

## 2002 Spring

Councilor W. H. Daly

On the surface the council meeting at Orlando was ho-hum. We selected Profs. Charles P. Casey, University of Wisconsin, Madison and Alvin L. Kwiram, University of Washington, Seattle as candidates for 2003 President-Elect. The election will be held this fall.

The Council approved a recommendation from the Committee on Committees (ConC) to continue the Committee on Science. The status of the Women Chemists Committee (WCC) was changed from "Other" Committee of the Council to a Joint Board-Council Committee by voice vote of the Council. WCC will now report to both Council and the Board. A petition to increase the size of Council committees was withdrawn to allow further deliberations.

Committee on Budget and Finances reported that Society finished fiscal year 2001 with a net deficit. The budget for fiscal 2002 is projected with revenues of \$345 M and expenses of \$347 M, resulting in a net deficit of \$2 M. After this report, the full dues escalator was approved for 2003, raising the annual dues from \$112 to \$116, without any discussion from the floor. The good news is the deficit is a wake-up call. A task force charged with reviewing all the expenses of the Society has been appointed.

Those were the only action items brought before Council. The real action was behind the scenes in the Committee meetings and Caucuses prior to the Council Meeting. The main item for discussion was a petition to change Local Section and Division Support developed by a Presidential Taskforce on Local Section/Division Finances. The petition proposed to make the primary support of both local sections and divisions come from dues revenue by allotting 20% of the individual dues to a local section/division pool. The allotments to Local Sections would be distributed in accordance with procedures developed LSAC and approved by Council. In an exactly analogous fashion, the Division allotments would be distributed in accordance with procedures developed DAC and approved by Council. The distributions would be contingent upon receipt of the annual report prior to a forfeiture date as specified by either LSAC or DAC and would include a base allotment, an allotment tied to total membership and may include distributions based on other factors such as programming.

The most controversial portion of the petition was the method for dividing the funds. The petition proposed "These funds shall be divided between Local Sections and Divisions according to the fraction of total memberships using the second preceding year membership figures. Total memberships shall be defined as the sum of the number of members and National Affiliate of each Local Section and according to the number of members and National Affiliate of each Division. Total memberships shall not include Local Section Affiliates or Division Affiliates." Although new members are automatically assigned to local sections, membership in divisions is elected and voluntary. However, a Society member can be a member of several divisions and thus be counted more than once in the division membership pool. Effective recruitment by divisions could distort the membership distribution between local sections and divisions and influence the funds distribution.

## 2002 Spring Reports

The objective of the petition was to enhance funding to both Local Sections and Divisions based upon dues driven, membership based funding formula. After trying to sell the idea to various council committees and caucuses, at the Orlando Council meeting, almost all of the petitioners who signed the original petition signed a sheet withdrawing the petition. The petition, as submitted, would have never passed in Boston. Thus, it has been withdrawn and a new petition planned.

Frank Blum, Chair of DAC and a leader of the task force sponsoring the petition summarized the major issues to be addressed as follows:

### Issue 1:

Councilors were not given enough time or information to digest before, or during, the Orlando meeting. By the Boston meeting, we must use every means within our disposal, including a web site, to inform the Local Section and Division councilors. Ask your Local Section councilor about it. If the members of the local sections express an interest, their councilors must take the time to become informed.

### Issue 2 (and its variants):

- a. The proposed formula put divisions and local sections in competition for a fixed pool of money (20 % of dues). Many felt this could lead to competition, not collaboration and cooperation.
- b. The formula was cumbersome and complicated.
- c. The formula could be manipulated by divisions through low dues to get the allocation monies (this is actually not a likely scenario, but is certainly perceived as a problem).
- d. The support to local sections could drop below the current levels (based on the formula), violating one of the recommendations of the first task force—that increased support for divisions should not come at the expense of local sections.

Proposed Solution: Fix the percentage of dues allocated to divisions at 45% and local sections at 55% of the total (20% of dues). This was passed upon by the task force. It was not unanimous, but it may be passable by Council. It will be a large increase for Divisions and a smaller one for Local Sections. The percentage is based on recent membership numbers (143,000 Local Section memberships and 116,000 Division memberships). In principle, the relationship used to set the percentages is only related to memberships for the above year. After that, the membership numbers will change, but the percentage for funding will stay fixed until such time as it is changed again.

Based on these numbers, the split would be roughly \$1,431,000 for Local Sections and \$1,171,000 for Divisions. For comparison, the 2002 allocation for Local Sections was \$1,317,000 and for Divisions was \$378,000. The increase in total allocation would be \$907,000.

### Issue 3 (and related):

- a. The amount of money is large (current estimate is an increase of about \$900,000).

## 2002 Spring Reports

- b. The Society is currently dipping into its reserves to fund current programs.
- c. What are we going to cut to fund it?

### Proposed Solution:

The amount of money is large. But the volunteer base is critical to the Society. Ultimately the Board of Directors and the Committee on Budget and Finance have the Society-wide view to prioritize the spending of the Society. The Society's budget is on the order of \$390 million or so. This increase is about 0.25% of its budget. Councilors need to identify support for the two main volunteer groups of the Society as a priority. Surely we can find 0.25% or so in lesser priorities. Also, the changes should they be approved would take place Jan. 1, 2004. The economic picture and the budget may look much different by then if our investment pool picks back up.

### Issue 4:

Allocations support for meeting programming seems to have disappeared?

### Proposed Solution:

The current approach to supporting meeting programming by direct allocation from the Society is under scrutiny by the IRS. In some cases this approach could put the nonprofit public corporation status of some divisions in jeopardy. We must use member derived funds to cover meeting expenses to avoid this problem. However, when the funds become available from an appropriate source, it is the intention of DAC to increase meeting allocations.

### Issue 5:

- a. Will the Society dues automatically go up to fund this initiative?
- b. How much would dues have to go up to cover it?

### Proposed Answer:

No, there is no provision for that to occur in the proposed changes. Dues would need to increase about \$9 if it were to be paid for this way, but it would take an additional bylaws change to do this.

The proposed changes in Local Section and Division funding are probably the most significant issue to come before council in recent years. It will impact all of you, but it is most critical for division members. Last year five of the thirty three divisions (including POLY) operated in the red and nine of them are holding reserves equivalent to less than one year's annual expenditures. Our current sources of income associated with programming are diminishing, while our obligation to program remains one of the primary responsibilities of the division. To meet our obligations, it is essential that the Divisions receive a stable source of funding at a level that enables them to program effectively. The task force believes that the concepts described above will provide that funding in a fair and equitable manner.

We hope this extensive recitation of the dues petition details and the arguments anticipated during subsequent debates will enable you to conduct informed dialogs with colleagues, who are only members of local sections. Grassroots support will definitely enhance the possibility of

## 2002 Spring Reports

enacting the proposed changes. We will keep you informed of any new developments associated with the petition. The next round will take place in Boston. Stay tuned.

## COMMITTEE REPORTS

### From the POLY Board Meeting

April 6, 2002

#### Secretary S. Pollack

I am pleased to be writing my first secretaries report. With Mary Baker in Cairo, I had to hit the ground running for the Winter ExComm and Spring National meetings. It was exciting, but Mary was able to provide long distance assistance and things ran quite smoothly. I am also pleased to welcome Valerie Sheares of Iowa State University as the Assistant Secretary. Valerie will also act as Arrangements Chair, assisting the Secretary in setting up for POLY functions at future ACS National meetings. Among other transitions, I have moved from Howard University to the Naval Research Laboratory. I can be reached there at (202)-404-6034 or Steven.Pollack@nrl.navy.mil. I am hoping to revamp the look of the newsletter for next year, so your input as to what you want to see, layout and other editorial issues is most welcome.

