

THE NUCLEUS

July/August 1990 *Of the Northeastern Section of the American Chemical Society* Vol. LXVIII, No. 9

Summerthing in Newport

A Chemist's Holiday

ACS Spring Meeting

A Wrap-Up

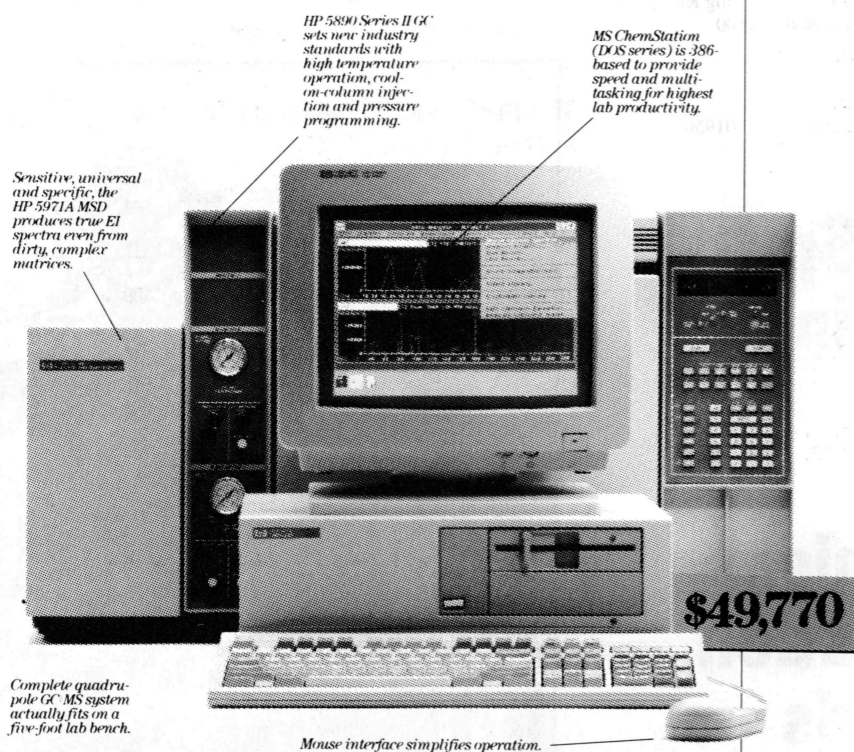
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To Students and Teachers

Election Results



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THE NUCLEUS

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The A.C.S. 199th Meeting; Boston 1990

The Boston meeting was the largest ACS spring meeting with over 14000 chemists registered. Our Northeastern Section fulfilled its role as the host section with distinction and both the Section and its volunteers and our Chairman, E. Joseph Billo, earned plaudits from President Gassman and members of the ACS national organization. One noteworthy activity, a first for ACS, was the staffing by volunteers under the direction of Truman Light of the Employment Clearing House. This report on the meeting includes comments by Billo with excerpts from the reports of the subcommittee chairmen, by Light, and a report on the Council meeting by A. Heyn and E. Garber.

NESACS Volunteers at the Boston ACS Meeting

Our local section, through the volunteer efforts of a number of its members, played a significant part in the arrangements for the 199th Spring ACS meeting.

"Local arrangements were excellent. There is no doubt in my mind but that the Northeastern Section deserves heartiest congratulations for the part which they played in bringing off this excellent affair." (Paul G. Gassman, President of the ACS)

A brief description of the activities of the several subcommittees, and the names of those participating, follows.

—E.J. Billo,
General Chair of the 1990 Committee

NESACS Reception

During the National Meeting, the Northeastern Section hosted a reception on Wednesday evening from 6 to 8 PM, in conjunction with 12 area colleges and universities. This was intended to provide a social gathering for faculty, students, alumni and friends of our local colleges. The reception was a resounding success; approximately 80 were expected and attendance was estimated at about twice that number.

Comments: "It was a venture we would not have undertaken ourselves, given the cost; yet we wanted very

much to have some sort of a reunion with our alums. This was the perfect solution. I hope the Section will consider reserving a room at future meetings..."

Participating institutions: Boston College, Brandeis University, Bridgewater State College, Dartmouth College, Framingham State College, Merrimack College, Northeastern University, St. Anselm College, Tufts University, Tufts University Chemical Engineering Department, University of Massachusetts-Boston, and University of New Hampshire.

General Interest Tour Program

"The tours proved to be very well received, with all tours highly subscribed during pre-registration. The Rogal people were very efficient in running the tours.

"Tickets for a Red Sox game was the local section money-raising event. Wally Gleekman arranged for the purchase of a block of 500 tickets; 272 were sold during pre-registration, and the rest of the tickets were turned back to him. Due to his efforts, plus perfect weather and the fact that the pitchers of the game turned out to be the aces of each team, not a ticket could be had by the day of the game."

