

SEAC

C O M M U N I C A T I O N S

Editor:

Dick Durst
Cornell University
Analytical Chemistry Labs
Geneva, NY 14456-0462
TEL: 315-787-2297
FAX: 315-787-2397
EMAIL: Dick_Durst@qmrelay.mail.cornell.edu

Regional Editors:

Alan Bond
La Trobe University
School of Physical Sciences
Chemistry Department
Bundoora, Victoria
Australia 3083

Karl Cammann
Westfälische Wilhelms
Universität
D-4400 Münster, FDR

Yoshio Umezawa
Hokkaido University
Sapporo 060
Japan

Volume 8, No. 5
June, 1991

President's Message

There is significant information flow from SEAC as a result of our activities at the 1991 Chicago version of the Pittsburgh Conference, as will be amplified elsewhere in this Newsletter. The growth in our awards contemplated last issue has been confirmed by Board actions. The announcement of a SEAC Young Investigator Award to be initiated at the 1993 Conference marks a particularly noteworthy addition to our emphasis on tradition and continuity. Making the new Award Address part of the Reilley Symposium is much in keeping with Charles Reilley's spirit and devotion to education. For 1992 an increase for the dollar amount of the Reilley Award to \$1500 has been authorized as a result of our sound financial picture and the continuing generosity of Pete Kissinger and BAS, Inc., who have programed increasing support of the Award through the next decade.

A further activity advocated strongly by the Board is the issuance of a SEAC Directory. Besides its useful compilation of information, this select listing will obviously be a place for any aspirant to electroanalytical identification. In the process of each member providing the necessary facts for the directory, membership forms and information will also be enclosed to induce those who have so far omitted joining to rectify the error in time to be included.

The Pittsburgh Conference is interested in increasing symposia on topics that SEAC members may wish to propose. Good ideas, accompanied by suggestions for organizers, can still be considered for the 1992 New Orleans Call for Papers which will be mailed out in June. Prompt action is recommended, and the person to reach is Dr. Hyman Schultz of DOE, the Program Chairman (Pittcon number is (412) 8253220).

I will be turning this space over to the incoming President, Royce Murray, for the next Newsletter and I am very pleased that he has found the time to serve SEAC among many pressing responsibilities. My remaining lines go to thank some SEACers especially helpful to me over the last two years: secretary Joe Maloy, the repository of all SEAC knowledge and always available for consultation; treasurer Frank Schultz who has carefully protected and projected our financial future; Pete Kissinger, for continuing to back up his loyalty with deeds; Fred Hawkrige, chairman of the Reilley Award Committee and also thoughtful analyzer of our schedules and meeting needs; Mark Meyerhoff. Activities Committee chairman, patient organizer of our recent successful social functions and the rules for the new award; and Dick Durst, demon editor and enlivenor of this Newsletter. For the many unnamed active contributors to ideas, activities, and symposia, my gratitude as well.

Barry Miller

EDITORIAL

Now that the chill of my first upstate New York winter is leaving my old bones, it's time to hit the word processor keys with another edition of the newsletter.

Recently returned from the Pittsburgh Conference In Chicago, I am slowly recovering from all of the walking between the varlous wings of the Convention Center and around the huge exposition. While trying to maintain a tight schedule to see and do everything possible, I constantly ran into old friends who threw my well-laid plans into a cocked hat. But seeing them was worth a lot more to me than missing a few talks or exhibits. As usual, Steve Weber was doing a yeoman's job at organizing various activities. Although he has given up the job as program chairman, you'd never know from his whirling dervish act at the conference. SEAC certainly owes Steve a vote of thanks for his efforts on our part with Pittcon.

