

2001 Fall

Council's Report

Programming C. D. Smith

The Division of Polymer Chemistry had 541 technical papers on the program of the National Meeting in Chicago, August 26 - 30, 2001. These 541 technical papers may be divided into several categories: 157 oral and 77 poster presentations in topical symposia; 59 oral presentations in special award or anniversary symposia; and 60 oral and 188 poster presentations from general contributions. Highlights included:

- A symposium jointly sponsored with the Society of Polymer Science Japan in which all three of the recent Nobel Laureates in the area of Polymer Chemistry delivered their Nobel addresses
- ACS Unilever Award in Polymer Chemistry honoring S. Yang
- A Symposium on Macromolecular Assemblies for Optical and Electronic Applications, jointly sponsored with PMSE, to honor Sukant Tripathy
- ACS Industrial Sponsors Award honoring Alan English

Other symposia covered a wide range of topics of fundamental and applied interest:

"Combinatorial and Highly Parallel Techniques for New Materials" started with a full session of tutorial lectures, and then addressed issues associated with synthesis, surface properties and characterization. The meeting began with a one day symposium on "Tailored Synthetic Polymers as Biomaterials" that focused on the needs in this area and the creative solutions that polymer chemistry can provide while "Advances in Photoinitiated Polymerizations" had the largest number of topical contributions and had six sessions covering topics such as cationic polymerizations, kinetics and mechanisms of free radical polymerizations, and new and emerging applications of photopolymerizations. "PVC and related Polymers" conducted a two-day symposia that addressed issues associated with the chemistry, physics and properties of these materials. "Recent Advances in Polyurethanes" was a single day symposium that continued the "Recent Advances" series that POLY has been running for the last several years while a half-day session on "Career Development in the Polymer Industry" discussed different career paths. Submissions in "Advances in Filler Technology" discussed interfaces, new materials and filler dispersion, primarily focused on utilizing real-time analytical techniques to probe both novel synthetic processes and polymer processing. As was stated in the last report, POLY is fortunate to have enthusiastic members who organize these outstanding programs for the entire polymer community. Their time commitment should not be underestimated or undervalued!

All POLY abstracts and Polymer Preprints for this meeting were collected by the ACS Online Abstract System (OASys), and this will continue in the future. We continue to suggest improvements to ACS and solicit input from our organizers and submitters to present to ACS. The system works well for abstracts, but issues surrounding the format and content of Polymer Preprints must be addressed. Far fewer problems occurred during preprint submission at this meeting; however, the timing of the availability of preprints to the editors remains an issue.

2001 Fall Reports

Symposium plans for the Orlando meeting in Spring 2002 are complete while those for Boston in Fall 2002 are nearly complete. The 2003 schedule is largely complete, and a number of commitments further into the future have also been made.

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 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 suggestion. Call, fax, mail, or e-mail suggestions to one of the program co-chairs, Christopher Bowman or Carrington Smith.

2001 Fall Reports

Immediate Past-Chair T. Pacansky

As Immediate-Past Chair I have responsibility for the Bylaws, Long Range Planning and the Operations Manual update. The Operations Manual can be found from the POLY general page (www.polyacs.org). If you have any updates please send them to me.

The past chair's long range planning meeting was held on Sunday, August 26, 2001 at the Hyatt Regency McCormick Place Hotel Suite 3 from 3:00 to 5:00PM. All past chairs of POLY were invited to attend.

Secretary M. Baker

The Secretary has continued to manage her part of the POLY business, although from a distance, with the help of her assistant Secretary, Dennis Smith, Neta Byerly in the Business Office and the Officers. She thanks them all. Contact information for the Secretary (some has changed): for mail, use the address in the back of the newsletter (it is sent weekly from Chemonics to Egypt); for fax, use 011-20-2-527-4700. Email (DrMaryBaker@yahoo.com) is still the best way to get me, but you can also call directly (011-20-2-380-5807) - best times are 2 p.m. to 5 p.m. East Coast Time. Large packages should be sent to my actual address: 24, Road 20; Maadi, Cairo EGYPT. Visits from POLY members passing through are always welcome.

This is my final report as Secretary. It has been a privilege to serve the Division in this capacity, and an honor to work with such dedicated volunteers for the last 6 years.

Polymer Preprints S. Israel

Thanks to the hard work of everyone involved, *Polymer Preprints* has transformed from a 2 inch thick print version to a portable, user-friendly CDRom with the optional offering of the print version. The second CD was produced with improvements which included packaging which allows for advertising, UNIX capability, and menus with larger clearer print.

This conversion saves the division and its members a significant amount of money while moving forward with available technology. The cost effectiveness of moving to CDRom is evident by the savings indicated below compared to a few previous printed versions:

| Issue | Copies | Cost | Cost/unit |
|---------|--------|----------|---------------|
| 42(2) | | \$57,886 | |
| (CDRom) | 9,700 | \$36,366 | \$ 3.75 CDRom |
| (Book) | 900 | \$21,520 | \$23.91 Book |
| 41(1) | 8,859 | \$84,220 | \$9.51 Book |
| 39(1) | 8,349 | \$64,202 | \$7.70 Book |

The printed book version of *Polymer Preprints* is very expensive. The per book charge is higher than previous book costs due to the smaller volume of books printed. For Spring and Fall 2001 \$20.00 was charged for the optional print version. This price included both issues. For 2002 that price has been increased to \$50.00 for both issues.

We encourage comments, feedback, and suggestions from division members. Please direct these to Co-Editors Pat Cassidy at pcassidy@swt.edu and Stan Israel at si02@swt.edu, or Editorial Coordinator, Diane Grimm at dgrimm@swt.edu.

Publications K. L. Wooley

A significant number of symposium organizers and participants continue to publish the symposium proceedings in the form of ACS Symposium Series books. 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 August 2000 to August 2001. Also included are the publication dates and the price for each book.