#### Polymer Preprints S. Israel, P. Cassidy

The Orlando issue of *Polymer Preprints* marked the beginning of our second year of publishing both a CD and Print version in addition to posting the Preprints on the WWW. The Orlando *Polymer Preprints* contained preprints from 5 Symposia, 3 Award Symposia and General Papers for a total of 464 papers presented with 412 Preprints published. (ACS Award Symposia do not require preprints.)

Boston Overview: The deadline for submission of Preprints for the Boston Meeting was April 17th. The Boston *Polymer Preprints* will contain preprints from 6 Symposia, 1 Award Symposium and General Papers. To date, we have received over 700 preprints and it is anticipated that the Boston Preprints will set a record for the number of Preprints published. This means we will be pushing the capacity limits of the CD Rom, and with this in mind, it was necessary to set a file size limit of 1 MB for all Preprints. The editors want to thank all the authors for diligently preparing their preprints and keeping within the size and editorial guidelines.

Financial Status: As can be seen from the Table below, the overall cost of delivering Preprints continues to fall. We are experiencing significant savings in the cost of delivering the CD version due to the fact that we continue to streamline the process and move some of the production steps from Mira to the Preprints editorial staff. We continue to invest in improvements to the functionality of the CD and some of these costs have been/are "one-time" expenses. The Print Version of *Polymer Preprints* remains very expensive and is expected to rise. Printing and postage are the major cost items and these are generally not under our control. The per book charge for the spring issue was approximately \$19.00 and it is anticipated that the Fall issue will approach \$25.00. These costs are less than the corresponding 2001 issues. Currently fewer than 250 members subscribe to the Print version and approximately 50 more purchase or order with new membership the Print version at the Division booth. At \$50.00 per year we are covering the direct costs of producing and mailing the Print Copy.

## 2002 Spring Reports

<u>2002 Issues</u>	<u>Copies</u>	<u>Cost</u>	<u>Total Cost</u>
43(1) Orlando			\$49,240
CD Copy	8,500	\$33,540	
Print Copy	800	\$15,700	
43(2) Boston (Projected)			\$54,900
CD Copy	8,000	\$35,500	
Print Copy	800	\$19,400	
Editorial Administration			\$20,000

Southwest Texas State University has increased its commitment to provide office and infrastructure support at no cost to the Division. In 2002 SWT has agreed to staff the Preprints office with one full and one part-time senior editorial administrator; the editors serve at no salary.

It is a goal of the Editors to elevate the stature of Preprints in the world of scientific publishing. Pursuant to this goal we are striving for a uniform look and consistent formatting (Macromolecules format) of each and every preprint. We endeavor to make Polymer Preprints the benchmark for scientific publications of its type. We can improve only with your help. Your input and suggestions for improvements to both the CD and Print copies is earnestly solicited.

## 2002 Spring Reports

### **Treasurer K. O. Havelka**

At the beginning of 2002, the Division is trying new things and at the same time trying to get the budget in line. POLY ran a deficit last in 2001 due to many factors, preprints and workshops being the largest. In the past, our investment income would have been sufficient to offset the over-ride. On the budget side, POLY is working to reduce the cost of electronic preprints, increase income from workshops, and increase advertising income. In these uncertain times, to get our finances back on track, significant belt tightening is recommended. My recommended changes include:

#### Expenses Reductions

Reduce the cost to publish Polymer Preprints

Eliminate matching funds trial for symposia

Reduce Executive Committee and other committee subsidies

Reduce extra-curricular expenses - solicit for funding from other places

#### Areas to Increase Income

Increase dues from \$20 to \$30

Increase advertising in Polymer Preprints

Increase funding from Industrial Sponsors

Web-casting and video conferencing of current topics, e.g., nanos, fuel cells, ...

Increase symposia information at booth, e.g., sell symposium preprints, or symposium presentations (Power-Point slides).

**Publications K. L. Wooley**

The number of ACS Symposium series books that have been contracted and published based upon POLY Division symposia in the past twelve months has decreased significantly over past years. The following are lists of Division of Polymer Chemistry symposium-based books that have been published or that are being developed under contract with ACS Books in partnership with Oxford University Press during April 2001 to April 2002.

ACS POLY Symposium-based Books Published (April 2001 — April 2002):

1. *Optical Polymers: Advances in optical fibers and waveguides*, Ed. Harmon and Noren, ACS Symposium Series No. 795, Publication Date: August 20, 2001, \$120.00
2. *Polymer Processing in Microgravity*, Ed. Pojman and Downey, ACS Symposium Series No. 793, July 10, 2001, \$120.00

ACS POLY Symposium-based Books Under Contract (April 2001 — April 2002):

1. *High Resolution Spectroscopy of Polymers*, Ed. Cheng and English (San Diego, CA, ACS Meeting, April 2001)
2. *Silicones and Silicone-modified Materials*, Ed. Clarkson (San Diego, CA, ACS Meeting, April 2001)
3. *Advances in Photoinitiated Polymerization*, Ed. Crivello and Belfield (Chicago, IL, ACS Meeting, August 2001)
4. *Chromogenic Phenomena in Polymers: Tunable optical properties*, Ed. Jenekhe (Orlando, FL, ACS Meeting, April 2002)

The Committee on Divisional Activities has formed a Task Force to Explore Future Mechanisms for Dissemination of Material Presented at Symposia. Information and results from the activities of this task force are forthcoming.

## 2002 Spring Reports

### **Workshops J. S. Riffle, N. L. Byerly**

Workshops are scheduled through 2003. We would like to add one more to 2004, possibly at the Asilomar Conference Center in Pacific Grove, CA. Please contact Judy Riffle (judyriffle@aol.com) or Neta Byerly (nbyerly@vt.edu) if you are interested in hosting a workshop.

### **2002 Meetings and Workshops**

#### Polymers and Organic Chemistry 2002

July 14-18, 2002

University of California, San Diego, California

Co-Chairs: Warren Ford & Spiro Alexandratos

#### Polyurethanes 2002

September 29 - October 2, 2002

Loews Annapolis Hotel, Annapolis, Maryland

Chair: James E. McGrath and Garth Wilkes

#### Fluoropolymers 2002 — Current Frontiers and Future Trends

October 13-16, 2002

Savannah Marriott Waterfront, Savannah, Georgia

Chair: Dennis Smith

#### Polymers in Medicine and Biology: 2002

November 13-16, 2002

Sonoma DoubleTree Hotel, Rohnert Park, California

Chair: Buddy Ratner

#### Biennial 2002 - Polymeric Nanomaterials

November 17-20, 2002

Sonoma DoubleTree Hotel, Rohnert Park, California

Co-Chairs: Alan English, Barry Farmer, and Richard A. Vaia

### **2003/04 Workshops/Meetings**

#### Fuel Cell Materials and Processes

February 23-26, 2003

Asilomar Conference Grounds, Pacific Grove, California

Co-Chairs: James E. McGrath and Tom Zawodzinski

#### 7th International Symposium on Polymers for Advanced Technologies

September 21-24, 2003

Radisson Bahia Mar, Ft. Lauderdale, FL

Co-Chairs: Robson F. Storey and Robert B. Moore

#### Polyolefins 2003

October, 2003

Sonoma County Doubletree, Rohnert Park, California

Chair: Jim McGrath

#### Polycondensation '04

Fall 2004

Annapolis, Maryland

Co-Chairs: Jim McGrath and Ed Paschke

### **Pending Workshops**

#### Single and Multi-phase Macromolecules with Branched Structures

Spring 2004

2002 Spring Reports

Williamsburg, VA  
Chair: Tim Long

**Regional Meetings W. T. Ford, T. J. Pacansky**

The Division of Polymer Chemistry (POLY) of the ACS wants to promote polymer chemistry at regional meetings and is willing to provide help if the general chair or the program chair requests it. From experience at ACS national meetings, the division has a network of people who know how to organize good symposia. POLY will help identify people in the host or nearby local sections to organize polymer sessions and will provide up to \$500 to support a well-planned regional meeting symposium. In turn POLY would like the opportunity to advertise its programs and recruit members at a table next to the room where the polymer chemistry sessions are held.