—Myron Simon,
Tour Subcommittee Chairperson
Subcommittee members: Ann Marie Allen, Joe Billo, Wally Gleekman, Esther Hopkins, Marvin Kronenberg, Janet Perkins, Thomas Raphael, Edgar Guttoff, Valerie Wilcox

Student Personnel

"Posters and applications were sent to chairpersons of 23 area colleges and universities. In addition an ad was placed in the MIT newspaper "Tech Talk". Response was good and eventually I received a total of 124 applications. I was able to schedule a total of 70 students from 16 different schools for the meeting. They worked a variety of hours from 4 to 40 or more, depending on the job and their ability to give that many hours...Most

of the students I talked with enjoyed the experience of working for the ACS..."

—Carolyn Spodick, Chairperson

Hospitality Center

The Hospitality Center was located in Suite 300 of the Hynes Convention Center. The Center was open during the hours: Sunday, noon to 5 PM; Monday through Thursday, 8 AM to 5 PM. Volunteers provided advice and information concerning local travel, restaurants, etc.

"The location was very good; it allowed some freedom from the rush of meeting areas and exhibits. Coffee, tea and fruit punch were available, as well as a quiet place to relax and meet with friends if desired.

—Mary Burgess, Chairperson

Volunteers at the Hospitality Center: Jennie Ahern, Ann Marie Allen, Jane Bodnar, Steve Bodnar, Barbara Davis, Brad Fell, Lila Foye, Esther Garber, Edgar Guttoff, Ann Hynes, Roslyn Kramer, Albert Kowalak, Gerald Magneson, David Malone, Emily McHugh, "Jims" Murphy, Janet Perkins, Marie Potts, Anita Rogasis, Marietta Schwartz, Rose Simon and Connie Stolor.

Special Issue of the NUCLEUS

Due to the efforts of editor Arno Heyn and advertising manager Vince Gale, a 32-page issue with approximately \$10,000 of advertising was produced. 4000 extra copies were printed and distributed at the meeting.

—Cathy Costello, Chairperson

Exposition Booth Sales

Over 100 firms were contacted and several sales were made for the technical exposition. The section received a commission on each sale, totalling about \$1000 for the section.

—Richard Milius, Chairperson
Subcommittee members:
Leisa Corbett, Joe Lima

continued on page 7

Summerthing, 1990

Sponsored by the Northeastern and Rhode Island Sections of the American Chemical Society and the New England Division of the American Institute of Chemists.

Where: NEWPORT, RHODE ISLAND When: August 3, 4, 5, 1990

Exactly 100 years ago the American Chemical Society met at Newport at which time it authorized the formation of local sections of A.C.S. The very first formed was the Rhode Island Section. For this reason the Summerthing Committee decided to revisit Newport to pay homage to our roots.

Schedule of Events

Friday 3 August 1990

12:00-3:00 pm Registration- Salve Regina, Miley Hall; After 3:00 PM, A/B Building
12:00-1:00 pm Lunch, Miley Hall
1:30 pm Trolley tour of Historic Newport
3:30-5:30 Free time
5:30-6:30 Welcome Reception
6:30-8:00 Dinner
8:00-9:00 Winemaking talk—Richard Alexander (Vineland Cellars)

Saturday 4 August 1990

7:30-8:45 am Breakfast
9:00-12:00 Technical Sessions: (Speakers followed by open discussion).
9:00-10:30 Chemical Education for the 21st Century-Panel discussion led by Joan Shields (Long Island University).
10:30 Coffee break.
10:45-12:00 The Chemist and Environmental Issues- Charles Muldrow, leader (A.D.Little).
10:00-11:00 Spouse Session: Dahlias- Jesse Sauer (Salve Regina)
12:00 Lunch
2:00-4:00 pm Newport by Sea; Harbor tours
6:00 Clambake (with Lobster!!) on the cliffs

Sunday 5 August 1990

7:30-9:30 am Breakfast
10:00-12:00 Mansion tour
12:00 Checkout time and fond farewells

Reservations and fees: **Three Days:** Room, Meals, Events..THE WORKS !! \$145 per person (double occupancy). (Add \$50 for single occupancy.)

Saturday Only: Meals and Events, \$50 per person.

Please complete the attached form and mail it to Mrs. Karen Piper prior to 15 July, 1990. Reservations are on a first-come-first-served basis. Prime accommodations are limited. The overflow will be assigned to dormitory accommodations, but at Salve Regina that's not bad!

