

SEAC communications

President's Message

Well, SEAC'ers, el presidente has finally found the entrance ramp to the Information Superhighway but hasn't quite got up to speed for a safe merge with the supertraffic. There are so many wonderful possibilities in this brave new electronic world and it's hard to know where to begin. Electronic mail, on-line searching of abstracts, and electronic submission of papers and proposals are well established, but now we have CD-ROM versions of journals, incredibly rapid information transfer and lots more. After much procrastination, I finally got an ethernet connection and found to my amazement that I could download a colleague's manuscript in less than a second. If I could only write the stuff so quickly!

A product that I have found valuable over the last few years is Current Contents on Diskette (now available on CD-ROM). Titles and keywords are fully searchable and the coverage is quite comprehensive. Nevertheless, "Current" is sometimes a misnomer with titles appearing in CC months after publication. Timeliness is likely to become a bigger issue as other services begin to make the information available more promptly.

I hope that you have been playing with CD-ROM versions of journals. *The Journal of Biological Chemistry* has been available for some time now and the ACS journals have joined the trend. A really neat new feature of STN's service is CJACS Plus Images, which allows you to examine the entire article, tables, figures, structures, everything — for 23 current ACS journals. You can print the article with your local printer or have STN's computer send you a FAX version. It makes you wonder when the day will come where libraries simply don't maintain hard copies of journals. Hello, electronic stacks!

I'm a johnnie-come-lately in the Electronic Bulletin Board business. Recently, Zoltan Nagy of Argonne Lab told me about ELETQM-L, an electrochemistry bulletin board available on the Internet. I joined up and now enjoy an occasional browse through the postings, sort of like reading the kiosks on the university mall.

Maybe we should get SEAC communications somewhere out there on this superhighway. How about it, Ed.?

Finally, on a slightly different note (but computers are involved), Steve Feldberg has produced a really neat CV Simulator, DigiSim®. You may have read his (with Rudolph and Reddy) A-page article in *Analytical Chemistry*. There are some other simulation packages out there

next? "Virtual Reality" Voltammetry?

So, we should take our Computational Chemistry Package, our Computer-Controlled Electrochemistry Apparatus, all of our Fourier-Transform Spectrometers, our Digital Simulator, our Nonlinear Regression Parameter Estimator and, before you know it, we can generate results fast enough to create a Super-Traffic Jam on the Information Superhighway. Go for it!

Dennis H. Evans

Editorial

Once again, it has been fairly quiet among the SEAC reporters. I don't know if this is apathy or an indication of overwork. In any case, this issue still contains a few interesting tidbits of information.

As I mentioned fast time, Bill Heineman and Mark Anderson were named recipients of the Reilley and Young Investigator Awards, respectively, for 1995. As yet, I still haven't received biographical information about them from Royce Engstrom, the selection committee chairman (hint!).

Speaking of owing Award information to SEAC Communications, more than a year ago, June 1993 to be exact, I noted that quite a few of the Reilley award winners had neglected to submit remembrances of their illustrious careers as is the unwritten requirement for those receiving that award. Since then, either the Postal Service has hit more than its usual quota of mail or you folks are still ignoring my pleas (of course, I'm used to that). As a further reminder, I have once again listed these scofflaws in this issue. Don't make me play rough (whatever that means)! Also, as I indicated in the previous reminder, I certainly would welcome personal reflections from the Young Investigator Awardees.

Speaking of award winners, I know that everyone joins me in congratulating Fred Anson on his recent receipt of the ACS Division of Analytical Chemistry Award in Electrochemistry. One more to his long list of honors, which includes the prestigious Reilley Award. By the way, Fred, you're one of the Reilley laureates who owes the newsletter a remembrance article.

Congratulations are also due Mark Wightman for receiving the ACS Analytical Division Award in Instrumentation. Both Mark and Fred received their awards at the ACS National Meeting in Washington, DC last August.