ACS POLY Symposium-based Books Published (August 2000 — August 2001):

1. *Fluorinated Surfaces, Coatings, and Films*, Ed. Castner, Grainger, ACS Symposium Series No. 787, Publication Date: March 10, 2001, \$110.00
2. *Polymers from Renewable Resources: Carbohydrates and Agropoteins* (cosponsored with BEDPS), Ed. Gross and Scholz, ACS Symposium Series No. 786, March 10, 2001, \$135.00
3. *Stimuli-responsive Water-soluble and Amphiphilic Polymers*, Ed. McCormick, ACS Symposium Series No. 780 (New Orleans ACS Meeting, August 1999), Publication Date: November 29, 2000, \$135.00
4. *Historic Textiles, Papers, and Polymers in Museums (cosponsored with CELL)*, Ed. Cardmore and Baker, ACS Symposium Series No. 779, Publication Date: December 1, 2000, \$110.00
5. *Polymers from Renewable Resources: Biopolyesters and Biocatalysis* (cosponsored with BEDPS), Ed. Scholz and Gross, ACS Symposium Series No. 764, August 4, 2000, \$135.00

ACS POLY Symposium-based Books Under Contract:

1. *High Resolution NMR Spectroscopy of Polymers*, Ed. Cheng (San Diego, CA ACS Meeting, April 2001)
2. *Silicones and Silicone-modified Materials*, Ed. Clarkson (San Diego, CA ACS Meeting, April 2001)
3. *Enviro-compatible Synthesis and Processes: Targeting Sustainability* Ed. Gross and Cheng (Washington, D. C. ACS Meeting, August 2000)
4. *Electroactive Polymers for Corrosion Control/Prevention*, Ed. Zarras, Stenger-Smith, and Wei (Washington, D. C. ACS Meeting, August 2000)
5. *Synthetic Macromolecules with Higher Structural Order*, Ed. Khan (San Francisco, CA ACS Meeting, March 2000)

Professor Lon Mathias (University of Southern Mississippi, Department of Polymer Science) has been working with Electronic Publishing Services (EPS, a division of eMedix, Inc.) for publication of symposia and workshop proceedings. The book entitled "Fluoropolymer 2000, Current Frontiers and Future Trends", containing the proceedings from a Division of Polymer Chemistry sponsored symposium held in Savannah, GA, October 15-18, 2000, is now ready to ship. See the EPS website (<http://pslc.ws/~ksorrells/WebPage/index.htm>) for more information.

2001 Fall Reports

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

POLY has a full slate of excellent workshops scheduled for the remainder of 2001 (2 more) and through 2002 (4). New topics are solicited for 2003.

2001

9th International Symposium on Macromolecule-Metal Complexes (just completed), August 19-23, 2001, Herman F. Mark Polymer Research Institute, Polytechnic University, Brooklyn, NY. Chair: Prof. Kalle Levon, Polymer Research Institute, Polytechnic University, 6 Metrotech Center, Brooklyn, NY 11201. Co-chair: Prof. Yoshi Okamoto, Polymer Research Institute, Polytechnic University, 6 Metrotech Center, Brooklyn, NY 11201.

The scientific program included:

- Biorelated Macromolecule-Metal Complexes
- Metal Ion Conductive Polymers
- Lanthanide Metal Ion Containing Polymeric Systems
- Electronic, Magnetic and Optical Properties of Macromolecule-Metal Complexes
- Macromolecular-Metal Complexes in Green Chemistry

Registration was \$450 for members/\$500 for Non-members/\$150 for students.

This meeting was attended by 132 registered participants which included 21 students. POLY's part in this was to handle the business office aspects, but POLY was not the prime organizer. POLY will receive \$5000 plus expenses to cover business office work for our part in this meeting. The organizers will be responsible for profit/loss on this workshop.

Polyolefins III, October 7-10, 2001, Sonoma Doubletree Hotel, Sonoma, CA. Co-organizers: Prof. Jim McGrath, Dept. of Chemistry, Virginia Tech, Blacksburg, VA 24061, Dr. Pal Arjunan, Exxon-Mobil Chemical Corp., and Dr. Tom Hanlon, Albemarle Corp.

A full program is available which includes olefin catalysis, characterization, processing, mechanical behavior and new and expanding applications for polyolefins. PRF funds and industrial co-funding have been secured.

Registration is \$600 for members/\$650 for non-members. There are already 66 registrants (28 full paying registrants) for this meeting.

Organic-Inorganic Hybrid Materials, November 14-17, 2001, Sonoma, CA. Co-organizers: Prof. Frank Blum, Dept. of Chemistry, University of Missouri-Rolla, Rolla, MO 65409-0010, and Prof. Rick Laine, Depts. of Materials Engineering and Chemistry, University of Michigan, 2300 Hayward St., Ann Arbor, MI 48109-2136.

The full scientific program is available and includes:

- Sol-gel processing of multifunctional hybrid materials with novel electroactive, composite, acoustic, insulating and mechanical properties
- Synthesis and processing of organometallic and inorganic polymers for optical, structural, biological and high temperature applications
- Synthesis and processing of macro-composite materials using novel techniques and inexpensive starting materials
- Commercial aspects of hybrid organic/inorganic polymers

2001 Fall Reports

Registration price is \$650 for members/\$700 for non-members/\$225 for students. PRF funds and industrial co-funding have been secured. There are already 27 participants registered for this meeting.

2002

- Polymers and Organic Chemistry 2002, July 14-18, 2002, University of California, at San Diego, La Jolla, CA. Co-Chair: Warren Ford, Oklahoma State University, Dept. of Chemistry, Physical Sciences 107, Stillwater, OK 74078, and Spiro Alexandratos, Office of Academic Affairs, City University of New York, 535 E. 80th St., New York, New York, 10021.

