

2013 Spring Reports

Strategic Planning Report

Gregory N. Tew
POLY Chair 2013

Mission: Advance the broader polymer enterprise to meet the global challenges of the 21st century

Vision: Be the premier professional organization promoting polymer science and its value to society

Three Goals were identified. For complete details, [click here](#).

POLY – Councilor’s Report New Orleans, 2013

F. Blum, M.A. Meador, W. Daly, J. Pochan

At the New Orleans National Meeting (April 7-11, 2013), all four POLY Councilors attended the ACS Council meeting. The following account summarizes some selected activities in the Council and in committees and task forces that POLY Councilors are involved in.

General Topics:

1. The New Orleans national meeting attracted 15,596 registrants, including 8,084 regular attendees and 5,790 students. The meeting had 11,232 papers presented. 2. ACS membership is declined slightly; we are down to 163,322, a net loss of 893 members. The number of domestic regular members has declined because a some members are not renewing their memberships. The Membership Affairs Committee (MAC) will reward members who recruit new members with an ACS Periodic Table Throw. Go to acs.org/MemberGetMember to get yours. 3. The Committee on Nominations and Elections (N&E) presented to the Council the following nominees for selection as candidates for President-Elect, 2014: G. Bryan Balazs, Charles E. Kolb, Jr., Carolyn Ribes, and Diane Grob Schmidt. By electronic ballot, the Council selected G. Bryan Balazs and Charles E. Kolb, Jr. as candidates for 2014 President-Elect. 4. The Council rejected an amendment (petition) to the ACS Constitution and Bylaws for action: The Petition on Amend National Election Procedures. The petition sought to allow N&E to nominate only two candidates for President-Elect. Council would still have an option to nominate candidates from the floor. 5. The Council approved annual dues of \$154. M & E is recommending an advance member registration fee of \$380 for national meetings held in 2014. 6. The Board of Directors voted to establish a Senior Chemists Committee.

Despite the sluggish economy, ACS generated favorable operating results in 2012. Total revenue was \$490.7 million, which was \$6.1 million or 1.3% greater than the approved budget, and 3.9% higher than 2011. The Net from Operations was \$20.2 million, or \$4.3 million favorable to budget. This was largely attributable to better-than-expected performance by ACS Publications and CAS, and represents the Society’s 9th consecutive year of positive operating results. While operating performance was favorable, Unrestricted Net Assets declined \$1.4 million to \$100.6 million. Finally, ACS ended the year in compliance with four of the five Board-established financial guidelines.

Council Policy Committee (CPC) – Frank Blum

The CPC (an elected committee of Council) developed a slate of potential nominees for the Committee on Nominations and Elections. CPC also voted to establish Task Forces to look at the Councilor reimbursement policy and (joint with Nominations and Elections) the timelines for Presidential selection.

Division Activities Committee (DAC) - Mary Ann Meador

The Divisional Activities Committee (DAC) received a request from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces and Nanomaterials. Six divisions have registered opposition to the proposed name, largely due to the use of the term ‘nanomaterials’. DAC will ask Council to vote on the new name in Indianapolis, with a recommendation to approve.

Meetings and Expositions (M & E) – Bill Daly

Board Chairman Bill Carroll has formed a task force to review all aspects of national meeting operations. The site selection subcommittee has been placed in hiatus pending the findings of this task force. The 2013 Fall meeting in Indianapolis is in an excellent venue; members are strongly encouraged to attend. The Indianapolis Speedway will be featured in a number of events. The committee reviewed the status of ACS-POD. A charge for viewing the presentations from Philadelphia was imposed for the first time; very limited billings were processed. However, there was good traffic; hits increased 165% in 2012 and more presenters were willing to participate. The new editor, Jerry Skolnicki, has established a policy for presentation formats and is expecting authors to follow the copyright rules for a scientific publication. He is building an editorial board from volunteers from selected divisions. The Archive recordings for the San Diego and Philadelphia meetings are available at: <http://presentations.acs.org>. In 2015, the abstract entry system (PACS) must be replaced. A Volunteer Advisory Group representing M&E, DAC, PACS Advisory Board and Program Chairs has reviewed four vendors – evaluating ability to meet ACS’ requirements, ease of submission, program navigation and offline processes. The top two vendors will be asked to present prototypes that will be tested by the Advisory Group, a select group of Program Chairs/Session Organizers and staff by participating in mock meetings in early 2014. Division volunteer training will be initiated in Spring 2014 with an anticipated roll out of the new system in time to handle the abstract submissions for the Spring 2015 meeting. ACS is increasing staff levels to give Divisions the ability to have a designated staff person to assist with organizing the program in the abstract system so volunteers can focus more on content and less on organizational and administrative duties. The word limit for abstracts was increased to 300 words effective on January 2013 for the opening of submission for the Indianapolis meeting. This will allow POLY to produce the graphical abstracts that are replacing Polymer Preprints.

