SEAC
COMMUNICATIONS

Volume 8, No. 6
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Sapporo 060
Japan

Presiden t's Message

I am pleased and proud to speak to the SEAC membership from this special highlighted box in SEAC Communications. I should begin with a Tip of the Hat to my predecessor Barry Miller, who has given the Society excellent leadership as President and has started important new initiatives. I particularly point to the initiation in 1993 of the SEAC Young Investigator Awards, the first of which will be presented at the Reilley Award Symposium at Pittcon in Spring 1993. Please note that nominations for this new Award (of individuals less grey than 35 at time of nominations and < 7 years out from the Ph.D.) should go to our able SEAC-Awards Committee Chair Fred Hawkridge before March 15, 1992. See the June 1991 SEAC Communication or call Demon Editor Dick Durst for full details. I think the initiation of this award is exceptionally appropriate because ours, like any vigorous area of scholarly research, lives off the infusion of young, new intellects. We should recognize that, and plaudits to Pete Kissinger and BAS for their firm support of the ideas of scholarship in electroanalytical chemistry over the years and helping to make it possible. Barry Miller also has promoted the plan for a Membership Directory for SEAC, which we really need. We also need to urge practicing electroanalytical folk to become members, and I ask here the current members of SEAC to make the benefits of membership known to their colleagues (academic and industrial) and students. What are the benefits? I think the most important is recognition that you are part of a body of scholars who strive by their innovation and intellects to understand and use electroanalytical chemistry, broadly defined. That's perhaps the most important glue, and being stuck to it is a personal satisfaction that with our modest dues is not very expensive to indulge yourself in. Secondly. the Society supports recognizing quality research, in the Reilley Award and in its new Young Investigator Award. Thirdly, SEAC gives the Pittcon meeting an important infusion of talks about transferring electrons and electrodes that was less evident in pre-SEAC days, and strengthens this significant annual meeting of those interested in the science of chemical measurements. Old members, please help generate some new blood.

Royce W. Murray

Editorial

After a very busy summer, H's time to settle down to a new academic year. But before that happens, I want to let you all know what's been happer-ring around the world of electroanalytical chemistry - at least what I have been able to glean with minimal help from the readership. As you may have already guessed, this is my annual plea for news from the trenches. Surely, there must be life out there somewhere. Actually, I have been sent a number of interesting items as you'll see on reading through this issue. However, it never hurts to ask for more.

The notice of my new e-mail address last time did brlng a flurry of messages (so apparently some people must be reading my editorials), mostly from people trying out their e-mail system. Although I had some trouble initially figuring out the return addresses, I think I have that under control now. While there are a number of e-mail systems out there, it appears that through some magical process, we are still able to talk to one another. While none of the e-mail exchanges was especially newsworthy, it was a lot of fun, and I hope this will stimulate more e-mail correspondence. To facilitate communications between members, I have Included elsewhere in this issue the addresses of the people who have already contacted me. Also, I'd like to get your opinions on whether, for the next membership directory (if there is time), we should include e-mail addresses. Otherwise, I can continue to include them, as I get them, in the newsletter.

From the world of international chemistry, I just returned from Hamburg where IUPAC held its 36th General Assembly. Aside from the technical agenda, for which I hope the Commission Secretaries will again provide a synopsis of the goings on, I would like to report a SEAC coup in the membership department. In the Commission on Electroanalytical Chemistry, I stepped down as Chairman to be replaced by SEACer Karl Kadish. SEACer Dick Buck was elected Secretary and SEACer Yoshio Umezawa moved up from Associate to Titular Member. Finally, SEACers Bill Heineman, Joe Wang, and Bill Koch were

elected new Associate Members. Not bad representation out of a membership of 7 Titular and 12 Associate Members which already included SEACers Alan Bond and Karl Cammann as Associate Members. After serving for 20 years on the IUPAC Electroanalytical and Electrochemical Commissions, I thought I was finally through. But I was elected to the Analytical Division Committee for 4 more years. By the way. I will be serving on this Committee with an IUPAC "institution" by the name of Joe Jordan, another SEACer. Over in the Physical Chemistry Division, SEACer George Wilson was elected Chairman of the Electrochemistry Commission. Finally, at a much more exalted level, SEACer Al Bard assumed the duties of President of IUPAC after serving the past two years as Vice President.