The criteria for POLY support are

- 1) There must be a full day symposium devoted to polymer chemistry.
- 2) The program should include one or more invited speakers.
- 3) To apply for support, the Program Chair or symposium organizer must send (a) a copy of the technical program to the POLY Committee on Polymer Programs at ACS Regional Meetings (currently Warren Ford and Tom Pacansky) and (b) a budget showing how the funds will be used to defray registration fees and travel costs of invited speakers.

John Sophos of the ACS Meetings Department provides lists of the general chairs and program chairs of the regional meetings, and we send an offer to support polymer programs by email.

During 2002 only the Great Lakes and Central regional meetings have polymer programs that qualify for support. The other five regional meetings either decided early not to have a polymer program or could not find a volunteer to organize a symposium.

**Industrial Sponsors R. S. Moore**

The Industrial Sponsors Group of the Division of Polymer Chemistry consists of the members listed below. In the past each member contributed \$1,000 per year to support polymer education and other polymer development activities. Thanks to the substantial efforts of H.N. Cheng the list has now been updated, and has been expanded to include small companies with less than 500 employees, which contribute \$500. Cheng has also led the effort to provide each Sponsor with a reference book of detailed information on the Industrial Sponsors Group. Through the efforts of Lesia Robertson in the POLY Division Office these books have now been printed and distributed to the Members and to the Coordinating Committee.

Industrial Sponsors Coordinating Committee: This committee, which consists of members of the Industrial Sponsors Group and the Division of Polymer Chemistry, coordinates the activities of the Industrial Sponsors Group. Current members are: R.S. Moore, H.N. Cheng, W. Daly, J. DiBattista, A. English, K. Havelka, R. Ikeda, M. Jaffe, I. Khan, R. Ottenbrite, T.J. Pacansky, C. Smith, and R. Stackman. This Committee met on Monday, April 8th, from 11 a.m. until 12 noon in the Rosen Plaza, Hospitality Suite 1.

**2002 INDUSTRIAL SPONSORS**

3M Company	International Specialty Products
Air Products and Chemicals, Inc.	Johnson Polymers
Ashland Specialty Chemicals Co.	Kosa, Inc.
BASF Corporation	Lubrizol Corporation
Basell Inc.	National Starch and Chemical Corp.
Bayer Corporation	PPG Industries, Inc.
Chevron Phillips	Phasex Corporation
Dow Chemical Company	Polaroid Corporation
E.I. Du Pont de Nemours & Co.	Polymer Chemistry Innovations, Inc.
Eastman Chemical Company	Polymer Source, Inc.
ExxonMobil Company	Proctor and Gamble Company
GelTex Pharmaceuticals, Inc.	Raychem/Tyco Electronics
General Electric (GE)	Rohm and Haas Company
Genesee Polymers Corp.	Shearwater Polymers, Inc.
Hercules Incorporated	Solutia
Honeywell, Inc.	Wyatt Technology Corporation

A special luncheon was held on Monday, April 8th, 2002 at the Orlando ACS Meeting in order to review present and future plans, and to enable current and prospective members to become better acquainted. Members of the POLY Executive Committee have also been invited to attend. The Twenty-third Annual Meeting of the Industrial Sponsors Group is being planned for the Boston ACS Meeting. As an alternative to the usual Industrial Sponsors Symposium, a special luncheon is being planned as a ticketed event on an ACS-wide basis, hosted by the Industrial Sponsors Group and co-sponsored by the Women Chemists Committee. SEE PAGE 31 OF THIS NEWSLETTER FOR MORE DETAILS! In addition, a half-day symposium will be held honoring Dr. Lloyd M. Robeson, the recipient of this year's Industrial Polymer Scientist Award. This symposium will be followed by a reception honoring Dr. Robeson. Final details of these events will appear in the Fall 2002 ACS program.

## 2002 Spring Reports

The major activities which are currently supported by the Industrial Sponsors Group, many in cooperation with PMSE via POLYED, include the Polymer Education Newsletter (PEN), workshops at schools to help to introduce polymer education, the Undergraduate Summer Scholarship Program, the Curriculum Development Award, tutorials, and free short courses on polymer science at national and regional meetings. Funding is also provided to the Intersociety Polymers and Plastics Education Committee. The competitive grant program initiated in 1991, "Improving the Public Perception of Polymers" is described below.

**IMPROVING THE PUBLIC PERCEPTION OF POLYMERS - I. KAHN:** This grant consists of up to \$10,000 distributed over three years for an innovative program directed toward improving the public perception of polymers. The proposals received in a competitive process are evaluated by the award committee based on feasibility, impact and originality. To date over \$52,000 has been allocated to this program. Under the leadership of Ishrat Kahn, the proposals received this year have been evaluated. The proposal selected for this year will be approved at this Orlando ACS Meeting. Further details can be obtained from Dr. Kahn. (Tel. 404-880-6847).

**INDUSTRIAL POLYMER SCIENTIST AWARD - ALAN D. ENGLISH:** This award was initiated in 1998 to recognize outstanding industrial innovation and creativity in the application of Polymer Science, conducted by individual scientists and research teams. The award consists of a plaque and an honorarium in the amount of \$2000. The award is usually presented at the Industrial Sponsors program during the Fall National ACS Meeting. The recipient is expected to present an address at a symposium organized in his/her honor. Travel expenses to the symposium are paid in addition to the honorarium. Commencing with this year's award, the award will be given every two years. Further details can be obtained from Dr. Alan D. English, Chairman of the POLY Awards Committee (Tel. 302- 695-4851).

**Awards Committee A. D. English, T. J. Pacansky**

The Paul J. Flory Polymer Education Award recognizes, encourages, and stimulates outstanding achievements by an individual in promoting undergraduate and/or graduate polymer education. The winner of the 2002 Paul J. Flory Polymer Education Award is Professor U. W. Suter of the ETH-Zürich. The award was presented in Orlando. Previous recipients of this award include Herman F. Mark, Carl S. Marvel, Paul J. Flory, Maurice Morton, Charles G. Overberger, George B. Butler, Eli M. Pearce, Leo Mandelkern, Eric Baer, Roger Porter, and James E. Mark. The DuPont Company currently sponsors the award.

A Distinguished Service Award was presented to Professor Frank D. Blum and an Award in Recognition for his Contributions as Chair of POLY was presented to Professor William J. Brittain. The awards were presented at the 2002 Spring ACS Meeting, in Orlando, FL.

The Industrial Polymer Science Award recognizes outstanding industrial innovation and creativity in the application of Polymer Science, conducted by individual scientists or research teams. The winner of the 2002 Industrial Polymer Science Award is Dr. Lloyd M. Robeson of Air Products and Chemicals, Inc. The award will be presented this Fall in Boston. Previous awardees include W. H. Mandeville, S. R. Holmes-Farley and A. D. English. The POLY Industrial Sponsors support this award.

The Herman F. Mark Polymer Chemistry Award recognizes outstanding research and leadership in polymer science. The winner of the 2002 Herman F. Mark Polymer Chemistry Award is Professor William J. MacKnight of UMass. The award will be presented this Fall at the 2002 Biennial in Sonoma, CA. Previous recipients of this award include Paul J. Flory, Carl S. Marvel, Maurice L. Huggins, Herman F. Mark, John D. Ferry, Charles G. Overberger, Walter H. Stockmayer, Michael Swarc, E. J. Vandenberg, Harry R. Allcock, James E. McGrath, James Economy, Murray Goodman, Robert Grubbs, Henry K. Hall, Jr., Robert W. Lenz, Leo Mandelkern, and Otto Vogl. The Dow Chemical Company Foundation currently sponsors the award.