An interesting item (among many) appears in the President's Message from Demis Evans. It is the electrochemistry bulletin board, ELETQM-L. I signed on and one of the first messages I came across was from an old friend I hadn't seen or talked to in many years. Of course I responded, and we've since enjoyed catching up on our respective (not necessarily respectable) activities. So it appears that this bulletin board can be both technically and socially useful. As far as Dennis' suggestion of putting the newsletter cut in this form, I think it may be a bit premature. On the other hand, I may use it to request electrochemically relevant items for the newsletter from around the world about people, meetings and technical developments.

[Editorial continued on next page]

Inside...

Treasurer's Report for Fiscal Year '94

ACS Awards in Electrochemistry and
Chemical Instrumentation

Job Opportunity

Membership Application

**The Society for
Electroanalytical
Chemistry**

111 Lorene Place
West Lafayette, IN 47906

Editor:

Dick Durst

Cornell University
Analytical Chemistry Labs
Geneva, NY 14456-0462
Tel: 315/787-2297
Fax: 315/787-2397
E-mail: dick_durst@cornell.edu

Regional Editors:

Alan Bond

La Trobe University
Bundoora, Victoria
Australia 3083

Karl Cammann

Westfälische Wilhelms
Universität
D-4400 Münster, Germany

Yoshio Umezawa

University of Tokyo
Hongo, Tokyo 113
Japan



[Editorial, cont.]

You may remember that in the last issue I initiated the Helpful Hits column by requesting information on the source of conducting epoxy. I'm happy to report that almost immediately, I received three responses (two electronic and one regular mail) with the information I needed. Thanks to **Chuck Hussey** (Ole Miss), Paul **Pantano** (currently on a postdoc in Paris), and Cuindong **Huang** (UConn) for their prompt replies.

Finally, I just realized that this year marks the 10th anniversary of the SEAC newsletter. Many thanks go out to **Bioanalytical Systems** (especially Pete Kissinger, Cathy Proffitt, and most recently, Ann Tyler) for their considerable efforts in assisting me in publishing this newsletter. Thanks also to the present and former SEAC Presidents for their timely messages and to **Bill Geiger** who served as the first 'official' editor and got us off to a great flying start. Actually, the first three issues of the newsletter in 1984 were published at the University of Cincinnati, so I assume the anonymous editor was **Bill Heineman** and he certainly should stand up and take a bow also.

Have a great autumn, and please keep me posted on new developments concerning SEAC people and any activities of interest

Dick Durst

Treasurer's Report

SOCIETY FOR ELECTROANALYTICAL CHEMISTRY
FISCAL YEAR 1994, JULY 1, 1993 TO JUNE 30, 1994

In Fiscal Year 1994, the net worth of the Society increased by \$3,284 to \$45,387. The assets of the Society consist of an endowment fund to sustain the Charles N. Reilley award (\$20,790), an endowment fund created from payment of Life Membership Dues (\$12,965), and a working fund (\$11,632). These assets are located in the Lafayette, Indiana branch of NBD Bank. The majority of the Reilley Endowment funds (\$18,592 of \$20,790) exist as a certificate of deposit in this bank. At its 1994 meeting, the SEAC Board of Directors approved transfer of funds in the Life Membership endowment to a higher earning vehicle. The Treasurer's office is evaluating alternatives and will enact this change during the next fiscal year.

The Society operated in the black by \$1,549 during FY '94. The Society presented the Charles N. Reilley Award for the 11th consecutive year and a Young Investigator Award for the second time in 1994. Funds were allocated for production and distribution of a SEAC Membership Directory. A Finance Committee consisting of **Therese Cotton**, **Joe Gordon**, **Bruce Parkinson** and the Treasurer continues to study the long range financial prospects of the Society and reports to the Board of Directors at its annual meeting. At the conclusion of this fiscal year, the office of Treasurer transfers into the hands of **Joe Gordon**.