Session topics include:

- Polymers in combinatorial chemistry
- Polymeric reagents and catalysts
- Polymers for separation science
- Polymers in nanotechnology
- Polymers in biotechnology

A site contract is expected from UCSD within the month. We have a preliminary budget prepared and hope Kathleen will approve the final during this Chicago meeting week.

There is a program flyer on the POLY desk. Warren Ford has done a spectacular job on this workshop already, and we anticipate working with him on advertising and other issues soon.

Biomedical Polymers III, November 14-17, 2002, Sonoma Doubletree Hotel (immediately preceding the biennial). Chair: Buddy Ratner (he will name a co-chair). We are in the final budget preparation stages with this workshop and should be able to agree on final issues with the workshop chair at this Chicago meeting, so that a proposal can be given to Kathleen for approval. The anticipated workshop fee is \$600-\$650.

Polyurethanes II, September 29-October 2, Annapolis, MD. We have a proposed site contract with Lowe's Hotel in Annapolis for Kathleen to consider. Chair: Prof. Jim McGrath (need co-chair).

Fluoropolymers II, Fall, 2002. We are exploring sites such as Charleston, SC, Savannah, GA, and Hilton Head, Chair: Dennis Smith.

2003

- Fuel Cell Materials and Processes, February 23-26, 2003, Asilomar, CA. We have a contract on the site. Co-Chairs: Prof. Jim McGrath (Virginia Tech) and Tom Zawodzinski (Los Alamos).

Polymers for Advanced Technologies 2003, September 21-24, 2003. Co-chairs: Rob Storey and Bob Moore. Planned for the Radisson Bahia Mar in Ft. Lauderdale but the site contract remains under negotiation.

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 2001 the Central/Great Lakes, Northeast, and Southwest regional meetings have polymer programs that qualify for support.

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 August 27th from 11 a.m. until 12 noon in the Hyatt McCormick Place, Suite 1.

2001 INDUSTRIAL SPONSORS

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

A special luncheon was held on Monday, August 27th, 2001 at the Chicago 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 and participants in the two Industrial Sponsors Symposia (see below) were also invited to attend.

The Twenty-second Annual Meeting of the Industrial Sponsors Group was held on Tuesday, August 28, 2001 at the Chicago ACS Meeting. The morning featured a symposium honoring Dr. Alan D. English, the recipient of the Industrial Polymer Scientist Award. The afternoon featured a symposium on "Career Development in the Polymer Industry — Fact vs. Fiction" organized by R.S. Moore, and Co-sponsored by the Women Chemists Committee and the Younger Chemists Committee. This symposium was followed by a reception at the Sheraton Chicago Hotel honoring Dr. English. Final details of these events were given in the Fall 2001 ACS program.

2001 Fall 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 \$55,000 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, entitled "Improving the Public Perception of Polymers on behalf of the Stevens Point School Sytem", was submitted by Ms. Suzanne Hall of Stevens Point, Wisconsin. 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. Further details can be obtained from Dr. Alan D. English, Chairman of the POLY Awards Committee (Tel. 302- 695-4851).

2001 Fall Reports

Awards Committee A. D. English

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.** 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 sponsors this award.*

2002 POLY Biennial Meeting A. D. English

The Division of Polymer Chemistry 2002 Biennial Meeting will focus on Polymeric Nanomaterials. The meeting is being 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. Early registration fee for POLY members is \$650. The technical and social program is available at <http://www.chem.umn.edu/~poly/poly.spon.html>.

Nomenclature E. S. Wilks

The Nomenclature Committee membership remains essentially unchanged since the last meeting, which was held on Monday, April 2nd, 2001. The "call for new members" advertisement, placed on the POLY website, <http://www.chem.umr.edu/~poly/nomenclature.html>, has elicited no further inquiries in the last 2 years. Nevertheless, the ACS POLYmer Division Nomenclature Committee proposes to leave it on the website in the hope of attracting new members.

A. Items from the IUPAC Meeting in Brisbane (June/July, 2001)

A1. Web-Based Document for Identification, Orientation, and Naming of CRUs/SRUs. Ted Wilks has created an English-language, web-based version of the IUPAC recommendations for correct identification, orientation, and naming of constitutional repeating units (CRUs); these are essentially the same as the CAS principles for correct identification, orientation, and naming of structural repeating units (SRUs). The document, entitled "Guide for the Authors of Papers and Reports in Polymer Science and Technology", is available on the IUPAC website (go to <http://www.iupac.org/reports/IV/guide.html> and select Download document (pdf file — 254KB)). This article is more extensive than the previously published Macromolecular Nomenclature Note (MNN) No. 18, which was little more than an introduction to the subject; however, it is still easier to read than the formal IUPAC and CAS documents upon which it is based. Authors and editors of books, encyclopedias, and journal articles are encouraged to use it.

The POLY website cross-reference <http://www.iupac.org/divisions/IV/IV.1/index.html> leads to this article on the IUPAC website.

A2. Other IUPAC Matters. Four Committee members (Fox, Metanomski, Wilks, and Work) continue to contribute to projects of the IUPAC Commission on Macromolecular Nomenclature, although Fox and Metanomski are enjoying "semi-retirement" in that they now act mainly as consultants. Topics in various stages of development, for which they are directly responsible, include:

- Fox, Wilks: Structure-Based Nomenclature for Cyclic Macromolecules (Project 29/97)
- Metanomski, Wilks: Glossary of Polymer Class Names (Project 30/97)
- Wilks: Guide to IUPAC Polymer Terminology and Nomenclature (Project 22/93)
- Wilks: Nomenclature for Chemically Modified Polymers (Project 33/99; renamed from its former title Process-Based Nomenclature for Modified Polymers)
- Wilks: Nomenclature for Rotaxanes and Catenanes (Project 35/2000)
- Wilks: "Purple Book" revision
- Work: Definitions of Terms Related to Polymer Blends and Multi-Phase Polymeric Materials (Project 24/93)

Project 29/97: except for nomenclature for spiro-macrocycles, all differences between the Fox and Schultz/Wilks approaches had been resolved prior to the Brisbane meeting (Dr. J. L. Schultz, a retired DuPont employee, is an IUPAC consultant). For nomenclature for spiro-macrocycles, a decision was made at the Brisbane meeting to accept the Schultz/Wilks approach, rather than the alternative approach by Fox. Prof. Ernest Marechal elected to relinquish his position as Project Leader for this project; from July, 2001, his place will be taken by Prof. Werner Mormann (Univ. of Siegen, Germany).

