

SEAC Newsletter

Volume 1, No. 1 February, 1984



SOCIETY FOR ELECTROANALYTICAL CHEMISTRY (SEAC)

A group of electroanalytical chemists have formalized a new organization for scientists interested in all aspects of electroanalytical chemistry from theory to practical applications. The name of Society for Electroanalytical Chemistry (SEAC) has been chosen for this organization.

A primary purpose of SEAC is to select the annual recipients of the CHARLES N. REILLEY AWARD in electroanalytical chemistry, the first award specifically designed to recognize leaders in electroanalytical chemistry. This national award in electroanalytical chemistry, sponsored by Bioanalytical Systems, Inc., is given in memory of Prof. Charles N. Reilley of the University of North Carolina. The annual award recognizes an active researcher who has made a major contribution to the theory, instrumentation, or application of electroanalytical chemistry. The Award consists of a check for \$1,000.00. BAS has agreed to fund the Award for a minimum of ten years. The Award is scheduled for presentation at the Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy in conjunction with an annual symposium on electroanalytical chemistry. The Pittsburgh Conference was chosen as a result of the excellent attendance by analytical chemists (typically 20,000) and the desire of the organizers to support the symposium and the award on an annual basis.

SEAC will sponsor the SEAC Newsletter for the purpose of exchanging information on newsworthy events, employment opportunities, and other pertinent topics.

SEAC will assist in organizing symposia when called upon to do so by larger organizations.

SEAC will organize social events and special lectures adjunct to major meetings of larger societies for the purpose of providing a focus for those interested in electroanalytical chemistry to meet and exchange ideas.

Any individual with an interest in electroanalytical chemistry is invited to join SEAC. Does are \$10||2 years. Students are welcome. Their rates are \$5||2 years.

ALLEN J. BARD:

First Recipient of Charles N. Reilley Award in Electroanalytical Chemistry

Allen J. Bard, University of Texas, Austin, has been selected by the newly formed Society for Electroanalytical Chemistry (S.E.A.C.) to receive the first Charles N. Reilley Award in Electroanalytical Chemistry. The C. N. Reilley Award, sponsored by Bioanalytical Systems, Inc. (BAS), recognizes an active researcher in electroanalytical chemistry who has made major contributions to the theory, instrumentation, or applications of electroanalytical chemistry. The award will be presented at the 1984 Pittsburgh Conference and Exposition 'Symposium on New Techniques in Electroanalytical Chemistry', Monday, March 5, 1984 in Atlantic City, New Jersey.

Professor Bard's research interests have been in the application of electrochemical methods to the study of chemical problems and include electro-organic chemistry, photoelectrochemistry, electrogenerated chemiluminescence and electroanalytical chemistry. He has published two books and over 300 papers while editing the series Electroanalytical Chemistry and The Encyclopedia of the Electrochemistry of the Elements. He is currently Editor-in-Chief of the Journal of the American Chemical Society.

After completing his doctorate with J. J. Lingane at Harvard in 1958, Dr. Bard joined the University of Texas at Austin where he is currently the Norman Hackerman Professor of Chemistry. He has received the ACS Harrison Howe Award, the Carl Wagner Memorial Award of the Electrochemical Society, and the 1984 ACS Fisher Award in Analytical Chemistry. Professor Bard was elected to the National Academy of Sciences in 1982.

He will be honored as an important force in expanding electroanalytical chemistry to the wide theater of application that it now enjoys.

BYLAWS AND INCORPORATION

The Bylaws for **SEAC** have been approved by the Interim Board of Directors. A copy of the Bylaws is enclosed.

SEAC has now been officially incorporated in the State of Indiana. This is a matter of convenience, since **BAS** has offered legal assistance to the Society.

CHARTER MEMBERSHIP IN SEAC DUES

Now that **SEAC** is formally chartered and incorporated, all individuals who have expressed an interest in joining **SEAC** are requested to pay **dues**. Those individuals who remit payment of dues by February 29, 1984, and vote in the first election will become Charter Members of **SEAC**.

Dues are \$10 per two years and are due by the end of February, 1984. Students are welcome to join. Their dues will be \$5 per two years. The assessment will be on a biennial basis to **simplify** the job of the Treasurer. There will be no partial dues **payments** during the two-year period.

Some individuals have already contributed dues. Thanks, your account **has** been credited.

ELECTION OF BOARD MEMBERS

As described in the Interim Bylaws (Article VI), a **15-member** Board of Directors will govern **SEAC**. For the purpose of establishing the Society, an Interim Board of Directors consisting of the following **15 members** has been operating as described in Article 0:

Interim Board of Directors

Steering Committee Members

Dr. **Larry** Faulkner
Univ. of Texas

Dr. Joseph Maloy
Seton Hall Univ.
Bylaws

Dr. William R. **Heineman**
Univ. of Cincinnati
Chairman

Dr. Janet **Osteryoung**
SUNY at Buffalo
1984 **Symposium** Chairman

Dr. **Dennis** Johnson
Iowa State University

Dr. Stephen Weber
Univ. of Pittsburgh
Pittsburgh Conference
Representative

Dr. Peter T. Kissinger
Purdue University and
BAS Representative
Finance | **Publicity**,

Advisors

Dr. Ralph Adams
Univ. of Kansas

Dr. Dennis Evans
Univ. of Wisconsin

Dr. Fred **Anson**
California Institute
of Technology

Dr. Theodore **Kuwana**
The Ohio State Univ.