It is with considerable personal sadness that I note the passing of one of the giants of analytical chemistry, Herbert A. Laitinen. Herb will always stand out in my mind as a true gentleman and wonderful human being. His mild manner made "young" scientists, such as myself, comfortable in his presence. While in awe of his many accomplishments. one could discuss practically any topic with him without fear of derision, no matter how obtuse the idea. Although I never worked with Herb, he touched me both personally and professionally in many ways. Professionally, he will be remembered for his many years (1966-76) as editor of *Analytical* Chemistry, his more than 200 publications, and his monograph "Chemical Analysis" first published in my grad school days in 1960. Among his many honors was the 1961 ACS Award in Analytical Chemistry which he received primarily for his outstanding research in electroanalytical chemistry. Herb will be missed by his many friends and colleagues.

On a happier note, a number of our members have recently received well-deserved awards. Three are mentioned below and a couple of others elsewhere in this issue. Except for the Reilley Award, these are award announcements that I came across on my own. I'm sure I couldn't have seen them all, so please let me know of any others that I may have missed. (Remember, it is not considered immodest for the recipient him- or herself to drop me a note on his or her accomplishments or kudos.)

For those of you who attended the ACS meeting, I am sure you enjoyed the symposium honoring Bob Osteryoung who received this year's ACS Analytical Chemistry Division Award in Electrochemistry. Congratulations, Bob. I didn't get to NYC and am curious about Bob's award address title: "Pulse Voltammetry: Saturday's Child". Anyone want to comment on the meaning?

I just read in C&EN that Larry Faulkner was named the recipient of the 1992 ACS Award In Analytical Chemistry (the Fisher Award). More news to come on this award as I get the details. Great going, Larry.

Finally, if you see Steve Feldberg be sure to congratulate him also. It was just announced that he is the recipient of the prestigious Reilley Award in Electroanalytical Chemistry for 1992. His biographical sketch and the program (arranged by Mike Elliott) of the Reilley Award Symposium at Pittcon in New Orleans next March appear elsewhere in this issue.

Dick Dorsi

A wards

Dennis Johnson, Professor of Chemistry, Iowa State University, and senior chemist, Ames Laboratory, was recently honored with the 1990 Governor's Medal for Science Application. Johnson is being cited for developing a detection technique that allows analysis of complex carbohydrate molecules. The technique is used by the food and beverage industry, in pharmaceutical research, and in production of antibiotics.

Barry Miller, AT&T Bell Laboratories, and editor, *Journal of the Electrochemical Society,* is the recipient of the David C. Grahame Award from the Electrochemical Society's physical electrochemistry division. Miller's research interests include electroanalytical chemistry, photoelectrochemistry, corrosion science, electrosynthesis, interfacial kinetics, and materials stability and processing.

New Members

Howard R. Meyer, Jr.,
Tyndall Air Force Base, 3/16

Gloria J. Pyrka,
Kent State University, 3/20

Viktor Oppeltz Nagy,
Universidad Central de Venezuela, 3/20

Albert Brennstelner,
New Mexico State University, 3/26

Alexander Plnkowskl,
ProMinent Dosiertechnik Gmbh, Germany, 3/26

Matthew R. Rhodes,
EG&G Princeton Applied Research, 4/5

Cynthia Nlenart,
EG&G Princeton Applied Research, 4/5

David L. Cocke,
Lamar University, 4/11

Franco Tagllaro,
University of Verona, Italy, 4116

Patricia A. Mabrouk,
Northeastern University, 4126

Also, one Lifetime membership:

Brian D. Humphrey,
Montclair State College, 3/30

Address Changes

Yingping Deng has moved from the University of Connecticut to:
Dept. of Chemistry
University of Cincinnati
Cincinnati, OH 45221
(513) 556-9233