Our thanks also go out to Barry Miller who is stepping down as SEAC President. While certainly less controversial than his predecessor, Pete Kissinger, Barry has nonetheless served our Society very well, and now he can go on to devote more of his busy schedule to the editorship of the *Journal of the Electrochemical Society*. The only question that remains in my mind is what he meant in referring to me in his message as the "demon editor". According to my dictionary, several definitions seem appropriate: 2. a persistently tormenting person (I must admit I have been known to bug peo-

pie for contributions to the newsletter); 4. genius (modesty prevents me from identifying with this definition, no matter how appropriate it might be!); and 5. one who is extremely zealous in a given activity (Hey, what can I say, it's part of the Job.). on the other hand, the first definition, an evfi being, certainly can't apply to me (however, just don't talk to my wife or co-workers).

Royce Murray, on the other hand, has a tlgert by the tail. Not only has he recently assumed the duties as editor of *Analytical Chemistry*, but he now has to contend with the "demon editor" bugging him for the SEAC President's Message. Knowing Royce, however, I doubt he'll have much trouble with this assignment. Also, congratulations are once again due Royce for his upcoming ACS Award in Analytical Chemistry ("Fisher Award") at the ACS meeting in Atlanta (which will probably be history before you get this issue).

Speaking of awards and history, at the Pittsburgh Conference, Stan Bruckenstein received the Reilly Award at the special symposium in his honor arranged by Janet Osteryoung (the program appeared in the last issue of the newsletter). Now don't forget, Stan, it is traditional for the award winner to write a brief "remembrances" article for SEAC Communications. If it is not received in the near future, the "demon" will be after you!

Congratulations to Anna Brajter-Toth, Royce Engstrom, and Bruce Parkinson for their recent election to the SEAC Board of Directors. They will serve from 1991 to 1996 with no possibility of parole.

For those of you with E-mail capabilities, you can send your hot news items to me via that system. Accordingly, my E-mail address is: Dick_Durst@qmrrelay.mail.cornell.edu. Now all I have to do is sit back and wait for the messages to begin pouring in; I can hardly contain my excitement! Don't disappoint me.

Dick Durst

HOT OFF THE PRESS

At its 128th annual meeting in Washington, D.C., the National Academy of Sciences elected Royce W. Murray one of 60 new members. Congratulations, Royce!

SEAC YOUNG INVESTIGATOR AWARD

Beginning in 1993, The Society for Electroanalytical Chemistry (SEAC) will recognize individual scientists in the early stages of their careers who have made outstanding contributions to the field of electroanalytical chemistry. Such recognition will take the form of a yearly SEAC Young Investigator Award. The award will consist of a plaque, a \$250 honorarium, plus some financial assistance for travel to the Pittsburgh Conference. The presentation of the award will be made yearly within the Reilly Award Symposium at the Pittsburgh Conference, and the awardee will be invited to give a talk at this Symposium. Equal consideration will be given to young academic, government, and industrial scientists.

Potential recipients of the SEAC Young Investigator Award must be within 7 years of obtaining their Ph.D. or other terminal degree, and under 35 years of age at the time of nomination. Candidates for the award can be nominated by any member of SEAC. Nominations will be solicited by the SEAC Awards Committee, and must be received by March 15 of each year (beginning in 1992). The nomination packet should include a letter describing the significant contributions made by the candidate, an updated curriculum vitae, and at least one supporting letter. Once nominated, candidates will be considered for a period of three years without renomination, although additional supporting information will be welcome at any time during this period. Nomination files carried over from year to year will automatically be removed from consideration once the candidate reaches the age of 35. All nominating materials should be sent to:

Professor Fred Hawkrkfg
SEAC-Awards Committee
Department of Chemistry
Virginia Commonwealth University
Richmond, VA 26298

TREASURER'S REPORT

March 5, 1991

TO: SEAC Board of Directors

FROM: Frank Schultz, Treasurer
SUBJECT: 1990 Financial Report

Following the practice of previous years, the Treasurer's report contains (i) a financial report of 1990 (ii) analyses of working fund budgets for Fiscal Years 1990 and 1991 and (iii) a proposed working fund budget for FY 1992. In addition, this year's report describes (iv) several changes in fiscal policy, (v) new initiatives made possible by these changes, which the officers bring before the Board for consideration of action and (vi) an approximate fiscal projection through the year 1999.