Dr. Allen Bard
Univ. of Texas

Dr. Royce Murray
Univ. of **N. Carolina**

Dr. Stanley **Bruckenstein** **Dr. Robert Osteryoung**
SUNY at **Buffalo** **SUNY** at Buffalo

A **Nominating Committee** has officially **nominated** these above-named individuals for the first **Board of Directors**. As outlined in Article 0, this slate is being subjected to the vote of all individuals who intend to **become** Charter Members. **This** election will enable the board to be formally installed by the **membership**.

Please use the attached ballot to vote.

In order to enable--the election of future **Board Members** each year, this first Board will be divided into five groups of three Directors each with **terms** of office varying **from** one to five years.

NOMINATIONS FOR PROFESSOR CHARLES N. REILLEY AWARD IN ELECTROANALYTICAL CHEMISTRY

A national award in electroanalytical chemistry in memory of Professor Charles N. Reilley of the University of North Carolina is presented **annually**. The award is under the auspices of the Society of Electroanalytical Chemistry and is sponsored by Bioanalytical Systems, Inc. (**BAS**). **the** **annual** award recognizes an active researcher who **has** **made** a major contribution to the theory, instrumentation, or applications of electroanalytical chemistry. **The** award consists of a check for 1,000.00.

Nominations should include a curriculum vitae, a description of the individual's significant contributions to electroanalytical chemistry, and two letters of **nomination**. **Nominating** material should be received at the following address by May 1, 1984.

Reilley Award Committee
Society for Electroanalytical Chemistry
Department of Chemistry
Iowa State University
Ames, Iowa 50011

Once an individual has been nominated, his/her nomination will be automatically maintained for a period of three years. If further supporting information becomes available, it is welcomed for a candidate file at any time.

Bulletin Board

SEAC encourages members to submit notices of interest to other members. Ads for postdoctoral positions, industrial opportunities, and other information are welcome for inclusion in the 'Bulletin Board' Section.

ANALYTICAL/BIOCHEMICAL RESEARCH

Electrochemical Research Group is now seeking several highly motivated, capable, B.S. or M.S. chemists to augment R D efforts to develop and apply novel analytical techniques. Utilization of ~~state-of-the-art~~ technologies in separations science, biochemistry, and electrochemistry. Salaries and benefits highly competitive, excellent growth potential. Previous experience in manipulation of complex samples desirable. Communications skills essential. Submit resume, in confidence: LKK|WJ, BAS, 2701 Kent Ave., W. Lafayette, IN 47906.

ANALYTICAL INSTRUMENTATION SALES

Immediate openings for salespersons with experience in analytical instrumentation sales. Product line includes electrochemical and chromatographic products and custom lab services. Aggressive, ambitious individuals are sought for these positions. Additional requirements include working knowledge of chromatography or electrochemistry. Relocation not necessarily required. Salary plus commission, full benefits. Equal opportunity employer. Reply in confidence to: LKK|CBK, BAS 2701 Kent Ave., W. Lafayette, IN 47906.

POSTDOCTORAL POSITION:

Postdoctoral fellow wanted for work in the general area of analytical pulse voltammetry. Experience in Electrochemistry is required and some familiarity with computer-controlled experimentation is desirable. Submit resume, together with the names of three references, to: Professor Janet Osteryoung, Dept. of Chemistry, SUNY at Buffalo, Buffalo, NY 14214. SUNY is an Equal Opportunity/Affirmative Action employer.

POSTDOCTORAL POSITIONS:

- 1) Interest in infra-red spectroelectrochemistry in non-aqueous, battery relevant systems - FTIR experience desired
 - 2) Studies of polymer electrodes in ambient temperature molten salt
 - 3) Electrochemistry in molten salt system
 - 4) Electroanalytical Chemistry, with emphasis on pulse voltammetry
- Contact: R. A. Osteryoung, Dept. of Chemistry, SUNY at Buffalo, Buffalo, NY 14214

MEETINGS WITH SUBSTANTIAL ELECTROANALYTICAL CONTENT

- March 5-9 Charles N. Reilley Award in Electroanalytical Chemistry presented during the 'Symposium on New Techniques in Electroanalytical Chemistry' at 1984 Pittsburgh Conference and Exposition, Atlantic City, NJ. (Seac reception following the Symposium).
- April 8-13 Symposium for Fisher Award ACS National Meeting, St. Louis, MO.
- May 6-11 ECS National Meeting, Cincinnati, Ohio.
- June 3-5 1984 International Symposium on LCEC and Voltammetry, Indianapolis, IN.
- June 12-14 'Trends and Accomplishments in Electroanalytical Chemistry,' Division of Analytical Chemistry Summer Symposium, NBS, Gaithersburg, MD.