Johna Leddy's new address is:
Dept. of Chemistry
University of Iowa
Iowa City, IA 52242
(319) 335-1720

Ethne Dempsey's new address is:
Wilmor
Carrick-on-Suir
Co. Tipperary
IRELAND

E-mail Addresses

Bob Osteryoung
CHEMRAO@UBVMS.cc.buffalo.edu
Bob Allendoerfer
CHEALLEN@UBVMS.cc.buffalo.edu
Elmo Blubaugh
Blubaugh@ucqais.uc.edu
Steve Weber
SWEBER@vms.cis.pitt.edu

Johna Leddy
jleddy@vaxa.weeg.uiowa.edu

Since it is sometimes hard to decipher the e-mail address from the header, please include your address in the text so that I can print it correctly. Also, since e-mail is apparently blind to caps and lower case letters, the above addresses are written as I received them. Keep the e-mail comingl

LETTERS TO THE EDITO R

June 11, 1991
Dear Dick:

I noted the following in the June 10th issue of Forbes Magazine:

"Although barely two years old, SEAC claims 15,000 affiliated students on 1,100 campuses from Harvard to Chico State. Last October more than 8,000 students from schools in all 50 states and 11 foreign countries gathered on the campus of the University of Illinois in Champaign-Urbana for SEAC's second national conference."

I thought 'Wow! After Faulkner became Dean there is no way Purdue can compete with this kind of electroanalytical enthusiasm." My fears were allayed when I learned that the new SEAC was the Student Environmental Action Coalition. They're probably most interested In stripping voltammetry.

Best regards,
Peter T. Kissinger
Bioanalytical Systems, Inc.

June 20, 1991
Dear Dick:

I just received *my* SEAC newsletter and as usual I find it to be very interesting and informative. The University offered an early out which I could not resist. However, I will be around. I hope to do some writing and stay with the University, fairly actively, for at least three more years. It is most interesting to me that so much of the research which was done by the Ph.D. students has never been published, and no one in the electroanalytical field has even done in depth studies on some subjects which are covered in these investigations.

My former graduate students gave me a wonderful dinner party. I have enclosed a copy of the program.

I was truly stunned by the death of Gaston Patriarche. He and I were so close since I spent that year at the Universite Libre de. Bruxelles with L. Gierst.

My very best to you always. Hope you are well. We truly miss you in the Washington area.

Sincerely,
Joe Morris
Howard University

P.S. It has been established that I have graduated more black graduate students than any professor in the U.S.A.

July I, 1991
Dear Colleague:

For the ten months from 1 July 1991 - 30 April 1992 I will be on a sabbatical leave at the Institute of Neurobiology! University of Gothenburg, Gothenburg, Sweden. If you want to contact me, please do so through my research group, secretary or directly at the addresses/phones listed below:

PITTSBURGH
Research Group:
Department of Chemistry
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-8523
Secretary:
Ms. Lisa Alzo
Room 234 Chevron Science Center
Department of Chemistry
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-8203
Departmental FAX: (412) 624-8552
SWEDEN
Weber Mall:
institute of Neurobiology
University of Gothenburg
P. 0. Box 33031
S-40033 Gothenburg
SWEDEN
Street Address:
(needed for Federal Express, or visits!)
Medicinaregatan 5
S-40033 Gothenburg
SWEDEN
Phone: + 46 31 853395
FAX: + 46 31 412805

The Sweden numbers are for my colleague, Dr. Mats Sandberg.

Sincerely,
Stephen G. Weber
University of Pittsburgh

June 25. 1991
Dear Dick:

Enclosed please find an announcement which I would like to be considered for publication in SEAC Communications:

The Great Lakes Regional ACS meetings are entertaining lately more and more contributions in electrochemical science. The 1990 meeting was held in DeKalb, IL, and I was proud to host 22 speakers in 3 half-day symposia. The 1991 meeting was in late May in Indianapolis. At least 29 electrochemical talks were given in symposia on Analytical Chemistry, Colloid Chemistry and inorganic Chemistry (Homogeneous and Heterogeneous Electron-Transfer Kinetics),

Next year the meeting will be June I-3 in Mllwaukee. For this meeting I am organizing a symposium on "Detectors and Sensors." In my estimate, some 70% of the presentations will be related to electroanalytical chemistry. Those interested in participating are encouraged to contact me.