Notes:

1. The Summerthing Committee expects attendees to find their own roommates.
2. The rooms with bath will be filled on a first-come-first-served basis. The Committee recommends that attendees get their reservations in early.
3. There will be a children's program(s) available — tailored to age groups when we find out who, what ages, and how many.
4. In the unlikely event that there are not enough participants to meet the minimum requirements (and that has yet to happen), your registration fee will be returned the day after the deadline for receipt of registration.
5. The Committee regrets having to urge you to meet the deadline; but as you can see from the agenda there is much to be done once we have received your commitment.
6. The Committee notes that the "quality" of the Newport Revisited 100 Years Later meets or exceeds that demanded for the Gordon Research Conferences. Indeed they will be moving a conference out as we move in and moving one in as we move out.
7. For further information please contact Ms. Karen Piper.

Registration

Name(s): _____

(*If children, indicate age. A separate program will be available)
Address: _____

City State Zip

Phone: _____

3-day Option: \$ 145 per person:
Room, meals, events. How Many?

1-day Option (Saturday):
\$50/person: Meals, events. How Many?

*Children under 18: *a la carte*, pay on arrival but reserve now.

Enclosed is a check for \$ _____
to cover the above reservations.

Mail to: Karen Piper
19 Mill Rd.,
Harvard, MA 01451

Directions to Summerthing

(Since Newport is a major summer tourist attraction, it is best to avoid the traffic along the waterfront and the center of the city. The following directions will guide you to the "Summerthing" at Salve Regina College with a minimum of traffic problems.)

The office and accommodations for the ACS/AIC Summerthing are located on **Ochre Point Ave** opposite the famous mansion, "The Breakers".

From Boston: From Rt 128 take route 24 all the way to its end in Rhode Island at Route 114. Follow Route 114 about five miles to Route 214. Follow 214 through four traffic signals, passing the ocean, then get into left lane. Turn left at next traffic light, Bellevue Avenue. Three blocks after Narraganset Avenue, turn left at Sheppard Avenue. Continue to Stop sign. Turn right and right again into the ACS/AIC driveway.

From Providence: Take 195 East to Fall River. After passing over the Braga Bridge and under the City Hall, take the first exit, Route 24 South. Then Follow "From Boston" directions above.

continued on page 6

Election Results Directions

The results of the 1990 election for officers of the Northeastern Section follow. A total of 633 ballots were counted compared to 666 ballots in 1989; * indicates winning candidates.

CHAIRMAN-ELECT: *Katie Stygall, 560.

TRUSTEE: James A. Kaufman, 167; James D. Morrison, 194; *Phyllis A. Brauner, 240.

TREASURER: *James U. Piper, 545.

****COUNCILOR/*ALTERNATE COUNCILOR:** *Ernest I. Becker, 412; **Michaeline F. Chen, 441; **Arno H.A. Heyn, 437; Martin Idelson, 314; *Doris I. Lewis, 413; **John L. Neumeier, 443; Donald O. Rickter, 350; *Myron S. Simon, 401.

NOMINATING COMMITTEE: Iclal S. Hartman, 193; *David M. Howell, 311; Richard Milius, 286; *Michael E. Strem, 377.

NORRIS AWARD COMMITTEE: *Elmer E. Jones, 348; Peter Pappas, 238; Jayant N. Sane, 245; *Marco H. Scheer, 285.

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From New York: From 195 North or Route 1 follow signs to take RI 138 East over the Jamestown and Newport Bridges (toll-\$2.00 or token). Take the very first exit (the sign may be covered). At the Stop sign go right. At the traffic light go left (Van Zandt Avenue). Continue straight ahead through one Stop sign. At the next Stop sign (Broadway) go left and then take the first right (Gibbs Avenue). Follow Gibbs to the end. You will be on Memorial Blvd (a split roadway, a stone wall is directly ahead). Move into the left lane. Within the second block you will see a sign Salve Regina College. Go left, go left, go right (Annandale road). Go to the end. Turn L left (Narragansett Avenue) Take the first right (Ochre Point Avenue). continue for three blocks (Webster, Leroy, Sheppard). The driveway is just after Sheppard on the right. ◇



Adrienne S. Dey (r.) receiving a recognition for her 10 years as editor of the *NUCLEUS* from Jean M. Vnenschak, the 1989 chairman of the board of Publications.

A.C.S. Spring Meeting

continued from page 4

Public Relations

Among other activities of the committee, a list of 33 local, state and federal legislators and other officials was assembled and invitations to attend the Presidential Plenary Session were issued by president Paul Gassman.