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Business Office Report

Lesia Linkous, and Kathy Mitchem

March 2013

The ACS Division of Polymer Chemistry Business Office assists with the day to day operations of this Division.

Current activities include:

Budget: The Business Office continues to work with the Treasurer on implementation of the budget.

Workshops: Provides support to workshops to include budgeting, administration, registration, advertising to include web development, materials development, and on site organization Overhead for 2011: 109k (budgeted 54k), 4 workshop in 2012, 57K (budgeted 40k, 6 workshops in 2013 52,000.00 estimated, 4 potential workshops to be proposed for 2014, 1 workshop currently approved for 2015.

Awards and Recognitions: Assists with the sponsorship collection, nomination collection, plaque creation, poster displays and on site dissemination of awards

Membership: Act as an available contact to members and assist with their special needs. Responsible for operation of the membership booth (New Orleans and Indianapolis are next). Support Membership Committee by providing general support with annual awards, recognitions, POLY News listserv, among others. The Business Office has been active in providing administrative support with PACS.

Elections: Assist in the collection of ballot information and provide administrative support to electronic balloting. Report results to officers.

Preprints/Libraries: Though past preprints are available online to its members, these members can purchase CD copies from this office. (\$5 members, \$50 nonmembers). There will be a transition process to create of back up of all preprints to electronic form. The Business Office continues to work with Fred Dammontand MIRA to complete the storage process. Additional time is needed to complete.

Newsletter: Assists Secretary with the creation and dissemination of biannual newsletter to its members.

IAB: Collect ads, payments, create drafts -Spring Newsletter: June; Fall Newsletter: October Assist this committee with administrative tasks to include invoicing and collection of donations, drafting periodic Bulletin, and provide on site committee support.

The Staff/Office: The Business Office is located on the campus of Virginia Tech.

The university is renovating designated space so the office has moved to a temporary location as of August 2011. Phone/fax/email have not changed. Mailing address has changed to 103 Surge, Virginia Tech, Blacksburg, VA 24061. As Neta Byerly has retired, Mitchem and Linkous will be dividing Bookkeeping duties. A 3rdPerson (Ashley Ritter) has been hired.

Staff Responsibilities

Mitchem	Lesia Linkous	Ashley Ritter
Bookkeeping/Accounting	Bookkeeping/Accounting	Workshops
Meetings	Workshops	Poster
PACS	Hotel	Pre-Registration/Support
	Contracts	

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Workshop Committee

Co-Chairs of the Workshop Committee: Gobet Advincula & H. N. Cheng. Committee Members: Dylan Boday, Michael Hickner, Joseph Mabry, Bob (Kodak) Moore, Rakesh R Nambiar, Yongping Zha

Workshop Considerations:

Sponsorship, E-list, Committed organizers Working w/ other organizations, Branding

- This committee has developed a confidential list of sponsors from previous events to use as a tool for connecting sponsorships to future workshops.
- HN will continue to send edited notes of Workshop Committee meetings to POLY program chairs as well as IAB chairs.
- The Workshop Committee will meet in person at the New Orleans National Meeting

Co-Sponsorship National Graduate Student Meeting

Co-Organizers: Dave Schiraldi and Liming Dai of Case Western University – meeting held there
Date: May 22 – 25, 2012

* POLY offered sponsorship (1k POLY General and 2k POLY IAB), WAITING ON FINAL REPORT FROM ORGANIZERS. No funds disbursed by POLY or IAB. Funds disbursement is not budgetted for FY 2013.

Organizers did not request funds: only 101.05 paid for copies

GRAD STUDENT CONFERENCE 2014

the 2014 conference recommendation goes to LSU

Per 12/8/12 Email, decision announced by HN/Gobet. Three submissions strong, though LSU is winner. We now have, “a healthy pipeline for future conferences.”

Exec. Comm Approved

2016 AND 2018 POSSIBILITIES

Colorado State

Clarkson

University of Florida

PREVIOUSLY, Advertisement placed on POLY list server, August 8, 2012/deadline August 15, 2012, requesting proposals.

INITIAL RESPONSE:

- Clarkson University
- Colorado State University
- LSU
- Texas State – San Marcos
- UT-Dallas
- Workshop Budgeting Activities (Snapshot of activities during FY 2012 available from the business office)

Polycondensation 2012

Organizers: Timothy E. Long and Jim Hedrick

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TOTAL ATTENDEES: 86, Final Projected Overhead: \$18.3 K

Fluoropolymer 2012

Organizer: Dennis Smith, Program development by Scott Iacono

TOTAL ATTENDEES: 126, Final Projected Overhead: \$13.6 K

Early indication is that this meeting will repeat. Workshop approval should be completed by Summer 2013 – San Diego