The Carl S. Marvel Creative Polymer Chemistry Award recognizes and encourages accomplishments and/or innovation of unusual merit in the field of basic or applied polymer science by younger scientists. Nominees must be a member or affiliate POLY at the time of nomination, must have accomplished outstanding work in basic or applied polymer science, and shall not have reached his/her 45th birthday on January 1, 2003. The award will be presented in New Orleans in March, 2003. Previous recipients of this award include Louis J. Fetters, Wayne L. Mattice, Edward L. Thomas, Garth L. Wilkes, Robert S. Langer, David A. Tirrell, Sukant Tripathy, Krzysztof Matyjaszewski, Bruce Novak, Joseph M. DeSimone, and Craig J. Hawker. The nomination and accompanying material for the 2003 award must be postmarked no later than July 1, 2002. Address nominating material to: Alan D. English, DuPont Experimental Station, Wilmington, DE 19880-0356. The Dow Chemical Company Foundation currently sponsors the award.

## 2002 Spring Reports

### **2002 POLY Biennial Meeting A. D. English**

The Division of Polymer Chemistry 2002 Biennial Meeting will focus on Polymeric Nanomaterials. The meeting has been organized by A.D. English, B.L. Farmer, and R. A. Vaia. The 2002 Biennial will be held at the Sonoma Doubletree Hotel over the period of November 17-20, 2002. The early registration fee for POLY members is \$750. The technical and social program as well as registration were available at the POLY membership booth in Orlando FL and at

[http://www.chem.umr.edu/~poly/poly\\_link/meetings/biennial.1102.html](http://www.chem.umr.edu/~poly/poly_link/meetings/biennial.1102.html).

**Graduate Meeting Report J. Roberts**

The Division of Polymer Chemistry, Inc. will hold the 5th National Graduate Research Polymer Conference on June 22-25, 2003, at Lehigh University, Bethlehem, PA. The ACS Division of Polymer Chemistry established the Graduate Research Polymer Conference to address the needs of graduate students in all branches of polymer science and engineering. All graduate students working with some aspect of polymers are invited to submit abstracts for oral presentations or posters. Abstracts should be submitted online through the website by April 1, 2003, to receive full consideration. Notification of status will be sent by May 1, 2003. For abstract submission and additional information contact James E. Roberts, Program Chair, c/o Leanne Adamcik, Center for Polymer Science and Engineering, Lehigh University, 111 Research Dr., Bethlehem, PA 18015, Phone: 610-758-3590, Fax: 610-758-5880. Registration fees: \$95 (estimated) including breakfast (3), lunches (3), and dinners (2). Accommodations: \$28 per night (estimated) in Lehigh University Residence Hall.

## 2002 Spring Reports

### **Publicity E. Martin**

For the year 2001, Team Pub consisted of Hiep Ly (Kodak), Amanda Lattam (Clemson University), Aaron Forster (Clemson University) and myself (Rohm and Haas). As of this meeting, Hiep Ly will be taking over as Public Relations Chair and I will continue to participate on the committee while I serve as Membership Committee Chair.

Action items since the last meeting:

Paul J. Flory Award announcement in C and E News (page 42, Feb 4 2002 issue)

Event updates (workshops, awards, symposia, etc.) have been maintained on the electronic distribution list and web site

Posters were provided for the awards reception and symposium, Paul J. Flory Education Award symposium, and the ACS Awards in Polymer Chemistry and Applied Polymer Science symposia at this meeting

Working with the Membership Committee to recruit new members and advertise receptions and symposia at this meeting (Sunday night POLY poster session)

Working with the Membership Committee on the Local Section initiative to improve communications and foster cooperation between POLY and ACS Local Sections

Obtaining contact information on polymer graduate schools as part of an effort to tie in closely with the student populations and advertise POLY (also an initiative within the Membership Committee)

As always, Team Pub is here to serve the needs of the different committees within POLY. Please continue to utilize our resources to help promote the Division's programming and events!

**National Meeting Programming C. D. Smith, C. Bowman**

The Division of Polymer Chemistry had approximately 464 technical papers on the program of the National Meeting in Orlando, April 7-11, 2002. These technical papers may be divided into several categories: 135 oral and 57 poster presentations in topical symposia; 53 oral presentations in special award or anniversary symposia; and 48 oral and 171 poster presentations from general contributions. Highlights included:

2002 ACS Award in Polymer Chemistry Honoring Krzysztof Matyjaszewski sponsored by ExxonMobil Chemical Company

2002 ACS Polymer Division P.J. Flory Award in Polymer Education Honoring Ulrich Suter

2002 ACS Award in Applied Polymer Science Honoring James E. McGrath

Other symposia covered a wide range of timely topics of fundamental and applied interest: "Self-assembled Photonic Band Gap Materials" started with tutorial lectures, and then emphasize interaction of these types of colloidal crystals with light. "Recent Advances in Polymer Synthesis: Review and Progress in Methodology and Self-Assembly" is a special one-session symposium organized by Craig Hawker reviewing a wide range of current approaches for preparing polymeric materials. "Chromogenic Phenomena in Polymers: Tunable Optical Properties" covered a broad range of topics related to electrochromic polymers/devices, photochromic/stimuli responsive polymers, electroluminescence/tunable emission, polymers for chemical- and bio-sensors, tunable reflection and optically switchable materials, imaging, storage, patterning, and new polymers. "Polymer Diffraction Methods" covered recent academic and technological developments behind this type of characterization technology, including methods, biopolymer structure, evolution of structures and blend analysis. "Chemistry and Engineering of Polyolefins," cosponsored by PMSE and SPIE focused on emerging frontiers in the field, ethylene/alpha-olefin copolymers, polypropylene: old monomer-new polymers and general materials science issues in this field.

POLY is fortunate to have enthusiastic members who organize these outstanding programs for the entire polymer community.

All POLY abstracts and all Polymer Preprints for the Orlando meeting were collected by the ACS Online Abstract System (OASys). We continue to suggest improvements to ACS who now have a preprint help-line for authors to call. The system is working quite well for abstracts, but Polymer Preprints still suffer some problems, primarily in uptime and reliability of servers utilized by ACS (this meeting appeared better than past). Our turnaround is now quicker as a result of authors' realization of expectations, so our deadline for authors has been pushed back to about one month before the ACS deadline for program chairs. For Orlando, the timing was as follows: Author deadline was November 18, 2001; symposium organizer deadline was December 2, 2001 and program chair deadline for completion of program and delivery to ACS was December 18, 2001. This is about as tight as we can achieve under the current system in terms of author deadlines.

For the Fall 2002 meeting, the deadline for submission of Polymer Preprints and ACS abstracts at OASys is April 15, 2002.

Symposium plans for meetings through Boston Fall 2002 are complete. Symposia at the meetings in New Orleans Spring 2003, New York Fall 2003 and Anaheim Spring 2004 are partly scheduled to allow for programming of more timely topics as needed (see <http://www.chem.umr.edu/~poly/natl.meet.html>).

The committee aims to insure that symposia cover fundamental subjects in polymer synthesis, characterization and properties on a regular basis, and topics of industrial importance. The

## 2002 Spring Reports

schedule of symposia at future ACS national meetings is on the POLY web site. Suggestions for symposia are welcome at any time. A form is available at the POLY web site showing the information the committee needs to consider a symposium suggestion ([http://www.chem.umn.edu/~poly/poly\\_link/reports/sympprop.html](http://www.chem.umn.edu/~poly/poly_link/reports/sympprop.html)). Call, fax, mail, or e-mail suggestions to one of the program co-chairs, Christopher Bowman or Carrington Smith.

