

Joint Board-Council Committee on Environmental Improvement
April 6, 2013 – New Orleans, LA

UPCOMING MEETINGS

Date	Location
09/07/13	Indianapolis
03/15/14	Dallas
08/09/14	San Francisco

ATTENDANCE

Members, Associates, Consultants, and Liaisons – Matthew Fisher (Chair), Martin Abraham, Georjean Adams, Satinder “Sut” Ahuja, Edward Brush, Michael Cann, George Cobb, Alan Elzerman, Carol Henry, Charles Kolb, Rich Lomneth, Michael Matthews, Laura McConnell, Martin Mulvihill, Anthony “Tony” Noce, Eileen Nottoli, Melissa Pasquinelli, Keith Peterman, Robin Rogers, Barclay Satterfield, Darlene Schuster, Sharon Sibilia, Jennifer Tanir, Robert Yokley, Joseph Zoeller, Susan Shih (SOCED Liaison), Bryan Balazs (ConC Liaison), Ray Garant (Staff Liaison)

ACS Staff – Jenny MacKellar (GCI), Darcy Gentlemen (OPA), Carl Maxwell (OPA)

Guests – Bassam Shakhashiri (ACS Past President), David Constable (Director, GCI), Tracy Williamson (Chair-Elect, ENVR), Victoria Gunderson (ACS Congressional Fellow)

INTERIM ACTIONS

The Committee voted by voice to *certify the following interim actions completed since our meeting in Philadelphia:*

1) *2013 Appointments by the Chair*

Officers of the Committee

- *Georjean Adams as subcommittee chair for public policy*
- *George Cobb as subcommittee chair for member involvement*
- *Rich Lomneth as subcommittee chair for programming and education*
- *Tony Noce as secretary*
- *A vice chair to be elected by the Committee at the beginning of its spring meeting*

Liaisons

- *Martin Abraham to the ACS Green Chemistry Institute Governing Board*
- *Martin Abraham to the Multidisciplinary Program Planning Group*
- *Alan Elzerman to the Society Committee on Education*
- *Rich Lomneth as program chair*
- *Ean Warren as liaison to the International Activities Committee*
- *Hank Ramsey as liaison to the Committee on Meetings and Expositions*
- *Robert Yokley as liaison to the Committee on Community Activities*

2) *Approval of the minutes from the August 18, 2012 meeting of the Committee in Philadelphia, Pennsylvania*

3) *Identification of the winners of the 2013 ACS-CEI Award for Incorporation of Sustainability into Chemistry Education*

- *Richard H. Jarman, College of DuPage*
- *Andy Jorgensen, University of Toledo*
- *Resa M. Kelly and Cristina Chang, San Jose State University*
- *Natalia P. Tarasova, Institute of Chemistry and Problems of Sustainable Development*
- *Joseph Vincente and Andrea Swenson, East Side Community High School*

ELECTION OF A VICE CHAIR

The Committee's 5-year Performance Review completed by Bryan Balazs, member, Committee on Committees and dated October 5, 2012, included the following recommendation: "In order to augment the functioning of the committee, it is recommended that a Vice-Chair be selected every year rather than just in the final year of the Chair's three-year term."

Any full member of the Committee may serve as vice chair of the Committee. This position is a one year term and the position will be filled by nomination and election annually at each Spring meeting of the Committee. The duties of the vice chair are as follows:

- Serve as a member of the Executive Committee (including participation in Executive Committee conference calls)
- Mentors new Associates during their first 12 to 18 months on the Committee
- Coordinate periodic reviews of Committee programs

The Committee voted by voice to *elect Eileen Nottoli as vice chair of the Committee for 2013.*

CHAIR'S REPORT

CEI Strategic Plan – see copy in agenda materials (see pages 1.14-1.18 of the agenda materials). Fisher asked that everyone keep this plan in mind as they are working on Committee activities.

ACS Fellows Nomination Request – Brief review of the ACS Fellows Program and acknowledgment of the ACS Fellows in the room (Kolb, Abraham, Matthews, and Rogers) as well two others who were not with us for this part of the meeting (Hunt and Balazs). Fisher has put together a small group to work with him to determine who the Committee will put forward as a nominee this year, requesting that Committee members provide input to him privately today.

PRESIDENTIAL VISIT

Immediate Past-President Bassam Shakhshiri visited the Committee to discuss the ACS Climate Science Toolkit and the Presidential Challenge Grants, which will be announced at the Climate Science Symposium on Monday morning. Acknowledged the service provided by Alan Elzerman of CEI in leading the review committee for these grants.

Looking to build on the momentum of the initial rounds of grants awarded by creating a second round of grants, where double the number of grants would be awarded. Fisher indicated that the Member Involvement Subcommittee would consider this during their meeting here in New Orleans.

OFFICE OF PUBLIC AFFAIRS

Carl Maxwell provided a brief summary of sustainability and science policy issues and activities on behalf of OPA. Please see pages 3.1 to 3.7 of the agenda materials for more details.