Polyurethanes 2012

Organizers: Kenneth Wynne, James McGrath, Garth Wilkes

TOTAL ATTENDEES: 43, Final Projected Overhead: \$6.6 K

Silicon Containing Polymers and Composites 2012

Organizer: Joseph Mabry

TOTAL ATTENDEES: 75, Overhead to date: \$22.5 K

Early indication is that this meeting will repeat. Workshop approval should be completed by Summer 2013 – San Diego

Impact on Membership Numbers

2012 Workshops/ Nonmember attendees

- Polycondensation, 49 (29 Regular, 20 Students)
- Fluoropolymer, 61 (53 Regular, 8 Students)
- Polyurethanes, 24 (20 Regular, 2 Students)
- Silicons, 21 (18 Regular, 3 Students)
- Impact on Membership # = 155

Approved Workshops 2013

2013 Advances in Materials for Proton Exchange Membrane Fuel Cells Systems

Organizers: Team of Benicewicz, Zawodzinski, Hamrock, Herring, Hickner, Kerr, Kim, McGrath, Moore

Location: Asilomar Conference Grounds, Pacific Grove, California, February 17-20, 2013

TOTAL ATTENDEES: 101, 110 PROJECTED

2013 Advances and Processes for Polymeric Membrane Medicated Water Purification

Organizers: Benny Freeman, James E. McGrath, and Judy Riffle

Location: Asilomar Conference Grounds, Pacific Grove, California, February 24 – 27, 2013

TOTAL ATTENDEES: 72, 100 PROJECTED

Both events are on track to meet budget. Early indications from organizers are that repeats are probable. It is optimal to have a workshop proposal/approval from these organizers by Fall 2013

2013 Sustainable Polymers

Location: Safety Harbor Conference Ctr, Safety Harbor, FL

Organizers: Dylan Boday and Marc Hillmyer

May 20 – 23, 2013

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- * **Registration deadline is April 17**
- * **Need program from Organizers**
- * **Sponsorships have been extremely high, to include an ACS Innovative grant of 6,500.00**
- * **39 registered to date, anticipated 110**

2013 Composites Workshop

Location: Hilton Sonoma Hotel, Santa Rosa CA

Organizers: S. Morgan, D Savin, MA Meador, M. Meador, J. Gilman

July 21 – 24, 2013

- * **Registration deadline is May 31**
- * **Organizers have developed a list of potential speakers**
- * **Anticipated attendees 80**

2013 Polymers in Medicine and Biology

Location: Hilton Sonoma Wine Country, Santa Rosa, CA

Organizers: Buddy Ratner, Judy Riffle, Kathryn Uhrich

October 9 – 12, 2013

- * **Registration Deadline August 30**
- * **Active Fundraising at this time**
- * **Anticipated attendees 90**

2013 Advances in Polyolefins

Location: Hilton Sonoma Wine Country, Santa Rosa, CA

Organizers: Pal Arjunan and James McGrath

October 13 – 16, 2013

- * **Registration Deadline September 6**
- * **Active Fundraising at this time**
- * **Preliminary PROGRAM is available**
- * **Anticipated attendees 90**

These 2 events will be back-to-back at the same hotel

WORKSHOPS TO APPROVE?

11th National Graduate Research Polymer Conference

Location: Baton Rouge, LA

Organizers: Pojman, Daly et al

May 21-23, 2014

WORKSHOP APPROVED, FINANCIAL SPONSORSHIP ONLY

2014 Workshop in Honor of J. McGrath's 80th Birthday

Location: Italy

Organizers: Benny Freeman, Judy Riffle, and James McGrath

June 30-July 2, 2014

ADMIN SUPPORT ONLY, bill \$20 per hour?

WAITING ON A PROPOSAL

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2014 Commercial Innovations and Opportunities in Polymer Science

Location: Minneapolis MN Area

Organizers: Dennis Smith, Travis Baughman, Suresh Iyer

Summer or Early Fall 2014

PROPOSAL DRAFTED

2014 Ionic Liquid Polymer Systems???

Location: TBA

Organizers: Tom Smith

Summer or Fall 2014

WAITING ON PROPOSAL

2014 Fluoropolymers

Dennis Smith, Scott Iacono

FALL IN SAN DIEGO

Repeat Event

WAITING ON PROPOSAL

2014 Silicon-Containing Polymers and Composites

Joseph Mabry

DEC IN SAN DIEGO

Repeat Event

WAITING ON PROPOSAL

Potential and Approved Workshops: Snapshot Scheduling 2015 and Beyond

- Fuel Cells, REPEAT
- Water Purification, REPEAT
- Composites
- Sustainable

(being held internationally?)