Petr Vanysek NIU-Chemistry
DeKalb, IL 60115; (815) 753-6876

Thank you very much.

Very truly yours,
Dr. Petr Vanysek
Northern Illinois University

February 6, 1991
Dear Sir,

Thank you for my first SEAC newsletter. This is just to inquire if it is possible to send it to me at my home address in Ireland in the future. My studies in the U.S. at New Mexico State University end shortly and I will be returning home.

Let me know if this is possible or if it will be necessary to pay for postage. I am a graduate student in Electroanalytical Chemistry and am interested in continuing to receive your newsletter if possible.

Thank you.

Yours truly,
Eithne Dempsey

(The *newsletter will be sent to your new address at no additional charge. This reflects the fact that there is no difference in the membership fee for foreign scientists. - Ed.)*

June 26, 1991
Dear Dick:

I have a news item for the "SEAC Communications." The Department of

Chemistry at Colorado State University is happy to announce the appointment of Bruce A. Parkinson as Professor of Chemistry. Bruce will join us here at CSU in July of 1991.

Sincerely,

Charles R. Martin
Colorado State University

August 8, 1991

Dear Dick:

Attached are Steve Feldberg's biographical info, his picture, and the program for the Reilley Award Symposium for Pittcon 1992, as arranged by Mike Elliott. I believe this should supply you with the necessary copy for the next Newsletter.

Having passed the end of my Presidential term on June 30, I want to thank you for your efforts during that time in communicating with the membership in a sprightly and Informative manner. We all appreciate that the Newsletter Is part of the tie that binds and you have kept up the tradition in an exemplary manner.

I guess you will have to prod Royce Murray from now on for Presidential copy. I have reminded Stan Bruckenstein that his reminiscences would be appreciated for the Newsletter.

I hope you are finding life In Geneva to your liking. I am flying off to another Geneva shortly on my way to the ISE meeting, but I will be available until August 21 should you need further Information.

Best regards,

Barry Miller
AT&T Bell Laboratories

STEPHEN W. FELDBERG, Senlor Chemlst, Department of Applied Science, Brookhaven National Laboratory, Upton, NY

Born

July 22, 1937, New York City, NY

Education

Princeton University (B.A., Chemistry, 1958; Phi Beta Kappa, Howe Prize. Analytical Chemistry; Ph.D., Analytical Chemistry, 1961).

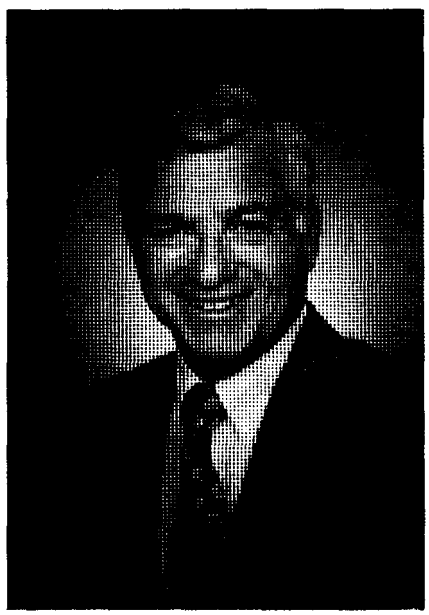
Research Interests

Electrochemistry: Theory of coupling of transport, homogeneous kinetic and heterogeneous kinetic phenomena; computer simulation of electrochemical phenomena: ion and electron transport phenomena in membranes; photoelectrochemistry; studies of fast interfaclal phenomena; conducting polymers.