2001 Fall Reports

Project 30/97: Prof. Jiri Vohlidal (Charles Univ., Prague) continues to work on this document, for which Ted Wilks is nominally Project Leader. The latest version, presented at the Brisbane meeting, was well received; the document is near completion-minor corrections are still needed.

Project 22/93: seven of the eight chapters proposed for the Guide have been assembled in electronic format; we await a decision on whether the planned Chapter 2, Polymerization Reactions, will be written or abandoned.

Project 33/99: suggestions for minor modifications made at the Warsaw meeting were implemented in the revision distributed November 1, 2000. Further suggestions made at the Brisbane meeting will be implemented in the next revision (due November 1, 2001).

Project 35/2000: suggestions for minor modifications made at the Warsaw meeting were implemented in the revision distributed November 1, 2000. Further suggestions made at the Brisbane meeting will be implemented in the next revision (due November 1, 2001).

"Purple Book" revision: the 1991 edition of the "Purple Book" has been converted to .pdf format and is available on the IUPAC website

<http://www.iupac.org/publications/books/author/metanomski.html>. As revised chapters become available, they will replace earlier ones. When the revised chapters for the complete second edition are available, IUPAC will publish the book. Ted Wilks is responsible for collecting all revised chapters and editing of the complete second edition.

B. Promulgation of Correct Polymer Nomenclature and Structure-Based Representations

B1. Macromolecular Nomenclature Note No. 18 (MNN 18). The contents of MNN 18 continue to draw interest. The original article, published in *Polymer Preprints*, 2000, 41(1), 6a-11a, has been translated into Chinese, Hungarian, and Spanish. The Chinese and Hungarian versions were published in polymer journals in China[1] and Hungary[2], respectively, and the Spanish version is available on the POLY website[3]. The Nomenclature Committee's thanks go to Prof. Jiasong He* for the Chinese version, to the DuPont Language Services Unit and Dr. Andrew Foldi for the Hungarian version, and to Prof. Javier Macossay** for the Spanish version.

[1] *Gaofenzi Tongbao (Polymer Bulletin)* 2001, No. 2, 74-80.

[2] *Muanyag es Gumi (Rubber and Plastics)*, 2001, 38, 49-55.

[3] <http://www.chem.umr.edu/~poly/nomenclature.html>

*IUPAC Commission IV.1 member

**ACS POLYmer Division Nomenclature Committee member

Work is still in progress on translations into:

- Japanese (there is the possibility that the ACS POLY Division Nomenclature Committee 2002 budget will pay for the translation)

- Korean, courtesy Prof. Choon Do

- Polish, courtesy Prof. Osman Akhmatowicz*

- Portuguese (for Brazilian readers), courtesy Dr. David Tabak*

- Russian, courtesy Prof. Valery Shibaev* (*Vysokomolekulyarnye Soedineniya* will publish English and Russian versions)

B2. Other MNN Versions available on the POLY website

2001 Fall Reports

- <http://www.chem.umr.edu/~poly/nomenclature.html>. Spanish-language versions of MNN 16 ("Modern Nomenclature And Terminology For Polymer Science and Engineering") and MNN 17 ("Whither Nomenclature?"). The Nomenclature Committee thanks Prof. Javier Macossay for his diligent translations.

- MNN 19 by Prof. Bela Ivan, entitled "Terminology and Classification of Quasiliving Polymerizations and Ideal Living Polymerizations on the Basis of the Logic of Elementary Polymerization Reactions, and Comments on Using the Term 'Controlled'", was published in Polym. Prepr. 2000, 41(2), 6a-13a, and also in Macromol. Chem. Phys., 2000, 201, 2621-2628, by Wiley-VCH, Weinheim, Germany, through the courtesy of Dr. Ingrid Meisel, a IUPAC Commission IV.1 member.

- MNN 20 by Sylvia Teague (Chemical Abstracts Service), entitled "Siloxanes and Silicones in the CAS Databases" was published in the paper edition of Polym. Prepr. 2001, 42(1); it was inadvertently omitted from the CD-ROM edition, but it will appear in the 2001, 42(2) CD-ROM edition.

C. Other Matters. The Committee continues to promote polymer-nomenclature recommendations, especially those of the IUPAC Commission on Macromolecular Nomenclature (Commission IV.1). The Committee monitors how the macromolecular nomenclature matters are explained and discussed in various textbooks and handbooks, and offers suggestions for improvements. Individual questions from POLY members and requests to help in the naming of polymers are answered promptly.

2001 Fall Reports

Industrial Advisors A. Bowen-Jones, D. Priddy

The function of the industrial advisors is to help POLY in better serving their industrial members. Goals include: influencing programming to provide more symposia topics of interest to industry, attracting more industrial members, and increasing industrial participation at national meetings (attendance, technical presentations, symposia co-organizing, and participation in POLY governance and committees).