## 2002 Spring Reports

### **Macromolecular Secretariat - MACR M. Hillmyer**

Personnel: Robert Olfoli, COLL (olfoli@egr.msu.edu) - general secretary 2002. A representative from CELL will be the general secretary elect for 2003 — this person is to be determined. Don Schulz, PMSE (dnschul@erenj.com) - past general secretary 2001. Marc Hillmyer (hillmyer@chem.umn.edu) and Gary Wnek (gewnek@saturn.vcu.edu) are POLY's representatives to the Macromolecular Secretariat.

Symposia: The next MACR symposium will be in Boston (Fall 2002).

Biomacromolecules (to be organized by Graham Swift). All member divisions have approved this symposium.

Proposed symposia that need to be approved by POLY: Spring 2003 (New Orleans), Intelligent Macromolecules, Chair to be determined.

Fall 2004 (Philadelphia), Networks and Gels, Jay Dias (anthony.j.dias@exxon.com), tentative.

Meeting: The MACR secretariat met on Tuesday morning @ 7:30 am April 9, 2002 in room 306B of the Orange County Convention Center.

Please see Marc Hillmyer or Gary Wnek if you have symposia ideas.

Web site: For more information on MACR see: [membership.acs.org/m/macsec/](http://membership.acs.org/m/macsec/)

## 2002 Spring Reports

### **Materials Secretariat - MTLs R. Laine**

One year ago, the Materials Secretariat concluded that it should at present only program for Fall meetings. However, this Fall, renewed interest has led to plans to begin programming both Spring and Fall beginning in 2003. At the Fall meeting we will be sponsoring a symposium entitled: "**Photonic Multiscale Materials and Devices**". Dr. Ghassan Jabbour of University of Arizona will be the organizer. This will be coupled with the Polymer Division, which has 8 sessions in a Photonics area.

The following symposia were suggested and approved by the committee. Organizers will prepare proposals to be submitted to the committee.

Fall 2003 – Hybrid Materials organized by Pat Mathers (contacted and agreed).

Spring 2004 - Combinatorial Chemistry II organized by Andy Gilicinski.

Fall 2004 – Composite Materials for use in Transportation (tentative) organized by Martin Rogers.

Spring 2005 - Hybrid Materials (tentative) organized by Rick Laine.

The Materials Secretariat has established a website that should be up and running sometime this May.

I will be stepping down as Secretary General at this meeting. Andy Gilicinski of Gillette [Andy\_Gilicinski@gillette.com] will be taking over.

**Intersocietal/OSA G. Lindsay**

The symposium series agreement between the ACS (POLY and PMSE Divisions) and the Optical Society of America (OSA) on "Polymeric and Organic Thin Films for Photonic Applications" was extended to include the 2004 PMSE-hosted session in Washington, DC. At the 2001 October OSA annual meeting in Long Beach, CA, attendance was light – more than likely due to the 9-11 event. However, the joint ACS/OSA symposium was fairly well attended (over 50). Papers will be published from that symposium in the OSA Trends in Optics and Photonics Series (TOPS). At the 2002 ACS meeting in Boston, the Polymer Chemistry Division is host to the joint meeting. The program organizers are: Allan Guymon (POLY), Department of Polymer Science, University of Southern Mississippi; Randy Heflin (OSA), Virginia Tech; Bob Norwood (OSA), Photon-X, Inc.; Paul Armistead (POLY), Office of Naval Research; Alex Jen, University of Washington; Timothy Bunning, AFRL/MLPJ; Dick Broer, Philips Research Laboratories / Eindhoven University of Technology. Papers were solicited in the following areas: light emitting polymers; photovoltaic materials and devices; flat panel display materials; polymer/liquid crystal composites; electrochromic polymers /sensors; electro-optic materials; photorefractive materials; two-photon and multi-photon processes; photonic bandgap materials; self-assembled molecular and supramolecular materials; and non-lithographic fabrication techniques.

### **Intersociety Polymer Education Council- IPEC F. Jones**

IPEC develops and supports the introduction of polymers into the K-12 curricula. Its programs have proven to be an excellent way to interest students in polymers and, more broadly, in science and technology. Students at all levels can relate to polymers.

IPEC's biggest activity is the Polymer Ambassadors. The Ambassadors are a group of about fifteen talented and dedicated classroom teachers, located coast-to-coast. After a training year, Ambassadors conduct workshops at regional and national teachers conventions, where they teach other teachers to use polymers in classroom instruction. Between July 2001 and July 2002, thirty workshops were or will be conducted. The workshops are well attended and well received by the teachers, who, in turn, use the materials in their classes. It is estimated that IPEC has reached over 500,000 students through face-to-face workshops. In addition, materials developed by the Ambassadors are now freely available on the www (See below.). Several Ambassadors have received major awards, including National Teacher of the Year Awards. They receive an expense allowance of \$3000/year, but Ambassadors work as a labor of love.

IPEC also sponsors other workshops for high school teachers, such as "Discovery in Plastics Processing" taught annually at Eastern Michigan University and "PAW for Polymers," being taught for the first time at Clemson July 15-17, 2002. The EMU program has been highly successful for years, and similar success is anticipated at Clemson.

For the future, IPEC is working on three major initiatives:

1. Association with the Global Polymer Academy at the University of Akron. Polymer Ambassadors will develop and pilot online workshops (synchronous and asynchronous) using interactive classroom facilities at UA.
2. Development of a national network of interactive classrooms at several universities for dissemination of programs developed by the Polymer Ambassadors and possibly by others.
3. Collaboration with one or more universities with major teacher education programs to pilot inclusion of more polymer materials in the curriculum for undergraduates. Classroom materials developed by the Polymer Ambassadors would be used.

IPEC is seeking \$10,000 seed money from the SPE Foundation to help with initiatives (2) and (3). Within the next year it plans to submit major proposals to NSF and possibly other funding sources.

IPEC's budget is in good shape. On January 1, 2002 cash reserves were \$96,018. For 2002 projected income from member dues, grants for special projects, and interest is \$51,500. Projected expense is \$51,700.

IPEC member organizations can be proud of what IPEC accomplished. Past financial support is greatly appreciated, and we hope it will continue at historic levels. Equally important, more volunteer workers from the member organizations are needed. IPEC would like to add a third board member from each sponsor. With more people involved, more could be accomplished. The IPEC Board of Directors met at 10:30 A.M. Tuesday, April 9 at Hospitality Suite #1 of the Rosen Hotel in Orlando. It is an important meeting, as plans and assignments for future initiatives were set.

FOR MORE INFORMATION: IPEC: [www.uwsp.edu/chemistry/ippec/home.htm](http://www.uwsp.edu/chemistry/ippec/home.htm); Polymer Ambassadors: <http://www.polymerambassadors.org/> (New site; includes instructional material); IPEC Newsletter: E-mailed to sponsor officers and executives.

IPEC supporting members includes: Society of Plastics Engineers, American Chemistry Council, and American Chemical Society Divisions of Polymer Chemistry, Polymeric Materials: Science and Engineering, and Rubber.

## 2002 Spring Reports

IPEC Mission Statement: To significantly increase student interest and participation in science and technology subjects by incorporating the teaching of polymers and polymeric materials into K-12 curricula by utilizing the combined resources and infrastructures of the participating scientific societies.

### **Biotechnology Secretariat - BTEC B. Ratner**

The Biotechnology Secretariat (BTEC) represents 18 ACS Divisions with interest in biotechnology. POLY has had strong participation in BTECH activities in recent years.

BTEC is in reasonably good financial health with roughly \$7100 in the bank.