PROGRAMS DETAILS FOR FUTURE MEETINGS

March 5-9 (Pittsburgh Conference)
'New Techniques in Electroanalytical Chemistry'

Spectroelectrochemistry: Hybrids of optical and Electrochemical Approaches - R.L. McCREERY, The Ohio State Univ.

Introduction of Reilley Awardee - P.T. KISSINGER, Bioanalytical Systems, Inc.

Charles N. Reilley Award Address: Characterization and Applications of Polymer and Clay Modified Electrodes - A.J. BARD, Univ. of Texas-Austin

Hydrodynamically Modulated Rotating Disk Voltammetry - B. MILLER, Bell Laboratories

Electrocatalysis for Anodic Electroanalysis - B.C. JOENSON, Iowa State Univ.

Square Wave Voltammetry - J. OSTERYOUNG, SUNY at Buffalo

1984 **SYMPOSIUM ON LCEC AND VOLTAMMETRY**
(June 3-5, 1984)

Titles for papers and poster sessions at the Fifth International Symposium on LCEC and Voltammetry are now being accepted for consideration by the Symposium committee. Qualified speakers will have developed or applied electrochemical techniques to research problems within the general categories listed.

As in past years, the purpose of this meeting will be to provide a forum for the exchange of technical information on sample preparation techniques, experimental conditions, data processing, and advanced instrumentation methods. A short course pertaining to the application of LCEC to problems of a biomedical nature will be offered prior to the Symposium.

For further details: THE 1984 LCEC SYMPOSIUM
P. O. Box 2206
West Lafayette, IN 47906 (USA)
TLX 276141
Telephone: (317) 463-4527

June 12-14 'Trends + Accomplishments in Electroanalytical Chemistry'

A New Electrode System for Monitoring Dissolved Halogens in Flowing Streams - J. McLEAN, Dow Chemical Co.

Detectors Based on Reticulated Vitreous Carbon Electrodes: Applications in Flow Injection Analysis and Liquid Chromatography - D. CURRAN, Univ. of Massachusetts

Liquid Chromatography|Electrochemistry: Improved Performance Using Pre- and Post-Column Reactions and Low Dead Volume Multiple Electrode Transducers - P.T. KISSINGER, Purdue Univ.

New Hybrids of Optical and Electrochemical Techniques - R. McCREERY, Ohio State Univ.

Solid State Analytical Spectroelectrochemistry - R. VanDUYNE, Northwestern Univ.

Analytical Aspects of Chemically Modified Electrodes - R. DURST, National Bureau of Standards

In Situ Electroanalytical Applications of Piezoelectric Quartz Crystals - S. [REDACTED], SUNY at Buffalo

New Directions for Bio Sensors - G. RECENTITZ, Univ. of Delaware

Design and Biomedical Application of Ion Selective Liquid Membrane Electrodes - W. SIMON, Eidgenossische Technische Hochschule

Chem-Fets - What's New? - J. JANATA, Univ. of Utah

Electroanalytical Contributions to Progress in Organic Electrochemistry - D. EVANS, Univ. of Wisconsin

Application of Pulse Voltammetry to the Determination of Organic Halides - J. OSTERYOUNG, SUNY at Buffalo

New Aspects of Cyclic Voltammetry at Ultramicro and Other Electrodes - K. OLDEMAN, Trent Univ.

Ascending Water Electrode Studies of Metal Extractants - H. FREISER, Univ. of Arizona

Chemical Neurophysiology - R.N. ADAMS, Univ. of Kansas

Strategies for Immunoassay by Voltammetric Techniques - W. HEINEMAN, Univ. of Cincinnati

Activities of Dioxigen by Electron-transfer Reduction in the Presence of Protons, Organic Substrates, or Metal Complexes - D. SAWYER, Univ. of California at Riverside

Determination of Nitrosamines by Polarographic Detection in High Pressure Liquid Chromatography - M. SHARP, Univ. of Umea

William H. Reimuth, 1932 - 1983

Prof. William H. Reimuth died of a heart attack in New York, in December, 1983. Willy, as he was known to all his friends and colleagues, will be remembered as one of the most insightful and original researchers in electrochemistry of the last thirty years. His contributions to many theoretical aspects of electroanalytical chemistry were seminal and legion. Discussing electrochemistry with Willy was at once humbling, bracing, and educational. He was unusually adroit at seeing to the heart of a theoretical problem and reformulating it in ways that made it clear and tractable.

In the early sixties, Willy was a prominent member of the group of Electroanalytical Chemists who felt the need to gather together to discuss research in a more informal way than was then customary. The Western Electroanalytical Theoretical Society (WEB) was created to foster this goal and Willy participated actively in most of the memorable (and notorious) gatherings of WEITS. In many ways, SEAC owes its origins to the goals and spirit(s) that were embodied in WEB. For that reason it seems most appropriate that in this first SEAC's Newsletter Willy Reimuth's contributions to electroanalysis be recalled and recognized. The sense of regret that his passing arouses is keenly felt by all of us who knew him. The science of electroanalytical chemistry and its surviving practitioners have lost an irreplaceable colleague.

F. C. Anson