Currently we are working to negotiate co-sponsored programming with industrially oriented trade groups. We have met with the Federation of Societies for Coatings Technology (FSCT) Program Committee and are working with George Pilcher of PMSE Div. to co-organize a joint symposium on coating technology for the Fall 2002 meeting. We would then reciprocate by co-organizing a similar symposium at the 2003 National FSCT Meeting.

We are also working with Corporation Associates to solicit ideas for POLY Symposium topics of particular interest to Industry.

2001 Fall Reports

Publicity E. Martin

On May 4-5, 2001 I attended the ACS workshop "The Elements of Communication - Becoming a PR Catalyst for Chemistry" at the Belmont Conference Center in Baltimore, MD. This was the first year this program was offered to division PR chairs and most of the topics were geared towards media outreach for local sections. I was, however, able to meet and talk with PR chairs from other divisions and participate in positive brainstorming sessions with them and the ACS Office of Communications representatives.

Team Pub currently consists of Dennis Smith (Assistant Secretary) and our newest addition, Hiep Ly (Xerox Corp.). We are always looking for more members, so please pass the word!

Action items since the last meeting:

- Unilever Award announcement in C and E News (July 2nd issue - page 39)
- Workshop announcements on electronic distribution list and C and E News (July 16th issue, page 38)
- Industrial Sponsors Award announcement in C and E News (August 20th issue - page 68)
- C and E News article on the 50th Anniversary of the POLY Division (in progress as of August 1)
- Event updates (awards, symposia, etc.) have been maintained on the electronic distribution list and web site
- Posters were provided for the Industrial Sponsors reception and symposium, Unilever symposium and Nobel Laureate symposium 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)

New action items:

- Begin monthly teleconferences
- As mentioned in the report from San Diego - Team Pub will work to outreach POLY news/events to universities, industry, and local sections (esp. the contacts I made at the PR workshop)

Several of you have contacted me directly in order to request Team Pub's assistance in the publicity of your event(s) for this meeting - I encourage everyone else to do the same in the future!

Programming C. D. Smith

The Division of Polymer Chemistry had 541 technical papers on the program of the National Meeting in Chicago, August 26 - 30, 2001. These 541 technical papers may be divided into several categories: 157 oral and 77 poster presentations in topical symposia; 59 oral presentations in special award or anniversary symposia; and 60 oral and 188 poster presentations from general contributions. Highlights included:

- A symposium jointly sponsored with the Society of Polymer Science Japan in which all three of the recent Nobel Laureates in the area of Polymer Chemistry delivered their Nobel addresses
- ACS Unilever Award in Polymer Chemistry honoring S. Yang
- A Symposium on Macromolecular Assemblies for Optical and Electronic Applications, jointly sponsored with PMSE, to honor Sukant Tripathy
- ACS Industrial Sponsors Award honoring Alan English

Other symposia covered a wide range of topics of fundamental and applied interest:

"Combinatorial and Highly Parallel Techniques for New Materials" started with a full session of tutorial lectures, and then addressed issues associated with synthesis, surface properties and characterization. The meeting began with a one day symposium on "Tailored Synthetic Polymers as Biomaterials" that focused on the needs in this area and the creative solutions that polymer chemistry can provide while "Advances in Photoinitiated Polymerizations" had the largest number of topical contributions and had six sessions covering topics such as cationic polymerizations, kinetics and mechanisms of free radical polymerizations, and new and emerging applications of photopolymerizations. "PVC and related Polymers" conducted a two-day symposia that addressed issues associated with the chemistry, physics and properties of these materials. "Recent Advances in Polyurethanes" was a single day symposium that continued the "Recent Advances" series that POLY has been running for the last several years while a half-day session on "Career Development in the Polymer Industry" discussed different career paths. Submissions in "Advances in Filler Technology" discussed interfaces, new materials and filler dispersion, primarily focused on utilizing real-time analytical techniques to probe both novel synthetic processes and polymer processing. As was stated in the last report, *POLY is fortunate to have enthusiastic members who organize these outstanding programs for the entire polymer community. Their time commitment should not be underestimated or undervalued!*

All POLY abstracts and Polymer Preprints for this meeting were collected by the ACS Online Abstract System (OASys), and this will continue in the future. We continue to suggest improvements to ACS and solicit input from our organizers and submitters to present to ACS. The system works well for abstracts, but issues surrounding the format and content of Polymer Preprints must be addressed. Far fewer problems occurred during preprint submission at this meeting; however, the timing of the availability of preprints to the editors remains an issue.

Symposium plans for the Orlando meeting in Spring 2002 are complete while those for Boston in Fall 2002 are nearly complete. The 2003 schedule is largely complete, and a number of commitments further into the future have also been made.

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 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

2001 Fall Reports

information the committee needs to consider a suggestion. Call, fax, mail, or e-mail suggestions to one of the program co-chairs, Christopher Bowman or Carrington Smith.

2001 Fall Reports

Macromolecular Secretariat - MACR M. Hillmyer, T. Long

Personnel: Don Schulz (PMSE) is the 2001 general secretary. Robert Ofoli (COLL) has been appointed as the general secretary elect for 2001 and the general secretary for 2002.

Symposia: The following upcoming MACR symposia have been approved by MACR and by POLY:

Fall 2001 (Chicago) — Polymers for Biomedical Applications. Buddy Ratner and Kathryn Ulrich organized this symposium (McCormick Place South)

Fall 2002 (Boston) — Biomacromolecules. A.C. Albertson, Graham Swift will possibly co-organize this symposium

These topics are future MACR symposia currently under discussion: Fall 2003 (New York) — Intelligent Macromolecules (tentative) — Ty Vigo. Fall 2004 (Philadelphia) — Networks and Gels (tentative) — Jay Dias

Possible future symposia (Input or comment on these topics is welcomed):

Polymers in the Environment

Non-covalent and Aggregate Materials — Tim Long

Networks and Gels — Jay Dias

Polymer Compatibilization — Dave Lohse

Plasticization

Polymer Characterization

Polymers in the Pharmaceutical Industry

Notes: The MACR web site is up and running, is very nice, and there is a link to ACS. The URL is: <http://membership.acs.org/m/macsec/>. Tim Long (tlong@chemserver.chem.vt.edu) is responsible for maintenance of this page.