- Biomed
- Polyolefins
- Controlled Polymerization?, to be Proposed (Gobet, Summerlin to organize)
- Pacific Polymer Federation
Bill Daly, Kris Matyjaszewski
 - ***APPROVED/CONTRACTS SIGNED***
 - Kauai, Hawaii * Hyatt

OTHERS:

- Synthesis, Kenneth Wagener and Brent Summerlin
- 2016 Polymers for Energy Storage Applications?
 - RB Moore
- **Admin Supported Only**
- **ACS PACIFIC CHEM**

- We need to start a conversation about Pacific Chem. Exec has APPROVED the POLY Bus Office to support as an ACS Meeting

INTERSOCIETY POLYMER EDUCATION COUNCIL (IPEC)

Semi-Annual Report to Sponsors, March, 2013

Dr. Anne Padias, *University of Arizona*

Frank Jones, *IPEC Board Secretary [frankjones@comcast.net]*,

Sherri Conn Rukes, *Polymer Ambassador Chair*

IPEC is a 501(c) not-for-profit corporation supported by three American Chemical Society Divisions: Polymer Chemistry, Polymeric Materials Science and Engineering, and Rubber. It is also supported by the Society of Plastics Engineers (SPE), the Akron Section of SPE, and the Plastics Pioneers Association. Its volunteer Board of Directors comprises two voting representatives from each supporting organization. IPEC's website is www.ipeconline.org.

IPEC's broad goal is to interest K-12 students in science and technology. Students experience polymeric materials every day in shoes, cars, clothes, computers, bandages, packaging, *etc.*, so it is relatively easy to stir their curiosity about what polymers are and how they are used.

IPEC accomplishes its mission primarily by supporting and helping organize the Polymer Ambassadors. The Ambassadors (www.polymerambassadors.org) are a national group of about 12 talented and dedicated K-12 classroom teachers. Their activities include:

- Organizing and conducting workshops at local, regional and national teachers' meetings, where the Ambassadors **teach other teachers** to use polymers in classroom instruction. These workshops continue to be popular with teachers.
- Presenting papers at ACS High School Days.
- Performing demonstrations.
- Developing and writing laboratory experiments, some available as Quick Time Movies.
- Creating a presence on Facebook and other internet media.

The Polymer Ambassadors are recognized as leaders in K-12 education. For a partial list of Polymer Ambassador accomplishments and awards, see Appendix I.

Polymer Ambassadors have learned that K-12 teachers will teach about polymers (1) when a teacher is excited about them, (2) when a teacher can get the materials inexpensively, and (3) when the activities fit the State Science Educational Standards. Ambassadors keep this in mind when developing and presenting materials.

Polymer Ambassadors continue to be active and effective. During the July, 2012 – March 2013 period, 1155 teachers and 750 students were introduced to polymer topics in workshops. The presentations to teachers were workshops at American Chemical Society (ACS) national and National Science Teachers Association (NSTA) regional meetings. Among the topics that attracted excellent attendance were the following:

- Polymers: New twists on old favorites
- Nanotechnology

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- What in the world are bioplastics?
- Lotions, potions, and scrubs: Polymer science in cosmetics
- Secret life of plastic bottles and toys
- The polymer chemistry in food: How to make Mountain Dewvair
- Super absorbers

Ambassadors gave workshops on solar cells and on solar paint for the PSOET (Polymer Science of Everyday Things) workshop the fall, 2012 ACS national meeting. IPEC co-sponsored the event, which gave local teachers the opportunity to learn about polymer science. The topic for the fifth PSOET event was on the growing field of alternative energy sources and on lowering energy cost.

The spring NSTA national conference will begin right after the spring, 2013 ACS national meeting in New Orleans. During the course of the 4-day conference, Polymer Ambassadors will present nine workshops on various polymer topics.

Polymer Ambassadors keep learning. The past two years they have met in various locations to learn more about polymers. In 2012 the Ambassadors were in Michigan at Ferris State learning about the manufacturing of polymers and about a college program that offers the opportunity for students to get hands on learning about polymers. In 2013 they went to Columbus Ohio and took two tours at companies that dealt with plastics. Thanks to Crane Plastics / Engineering Profiles Plant and to Rage Plastics for hosting. Both tours were very educational and the ambassadors learned a lot about the manufacturing of plastics.

To disseminate their materials more broadly, the Ambassadors publish their materials in leading journals and on the world wide web. A partial list of about 25 publications is at www.polymerambassadors.org.

We welcome a new Polymer Ambassador. Caryn Jackson is a chemistry / material science teacher at Tolles Career & Technical Center at Plain City, OH (Near Columbus). She is also the winner of the POLYED award for 2012 for outstanding teaching of polymer science. A goal for 2013 is to recruit one or two more highly qualified teachers to enter the Polymer Ambassador Program. The sequence of Polymer Ambassador service is:

- Polymer Ambassador in Training – one year
- Polymer Ambassador – three years
- Emeritus Polymer Ambassador – indefinite.

Polymer Ambassadors volunteer their time. About 85% of IPEC's budget supports Polymer Ambassador expenses, mostly travel.