Summary of Experience

Postdoctoral Fellow, Brookhaven National Laboratory, Upton, New York, 1961- 1963. Visiting Assistant Professor, Department of Chemistry, University of Kansas, Lawrence, Kansas, 1964. Brookhaven National Laboratory, Scientific Staff, 1964-present: current rank, Senior Scientist. Visiting Associate Professor, Department of Chemistry, University of Kansas, 1968. Visiting Professor, Department of Chemistry, Colorado State University, Fort Collins, Colorado, 1972. IAEA Expert, Comision Nacional Energia Atomica, Buenos Aires, Argentina, 1979. Vlslting Professor, Lecturer, Department of Chemistry, University of Texas, Austin, Texas, 1982. Visiting Professor, Department of Chemlstry, University of Tel Aviv, Ramat Aviv, Israel, 1982. Gordon Fellowship, Deakin University, Geelong, Australia, 1989.

CHARLES N. REILLEY A WARD SYMPOSIUM



Introductory Remarks - C. Michael Elliott

The 1992 Charles N. Reilley award will be presented to

Stephen W. Feldberg
Brookhaven National Laboratory
Associated Universities, Inc.
Upton, Long Island.
New York **11973**

BY

Royce W. Murray
University of North Carolina-Chapel Hill, President, Society for Electroanalytical Chemistry

Award Address-"Studies of Fast Interfacial Processes Using an Indirect Laser Induced Temperature-Jump Method"; Stephen W. Feldberg and John F. Smalley; Brookhaven National Laboratory.

"Feldberg Nuances"; Ralph N. Adams; University of Kansas.

"Experiments and Simulations of Interfacial Charge Transfer at Semiconductor/Liquid Interfaces"; Nathan S. Lewis, Gail N. Ryba, Bau-L. Tsai, Ming Tan, Malcolm D. E. Forbes and Stephen W. Feldberg; California Institute of Technology.

"Simulations of the Performance of Polymer Electrolyte Fuel Cells"; Shimshon Gottesfeld, T. E. Springer and T. A. Zawodzinski; Los Alamos National Laboratory.

'Yoltammetry and Spectroscopy in Ambient Temperature Chloroaluminate Ionic Liquids: Some Random Examples"; Robert A. Osteryoung, Paul Trulove, Marc Noel and Jinsong Tang; State University of New York-Buffalo.

"New Thin Film Composite Membranes for Chemical Separations"; Charles R. Martin, David C. Liu, Wenjanq Chen, Wenbin Liang, Scott M. Stowe; Colorado State University.

MEETINGS CAL ENDAR

February 10-14, 1992

8th AUSTRALIAN ELECTROCHEMISTRY CONFERENCE to be held in Auckland, New Zealand.

Information from
Dr. Graham A. Wright
Chemistry Department
University of Auckland
AUCKLAND, New Zealand

September 13-l 7, 1992

THE 4th INTERNATIONAL MEETING ON CHEMICAL SENSORS sponsored by The Japan Association of Chemical Sensors (a Division of The Electrochemical Society of Japan) will be held in Tokyo, Japan. There is a call for papers relating to Gas Sensors, Biosensors, Ion Sensors, Electrochemical Sensors, ISFETs and CHEMFETs, Optical Sensors, SAW Devices, New Methods and New Materials, Sensor Fabrication Technology, and Sensor Systems. Further details may be obtained from

Professor Noburu Yamazoe
4th IMCS, Chairperson
Graduate School of Engineering Sciences
Kyushu University
Kasuga-shi, Fukuoka 816
Japan

March 9-13, 1992
PITTCON 92
New Orleans Louisiana
Back to the Future: New Horizons in Electroanalytical Methods and Materials
Organized By
John F. Jackovitz
and J.T. Maloy

Ten years ago the organizers of this symposium asked some well-respected electrochemists to survey the new electroanalytical methods and materials that were just on the horizon In 1982. The topics that were discussed at that Symposium (polymer coated electrodes, [ultra]micro-voltammetric electrodes, pulse voltammetry, electrochemical immunoassay, and computer-based electrochemical instrumentation) have, with the exception of a brief excursion into what might be characterized as popular science, dominated electroanalytical research over the past decade.