2001 Fall Reports

Materials Secretariat - MTL R. Laine

At the Spring meeting the Materials Secretariat concluded that it should at present only program for Fall meetings. At the current meeting it has a cross-divisional set of symposium entitled: **Three-Dimensional Silicon-Oxygen Cages (polyhedral oligomeric silsesquioxanes, POSS): Materials for the 21st Century—Chaired by M. Gordon of PHYS., Pat Mather of POLY and R. Laine INORG**

For Boston next year, we plan, when fully approved, to program a symposium entitled: **"Photonic Multiscale Materials and Devices"**. Dr. Ghassan Jabbour of University of Arizona will be the organizer.

Proposed New Symposia include:

1. Hybrid Materials – Ken Wynne, Rick Laine, Frank Blum
2. Combinatorial Chemistry II—Ripu Malhotra and Friends

The Chicago Materials Chemistry Secretariat meeting was held at McCormick Place North, N140, 7 - 9 am Monday Aug. 27, 2001.

2001 Fall Reports

Intersocietal/OSA G. Lindsay

A four-year Agreement (2001-2004) between ACS (POLY & PMSE) and the Optical Society of America (OSA) has been signed by all parties at the executive level on the topic of Organic and Polymeric Thin Films for Photonic Applications. Joint symposia will be held at the Fall annual meetings of ACS (even years) and OSA (odd years). The 2001 OSA meeting is being held in Long Beach on Oct 15-17 (for details see: http://www.osa.org/mtg_conf/ANNUAL/). Planning for the joint ACS/OSA symposium to be held at the ACS Annual meeting in Boston (2002 Aug) is underway. To avoid overlap, this symposium will be coordinated with the Materials Secretariat program committee who is planning a symposium on a similar topic. Anyone who is interested in being involved in the joint programming with OSA, please contact Alex Jen (ajen@u.washington.edu) or Ghassan Jabbour (gej@optics.arizona.edu).

Intersociety Polymer Education - IPEC A. Salamone

IPEC develops and supports the introduction of polymers into the K-12 curricula. Students at all levels can relate to polymers, so this activity is an excellent way to interest students in science and technology.

IPEC's biggest activity is the Polymer Ambassadors. The Ambassadors are a group of about fifteen talented and dedicated classroom teachers. After a training year, they conduct workshops at regional and national teachers conventions. In the workshops, they teach other teachers to use polymers in classroom instruction at all levels. Nineteen workshops were or will be conducted in 2001. 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 in this way. The Ambassadors receive a stipend of \$3000/year, but they do the work mainly 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. Maximum enrollment is achieved every year. Additional workshops are being developed.

For the future, IPEC is taking its program to the world wide web. Already, classroom materials developed by the Polymer Ambassadors are available on the web. IPEC hopes to work with the University of Akron to develop interactive, remote learning courses and workshops for teachers. IPEC's budget is in good shape. The budget for 2001 is \$60,500; break-even operation is projected. Reserves at the end of 2000 were \$81,430.

IPEC needs your help:

- Past financial support is greatly appreciated, and we hope it will continue.
- IPEC would like to add a third board member from each sponsoring organization. With more people involved, more could be accomplished.

For more information:

- IPEC: www.uwsp.edu/chemistry/ipec/home.htm
- Polymer Ambassadors: www.uwsp.edu/chemistry/ipec/pa (New site; includes instructional material)
- IPEC Newsletter: E-mailed to sponsor officers and executives quarterly.

Biotechnology Secretariat - BTEC K. E. Uhrich

BTEC programming is now available at: membership.acs.org/b/btec/btechome.html.

For immediate reference, the upcoming BTEC programming is summarized below. POLY is co-sponsoring the F02 meeting, and I recommend that POLY also co-sponsor the SP03 meeting. Note that polymer scientists are already running the F02 meeting, but recommendations for program organizers for the SP03 meeting are solicited if POLY has appropriate programming. Current POLY programming for SP03 that may correlate includes "Crosslinking Materials and Processes" and "Polymer Design Using Non-Covalent Methods". The BTEC and POLY organizers were informed via email of the potential for coordinating symposia.

Fall 2002 Meeting, Boston. Program Chairs: David Kaplan, Graham Swift, Steve Goodwin and Allan Russell, "Biotechnology for a Sustainable Environment". Synopsis: The conference scope will broadly be biomacromolecules with an interdisciplinary focus on the interactions of macromolecules with biological systems and their environments, as well as biological approaches to 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

- Spring 2003 Meeting, New Orleans. Program Chair: Sharon V. Vercellotti, "Biogels". Topics will likely include:

- DNA technology
- Stem cells
- Drug delivery
- Implants
- Transplants
- Blood replacements
- Tissue regeneration
- Ethical issue
- Patent concerns
- Agricultural products with enhanced properties: plant growth, yield, nutrition
- Food safety and allergens

- Fall 2004 Meeting, Philadelphia. "Genomics and Proteonomics for the Chemical, Food and Pharmaceutical Industry".

- Spring 2005 Meeting, San Diego, suggested topics include: marine biotechnology, enzyme catalysis, directed evolution, biomimetics.