We would be welcome new board members. Sponsoring organizations are encouraged to appoint third and fourth Board representatives to increase the volunteer workforce and assure attendance at meetings.

IPEC member organizations can be proud of what IPEC accomplishes and can look forward to more high-impact activities.

APPENDIX I.

PARTIAL LIST OF POLYMER AMBASSADOR AWARDS AND ACCOMPLISHMENTS

- Five Presidential Awards for Excellence in Science Teaching
- Two Ohaus Awards
- Three Chemical Manufacturers Association Catalyst Awards
- Two State Teacher of the Year Awards
- One Disney Award (it included a parade at Disney World)
- One PolyEd award for outstanding polymer science teaching
- A single PA and her students won eight regional and seven national awards in ExploraVision using polymers in designs for future technologies
- Three National Board Certifications
- Two Kishor M. Kolkarni Distinguished High School Science Teaching Award
- Four Board Members of the National Middle Level Science Teachers Assn.
- Three Tandy Technology Awards
- Two Regional ACS High School Teaching Awards
- Four National Material Science Instructors
- Ambassadors published about 25 articles.
- One is in charge of the ASM High School Outreach Committee.
- One is on the ASM Education Foundation Board.
- One presented to the Washington State Legislature.
- One on the Washington State Governor's education outreach committee.
- One on the Puget Sound Aviation Consortium committee.
- Several participated in program design and were presenters at the Akron Global Polymer Academy.
- Several helped design a major polymer exhibit at Epcot Center.
- One worked with the state Alabama on a STEM project for middle schools based on their polymer presentation on bioplastics.
- One communicated with curriculum directors from Oregon and Alaska about how to use polymer activities with ESL kids.
- One is working to put a polymer gallery into a museum in the Philippines.

POLYED Report for New Orleans ACS Meeting, April, 2013

Submitted by: Charles E. Carraher, Jr. and John P. Droske (POLYED Co-Chairs)

The agenda for the POLYED meeting on Tuesday is available on the **POLYED web site** at "<http://www.polyed.org>". The meeting begins at 7:30 am in the Hilton Riverside-Newberry Room. Visit the web site for additional details about all of POLYED programs. Please try to attend **Integrating Chemistry and Polymer Science Research into the Classroom**, organized by Sarah Morgan and Kevin Cavicchi-Morial. This session is being held at the Convention Center on Tuesday in Room 221, 8:30 am to 4:30 pm as part of the Division of

Chemical Education program. POLYED is providing partial support for this symposium. Several years ago, the **ACS-Committee on Professional Training (CPT)** issued new guidelines for bachelor's degree programs and CPT currently is evaluating the revised guidelines. When the guidelines were proposed, five foundational areas were identified: general, organic, analytical, physical, and biochemistry. **Even though POLYED met with CPT before the guidelines were issued, polymers were not included as a foundational course.** Polymers are all around us and this is a **major omission for the training of U.S. scientists** today and in the future. CPT did agree to include a statement that polymers "should be integrated across the five foundational courses". We now are asking that CPT change this to statement to "MUST be integrated across the five foundational courses". In addition, we are asking CPT to require an upper level elective course in polymers.

POLYED has organized a special task force to coordinate efforts with CPT. **The task force is making a special request to all members of POLY and PMSE: It is urgent that as many members of POLY and PMSE as possible write to CPT, and others in ACS, about the importance of including polymer/macromolecular science topics in the undergraduate chemistry curriculum.** To facilitate this, on the POLYED web site (www.polyed.org) we have included a list of talking points for constructing a note to CPT. We also have listed contact information for CPT chairs and others in ACS. Last year, POLYED polled members of the Divisions regarding undergraduate curricula. The survey clearly showed that there was overwhelming support for the inclusion of polymers in undergraduate curricula. **We are now asking for every member's help in this effort to require the inclusion of polymers in ACS-approved undergraduate chemistry curricula.** Please visit the POLYED web site, www.polyed.org and send a note to CPT urging the inclusion of polymers. It is essential that polymers/macromolecules be included and we ask that you contact CPT now!

POLYED is in discussions with the ACS Exams Institute about the possibility of updating the **ACS Exam in Polymer Chemistry**. Tom Holmes, director of the ACS Exams Institute, will be attending the POLYED meeting on Tuesday. Anyone interested in an update of the ACS exam in Polymer Chemistry is urged to attend the POLYED meeting.