In the intervening years the electroanalytical presence at PITTCON has increased dramatically: close to a hundred electroanalytical papers were given at each of the last two Conferences; the Society for Electroanalytical Chemistry (SEAC) has become a reality; the Reilley Award Symposium has become an annual PITTCON event. It is quite possible that the origins of each these aspects of electroanalytical presence may be traced to this 1982 Symposium.

In this tenth anniversary Symposium these same speakers, their co-authors, or their designees will assess their original predictions, and evaluate the state of electroanalytical research at the dawn of the twenty-first century.

For more Information please contact:
Joseph T. Maloy
Department of Chemistry
Seton Half University
South Orange, NJ 07079
(201) 761-9031 SHU Office
(201) 325-8677 Home Office

Consult PITTCON program for Symposium date and times:

"New Computational Strategies for Electroanalytical Chemistry," J.T. Maloy, Department of Chemistry, Seton Hall University, South Orange, NJ 07079. Co-authors: Beth Sarsfield and George M. Volpe (Seton Hall) and Margaret A. Reid (NASA Lewis).

"Modified Electrodes — Past and Future," Allen J. Bard, Department of Chemistry, The University of Texas, Austin, TX 78712.

"Exploration of New Chemical Domains With Microvoltammetric Electrodes," R. Mark Wightman, Department of Chemistry, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3290.

Pulse Voltammetry '92: Retrospect and Prospect," Janet G. Osteryoung, Department of Chemistry, North Carolina State University, Raleigh, NC 27695-8201. Co-authors: Robert A. Osteryoung and John J. O'Dea.

"Electrochemical Immunoassay: Accomplishments and Prospects," William R. Heineman, Department of Chemistry, University of Cincinnati, OH 45221-0172. Co-author: H. Brian Halsall.

"Revolutions and Evolutlons in Electrochemical Instrumentation," Larry R. Faulkner, Department of Chemistry, University of Illinois, Urbana, IL 61801.

SYMPOSIUM ANNOUNCEMENT AND CALL FOR PAPERS*

Materials Research Society
Spring Meeting 92
April 27 - May 1, 1992
San Francisco, CA
SYMPOSIUM M: NOVEL FORMS OF CARBON

No other atom exists in as wide a range of physical and chemical states in its elemental form as does carbon. Thls diversity manifests Itself in an extremely broad range of properties, and a correspondingly broad range of research sub-fields involving carbon. A recent explosion of interest in several of these areas is driven both by basic interest in structure and property elucidation (buckminsterfullerene) and by the potential for exciting new device applications (CVD diamond). The purpose of this symposium is to bring together, and encourage interaction among, researchers working on a variety of novel forms of carbon, both chemical and physical. Contributions are solicited in the following areas:

*Spheroidal carbon molecules: the fullerenes and fullerene-based materials, thermal, electronic, optical, magnetic, and chemical properties of fullerene molecules and solids, metallic and superconducting properties of doped and intercalated fullerites

*Novel physical forms and chemically modified surfaces, microcellular carbon foams and films, organic aerogei precursors to carbon, surface treatments for elNectrochemical sensing, novel composites, device applications

Papers on other novel forms of carbon not included in the above list are welcomed.

Invited speakers include T. Kuwana (University of Kansas), and J. Wang (New Mexico State University).

Abstracts (one original) must be received at MRS Headquarters marked "ABSTRACT ENCLOSED", 9800 McKnight Road, Pittsburgh, PA 15237, not later than NOVEMBER 15, 1991.

For further information, contact:
Donald Cox
Exxon Research and Engineering
Route 22E
Annandale, NJ 08801
(908) 730-2726
Fax: (908) 730-3042

NEWS RELEASE

Milli-electrodes Ease Characterization Of Expensive or Difficult-To-Synthesize Compounds In Small Quantities

Princeton, NJ-EG&G Princeton Applied Research Corp. has introduced a series of milli-electrodes for its K0264 Microcell. The millielectrodes in combination with the Microcell are said to be ideal for biochemical, inorganic and organic researchers who require electrochemistry to characterize small samples of compounds that are hard to synthesize or expensive to purchase.