—Michaeline Chen, Chairperson
Subcommittee members:

Kenneth Brody, Emily McHugh,
Nathaniel Schneider, Katie Stygall

Employment Clearing House

The National Employment Clearing House was operated at the Hynes Convention Center by the hard-working ACS Staff—Joan Wheeland, John Michael Sophos and Anjalika Silva. A unique feature, introduced at Boston by the Northeastern Section, solicited volunteer Northeastern Section members, spouses and friends to replace a cadre of paid clerical workers to process the applicants and employers (and save the ACS several thousand dollars). In response to an earlier request in the *NUCLEUS*, we are indebted to the following Northeastern Section people who responded: Nina Baranowska, Charles Bardsley, Edward Callguri, Alan Davis, Edmund Freeman, Esther Garber, Michael Gopikanth, Anne Gounaris, Ernest Kaswell, Martin Knell, Sylvia Knell, Arlene Light, Truman Light, Amy Lurier, Marian McCurley, Anne Miller, Sally Seekings, and Edward Shanley.

The statistics of the NECH are impressive. There were 970 candidates, 207 employers listing 486 positions. Over 2,600 interviews were scheduled. The number of candidates was twice that of the 1989 Fall meeting and included a large number of soon-to-be graduated candidates from the many universities in the Boston area. No conclusion could be reached as to whether the ratio of candidates to employers represented any change as an economic indicator.

—T. Light

October Meetings

The regular meeting will be held on Thursday, October 11, 1990 at Simmons College. Jarvis L. Moyers will speak on the Role of Atmospheric Chemistry in Global Change. Dr. Moyers is the Program Director for Atmospheric Chemistry at the National Science Foundation.

NEW SECTION MEMBERS: The Board of Directors of the Northeastern Section invite all members who have joined or transferred to the Section within the last year to dinner on October 11, 1990 at Simmons College. The program will start with

a social hour at 5:30 PM, dinner at 6:15, and Dr. Moyers' lecture at 7:30. Please reply to Professor Iclal Hartman, Chairwoman of the Membership Committee, at (617) 738 2181 or to Mrs. Piper at (800) 872 2054 by September 11, 1990.

In addition, the **Professional Relations meeting** will be held Thursday, October 18, 1990 at Henderson House, Weston. Dr. Alfred Bader, Chairman of Sigma-Aldrich will speak on *Challenges at Sigma-Aldrich*. For times and directions, please see the October *NUCLEUS*. ◇

Board of Directors

Meeting of April 5, 1990, Condensed Minutes

Treasurer: J. Piper provided the current status of operating funds. The Commonwealth of Massachusetts has waived the annual independent audit for 1988, which will save about \$6,000.

Board of Publications: C. Costello: the special 32-page April *NUCLEUS* has been mailed and 6000 copies will be available for meeting registrants in Boston. There will be a 16-page summer issue, to be mailed June 25.

Nominating: M. Strem: no replacement candidate for Chairman-elect could be found for filling the void left by the withdrawal of one of the candidates.

Public Relations: K. Stygall: WBUR and Channel 56 TV will be covering the Esselen Award ceremony, including an interview of Dr. Dougherty, the awardee.

Senior Chemists: E. Becker reported on two well-attended meetings.

Safety: M. Strem reported for F. Wagner on the establishment of the Academic Safety Council to be active in areas of laboratory safety.

Speakers Bureau: M.A. Solstad appealed for speakers to address students

at Medfield High School during their Science Career week.

Chemical Education: D. Bagley: all is in place for the Ashdown competition. **NERM 23:** T. Gilbert: NERM 23 in 1993 in the Boston area will probably use university or college space because of lower charges for rooms and facilities.

National Meeting: Sufficient volunteers have come forward (114 total). W. Gleekman: tickets for the Red Sox game on April 24 are selling well.

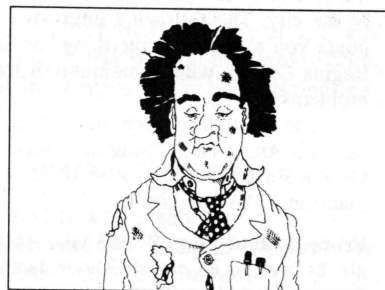
New Business: The bylaw amendments for restructuring the ACS dues were explained and discussed. T. Light conducted a straw vote. 6 favored the graduated dues by income, 8 favored the graduated dues by length of membership, 6 opted for the status quo.

Nominating Committee: The Board elected two representatives, T. Gilbert and W. Gleekman, from a slate of four candidates.

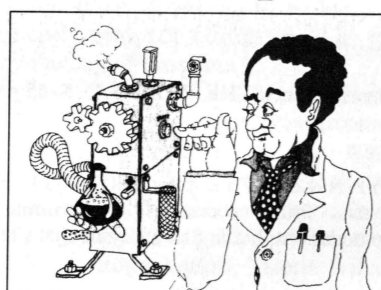
FAX numbers: E.J. Billo suggested that FAX numbers be included in the listing of board members. He also suggested including them in a future Section Directory.