The winner of the 2013 AkzoNobel Award for Outstanding Graduate Research in Polymer Chemistry is Dr. Hua Lu. The award will be presented to Dr. Lu at the ACS National Meeting in Indianapolis, September 7-11, 2013. Dr. Hua completed the Ph.D. in Materials Science & Engineering in 2011 at the University of Illinois at Urbana-Champaign with Prof. Jianjun Cheng. His Ph.D. research on the controlled synthesis of polypeptides by ring opening polymerization of N-carboxyamino acid anhydrides has wide utility for making functional biomaterials for drug delivery and gene delivery applications. Using N-trimethylsilylamines as catalysts produces polypeptides of controlled length and low polydispersity. One pot synthesis by sequential ring-opening metathesis polymerization and NCA ring-opening polymerization produces polymer brushes with helical side chains. Dr. Hua's Ph.D. research appears in more than fourteen articles in leading journals. He is now a Damon Runyan Postdoctoral Research Fellow with Prof. Peter Schultz at the Scripps Research Institute. The award will be presented during a symposium in honor of Dr. Hua in the Division of Polymer Chemistry.

The POLYED Undergraduate Award for Achievement in Organic Chemistry continues to recognize undergraduate students for their outstanding performance in sophomore Organic Chemistry courses. This year, the Division of Organic Chemistry also instituted an award that recognizes undergraduate students. The awards are not the same and recognize different achievements. DivOrgChem kindly contacted POLYED to inform us of their plans and they

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offered to include information – with a link - about the POLYED award on their award web site. They asked that POLYED do the same and we have included a link to the DivOrgChem award on the POLYED web site. We feel that this may help avoid confusion about the awards. It also may generate some additional visibility for the POLYED award (as well as the DivOrgChem award). Awards already are being sent out by the POLYED Center this year. Based on nominations to date being up slightly this year, it may be that the DivOrgChem award may generate additional interest in the POLYED award, too. In 2012, ~125 of colleges and universities recognized a student on their campus with the POLYED award. Personalized certificates are sent to all awardees and congratulatory letters are sent to both the recipient and the faculty nominator. The award is administered by the POLYED Center at the University of Wisconsin-Stevens Point. POLYED also continues to recognize **outstanding research posters by undergraduate students at the national meetings**. Anyone willing to assist with evaluation of the posters should contact Bob Howell or Sarah Morgan. POLYED is successful because of the contributions of many. **We thank all who lead POLYED's programs and especially POLY and PMSE for their support.** Any member of POLY and PMSE who would like to become involved in POLYED should contact John Droske at the POLYED Center, University of Wisconsin-Stevens Point, jdroske@uwsp.edu or Charles Carraher, Jr., Florida-Atlantic University, carraher@fau.edu. We especially encourage anyone who would like to assist POLYED with the CPT Foundational Course efforts to please contact us.

Polymer	Preprint	/	Circulation	Report
Fred Dammont				

Please be kind to issue specific instructions what should be done with

- 1) The remaining inventory of books in print
- 2) The inventory of CD's
- 3) All documents, including lists of subscribers, manager's reports, copies of correspondence, etc. of the 30+ years of activity of this office.

Since the PREPRINTS are both, scientific and legal documents, it is my opinion that a representative inventory of complete sets should be preserved in the archives of the Division. Regrettably, acid paper deterioration combined with the ravages of Sandy damaged beyond any practical use the early issues stored in our warehouse, which were discarded. It is, therefore, our suggestion to solicit donations of missing issues from members, in exchange for statements for tax benefits, which we have issued in the past, with the valuation of \$50/copy, the posted price of back issues.

To the best of our information, the Chemical Heritage library, in Philadelphia, has in its possession complete sets from donations. Conceivably, also Chemical Abstracts, in Ohio, have full sets. As our sad experience indicated, an inventory of books in their original published formats, ie. In print, CD's, or Online was not a guarantee of permanent preservation. Since paper degrades, and the rapid advances in information delivery technology, all with unproven durability, it is reasonable to take advantages of the experience of the US government, who store all of their documents on microfilm. Microfilming, or for that matter any other process, would require to dis-assemble one

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set for scanning, which could be then sacrificed or re-assembled, at additional cost. Though not a popular format, microfilming would overcome the most urgent need: preservation with best known long range results. The microfilm would become the official preserved copy, in care of the Division. It would be not out of line to solicit funds to cover the one-time cost of processing from an industrial or other donor (ex. public funds) in exchange for everlasting recognition in the preserved set.

Some time ago, when we proposed permanent conservation on microfilm, we polled a number of subscribers to find out whether they would be interested in purchasing complete sets. Uniformly, they rejected microfilm, citing it as an outdated process. However, many expressed a definite interest in a conveniently accessible, contemporary format. That would require an additional, alternate version, which we could sell at a profit. At this moment, the circulation office is still equipped with current data for the soliciting and procession of sales. The selection of an alternate, sellable format should be decided by more knowledgeable advice than we can offer.

In conclusion, then please decide, and this is urgent, how to liquidate the circulation office and the inventory. We have in storage about 50 boxes of books, also unused stationery without letterhead, and packing materials. If required, we can deliver three sets of later (past vol. 20) books, and copies of many earlier issues. Also if sc decided, how to execute and co-ordinate preservation with producing sellable formats. Please note again, that microfilming and any other alternative format require scanning, which, if decided upon, should be coordinated for efficiency and reduced cost.