Separates abstract booklets, paid for by BTEC and distributed at BTEC meetings, will be continued. These bring recognition to BTEC and serve a valuable function for attendees.

#### **Boston ACS Meeting (Aug. 18-22, 2002)**

The fall meeting in Boston will have a BTEC symposium titled "Biotechnology for a Sustainable Environment." David Kaplan, the lead organizer, was not in attendance (other organizers are Graham Swift, Steve Goodwin and Allan Russell.) Programming is now closed for this meeting.

The description of the meeting from the BTEC WEB site is:

The conference scope will be broadly Biomacromolecules with an interdisciplinary focus exploring the interactions of macromolecules with biological systems and their environments, as well as biological approaches to the design of polymeric materials. Topics will include:

- monomers and polymers from natural, renewable resources
- metabolism of polymers - polymer conjugates
- biocatalysis - biomacromolecular self-assembly
- biomimetics - biomineralization
- bioprocessing - biorecycling

Jim DiBattista attended the BTEC meeting to enlist support for a proposed Biotechnology Fair at the Boston Meeting, sponsored by The Division of Business Development and Management (BMGT). This will be a one-day program open to all ACS attendees. There will be a charge for presenters of technology seeking capital to support for their enterprises. The intention is to make this program a major event at future ACS Meetings. The locality will define the focus of the fair. The Secretariat committee members voted to lend support and to publicize the event.

#### **New Orleans ACS Meeting, Spring, 2003**

The BTEC meeting for New Orleans, titled "Biotechnology in the Service of Health," will be organized by Sharon Vercellotti. Sharon has tentative support from AGFD, BIOT, CELL, CINF, MEDI, and SCHB. This program is expected to have wide divisional participation. A call for POLY members to step forth and organize components of this BTEC meeting was made at the POLY Programming Committee Meeting. Interested POLY members are encouraged to contact POLY programming officials or me about getting involved.

#### **Philadelphia ACS Meeting, Fall, 2004**

A program on Genomics and Proteomics for the Chemical, Pharmaceutical and Food Industries. (John Kozarich, program chair) will be organized. BIOL, is leading this program.

#### **San Diego ACS Meeting, Spring, 2005**

The tentative subject: "Biological Chemistry in Extreme Environments" is planned. At this time there is no defined organizer. It was suggested that GEOC be contacted as a potential cosponsor.

#### **San Francisco ACS Meeting, Fall, 2006**

Two ideas proposed for SF were Sensing for Biological Materials and Agricultural Biotechnology.

## 2002 Spring Reports

### **POLY List F. Blum**

There are about 1500 members of the POLY list. The volume of mail is still moderate and the number of complaints is low, almost negligible. I have instituted a policy where either Ken Carter or I approve postings to the list. This has the effect of removing most nuisance e-mails from the list.

## 2002 Spring Reports

### World Wide Web (www) F. Blum

The www project continues to grow. Counters on the popular POLY pages in terms of the number of accesses are listed below. Not all of the pages started at the same time. There is increased activity relative to workshops on the web pages. The main page gets over 100 hits per day. It is now out-distancing the jobs page.

The number of members who join the Division via the www and register for workshops continue to increase.

<u>Page</u>	<u>Since 3/01</u>	<u>total</u>
Main Page	41762	143597
Meetings		
Natl.	8221	40468
P-Spon./workshops	11210	26849
Other Meetings	3999	14641
Past	1768	5835
Secretariats	383	1401
Polym. Prep. On-line	7097	11009
Membership Activities	977	3480
Join	1777	6258
What's New	1884	8282
POLYED	UWSP	
IPEC	moved	
Books (new)	461	
General Info	1052	5103
Org. Chart	2886	8835
Org List	1046	4087
Election Info	908	3071
Officers Hist #1	662	2311
Officers Hist #2	198	1377
Org Info	413	1244
Operations Man.	729	1528
POLY History (Update)	540	
Awards	1801	6267
Jobs	26367	113019
Nomenclature	2035	5291
Industrial Sponsors	861	2802
Other Servers	1541	8567
Public Relations	583	1486
Poly Discussion List (new)	2744	

I solicit your help. Please send me things electronically by e-mail for inclusion on the web pages. <http://www.chem.umr.edu/~poly> or <http://www.polyacs.org>

**International Relations R. Ottenbrite**

I represented the Polymer Division at the International Macro-Millennium Meeting held September 4-7, 2001 in Montpellier, France and the International Symposium on Polymers in Clinical Studies, held January 5-7, 2002, in Cardiff, Wales. The Polymer Division banner was displayed and information with respect to membership was displayed and distributed. Direct interactions with the European Polymer Federation has been less during the last few years as their focus has been on topic specific IUPAC meetings and great inter-European country meetings fostered by the European community.

### **Membership E. Martin, H. N. Cheng**

The Membership Committee currently consists of 11 members. They are: Erica Martin (Rohm and Haas, Chair), H. N. Cheng (Hercules, Member-at-Large), Dan Knauss (Colorado School of Mines), Pal Arjunan (Exxon-Mobil), Nozar Sachinvala (USDA), Garrett Poe (Univ. of Southern Mississippi), Tim Herod (Essilor), Alan Hopkins (Aerospace Corp), Ana Pla-Dalmau and the recent additions of Charissa Detwiler (YTC America) and Maneesh Bahadur (Dow Corning). Work is ongoing in four different areas: member **recruitment, retention, recognition, and communication.**

#### Member Recruitment

##### a. ACS attendees at national ACS meetings

We organized the first "Member-Get-A-Member" campaign at the Chicago ACS meeting. A raffle was held for all new members as well as the POLY members who recruited them; the winner received a DVD player. A different "Member-Get-A-Member" event will be held at every Fall ACS meeting.

##### b. Attendees at the POLY poster session

The Membership and the Publicity Committees jointly staffed a membership table at the Sunday poster session in Chicago. The aim was to acquaint our members with the two committees and to recruit new members.

##### c. Polymer journal initiative

We made contact with a number of journals to offer to display their journals at meetings in exchange for placement of our ads in their journals for free. Several journals are cooperating with us and will be on display in Orlando at the POLY table (*J. Polym. Sci.*, *J of Appl. Polym. Sci* (both Wiley Journals), *Radtech*, *ComPlexUs*, *Rapra Rev.*, *Polymer Plastics Tech* (Marcell Dekker) and *Materials Today*).

##### d. Participants in POLY symposia at national ACS meetings

Email messages were sent to the participants in Chicago symposia who were not yet members of POLY, inviting them to join. Prior to each meeting, email messages were sent to all POLY symposium organizers and presiders, reminding them to show the "Join POLY" slides at the beginning of their symposia.

Member Retention: The POLY membership database has been very helpful in our member retention efforts. The database indicates that the first two years are critical to retention. Roughly 1/3 of the members drop out within two years. As a result, we targeted our effort to first-year and second-year members just prior to membership renewal. Email messages were sent to first- and second-year POLY members in October 2001, reminding them to renew their POLY membership. A total of 1792 messages were sent.

Member Recognition: Last year we had recognized 30+-year members. This year we began the annual Spring Recognition Event where we are recognizing members achieving 5, 10, 20, and 30 years of service. Each member being recognized has gotten a letter from POLY and a special POLY lapel pin as the recognition gift. These members were recognized publicly on Sunday April 7th during the POLY award reception at the Orlando ACS meeting.