—Michael J. Hearn, Secretary ◇

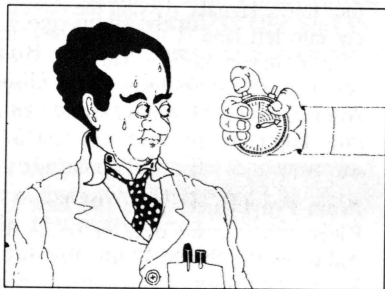
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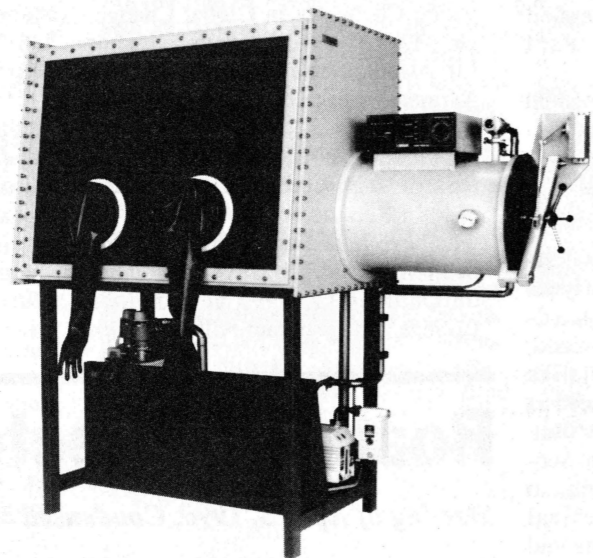
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continued on page 16

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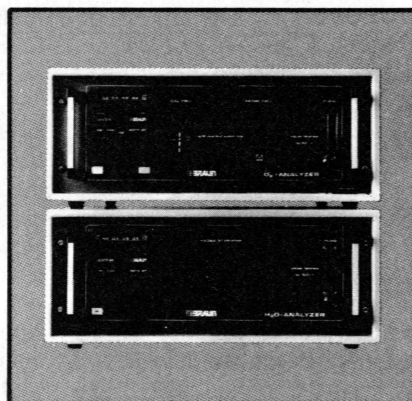
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HIGH SCHOOL EXAMINATION CONTEST**

| STUDENT | SCHOOL | TEACHER |
|--|--------------------------|--------------------|
| First Prize - The Simmons College Prize | | |
| Atipat Rojnuckarin | Phillips Academy | Leslie Ballard |
| Second Prize - (Co-awardee) | | |
| Joshua S. Megerman | Newton South High School | J. Walter Brough |
| Second Prize (Co-awardee) | | |
| Adam Nyman | Medfield High School | Judy Noble |
| Second Prize (Co-awardee) | | |
| Carl D. Elkin | Wayland High School | Jacqueline Arendt |
| Third Prize (Co-awardee) | | |
| Alison E. Roberts | Winchester High School | William J.R. Marks |
| Third Prize (Co-awardee) | | |
| Oliver J. Rando | Newton South High School | J. Walter Brough |

HONORABLE MENTION-FIRST YEAR

| | | |
|-------------------|------------------------------|---------------------|
| David A. Foti | Wayland High School | Jacqueline Arendt |
| Shuji Takahashi | Littleton J./Sr. High School | Fred Fitzpatrick |
| Peter C. Jones | Winchester High School | William J.R. Marks |
| Tomasz Wisniewski | Cambridge Rindge & Latin | Edward McGillicuddy |
| Ceara C. McNiff | Winsor School | Janice Gepner |

HONORABLE MENTION—SECOND YEAR

| | | |
|-------------------------|-------------------------------|------------------|
| Zachary P. Demko | Newton South High School | J. Walter Brough |
| Joel M. Oster | Boston Latin High School | Dalia Ivaska |
| Sean P. Smith | Norwood Sr. High School | Paul Frost, Jr. |
| Jon A.G. Auerbach | St. Paul's School | Peter Tuttle |
| John M. Toomey | St. John's Prep. | Renee Zimmerman |
| Clay C. Wang | St. Paul's School | Peter Tuttle |
| Nicholas G.W. Van Dusen | St. Paul's School | Peter Tuttle |
| Anna-Marie Blinn | Littleton Jr./Sr. High School | Fred Fitzpatrick |
| Charles P. Tung | Concord Carlisle Regional | Linda Glass |
| Robert J. Kindel | Newton South High School | J. Walter Brough |
| Corey Cheng | Framingham North High | Harvey Gendreau |

**THE NORTHEASTERN SECTION
AWARD FOR EXCELLENCE IN TEACHING OF
SECONDARY SCHOOL CHEMISTRY**

| | |
|----------------------|-----------------------|
| Laura Wick Hollowell | Wellesley High School |
| Ann Marie Ladetto | Dartmouth High School |

CONTRIBUTORS

We gratefully acknowledge the contributions of the following supporters of the Avery A. Ashdown High School Chemistry Examination contest.