Preprints (Business Office Report)

- On-line access through ACS - <http://www.polyacs.org> Poster's are up including instructions.
- Past CD's are available - \$5 members \$50 nonmembers. We have made 30 Graphical Abstract CD's to be sold at the booth.
- Business Office continues to work with Fred and MIRA to complete the storage process. Additional time is needed to complete. The Business Office continues to receive requests from libraries/institutions regarding the availability of 2013 POLY Product. Can we send the Spring GA as a sample product? What might be a possible future fee? (past \$100 per yr)

Membership Report

Kevin Cavicchi	–	Membership	Committee	Chair
Alex Briseno	–	Student	Chapter	Chair
Deanna Pickel	–	Student	Chapter	Grants
Kathy Mitchem	–	Member	Data,Membership	Booth

Mike Meador – Member at Large

- **Student Chapters** –
} Added 2 new chapters – now at 9

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} Completed competition for Special Activities Grants
 } Grad Student Networking Reception - Tuesday 5-7PM - Swizzle Stick Bar, Loew's Hotel – 300 Poydras

• **Membership**

} Growth in student members
 } Slight decrease in total membership – but still fairly steady around 4900

• **Membership**

Committee

} Kevin Cavicchi – New Chair
 } Membership Committee meets Tuesday 2-3 in Ascot
 } Update Membership Survey – last survey done in Nov 2010

POLY/PMSE	STUDENT	CHAPTER	UPDATE
Current	Student		Chapters
Case Western		Reserve	University
Clemson			University
University	of		Akron
University	of		Delaware
University	of		Florida
University	of		Michigan
University	of	South	Carolina
University	of	Southern	Mississippi
University of Texas-Dallas			

Chapter Funding
 Six proposals received for funding
 Three recommended for funding
 Committee is currently re-drafting funding call to emphasize innovation and new activities, not just supporting current activities

Student **Chapter** **Grants**
 • 6 Applications
 • Recommend 3 joint awards with PMSE
 -Florida – Chapter formed in 2012 - \$1K
 • Seminar series for industrial /government speakers
 • Outreach to local elementary schools – already working with 2 schools
 - U of Southern Mississippi - \$500
 • Continue Career Path program started in 2012 – guest speakers to discuss career paths
 potential
 • Seminar on proposal writing
 - U of Delaware – Chapter formed in Sep 2012- \$500
 • Support for a Research Review and a Career Day
 • Last year's Career Day had 70 student and 20 industrial participants – want to expand this to include a poster session and poster awards

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2013	Membership	Break-Down –	Total	4,706	(March	2013)
January		2013				4,886
August		2012,				4,967
March		2012,				4,846
January		2012				4,977
August		2011				5,111
March		2011				5,145
January		2011				5,300
Aug		2010				5,095
March		2010				5,414
December		2009		-		5,677
August		2009		-		5,858
January		2009		-		6,193
July		2008		-		5,557
January 2007 - 6,604						

Industrial	Advisory	Board	(IAB)
Industrial	Advisory	Board	Co-Chairs
Travis		Baughman,	DSM
Diana Gerbi, 3M			

Purpose:

Strategic amplification of the ACS Division of Polymer Chemistry's (POLY's) industrial voice in programming, education and award recognition

Mission:

Programming

- Provide strategic recommendations to the ACS POLY on future programming topics
- Facilitate increased industrial interaction in programming and presentations

Education

- Structure future educational initiatives relative to industrial hiring & continuing education
- Lead the polymer community through funding of K-12 educational programs Intersociety Polymer Education Council (IPEC)
- Participate in PolyEd – The national information center for polymer education

Awards

- Provide direction for future and current industrial awards
- Foster graduate student involvement (through travel and presentation awards)
- Support undergraduate symposia at national meetings (presentation awards)
- Reward outstanding industrial polymer scientists (Industrial Polymer Scientist Award)

Benefits:

- Increased visibility within the polymer community, particularly in the USA
- Increased ability to scout and recruit talent

2013 Spring Reports

- Increased knowledge of what is on the forefront of polymer science & collaborative research
- Advanced notice of symposia topics
- Involvement in the development of scientific presentations at pertinent symposia
- Corporate logos are displayed on ACS meeting posters, the POLY Newsletter & at sponsored events

Committee	2012	Income:	\$12,000.00
Committee	2012	Expenses:	\$10,620.60
Committee	2011	Income:	\$12,970.00
Committee	2011	Expenses:	\$8,084.33
Committee	2010	Income:	\$16,000.00
Committee	2010	Expenses:	\$13,119.20
Committee	2009	Income:	\$9,967.50
Committee	2009	Expenses:	\$8,029.50
Committee	2008	Income:	\$17,000.00
Committee	2008	Expenses:	\$12,257.58

Industrial Polymer Scientist Award
 • New nomination deadline is July 31 2013.
 • Roll over previous nominations.