Communication: One of the goals of the Membership Committee is to enhance communication between members and POLY committees. Three "projects" are being worked on in this area:

a. POLY Suggestion Center: An electronic Membership Suggestion Center has been set up on the web (thanks to Ken Carter). The purpose here is to elicit input on POLY services, operations, and membership, and to serve as a connection to the POLY Division leadership. Alan Hopkins will be maintaining this site and forwarding concerns/comments to the appropriate POLY board

## 2002 Spring Reports

member(s). In addition, Ken has also set up a POLY Member Center on the web, where POLY members can post scientific questions and hold discussions on topics of interest. This site is accessible to all POLY members as a benefit of membership and we encourage its use.

b. Contact with ACS Local Sections: Membership and Publicity Committees are working together on this new, important initiative. The purposes are to promote polymer science at the local level, to publicize our activities, and to recruit appropriate people to join the division or to become active in POLY. We have divided the local sections among the committee members and are in the process of contacting them. The membership committee members will become the POLY "go to" person for each of these sections as we begin to form a collaborative relationship.

c. Member Survey: In conjunction with the recognition pins and letters, each of the 5-, 10-, 20- and 30-year members also gets a stamped/addressed postcard survey. We have been receiving great feedback and the final results will be tabulated and shared. This has proven to be an EXCELLENT means of receiving feedback from the membership and we will enclose the same postcard survey in every Spring mailing of recognition gifts.

**Circulation F. Dammont**

We have shipped to library subscribers a total of 379 copies of the PREPRINTS Vol. 43-1. In this number are included 366 pieces of hard copy and 13 pieces of CD-ROM. All CD-ROM copies to foreign addresses were shipped via USPS AIR MAIL. 111 hard copies to domestic subscribers were shipped from Newark, via UPS. We use UPS to receive delivery confirmation from all multiple copy subscribers and from addresses where we have previously encountered delivery problems. This eliminates most claims.

We have received very few claims for missing hard copy of Vol. 42-2 (Fall 2001.)

We are still honoring claims for missing copies of Vol. 42-1, which, by now, have climbed to a significant number. The problem was caused by unreliable printers.

At the date of this report most subscription accounts were settled for 2002. Pursuing a long tradition, we have also sent the first issue to some of the good-risk, not as yet settled accounts, to whom we will send reminders on May 1.

We are surcharging all foreign hard copy subscribers \$50.00/year, to compensate for the skyrocketing foreign delivery postage charges, who have the option to receive the PREPRINTS in CD-ROM form, sold at one-price-for-all, without surcharge. Surprisingly, domestic delivery charges actually were reduced.

We urge the Secretary of the Division to complete the forms for copy-right application, which, to the best of our recollection, have not been filed with the Library of Congress since at least 1996 (Vol. 37.) and to forward the forms to the circulation office. We will ship the books with the completed and signed forms to Washington.

## 2002 Spring Reports

### **Business Office N. L. Byerly**

The Business Office is assisting with the following workshops and meetings:

#### **2002**

- ; **Polymers and Organic Chemistry 2002** — University of California, San Diego, California. Co-Chairs: Warren Ford & Spiro Alexandratos (July 14-18, 2002)
- ; **Polyurethanes 2002** — Loews Annapolis Hotel, Annapolis, Maryland. Co-Chair: James E. McGrath and Garth Wilkes (September 29 — October 2, 2002)
- ; **Fluoropolymers 2002 — Current Frontiers and Future Trends** - Savannah Marriott Waterfront, Savannah, Georgia. Chair: Dennis Smith (October 13-16, 2002)
- ; **Polymers in Medicine and Biology: 2002** - Sonoma DoubleTree Hotel, Rohnert Park, California. Chair: Buddy Ratner (November 13-16, 2002)
- ; **2002 Biennial Symposium: Polymeric Nanomaterials** - Sonoma Doubletree Resort, Rohnert Park, California. Co-Chairs: Alan D. English, Barry L. Farmer, and Richard A. Vaia (November 17-20, 2002)

#### **2003**

- ; **Fuel Cells 2003** - Asilomar Conference Grounds, Pacific Grove, California. Co-Chair: James E. McGrath and Tom Zawodzinski (February 23-26, 2003)
- ; **7th International Symposium on Polymers for Advanced Technologies** - Raddisson Resort, Ft. Lauderdale, Florida. Co-Chairs: Robson F. Storey and Robert B. Moore (September 21-24, 2003)
- ; **Polyolefins '03** — Sonoma County, California. Chair: James E. McGrath

Brochures on these workshops can be obtained at the Membership Booth or by contacting the Business Office.

The 2001 Issues of the POLY Newsletter were mailed out to the membership. Suggestions for changes and additional articles for the June 2002 Newsletter were accepted through April 15, 2002.

A total of 67 new members joined the Division of Polymer Chemistry in Chicago, IL. These numbers were up slightly from the ACS meeting in San Diego, CA.

Daily responsibilities of the Business Office include responding to requests for information, performing accounting duties, assisting with various projects, processing Preprint orders, and processing new membership applications.

## **POLYED UPDATE**

### **Report Submitted by J. Droske and C. Carraher, Jr.**

Please visit the POLYED HOME PAGE at <http://www.polyed.org>. POLYED continues on-line and has started delivering our pre-meeting reports and other national meeting information via the web site. This has been running smoothly and we thank the POLYED subcommittee chairs for providing reports in advance of the meeting.

At the Chicago ACS meeting, several changes to the web site were suggested, especially with regards to the dual browser setup issues (Netscape vs Explorer). These have now been resolved and users no longer need to specify which browser they are using in order to access all features of the site. With both browsers, the menu system is now on the left side and all features of the site are fully functional, including the Teaching Resources" which includes both script and "RealAudio" taped definitions of key polymer terms and several examples of modern applications of polymers. The web site also contains links to the POLY, PMSE, and ACS web sites.

If you have any suggestions for changes to the web site, please let us know. We also would appreciate hearing about polymer education-related URLs that would be appropriate for linking to the site. Send your comments and suggestions to [polyed@uwsp.edu](mailto:polyed@uwsp.edu).

The Divisions' help in identifying new and ongoing sponsorship is most appreciated. The continuation of the Unilever Award and the ICI Award are examples. Please encourage potential sponsors to contact either the POLYED committee chairs or the educational funding committees of the POLY and PMSE Divisions.

We thank both POLY and PMSE for all of their support for POLYED's polymer education efforts.

## **AWARDS**

The POLYED Award for Excellence in Polymer Education recently has been reviewed and restructured under the leadership of David Cocuzzi. Highlights of the revised award program was presented at the ACS meeting in Orlando. David reports that pending final approval at the POLYED meeting, plans are being made to announce the new award widely this Spring, with the award being made at the August ACS meeting.

The recipient of the 2002 Unilever Award for Outstanding Graduate Research is Dr. Kristi L. Kiick, who received her doctorate in May 2001 from the University of Massachusetts, Amherst, under the tutelage of Professor David A. Tirrell, now of the California Institute of Technology, Department of Chemistry and Chemical Engineering. Kiick directed her research to the preparation of proteins using non-natural amino acids, with functional groups different from those of the natural amino acids. She manipulated the activity of a single enzyme in the bacterial host to prepare engineered proteins with novel chemical and physical properties. The Unilever Award will be presented at the Boston, MA, ACS meeting (Warren Ford, organizer) and consists of a \$2,000 prize, a plaque, and travel expenses. This award is administered by POLYED and was established in 1991 and is sponsored by Unilever, a global manufacturer of consumer products, foods and specialty chemicals. Guy Berry, Warren Ford, and Unilever are commended for their fine efforts to recognize these outstanding doctoral students.

### **POLYED ICI Student Award in Applied Polymer Science**

We congratulate the past-chair of this award, Elsa Reichmanis, for her election as ACS President. We congratulate Elsa and also thank her for her fine efforts with this award program. Elsa has now passed the torch to John Thomaidis of National Starch and Chemical, who is the new chair of this award.