- The Greene Rubber Company
- The Kendall Company
- The Polaroid Corporation
- Raffi and Swanson, Inc..
- Simmons College
- Strem Chemicals, Inc.



The 1990 Norris Undergraduate Research Scholars: James E. Dowling, U. Mass.-Boston; Colby Elizabeth Stanton, Wellesley College; Michael D. Beachy, M.I.T.



Dr. Irwin Taub with the co-winners of the Northeastern Section Award for Excellence in Teaching of Secondary School Chemistry: Ann Marie Ladetto and Laura Wick Hollowell.



The 1990 Inductees to the Aula Laudis Society for Exemplary Teaching of Chemistry: Mark Ryan, Carleton Warren, Jacqueline Arendt, Harry Stubbs, Marco Scheer.



Professor Iclal Hartman, Chairman of the Simmons College Chemistry Department, presents the Simmons College Prize to Atipat Rojnuckarin of Phillips Academy, winner of the Ashdown Competition.



Mrs. Levins presents the Philip L. Levins Memorial Prize to James A. Hill of M.I.T. as Dr. William Foye looks on.

continued on page 13

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The Professional Relations Column

by Donald J. Berets

[We are fortunate to have as our guest columnist this month Dr. Donald J. Berets, the 1990 Chairman of the ACS National Committee on Professional Relations. He is a Councilor, Western Connecticut Section and president of the Chemists Group, Inc., a consulting and temporary employment organization based in Stamford, CT-M.S.S.]

The ACS Council Committee on Professional Relations (CPR) has a mission that even Superman might hesitate to undertake these days: "To enhance the professional status and economic security of ACS members. To promote the professional roles and ethical conduct of chemists in the institutions in which they work and the society in which they live."

The Committee, which consists of 15 Councilors who meet twice a year (at the national meetings), is supported in accomplishing its goals by the year-round efforts of the very capable staff of the ACS Office of Professional Services in Washington. Many of the services that are available to ACS members have already been noted in recent columns by Myke Simon, including such employment services as: the National Employment Clearing House and the CHEMJOBS USA newspaper clipping service; the many specialized publications, such as "Professional Employment Guidelines", "Coping with Job Loss", etc. The key to utilizing these is to contact your local Section office or the ACS Washington office.

Person-to-person services at no cost are also now available through a Career Counseling program established in 1989 for which currently 23 experienced and qualified volunteer consultants, located around the U.S., have been appointed. These individuals will meet with or review problems by phone to assist members who need immediate, objective career advice or other help. Entry into this support system is via the ACS Hot Line: 800-227-5558.

In addition to the many new services, the traditional "Member Assistance" program continues, whereby members who feel that they have professional problems or grievances, in either academic or industrial environments, can seek the consideration and support of a dedicated CPR subcommittee on a strictly confidential, cost-free, basis. Contacts can be made via the Hot Line or to Mrs. Maria Snow, (202) 872-4436.

Taking a somewhat longer perspective, CPR has been increasing its emphasis on another aspect of its mission: to deal with matters concerning professional and scientific ethics. It is our belief that a significant component of the "chemophobia" which is prevalent today is linked to a public perception of a decline in ethical standards, and therefore the credibility, of scientists generally, including chemists.

Among the initiatives that CPR has taken are:

1. Preparation of a set of Academic Professional Guidelines, similar to those that have been available for industry for more than two decades. It is expected that these Guidelines will be approved by the ACS Council and Board of Directors this fall.

2. Preparation of an ACS statement and recommended guidelines for federal conflict of interest policy, for submission to NIH, an agency especially concerned these days (along with Congress) about conflicts of interest among recipients of federal grants.

3. A program to prepare a practical set of ethics statements, to supersede "The Chemists Creed" (which has become somewhat archaic.) It is not unreasonable to think that in the future, ACS members should subscribe to an approved code of ethics as a condition for membership.

4. Activation of the appropriate By-Law provisions to remove from membership any member who has been convicted of felony crimes as-

sociated with or arising from the practice of chemistry. There have been a number of such instances reported in the press during the past year, including cases of bribery, receiving of bribes, deaths resulting from the synthesis and sale of illegal drugs, etc. While it is hardly probable that the threatened loss of a subscription to C&EN or the use of ACS employment services will deter a chemist from a life of crime, we like to think that we are at least moving in the right direction.