Available in gold, platinum or glassy carbon, the milli- electrodes, with a diameter of 2 mm, provide the traditional response expected of solid electrodes. The advantage of their small size combined with the Microcell is that smaller volumes of solutions- as low as 200 microliters- can be used to make traditional measurements.

The companion K0264 Micro-Cell is a complete kit, to which working electrodes are added. The kit consists of

a ring stand mountable cell top, low volume cell bottom with closure, silver chloride reference electrode, a platinum counter electrode with a Vycor-fitted junction tube, and a gas purging system.

The cell top units are fitted with electrode and auxiliary mountings for an effective seal against oxygen intrusion. Ports are provided for introduction of test solutions and temperature measurement probes.

In addition to the milli-electrodes, the Microcell accommodates a variety of micro electrodes (10 micron diameter disks) for sample volumes as low as 200 microliters. Compared to macro-electrodes, the microelectrodes are said to offer improved signal-to-noise ratio, provide higher scan rates, permit studies in high resistance solutions and simplify analysis of voltammograms.

Contact: Mr. Andy Palus, Marketing Manager, EG&G Princeton Applied Research Corporation, P.O. Box 2565, Princeton, NJ 08543-2565, (609) 530-1000.

RETIREMENT

JOSEPH B. MORRIS

Dr. Morris was born in Dover, Delaware, 1/25/25, and received his early education in the local public schools. He served in WW II (1943-46) in Wales, France, and Austria. He received his B.S. and M.S. degrees from Howard University in 1949 and 1951, respectively, and served as an Instructor in Chemistry from 1951 to 1953.

He enrolled at the Pennsylvania State University In 1953 and received Graduate, John Hay Whitney and the first duPont Teaching Fellowships. His Ph.D. degree was awarded in 1956 In Electro- analytical Chemistry. Immediately, he became employed as the first black Ph.D. by the duPont Company in its R & D department in New Jersey.

He returned to Howard in 1957 as an assistant professor and was promoted to associate professor in 1961 and to full professor in 1970. He took sabbatical leave in 1967-68 to do postdoctorate study in Electroanalytical Chemistry and Electrochemical Kinetics at the Free University of Brussels, Belglum. He served as Chairman of Howard's Chemistry Department from 1975-85; an elected faculty to Howard's Board of Trustees, 1982-85; special assistant to the V.P for Academic Affalrs In 1985-87 for Science Policy and Planning; and Associate Dean of Educational Affairs, the Graduate School of Arts & Sciences, 1987-88. He returned to the department of Chemistry, January 1989.

Dr. Morris always maintained a strong research program in Electro-analytical Chemistry over his entire academic life. He was research director and mentor to 22 M.S. and 14 Ph.D. degree students. From this research, there were publications and many talks by him and his graduate students, nationally and inter- nationally.

Although many of his colleagues at the University may remember him best for his 14 years as the University Marshal - Bearer of the Mace, the students will probably remember him best for his high standards and expectations for their academic achievement, his open-door policy for their guidance, and his personal concern for their intellectual growth and general welfare.

Cold Fusion Again

The following letter, presumably clipped from some British journal (I know not which), crossed my desk after passing through several hands. The British certainly have a knack for the English language; I had to dust off my dictionary to find out what a "clerihew" was.

Sir — In his review of the book Too Hot to Handle: The Race for Cold Fusion by Frank Close (Nature 350, 29; 1991), Sir Brian Pippard concludes that the initial euphoria having now faded, the episode is "hardly more than a footnote to history", and that the institution of science is still robust. I should like to add a modern clerihew as a codicil to his comments:

The cheers for Cold Fusion
Were last year's illusion:
What's left of a quorum
Is the Pons Asinorum.