Respectfully submitted,

Franklin A. Schultz, Treasurer

July 28, 1994

SEAC BALANCE SHEET FOR FISCAL YEAR 1994

Assets		
<i>Account</i>	Budgeted	Actual
Working Fund	\$ 10,083.00	11,632.00
Reilley Endowment		
- NBD Bank/Lafayette, IN	1,949.00	2,198.65
- Certificate of Deposit	19,504.00	18,591.62
Life Membership Endowment	11,815.00	12,964.61
	\$ 43,351.00	45,386.88
Liabilities		
<i>Account</i>	Budgeted	Actual
Membership Expense Payable	\$ 0.00	0.00
Newsletter Payable	0.00	0.00
	\$ 0.00	0.00
Net:	\$ 43,351.00	45,386.88

[Treasurer's Report continued on next page]

ACS Division of Analytical Chemistry Awards

The Award in Electrochemistry, sponsored by the Electrochemical Instruments Division of EG&G Princeton Applied Research, will be presented to Fred C. **Anson**. A professor at California Institute of Technology, **Anson's** interests include the study of electrode processes and electrode reaction kinetics. **Anson** is a past recipient of the ACS Award in Analytical Chemistry, the David C. Grahame Award from the Electrochemical Society, and the C.N. Reilley Award in Electroanalytical Chemistry from the Society for Electroanalytical Chemistry.

R. Mark **Wightman** of the University of North Carolina at Chapel Hill is the recipient of the Award in Chemical Instrumentation, sponsored by the Dow Chemical Company Foundation. **Wightman's** interests include microelectrodes, neurotransmitters, and fast electrochemistry.

(From ACS Division of Analytical chemistry Newsletter, Summer 1994)

New Members

Name	Date	Affiliation
Kevin W. Hathcock	3/14	North Carolina State
Ayoola Oluwatoyin Alabi	3/15	Loyola University
Michelle M. Wilson Poupart	3/16	University of North Carolina
Mark R. Anderson	3/17	Virginia Tech
Ingrid Fritsch-Faules	3/23	University of Arkansas
Mark A. Nighman	3/30	University of Cincinnati
Donald M. Cannon, Jr.	3/31	University of South Dakota
Yuanhua Shao	4/6	University of Pittsburgh
Jian-Ge Chen	4/6	University of Pittsburgh
Chun-Hsien Chen	4/6	University of North Carolina
Jeremy J. Pietron	4/6	University of North Carolina
Robert M. Corn	4/9	University of Wisconsin
Michael Pavlov	4/10	ECl Technology
Paul J. Brendel	4/11	University of Delaware
Chesley Donald Evans	4/11	University of Tennessee
Jeffrey W. Long	4/21	University of North Carolina
Susan G. Yan	4/21	Northwestern University
Roychelle S. Ingram	4/24	University of North Carolina
Merle Corazon S. Regino	5/9	University of Florida
Yury Beylis	Y12	Hoffmann-La Roche Inc.
David Coon	Y25	University of Hawaii
James Cox	5/30	Miami University

Reilley Remembrances

The Good Guys:

In reviewing back issues of the newsletter, I discovered that the last Reilley Award winner to provide an article on his recollections was Royce Murray, the 1988 recipient (see the Nov. 1989 issue). Other winners and their reflections: Ralph Adams (Oct. '85), Fred **Anson** (Oct. '86) and Bob Osteryoung (Oct. '87).

The Hit List (no, I didn't omit a letter):

I am owed recollections from Ted **Kuwana** (Award winner in '89), Jean-Michael **Saveant** ('90), Stanley **Bruckenstein** ('91), Steve **Feldberg** ('92), Dennis Evans ('93) and Barry Miller ('94). It also appears that Al Bard, the first Reilley Award recipient ('84), escaped without providing a reflections article.