In conclusion, I urge all members to explore the scope of services and activities that the ACS carries out on behalf of its members. If you don't find what you need, write or phone the Office of Professional Services. It's your society! ◇

Professional Consulting Chemists' Group

Conditional approval has been given to start the Professional Consulting Chemist's Group within the ACS Northeastern Section, and the first meeting/ presentation given by this interest group is scheduled for October, 1990.

By hosting meetings every other month which follow seminar or workshop format, the Professional Consulting Chemist's Group will provide interested members of the Northeastern Section with the information needed for initiating and maintaining a successful consulting practice. Participants for the group are needed immediately: a minimum of 30 members must be signed up soon to guarantee continuation of the group, and volunteers are required who can donate some time to planning the first October presentation.

Please contact Debra Saez at (508) 521-1327 for further information. ◇



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Chemical Education Awards

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AULA LAUDIS HONOR SOCIETY FOR EXEMPLARY TEACHING OF CHEMISTRY

Jacqueline Arendt
Mark Ryan
Marco Scheer
Harry Stubbs
Carleton Warren

Wayland High School
Medford High School
Keene, Retired
Milton Academy, Retired
Brookline High School, Retired

1990 JAMES FLACK NORRIS UNDERGRADUATE RESEARCH SCHOLARS

| STUDENT | TOPIC | ADVISOR |
|-------------------------|---|--------------------------|
| Colby Elizabeth Stanton | Wellesley College <i>²³Na Chemical Shift Imaging as a Probe of Intracellular Fluid Dynamics</i> | Dr. Nancy Kolodny |
| James E. Dowling | UMass - Boston <i>Studies of Pyrazolidinium Ylids</i> | Prof. J—P. Anselme |
| Michael D. Beachy | M.I.T. <i>Synthesis of ZnS Clusters by Block Copolymer ROMP Techniques</i> | Prof. Richard R. Schrock |

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CONTRIBUTIONS

Contributions are required to continue the support of the Ashdown High School Examination Contest, Aula Laudis Honor Society and the Award for Excellence in Teaching of Secondary School Chemistry. Please contact Dr. J. Piper at the NESACS business office if you care to help support these activities.

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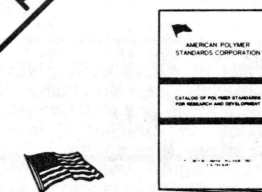
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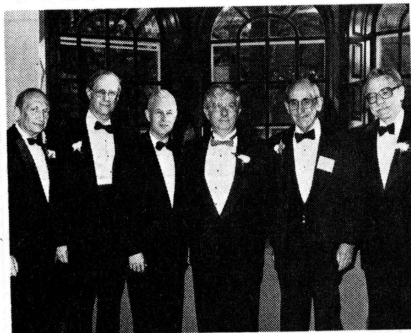
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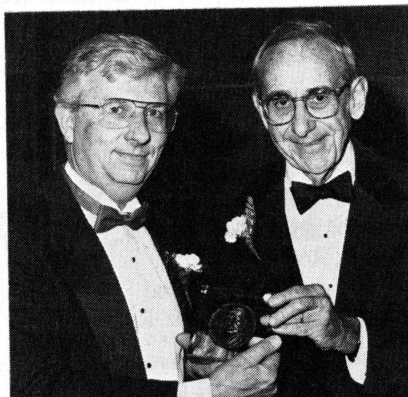
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Participants in the Esselen Award Ceremony and Committee members: (L to R) Truman S. Light, Arthur S. Obermayer, William O. Foye, Thomas J. Dougherty, Gustavus J. Esselen III, Myron S. Simon.



Thomas J. Dougherty (left) receives the Gustavus J. Esselen Award Medal from Gustavus J. Esselen III.

Northeastern Section Social Hour at National ACS Meeting in Washington

Because of the great success of the Northeastern Section's Reception held at the Boston ACS meeting, we decided to hold a similar function at the Washington ACS Meeting. Members and friends of the Northeastern Section, and faculty, students and alumni of the colleges and universities in the Northeastern Section are invited to a social hour hosted by the Northeastern Section at the Washington meeting on Wednesday, August 28th, from 6 to 8 PM. The location will be published in *Chemical & Engineering News*. Watch for it. ◇

The Section has learned with sorrow of the death of two of its members: Hemalata M. Dali, 48, Professor at Univ. of Mass., Boston. Raphael Stafford, 88, Retired industrial chemist.



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Massachusetts Biotechnology Education Survey Project

Massachusetts has long been the wellspring for new and innovative technologies in industries. We have many of the world's most outstanding educational institutions within our boundaries. This resource has enabled Massachusetts to become a leader in the growing field of biotechnology.

