on Functional Nanocoatings, Budapest, Hungary, [www.chemres.hu/nanocoatings](http://www.chemres.hu/nanocoatings)

April 9 -10, 2008, First International (SA-UK Research Network) Workshop on "Electrochemistry for Nanotechnology," Pretoria, South Africa,  
<http://web.up.ac.za/default.asp?ipkCategoryID=5553&subid=5553&ipklookid=11>

April 14, 2008, Wellington, New Zealand, Alan MacDiarmid Symposium on Organic Conductors  
<http://www.macdiarmid.ac.nz/events/amsymposium.php>

April 30 – May 3, 2008, 5th Baltic Conference on Electrochemistry, Tartu, Estonia,  
<http://balticconference.ut.ee/>

May 4-8, 2008, 1st Regional Symposium on Electrochemistry of South-East Europe, Crveniotok/Rovinj/Istra, Croatia, <http://www.rse-see.net>

May 11-14, 2008 Taipei, Taiwan, ACEC 2008, 6th Asian Conference on Electrochemistry,  
<http://www.acec2008.org/>

May 14-16, 2008, Shanghai, China, 10th World Congress on Biosensors , <http://www.biosensors-congress.elsevier.com/>

June 15-19, 2008, Brisbane, Australia, 17th World Hydrogen Energy Conference,  
<http://www.whec2008.com/>

June 22-25, 2008, Wollongong, Australia, Asia Pacific Symposium on NanoBionics.  
<http://www.electromaterials.edu.au/news/upcomingevents.html>

July 7-9, 2008, Faraday Discussion 140: Electrocatalysis - Theory and Experiment at the Interface  
Date: Location: Southampton, UK, [www.rsc.org/FD140](http://www.rsc.org/FD140)

July 27 - August 1, 2008, Sydney, Australia, IPS17 - 17th International Conference on Photochemical Conversion and Storage of Solar Energy, <http://www.ips17.com>

July 9-11, 2008, 1st International Symposium on Electrochemistry, Bellville, South Africa  
<http://associated.sun.ac.za/UWC/ElectroChemSA>

June 25-27, 2008, 4th Gerischer-Symposium, Berlin, Germany, [www.uni-ulm.de/ge-symp](http://www.uni-ulm.de/ge-symp)

July 27 -August 1, 2008, Gordon Research Conference on Electrodeposition, New London, NH, USA, <http://www.grc.org/programs.aspx?year=2008&program=elecdep>

August 5–7, 2008, Regional Electrochemistry Meeting of South-East Asia, Singapore, Singapore, [Chee-Seng Toh](http://www.chee-seng-toh.com)

August 24 – 28, 2008, 8th European Symposium on Electrochemical Engineering, Prague, Czech Republic, [www.chisa.cz/2008/](http://www.chisa.cz/2008/)

August 28-September 5, 2008, 11th International Symposium on Polymer Electrolytes, Ofir, Portugal, : [www.ispe2008.org](http://www.ispe2008.org)

September 15-18, 2008, International Symposium on Electrochemical Micro & Nano Systems Technology, Ein-Gedi, Israel, <http://materials2.technion.ac.il/EMNT2008/>

October 6-8, 2008, Electrochemistry: Crossing boundaries, São Paulo, Brazil,  
[www.qdch.de/electrochemistry2008](http://www.qdch.de/electrochemistry2008)

November 16-19, 2008, Wellington, New Zealand, Corrosion and Prevention 2008,  
<http://www.corrosion.com.au/home/events/conferences.aspx>

November 2008, Electrochemically active biofilms: from fundamentals to microbial power plants, Brussels, Belgium, <http://inpact.inp-toulouse.fr/workshopEAB08>

December 10-12, 2008, Fundamentals and Development of Fuel Cells 2008, Brussels, Belgium,  
[www.fdfc08.ciril.fr](http://www.fdfc08.ciril.fr)

February 8-12, 2009, Dunedin, New Zealand, MN-4: Conference on Advanced Materials and Nanotechnology, <http://www.macdiarmid.ac.nz/events.php>

September 6-10, 2009, EUROCORR'2009, Giessen, Germany, <http://www.cefracor.org/>



Another meeting of possible interest:

The Eastern Analytical Symposium, November 17-20, 2008, will (for the first time in several years) include a session on electrochemistry organized by Faye Rubinson (jfr@georgetown.edu). Invited speakers include: Art Janata, Shelli Minter, Jim Rusling, Jim Burgess, and Omuwunmi Sadik. There will also be contributed sessions and a poster session which will be included in the program if there is sufficient interest. Please keep an eye out for information at <http://www.eas.org/>