SEAC INCOME STATEMENT FOR FISCAL YEAR 1994

Income		
<i>Account</i>	Budgeted	Actual
Interest - Checking	\$ 650.00	774.03
Interest - CD	650.00	764.66
Endowment Contributions	0.00	220.00
Working Fund Contributions	4,900.00	4,938.00
Annual Dues Collected	4,000.00	3,937.50
Life Dues Payments	0.00	750.00
	\$ 10200.00	11,384.19
Expenses		
<i>Account</i>	Budgeted	Actual
Symposium Expense	\$ 3,500.00	2703.75
Reilley Award Expense	3,000.00	3,112.59
Membership Expense	1,700.00	1,160.30
Newsletter Expense	1200.00	1,109.59
Miscellaneous Expense	50.00	14.11
Allocations to Endowments	750.00	1,734.66
	\$ 10200.00	9,835.00
Net:	\$ 0.00	1,549.19

SEAC ANALYSIS OF WORKING FUND BUDGET FOR FISCAL YEAR 1994

Income		
	Budgeted	Actual
<i>Working Fund Contribution</i>		
Pittsburgh Conference stipend	\$ 3500.00	3,500.00
BAS Stipend	1400.00	1,400.00
Miscellaneous	0.00	38.00
	4900.00	4,938.00
<i>Annual Dues Collected</i>	4,000.00	3,937.00
<i>Life Dues Collected</i>	0.00	750.00
<i>Endowment Contributions</i>	0.00	220.00
<i>Interest</i>	1,300.00	1,539.00
Total:	\$ 10200.00	11,384.00
Expenses		
	Budgeted	Actual
<i>Symposium Expense</i>	\$ 3500.00	2704.00
<i>Reilley Award Expense</i>		
Honorarium	1500.00	1,500.00
Award Reception	1250.00	1,076.00
Young Investigator Honorarium	250.00	250.00
Miscellaneous	0.00	287.00
	3,000.00	3,113.00
<i>Membership Expense</i>		
Dues Collection	500.00	60.00
Membership Activities	250.00	691.00
Elections	250.00	211.00
Directory	500.00	164.00
Miscellaneous	200.00	14.00
	1,700.00	1,160.00
<i>Newsletter Expense</i>	1200.00	1,109.59
<i>Allocations to Endowments</i>	750.00	1,734.66
<i>Miscellaneous Expense</i>	50.00	14.00
Total:	\$ 10200.00	9,835.00

Working Fund Balance:

 Unobligated balance on July 1, 1993 = **\$10,083**

Unobligated balance on June 30, 1994 = (610,063 + 11,364 - 9,635) = \$11,632

Job Opportunity

BAS is seeking a salesperson to work with the Electrochemistry Products Division. Minimum requirements are a B.S. or MS. in chemistry or a related field, some sales experience and knowledge of electroanalytical techniques such as polarography or cyclic voltammetry. Having a mechanical or electronic aptitude and familiarity with **Windows™** is also beneficial. The successful candidate must be energetic and a self-starter, have excellent communication skills (written and oral), and have a pleasant and outgoing personality. It is essential that all applicants be eligible to work in the U.S.

BAS Electrochemical Products are sold to industrial, academic and government laboratories worldwide. This position involves both direct customer interaction (correspondence, telemarketing, exhibitions, instrument demonstrations, etc.) and occasional laboratory work (evaluate customer samples, develop short application notes, test prototype equipment, etc.). No phone calls please. Interested applicants should submit a detailed resume including references and salary requirements to:

Mike Scott
 Human Resource Assistant
 Bioanalytical Systems, Inc.
 2701 Kent Avenue
 West Lafayette, IN 47906

BAS is an Equal Opportunity/Affirmative Action Employer

Request for Assistance

I am writing a chapter on "Electrochemical Detection for Biomolecular HPLC and CZF for the Advances in Chromatography series. I will do a CAS search, but I would like any reprints, preprints, or thoughts that anyone might have on the subject, especially dealing with real samples.

Steve Weber
 Department of Chemistry
 University of Pittsburgh
 Pittsburgh, PA 15260

Internet: sweber@vms.cis.pitt.edu