## 2002 Spring Reports

Brian E. Priore was the winner of the 2001 ICI Student Award in Applied Polymer Science. Brian was a graduate student at Carnegie Mellon University where his advisor was Professor Lynn M. Walker. The Award, consisting of \$750 and a plaque, was presented to Dr. Priore at the PMSE Division Awards Luncheon on Monday, April 8, 2002, at the Rosen Center Hotel.

The other finalists who presented papers at the Award Symposium were: Christopher L. Lester (University of Southern Mississippi); Robert T. Mathers (The University of Akron); Denise Wade Rafferty (Case Western Reserve University); Osman Rathore (Cornell University); and Sucharita Roy (University of Massachusetts Lowell).

As is customary, the announcements for other POLYED Award programs, such as the Outstanding Student in Organic Chemistry, the Curriculum Development Award, and the Undergraduate Polymer Research Recognition Award have been mailed to all chemistry, chemical engineering, biochemistry, and polymer departments in the United States. Award winners for these programs will be announced at the Boston ACS meeting.

Councilor W. H. Daly

On the surface the council meeting at Orlando was ho-hum. We selected Profs. Charles P. Casey, University of Wisconsin, Madison and Alvin L. Kwiram, University of Washington, Seattle as candidates for 2003 President-Elect. The election will be held this fall.

The Council approved a recommendation from the Committee on Committees (ConC) to continue the Committee on Science. The status of the Women Chemists Committee (WCC) was changed from "Other" Committee of the Council to a Joint Board-Council Committee by voice vote of the Council. WCC will now report to both Council and the Board. A petition to increase the size of Council committees was withdrawn to allow further deliberations.

Committee on Budget and Finances reported that Society finished fiscal year 2001 with a net deficit. The budget for fiscal 2002 is projected with revenues of \$345 M and expenses of \$347 M, resulting in a net deficit of \$2 M. After this report, the full dues escalator was approved for 2003, raising the annual dues from \$112 to \$116, without any discussion from the floor. The good news is the deficit is a wake-up call. A task force charged with reviewing all the expenses of the Society has been appointed.

Those were the only action items brought before Council. The real action was behind the scenes in the Committee meetings and Caucuses prior to the Council Meeting. The main item for discussion was a petition to change Local Section and Division Support developed by a Presidential Taskforce on Local Section/Division Finances. The petition proposed to make the primary support of both local sections and divisions come from dues revenue by allotting 20% of the individual dues to a local section/division pool. The allotments to Local Sections would be distributed in accordance with procedures developed LSAC and approved by Council. In an exactly analogous fashion, the Division allotments would be distributed in accordance with procedures developed DAC and approved by Council. The distributions would be contingent upon receipt of the annual report prior to a forfeiture date as specified by either LSAC or DAC and would include a base allotment, an allotment tied to total membership and may include distributions based on other factors such as programming.

The most controversial portion of the petition was the method for dividing the funds. The petition proposed "These funds shall be divided between Local Sections and Divisions according to the fraction of total memberships using the second preceding year membership figures. Total memberships shall be defined as the sum of the number of members and National Affiliate of each Local Section and according to the number of members and National Affiliate of each Division. Total memberships shall not include Local Section Affiliates or Division

## 2002 Spring Reports

Affiliates." Although new members are automatically assigned to local sections, membership in divisions is elected and voluntary. However, a Society member can be a member of several divisions and thus be counted more than once in the division membership pool. Effective recruitment by divisions could distort the membership distribution between local sections and divisions and influence the funds distribution.

The objective of the petition was to enhance funding to both Local Sections and Divisions based upon dues driven, membership based funding formula. After trying to sell the idea to various council committees and caucuses, at the Orlando Council meeting, almost all of the petitioners who signed the original petition signed a sheet withdrawing the petition. The petition, as submitted, would have never passed in Boston. Thus, it has been withdrawn and a new petition planned.

Frank Blum, Chair of DAC and a leader of the task force sponsoring the petition summarized the major issues to be addressed as follows:

### Issue 1:

Councilors were not given enough time or information to digest before, or during, the Orlando meeting. By the Boston meeting, we must use every means within our disposal, including a web site, to inform the Local Section and Division councilors. Ask your Local Section councilor about it. If the members of the local sections express an interest, their councilors must take the time to become informed.

### Issue 2 (and its variants):

- a. The proposed formula put divisions and local sections in competition for a fixed pool of money (20 % of dues). Many felt this could lead to competition, not collaboration and cooperation.
- b. The formula was cumbersome and complicated.
- c. The formula could be manipulated by divisions through low dues to get the allocation monies (this is actually not a likely scenario, but is certainly perceived as a problem).
- d. The support to local sections could drop below the current levels (based on the formula), violating one of the recommendations of the first task force—that increased support for divisions should not come at the expense of local sections.

Proposed Solution: Fix the percentage of dues allocated to divisions at 45% and local sections at 55% of the total (20% of dues). This was passed upon by the task force. It was not unanimous, but it may be passable by Council. It will be a large increase for Divisions and a smaller one for Local Sections. The percentage is based on recent membership numbers (143,000 Local Section memberships and 116,000 Division memberships). In principle, the relationship used to set the percentages is only related to memberships for the above year. After that, the membership numbers will change, but the percentage for funding will stay fixed until such time as it is changed again.

Based on these numbers, the split would be roughly \$1,431,000 for Local Sections and \$1,171,000 for Divisions. For comparison, the 2002 allocation for Local Sections was \$1,317,000 and for Divisions was \$378,000. The increase in total allocation would be \$907,000.

### Issue 3 (and related):

- a. The amount of money is large (current estimate is an increase of about \$900,000).
- b. The Society is currently dipping into its reserves to fund current programs.
- c. What are we going to cut to fund it?

Proposed Solution:

## 2002 Spring Reports

The amount of money is large. But the volunteer base is critical to the Society. Ultimately the Board of Directors and the Committee on Budget and Finance have the Society-wide view to prioritize the spending of the Society. The Society's budget is on the order of \$390 million or so. This increase is about 0.25% of its budget. Councilors need to identify support for the two main volunteer groups of the Society as a priority. Surely we can find 0.25% or so in lesser priorities. Also, the changes should they be approved would take place Jan. 1, 2004. The economic picture and the budget may look much different by then if our investment pool picks back up.

### Issue 4:

Allocations support for meeting programming seems to have disappeared?

Proposed Solution:

The current approach to supporting meeting programming by direct allocation from the Society is under scrutiny by the IRS. In some cases this approach could put the nonprofit public corporation status of some divisions in jeopardy. We must use member derived funds to cover meeting expenses to avoid this problem. However, when the funds become available from an appropriate source, it is the intention of DAC to increase meeting allocations.

### Issue 5:

a. Will the Society dues automatically go up to fund this initiative?

b. How much would dues have to go up to cover it?

Proposed Answer:

No, there is no provision for that to occur in the proposed changes. Dues would need to increase about \$9 if it were to be paid for this way, but it would take an additional bylaws change to do this.

The proposed changes in Local Section and Division funding are probably the most significant issue to come before council in recent years. It will impact all of you, but it is most critical for division members. Last year five of the thirty three divisions (including POLY) operated in the red and nine of them are holding reserves equivalent to less than one year's annual expenditures. Our current sources of income associated with programming are diminishing, while our obligation to program remains one of the primary responsibilities of the division. To meet our obligations, it is essential that the Divisions receive a stable source of funding at a level that enables them to program effectively. The task force believes that the concepts described above will provide that funding in a fair and equitable manner.

We hope this extensive recitation of the dues petition details and the arguments anticipated during subsequent debates will enable you to conduct informed dialogs with colleagues, who are only members of local sections. Grassroots support will definitely enhance the possibility of enacting the proposed changes. We will keep you informed of any new developments associated with the petition. The next round will take place in Boston. Stay tuned.