Currently there are more than 100 companies in Massachusetts involved in biotechnology and support services to the industry. According to Ernst and Young, a national accounting firm, nationally the industry currently generates about \$1 billion in sales. This is projected to grow to \$100 billion by the end of the 1990's. If Massachusetts maintains its current 20 percent share of the market, this should equate to between 30,000 and 50,000 new jobs in Massachusetts by the end of the century. The need for a coordinated educational system to train employees becomes very crucial if Massachusetts is to remain competitive.

The Biotechnology Education Survey Project was created in an effort to address this need. The Project will provide information to industry about Massachusetts educational programs which train future employees, to educators about careers in the biotechnology industry which will be available to their students, and to teachers about science partnerships and collaborations for teacher training.

As result of the Survey, a Directory will be published. The directory will contain three main sections. The first will be a listing of all post-secondary school programs which prepare individuals to work in the biotechnology industry. This will serve as a resource to industry for their human resource needs. The second section will be targeted toward middle and high school teachers and counselors as a tool to direct students to science and biotechnology careers. It will contain job descriptions of positions in the biotechnology industry. These will include information about job tasks, educational requirements, job outlook

and salary expectations. It will also describe career paths in science.

The third section will describe the numerous partnerships and collaborations between industry, schools and colleges, universities and other educational resources which provide teacher training programs.

The objective of the Directory is to support science and biotechnology education and to provide the numerous individuals concerned about its future with a comprehensive resource guide.

The Project is being funded by the Bay State Skills Corporation, a quasi-public corporation mandated by the Commonwealth to develop education and training partnerships in Massachusetts which are responsive to industry needs. The project is directed by Fenna Hanes of Hanes Associates. For further information or suggestions about inclusion of important information, please contact Ms. Hanes at the Bay State Skills Corporation (617) 292-5100. ◇

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APOLOGY: Due to the insertion of ballots in the May issue, our mailer could not meet the deadline, so most of us did not receive the NUCLEUS on time. We regret this deeply.

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A.C.S. Spring Meeting

continued from page 7

Council Meeting April 25, 1990

The Council Meeting in Boston promised to be a lively one because of the amendment petitions concerning changes in the dues structure of the ACS.

"Membership Dues Calculation" sought to provide graded dues between 50% and 100% on the basis of professional income. "Dues Incentive for New Members" was to provide the graded dues based on years of membership in the ACS. The parliamentary situation was complicated by the fact that the second petition was handed in half a year later, and in order to have them discussed and voted at the same time, it was brought up under the provision for "Urgent Action". The CPC subcommittee came up with a detailed procedure covering all conceivable "what if's".

However, confusion was avoided when, on the afternoon before the Council meeting, representatives of the two sets of petitioners got together to ask that both petitions be referred to the Committee on Constitution and Bylaws, to be re-written to make them "revenue neutral" and to be voted on at the Spring 1991 meeting.

The problem with "revenue neutral" arose because in order to obtain the same income the base dues under both petitions had to be increased, but figures for the dues escalator were not available at the time the petitions were written and the base dues stated in the petitions were too low. A floor amendment to increase that amount would be out of order under Robert's Rules.

The Council therefore voted Urgent Action on the second petition, and also voted to refer both petitions as requested, thus averting a long and possibly fruitless debate.

After this vote the Council agreed to take a straw vote on which of the three possibilities the Council preferred: No change, dues based on professional income, or dues based on years of membership. The straw vote was overwhelmingly in favor of no change. Of the remaining votes, there was a slight preference for basing dues on years of membership. This straw vote was for the guidance of the petitioners and may well result in both petitions being withdrawn for the time being.

The other petition to be voted at the meeting, "Enrollment in a Division" was non-controversial and was approved; it provides that members who wish to join a Division do so by "enrolling with the Division". The

previous wording required enrolling with the Secretary of the Division.

In the Councilor caucuses there had been a discussion of the petition which is to be acted upon at the fall meeting: "Structural Change in the ACS", which seeks to set up Chemical Abstracts and other publishing activities as a "...separately established subsidiary organization...". The legal and possible tax consequences of such a change are uncertain and might endanger the tax-free status of the publishing operations, and perhaps even of the whole ACS. There are bills before Congress on the tax-free status of organizations which makes the whole picture very murky.

On recommendation of the Committee on Budget and Finance, the full dues escalator was voted for 1991, to result in dues of \$86. No other committee objected, because even with the full escalator some dues-supported programs will have to be cut since last year no increase was voted.

—A. Heyn ◇

Due to space limitation the box score of Councilors' votes at the Spring Meeting by E. Garber will appear in the October NUCLEUS.

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