IAB Membership Task Force
 • Scout small and medium companies for potential membership
 • Determine top choices for new membership
 • Report to co-chairs who will then send a letter of invitation to meeting and follow up discussion

Round Table: Post-docs in Industry
 Tuesday, April 9, IAB Breakfast Meeting - "How to Optimize Post-Docs in Industry"

IAB Networking Social
 Monday, April 8, 5-7 PM - Appetizers and drinks will be served.

IAB Spring Meeting
 Tuesday, April 9, 730-930 AM - Ascot, Hilton Riverside

POLY Program Committee Meeting
 Programming Chairs
 Jeffery Youngblood, Scott Iacono, Sheng Lin-Gibson, Dylan Boday

- POLY program chairs – rotating position, one selected each year
- Self nominate colleague
- Nominate your colleague
- New program chair will be selected by the Executive Committee
- Goal:

2013 Spring Reports

- Broad perspective in polymer science
- Experiences with symposium organization
- Diverse group (Academic, Industry and Government)

Poster

- To be implemented at Fall 2013 National Meeting (Indy)
- Process for poster award:
- Poster presenters highly encourage to submit a PDF copy of their posters to the symposium organizers prior to meeting for consideration
- Symposium organizers will down select 5 posters or 10% of the posters within the symposium for evaluation.
- Awards committee will review the posters and make the selection.
- The awards will be made at the Wednesday night awards session.

Awards

AWARDS COMMITTEE REPORT

Spring 2013 Awards and Recognitions Award
-Carl S. Marvel Award: Zhenan Bao, Stanford
-POLY Fellows Pal Arjunan, New Business Development Chemicals Robert Cohen, Massachusetts Institute of Techno Babu Gaddam, 3M Com Heather Maynard, U Ulrich Schubert, Friedrich-Schiller-University Jena, Ger Marcus Weck New York University
-POLY Distinguished Service Awards Christine Landry-Coltrain, Kodak
-Graduate Student Travel Awards Mallory L. Hammock, Sanford Unive Wei-Fan Kuan, University of Delaware
-2013 POLY/PMSE Student Chapter Grants 1) U. of Florida 2) U. of Delaware 3) U. of Southern Mississippi
-POLY/PMSE Awards Plenary Speaker Larry Wendling, 3M

Fall 2013 Awards and Recognitions Award	Sponsor
-Herman F. Mark Polymer Chemistry - Ken Wagner, U. of Florida	Elsevier
- Mark Young Rachel O'Reilly, U. of Warwick - Mark Scholar - Mark Senior Awards Rigoberto Advincula, Case Western	Elsevier
-AkzoNobel for Outstanding Grad. Research: Hua Lu	AkzoNobel
-POLY Distinguished Service Awards Tew/Kiick/Linhardt	POLY
-Graduate Student Travel Awards Bin Tan, Umass Lowell Abhay Sham Jojode, NC State University	IAB
-DSM Science & Technology Grad. Student DSM Finalist: C. Bates/S. Zhang/A. Bapat/E. Wiesnauer	DSM
-Charles G. Overberger Award: (??)	POLY/
-Biomacromolecules/Macromolecules Young Investigators	MACRO
-POLY/PMSE Awards Plenary Speaker (??)	POLY

Virtual Strategic Plan Input

Rigoberto Advincula, Ph.D.
Professor, Case Western Reserve University

- Initial plan (completed by 6/1/2013) – contact ACS Staff to ascertain costs associated with:
 - live video streaming at various formats: avi, podcasting, youtube, etc.
 - recorded video that can be put on POLY website
 - powerpoint/audio presentations on the web
 - recording costs for our POLY Workshops

2. Initial focus – Recorded POLY tutorials or key POLY/PMSE award talks from the national meeting that will be made available on the POLY website (or if possible on the ACS website for access by POLY members only) for members only. These programs could also be made available to local sections for use as part of their programming. Others include: promotional videos, availability to student members, gifts or awards, etc.

- Future focus:
 - POLY workshops – we feel this needs further discussion and focus because of the pros and cons that could be associated with such an endeavor, I.E., impact on on-site participation, narrow focus, cost etc..
 - International focus – some form of virtual meeting associated with the POLY meeting at Pacifichem. – perhaps recording and posting key talks. Another is the MACROMEX meetings.

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- c. Virtual EXCOM subject meetings for specific topics, either early discussion of topics to be covered at the ACS meeting or post-meeting discussions on topics which were not concluded at the ACS meeting.
- d. Exchange of virtual content (live or recorded) with other societies - interdisciplinary activities.

In many of these cases we may be able to access IPG monies to experiment and start projects.