History W. V. Metanomski

POLY 50th ANNIVERSARY:

1. The POLY "History Update, 1991-2001", a 47-page commemorative booklet, made its debut at the Spring 2001 San Diego meeting and was well received.
2. Thanks to untiring efforts of Frank Blum, the complete booklet with all the appendices is now available at the POLY Web site: http://www.chem.umr.edu/~poly/poly_link/history/poly.hist.2000.html with a direct link from the POLY Home Page.
3. The booklet will be included in the August 2001 issue of POLYMER PREPRINTS in both the CD ROM and printed hard copy.
4. The POLY Business Office took over the tasks of promoting and distributing the booklet to the POLY Executive Board, POLY former chairs, and POLY former Councilors and Alternate Councilors, as well as members of the ACS Governance and chairs of the ACS Secretariats and of the ACS "sister" Divisions.
5. One error has been discovered on p. 46: The 2001 Distinguished Service Award was given to Robert B. Moore, the Associate Editor of POLYMER PREPRINTS, for his contribution to the conversion of the publication to the CD ROM and online versions (not Robert S. Moore).

HISTORICAL REFLECTION:

In 1952 History of the ACS, commemorating its 75th anniversary, when POLY was just one year old, the following prediction was published: "The area staked out for the operations of this Division requires much exploration. Many important industries are found within its borders. The opportunities ahead are unequalled in chemistry. Certainly the historian of the future will find it necessary to devote much space to the accomplishments of the Division".

Some 50 years later, upon the receipt of the POLY "History Update" Dr. James D. Burke, an ACS Director, wrote: "Thank you for your kind gesture in sending me the 1991-2001 History Update of the Division of Polymer Chemistry. It is well designed and a pleasure to read. It's especially satisfying to recognize that this wonderful story happened only because literally thousands of very talented scientists chose to work together for the benefit of the Division. We have a great past. Let's strive for an even better future!"

No comments are needed for these BEFORE and AFTER statements!

ACS 125th ANNIVERSARY:

I have previously reported that in response to an invitation from the ACS, I submitted last year on behalf of POLY a two-part contribution on "Polymer Chemistry":

- a. "History of the ACS Division of Polymer Chemistry (POLY)", an update for the period 1976-2000, written by me;
- b. "Advances in Polymer Chemistry in the Past 25 Years", an update for the field of polymer chemistry, written by Herbert Morawetz.

I have just been informed by the ACS that the edited manuscripts will be reviewed and proofread by the contributors in September and October 2001, and that the book is expected to be published in December 2001.

Membership H.-N. Cheng, S. Pollack

The Membership Committee has continued its efforts vis-a-vis member recruiting, retention, and recognition. The committee coordinates its activities through monthly teleconferences and email messages. The committee members are Cheng (Hercules, Co-Chair), Pollack (Howard, Co-Chair), Erica Martin (Rohm and Haas), Dan Knauss (Colorado School of Mines), Pal Arjunan (Exxon-Mobil), Nozar Sachinvala (USDA), Garrett Poe (Univ. of Southern Mississippi), and Ken Carter (IBM, Member-At-Large).

1. Member Recruitment

The initiatives in this area since April include:

a. Target: ACS attendees in Chicago

To encourage more people to sign up as POLY members, we had a "Member-Get-Member" campaign in Chicago. A raffle was held for all new members as well as the POLY members who recruit them.

b. Target: Attendees at the POLY poster session

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

c. Target: Subscribers and users of polymer journals

Following a tip from MRS, we made calls to a number of journals to offer to display their journals at meetings and (in return) place our ads in their journals for free. We had some initial disappointments, but then John Wiley agreed to work with us. The arrangement includes the following Wiley journals:

Biopolymers

Advances in Polymer Technology

Journal of Polymer Science

Journal of Applied Polymer Science

More contacts will be made with other relevant journals.

2. Member Retention

The targets in this area are the "at risk" members. One category of "at risk" members include those people who received free membership in POLY due to their attendance in POLY workshops or courses. Neta has provided us with the names of these people and contact information. We have sent each of them a letter of welcome. The purpose is to open a channel of communication so that later (hopefully) we shall have a better reception when we remind them to renew their memberships.

The membership database indicates that 1/3 of the members drops out within two years. We shall send letters electronically to both first- and second-year members in late September to encourage them to renew.

3. Member Recognition

The activities since April comprise two items:

a. Recognition awards to 30+-year members

2001 Fall Reports

Requests have been received and compiled from the 30+-year members on their choice of awards. The awards have been sent to them, thanks to the Business Office staff.

b. Recognition of POLY members who achieve major anniversaries (5, 10, 20, 30 years). We are moving ahead with this action item. The plan is to have this as an annual event, the first to take place in April 2002 at Orlando. The members being recognized will also get a letter from POLY and a lapel pin as the recognition gift.

4. Electronic Communication

Our experience is that database and electronic communication are critical to the functions of this committee. It is fortunate that Steve is very skilled in computers. To facilitate similar activities in the future, Steve is in the process of putting the POLY membership database on the web and providing access to the members of this committee. We are also discussing possible ways whereby some of the procedures might be partly automated.

5. Other Items

The committee was looking at the possibility of 12-month rolling division membership. As it turned out, the National ACS instituted the 12-month rolling membership society-wide. Any new or reinstated members will now have a rolling start on both national and division dues. However, an existing member who joins a new division will have the same term as the national term.

Circulation F. R. Dammont

I am pleased to report that with the Fall Preprints issue (42-2,) we have successfully overcome the initial trauma of transition to the added CD-ROM format. We have now a reliable printer-mailer service and we do not expect any future unusual problems.

Including the six accounts ordering CD-ROM we have shipped to library subscribers a total of 383 copies, 277 copies via the printers and 106 copies from Newark to addresses requiring special handling (UPS shipments, late payments, etc.)

With the help of the ACS HQ office, we have also established contact with Deutsche Post Global Mailing, (DPGM,) who will carry the Preprints to all our overseas subscribers at the ACS high-volume discount rates. They will provide a guaranteed delivery service at a rate competitive with the uneven US Postal Service. This will eliminate all cost of satisfying non-delivery claims.