Society Assets. The net worth of the Society increased by approximately \$3,000 during 1990 and now exceeds \$28,000. The principal asset of the Society is the Reilly Endowment which is now valued at \$16,000. The majority of this asset is held as a single certificate of deposit with Lafayette National Bank valued at \$15,000 and earning 7.9% interest. The certificate was created during 1990 by combining funds from the previous certificate of deposit with Champion Federal Savings (Champaign, IL) and the Society's checking account with LNB. In addition, the Society holds within its LNB checking account an additional \$1,000 of the Reilly Endowment, a Life Membership Endowment of ca. \$8,000 and a working fund balance of ca. \$4,000.

FY90 and 91 Budget Analyses. The working fund budget operated in the red by approximately \$1,000 during FY90. This is attributed to the expensive venue of Pittsburgh Conference (New York City), which resulted in increased symposium expenses, and unanticipated increases in membership expenses. Expenditures in the latter category have been held in check during the first half of FY91. Collection of annual dues remains a problem. Income from this source is constant at ca. \$4,800 per year. Reason for lack of growth is an approximate balance between attraction of new membership versus loss of old and election of Life Membership by a significant number of members (40).

Changes in Fiscal Policy, Future Budget and Projections and Recommendations for Action. Beginning with this fiscal year the policies of allocating one-third of the annual dues payments and the full Interest earned on endowments held within the LNB checking account to the Reilley Endowment have been discontinued. These funds are being directed to the working fund where they may be used for membership activities. In addition, Peter Kissinger has announced that Bioanalytical Systems will increase its SEAC contribution at a minimum rate of 10% per year up to \$2,000 beginning in FY91. With these resources in hand recommendations for several new courses of actions are made to the Board. Mark Meyerhoff will report on the first two of these items.

1. Increase the honorarium for the Reilley Award to \$1,500.

2. Create a Young Investigator Award in Electroanalytical Chemistry. An honorarium of \$250 budgeted for this award.

3. Publish a Membership Directory. Funds of \$500 are allocated to start this project. It is anticipated that the Directory can be made self supporting through paid advertising.

To assess the impact of these changes on Society's fiscal future, a financial analysts through 1999 has been prepared. As part of this projection it is anticipated that the honoraria for the Reilley and Young Investigator Awards will be incremented to \$2,000 and \$500, respectively, and that a dues increase of 33 1/3% will be assessed in FY96. The value of the Reilley Endowment is projected to increase to \$27,000 by 1999, at which time it will be capable of sustaining a \$2,000 annual award from its Interest.

(Editor's note: copies of the full Treasurer's Report, 7 pp., are available from Frank Schultz or Dick Durst)

MINUTES

Meeting of the Membership
New York, New York
March 6, 1990

The meeting was called to order by SEAC President Barry Miller at 5:04

p.m. There were 35 Members and their guests in attendance.

The Minutes of the 1989 Meeting of the Membership which had been published in SEAC Communications were approved as distributed.

The Secretary announced the results of the most recent election. The following individuals have been elected to the offices indicated:

President: Royce W. Murray
Secretary: Joseph T. Maloy
Treasurer: Franklin A. Schultz
Directors: Hector D. Abruna
Therese M. Cotton
Charles R. Martin

Certificates of Appreciation were awarded to retiring SEAC Board Members Henry N. Blount III, Richard P. Buck, and R. Mark Wightman. (Prior to the Meeting similar certificates had been presented to Pittsburgh Conference President Ann E. Cibuias and Pittsburgh Conference Program Chairman Gerst A. Gibbon.)

The Treasurer summarized his Annual Financial Report. The net worth of the Society has been growing steadily and now stands in excess of \$25,000.00. Of this amount, nearly \$15,000.00 has been deposited in the Reilley Award Endowment Fund. Thus, at the prevailing interest rates, we currently have sufficient cash on hand to perpetuate the Award at its current level without having any additional industrial support. In view of the fact that BAS support is quite likely to continue at its current level or more, however, the Treasurer is looking into the possibility of increasing the amount of the Reilley Award or introducing an additional Award to be administered by the Society. The results of this feasibility study is to be presented at the next SEAC Board Meeting.