Treasurer's Report

Society for Electroanalytical Chemistry

Fiscal Year 1991

July 1, 1990 to June 30, 1997

Fiscal Year 1991 was kind to Society finances. The net worth of the Society increased by over $6,000 to $31,100. The principal assets of the Society are a fund to endow the Reilley Award ($16,790), an endowment fund created from payment of Life Membership Dues ($8,615) and a working fund ($5,695).

The Society operated in the black by about $3,500 during FY91. This was made possible by cost containment practices and a change in fiscal policy, whereby the portion of annual dues that had been used to build the Reilley Award Endowment was allocated instead to the working fund. With these increased resources, the Society is planning several new activities. These include an increase in the amount of the Reilley Award honorarium, creation of a Young Investigator's Award in electroanalytical chemistry, and publication of a Membership Directory.

Respectfully submitted,

Franklin A. Schultz
SEAC Treasurer
July 24, 1991

SOCIETY FOR ELECTROANALYTICAL CHEMISTRY
ANALYSIS OF WORKING FUND BUDGET FOR FY 91
JULY 1, 1990 - JUNE 30, 1991

INCOME

	BUDGETED	ACTUAL
Working Fund Contributions		
Pittsburgh Conference allowance	$3,000	$3,000
BAS commitment	1,000	1,100
Miscellaneous	0	150
Subtotal	4,000	4,250
Annual Dues	5,000	4.545
Interest	800	1,402
TOTAL	$9,800	$10,202

EXPENSES

Symposium Expense	$3,000	$2,575
Newsletter Expense	1,400	691
Membership Expense		
Dues collection/Membership activities	950	401
Elections	100	228
Miscellaneous	100	216
Subtotal	1,150	845
Reilley Award Expense		
Honorarium	1,000	1,000
Award Reception	800	703
Miscellaneous	100	144
Subtotal	1,900	1,847
Allocation of Dues to Reilley Endowment	1.667	0
Allocation of Interest to Endowments	800	677
Miscellaneous	25	10
TOTAL	$9,942	$6.645

WORKING FUND BALANCE:

UNOBLIGATED BALANCE ON 7/1/90 = $2,138
UNOBLIGATED BALANCE ON 6/30/91 = ($2,138 + 10,202 - 6,645 = $5,695)

INCOME STATEMENT
SOCIETY FOR ELECTROANALYTICAL CHEMISTRY
FISCAL YEAR 1991
JULY 1, 1990 -JUNE 30, 1991

INCOME

ACCOUNT	BUDGETED	ACTUAL
interest-Checking	$500.00	$730.27
Interest-Certificate of Deposit	300.00	677.04
Endowment Contributions	400.00	419.50
Working Fund Contributions	4,000.00	4,250.00
Annual Dues Payments	5.000.00	4545.00
Life Dues Payments	1.500.00	1.500.00
	$11.700.00	$12.121.81

EXPENSES

ACCOUNT	BUDGETED	ACTUAL
Symposium Expense	$3,000.00	$2,574.71
Reilley Award Expense	1900.00	1647.60
Membership Expense	1,150.00	845.17
Newsletter Expense	1,400.00	690.94
Miscellaneous Expense	25.00	10.00
	$7.475.00	$5.968.42
(NET)	$4,225.00	$6,153.39

BALANCE SHEET
SOCIETY FOR ELECTROANALYTICAL CHEMISTRY
FISCAL YEAR 1991
JULY 1, 1990 - JUNE 30, 7997

ASSETS

ACCOUNT	BUDGETED	ACTUAL
Worklng Fund	$1,996.00	$5,695.19
Reilley Endowment - INB/Lafayette	1,000.00	1,181.15
Reilley Endowment - Certificate of Deposit	15,000.00	15,609.36
Life Membership Endowment	8,600.00	8,614.61
	$26,596.00	$31,100.31

LIABILITIES

ACCOUNT	BUDGETED	ACTUAL
Newsletter Payable	$ 0	0
Member Exp. Payable	0	0
	$ 0	$ 0
(NET)	$26,596.00	$31,100.31