Considering the monstrous rate increases of postal charges it will allow us significant savings.

The arrangement stipulates that the cost of all overseas and Canadian hard copy mailing, both, initiated at the printers and the ones sent from Newark will be charged directly to our DPGM account, to be settled by us, bypassing all intermediaries.

Overseas charges for mailing tripled from what we have been paying last year, and, therefore, we strongly recommend to impose an at least \$25.00 surcharge for all foreign hard copy deliveries for the year 2002. The rates of domestic mail delivery remain temporarily unchanged.

Regrettably, we must also report that there is a staggering number of non-receipt claims for Vol. 42-1 (Spring 2001,) all from addresses serviced by the printers - there are no claims for books

2001 Fall Reports

shipped from Newark. The claims result undisputably from the negligence of the printers of this issue, whose services were, to the best of our understanding, cancelled after the first issue. Since we have a standard 10 months claim policy, we are unable, yet, to predict the number of copies which will be claimed to expiration. At present, about 20% of all library accounts copies, serviced by the printers were already claimed. We have a reserve of about 150 books to handle all future single-issue sales and claims.

2001 Fall Reports

Business Office N. L. Byerly

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

2001

- **Macromolecule Metal Complexes MMC9** - Polytechnic University, Brooklyn, New York (August 19-23, 2001). Co-Chairs: K. Levon and Y. Okamoto.
- **Polyolefins III** - Rohnert Park, California (October 7-10, 2001). Co-Chairs: J. E. McGrath, P. Arjunan, and T. Hanlon.
- **Organic/Inorganic Hybrid Materials**, Rohnert Park, California (November 14-17, 2001). Co-Chairs: F. D. Blum and R. M. Laine.

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. Chair: James E. McGrath (September 29 — October 2, 2002)
- **Fluoropolymers 2002** — South Carolina. Chair: Dennis Smith (October 2002)
- **Biomedical Workshop** - Rohnert Park, California. Chair: Buddy Ratner (November 13-16, 2002)
- **2002 Biennial Symposium: Polymeric Nanomaterials** - Rohnert Park, California. Co-Chair: Alan D. English, Barry L. Farmer, and Richard A. Vaia (November 17-20, 2002)

2003

- **Fuel Cells 2003** - Asilomar Conference Grounds, Pacific Grove, California, Chair: James E. McGrath (February 23-26, 2003)
- Hotel contracts are currently being negotiated for **Polyurethanes II** to be held in Annapolis, Maryland in the fall 2001.

Brochures for these workshops could be obtained at the Membership Booth in Chicago, IL, CA or by contacting the Business Office. The Spring 2001 Newsletter was mailed out to the membership in June 2001.

A total of 58 new members joined the Division of Polymer Chemistry in San Diego, CA. These numbers were down significantly compared to previous meetings due to the lack of hard copies of the Polymer Preprints available at the booth.

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

POLYED PROGRAMS

Visit the POLYED HOME PAGE at <http://www.polyed.org>. The POLYED Directory, which provides contact information for all committee members, also is available on-line.

Two important programs are currently being developed that resulted from the POLYED PIPELINE. One of these programs is the Polymer Science Learning Center or PSLC. The PSLC evolved from Macrogalleria, a USM web-based polymer education resource that originated with seed money from POLYED and subsequently others. The PSLC is now funded by the National Science Foundation and involves three sites, the University of Southern Mississippi (main site, L. Mathias, Director), the Chemical Heritage Foundation (M. Michalovic), and the University of Wisconsin-Stevens Point (J. Droske). With this NSF support, the PSLC is developing web-based as well as written text and laboratory materials for an undergraduate course in polymer chemistry. The laboratory experiments that were developed at the POLYED Center with previous NSF support are being incorporated into the PSLC.

Another program that has its origin in POLYED is a benchmark polymer education program for elementary students. Sue Hall, an elementary teacher, became acquainted with polymers by participating in POLYED programs and Sue was hired as a lead teacher for the NSF-supported MATR Institute. With this start, she has now launched a novel program to incorporate polymers into elementary classrooms. This outstanding program recently was awarded an Improving the Public Perception of Polymer Award by POLY.

In an effort to provide educational opportunities within all of the POLYED's directorates, POLYED currently is considering a program to identify the educational needs of current POLY and PMSE members in light of the many changes that the polymer industry has seen in recent years. A cross-disciplinary effort to promote polymer education in other areas is also being considered.

This year, the POLYED Center assisted IPEC in implementing a web site for the Polymer Ambassadors, <http://www.polymerambassadors.org>. This web site came online in Summer, 2001, and is being hosted by the University of Wisconsin-Stevens Point. The POLYED Center also assists IPEC in publishing the annual Polymer Ambassadors Action Plan booklets. IPEC also has a web site, <http://www.ipeconline.org>.

2001 Fall Reports

AWARDS

POLYED Summer Research Scholarships of \$3500 each were awarded in 2001 to three outstanding undergraduate students Donde Anderson (Professor SonBinh Nguyen, Northwestern University), Anna Salamone (Professor Paul Miller, U Wisconsin — La Crosse), Erin Shaneyfelt (Professor Michael Nichols, John Carroll University).

Dr. Shu Yang is the 2001 recipient of the Unilever Award for Outstanding Graduate Research. The award was presented at the Chicago meeting. He received a cash award, a plaque, and travel expenses to the meeting.

Six finalists presented papers in the ICI Student Award in Applied Polymer Science Symposium held at the Chicago ACS meeting. Each of the finalists received expenses from ICI to attend the meeting and make their presentations. The student who presents the winning paper will be recognized at the Spring ACS meeting.

The Outstanding Student in Sophomore Organic Chemistry Award annually recognizes the top chemistry student at several hundred colleges and universities in the United States.

POLYED Report Submitted By:
J. Droske and C. Carraher, Jr.