The President encouraged all Members to offer their suggestions regarding the funding of awards to the Treasurer.

The President announced the following Chairman of Standing Committees for 1990-91:

Activities: Mark F. Meyerhoff
Awards: Fred M. Hawkridge
Finance: Franklin A. Schultz
Membership: Joseph T. Maioy

Nominating: James Q. Chambers

The President announced that every effort would be made to publish a Directory of the SEAC Membership during the following year.

The President announced that SEAC will hold a joint meeting with the Electrochemical Society in Washington, D.C. during May, 1991. SEAC Past-President Janet Osteryoung has already agreed to chair one of the Joint sessions; additional SEAC participants may be announced at a later date.

In response to a discussion about SEAC service projects, Allen Bard offered the suggestion that SEAC might serve as a repository for electrochemical computer programs (simulations, data treatments). The President thanked Professor Bard for his suggestions.

The meeting was adjourned at 5:13 p.m.

Respectfully submitted,
J. T. Maloy, Secretary

LETTERS TO THE EDITOR

Dear Dick:

I have enclosed a copy of the Reilley Award solicitation that has been used in the past. If you would include this in the next issue or two of SEAC Communications I would greatly appreciate it. Wish I could have attended the Reilley Award Symposium and the SEAC Executive Board Meeting this year. I plan to make that happen next year.

Thank you for your assistance.

Best regards,
Fred M. Hawkridge

PREVIOUS AWARDEES

1984 Allen J. Bard
University of Texas

1985 Ralph N. Adams
University of Kansas

1986 Fred C. Anson
California Inst. Tech.

1987 Robert A. Osteryoung
SUNY Buffalo

1988 Royce W. Murray

Univ. of North Carolina

1989 Theodore Kuwana
University of Kansas

1990 **Jean-Michel Saveant**
Universite de Paris VII

1991 Stanley Bruckenstein
SUNY Buffalo

NOMINATIONS **SOLICITED**

Nominations for the 1993 Rellley Award are hereby **solicited**. Such nominations should include the individual's **curriculum vitae**, a description of his or her significant **contributions to electroanalytical chemistry**, and at least two letters of support. All nomination **materials will be retained by SEAC**.

Once **nominated**, any individual will be considered for the Rellley Award for three years **without being renominated**. The submission of any supporting information or a **renomination** is welcome at any **time**, but the **decision** on the 1993 Award shall be based upon the material **which** is available to the Award Committee on March 15, 1992. All nominations should be sent to:

Professor Fred M. Hawkrldge,
Chairman
SEAC-Rellley Award **Committee**
Department of **Chemistry**
Virginia Commonwealth University
Richmond, VA 23284

Dear Dick:

I have recently taken on the **duties** of North American editor for the **JOURNAL OF AUTOMATIC CHEMISTRY**. I am convinced of the need for a high quality journal in the area of **automation** and am committed to **building** on the past successes of the journal, **which** covers all aspect of the subject in **analytical, clinical and industrial environments**. The publishers have a long and **distinguished** record in **scientific** publications. Peter Stockwell is **editor** and L.B. Roberts is **clinical editor**.

I hope that you will **consider** the **JOURNAL OF AUTOMATIC CHEMIS-**

TRY for your **manuscripts** dealing with automation. All research papers are refereed and we are committed to the **highest standards while** promising speed and efficiency in the **review** process.

The **enclosed** "Notes for Authors" **gives** details on manuscript **requirements**. Note that authors **receive** 50 reprints free of charge. **Manuscripts** may be **submitted** to me, or Peter Stockwell or L.B. Roberts.

I am hopeful you **will consider** this journal for future **manuscripts** in the automation area and I look forward to working with you.

Sincerely,

D.J. Curran
North American Editor

Dear Dr. Durst:

I am pleased to enclose a press release describing the introduction of our new **OMNI 90** analog **potentiostat**. This information is of interest to chemists and other researchers who read the Society of **Electroanalytical Chemistry** Newsletter. We would appreciate having it included in your next **publication**.

Thank you for your consideration.
Sincerely,

Cypress Systems, Inc.
Douglas A. **Lenhart**, Ph.D.
Vice President of Marketing

Analog **potentiostat** for voltammetry and chronoamperometry is now **available** for use in routine analysis and **teaching** laboratories. The **freestanding** potentiostat performs the **traditional techniques** of **linear sweep, cyclic voltammetry**, and chronoamperometry to **100pA sensitivity**. Named the **OMNI 90** because of its completeness, the instrument is easy to setup and use. The potentiostat includes a **mini-electrode kit**, cell, and holder. Just connect a recorder and do **electrochemistry**. Cypress Systems, Inc., PO Box 3931, Lawrence, KS 66046 1-800-235-2436.

NEW MEMBERS:

Martin Telling Diaz, Dublin City University, 6/21/90

Hyoung-Sik Ylm, University of Michigan, 6/29

Emory S. **DeCastro**, AQUANAUTICS, 8/21

Andrzej Sobkowlak, Texas A&M, 10/4
Ellis Hlssong, A.E. **Staley** Mfg. Co., 11/14

Bruce A. Parkinson, DuPont Central Research, 11/30

Lawrence E. Moore, University of SC at Spartanburg, 12/26

John **Gul**, University of Cincinnati, 1/14/91

Lois Kendall, Purdue University, 1/14
Helen **Petach**, Colorado State University, 1/15

Jeffrey L. Moore, Georgia Institute of Technology, 1/16

Chongmok Lee, California Institute of Technology, 1/17

Sara M. **Sawtelle**, Boston College, 1/16

Debra Bergman, **Seton** Hall University, 1/16

Sandra Wheeler, University of Cincinnati, 1/22

Robert W. Parkes, **American Chemical Society**, 1/23

Geoff **Miller**, Los Alamos National Laboratory, 1/26

Susana Kevra, **Hoffmann La Roche**, Inc., 2/4

S. Bart Jones, University of NC - Wilmington, 2/6

Yingping Deng, University of Connecticut, 2/11

Beth Sarsfield, **Seton** Hall University, 2/25

Eithne Dempsey, New Mexico State University, 3/7

Youqin **Xie**, University of Wisconsin-Milwaukee, 3/8

Mehmet Ozsoz, EGF University (Turkey), 3/8

Dale Owens, **Marlon** Labs, 3/10

Amy C. Almon, Westinghouse, 3/11

Susan A. Lerke, University of Delaware, 3/11

Janet C. Ruhl, University of Delaware, 3/11

Liqun Fu, The **Ohio** state University, 3/12

Elizabeth S. Ballard, Union Carbide Chem. & Plastics, 3/16

Also, there have been two renewals as **Lifetime** members:

Adam **Heller**, University of Texas -
Austin, 1/14/91

Johna Leddy, Queens College -
CUNY, 1/31

BOOK REVIEWS

Chemical **Sensing** and Solid State De-
vices

by Marc J. Madou & W. Roy **Morri-**
son

xv + 556 pp.

Academic Press, NY (1989) \$96

reviewed by Adam **Heller**, Anal.

Chem.

63, 342A (1991)

Principles of Chemical Sensors

by Jiri Janata

xi + 317 pp.

Plenum Press, NY (1989) \$89

reviewed by Garry Rechnitz, Ibid.,

344A

ANNOUNCEMENT

Received from Joe Wang:

We regret to announce the sudden death of Prof. J. Patriarche (Universite Libre - Bruxelles). Prof. **Patriarche** made very important contributions to the areas of **pharmaceutical** electroanalysis, **modified** electrodes, and bioelectrochemistry. He also served as a Regional Editor of "**Electroanalysis**".