ACS GREEN CHEMISTRY INSTITUTE

David Constable provided a brief overview of GCI's activities. Please see pages 3.8 to 3.24 of the agenda materials for more details.

MEMBER INVOLVEMENT SUBCOMMITTEE

Member Involvement Subcommittee materials may be found behind tab 4 in the agenda materials.

Cobb (subcommittee chair) provided a verbal report of the Subcommittee's activities.

Working to complete the following activities:

- Compile a Sustainability Inventory
- Obtain a list of Local Section contacts
- Compile an inventory of awards advertising
- Get mini-grant awards posted to the web
- Mention the Sustainability Awards in one of the CEI Chair's C&EN comments
- Develop a sustainability webinar or session for the ACS Leadership Institute

Noted that our Strategic Plan calls for 300 "Sustainability Advocates." Looking to develop advocates through better advertising of mini-grants and Chemluminary Awards as well as the following Society activities:

- Regional Meeting Programming
- Local Sections
- Chemistry Ambassadors
- Younger Chemists Committee

The Subcommittee took up the Climate Tool Kit and how the Committee might support the request. The Subcommittee believes that it may be possible for the Committee to use our existing mini-grant program to help encourage use of the tool kit. Need to develop strategies for using the tool kit to engage different elements of society. Requested that the Subcommittee be provided the best proposals from 2012 Award process to determine what useful processes could be developed from these.

Noted that National Education Association (NEA) could help engage at interface of ACS and teachers, and that the International Union of Pure and Applied Chemistry (IUPAC) could possibly contribute as well. The Subcommittee is looking for ways for schools to participate.

The Subcommittee recommends that the Committee partner with other ACS Divisions and Committees (e.g., ENVR, I&EC, AGRO, AGFD, PHYS, CHED, GCI, CA and IAC) as well as other organizations to propose a funding mechanism for tool kit use to communicate with different portions of the general population.

Fisher highlighted the green meeting performance information featured throughout the National Meeting in New Orleans.

Motions

CONFIDENTIAL – Cobb moved and the Committee voted by voice to ***name the Pittsburgh and Syracuse Local Sections as Finalists for the ChemLuminary Award for Outstanding Sustainability Activities.***

CONFIDENTIAL – Cobb moved and the Committee voted by voice to ***award the Pittsburgh Local Sections the ChemLuminary Award for Outstanding Sustainability Activities.***

Cobb moved and the Committee voted by voice to ***fund the Local Section Sustainability Activity Grant Proposal from the Idaho Local Section.***

PROGRAMMING AND EDUCATION SUBCOMMITTEE

Programming and Education Subcommittee materials may be found behind tab 5 in the agenda materials.

Lomneth (subcommittee chair) provided a verbal report.

ACS student representatives to climate talks (report from Peterman). Four students represented ACS in 2012, for a total of 11 students over the past 3 years. This effort in global sustainability education has positive outcomes that include:

- Student engagement on a topic that is personally and professionally common to all
- Getting the word out that science has a responsibility to report accurate information on climate
- Students employ social networking to help get the word out

Awards for Sustainability Education (report from Peterman). Please see page 5.22 for more information. Noted that the next round of applications will be due September 1, 2013.

Sustainability in education

- How do we get sustainability incorporated into the chemistry curriculum?
- Ed Brush formed a working group on sustainability in education
 - Goal is to provide materials that can be used to incorporate sustainability in the chemical enterprise (CPT and departments, high school)
 - Approach: What are the current problems in the curriculum
- Using ACS Divisions/Committees for input
 - Ways we educate our students
 - Address this using sustainability issues/examples
- Interface of education and programming
 - Work with David Constable and GCI on an industry roundtable to inform educators about what industry is looking for regarding sustainability

Programming

- Fisher provided an overview of the programming associated with the National Historic Chemical Landmark Legacy of Rachel Carson's *Silent Spring* on October 26, 2012 at Chatham University in Pittsburgh
- New Orleans (please see page 5.35 of the agenda materials for details)
 - Sponsored
 - Co-sponsored – 14 symposia
 - Movie – “Shattered Sky” – Tuesday at noon
- Indianapolis
 - Air Quality at the Interface: Megacities and Agroecosystems
 - 7 others that we are cosponsoring
- San Francisco
 - Working with Rogers to provide programming ideas and support for thematic programming
 - Suggested developing a framework for addressing “hot topics” with policy

Motions

Lomneth moved that the Committee voted by voice to ***recommend the ACS continue support of the UNFCCC COP student climate change literacy project by: 1) continuing to apply for students to receive UN accreditation as ACS observers; and 2) providing students with communication and outreach training for one day at the national headquarters.***

Lomneth moved that the Committee voted by voice to ***provide \$500 to support the symposium Air Quality at the Interface: Megacities and Agroecosystems at the 246th ACS National Meeting in Indianapolis. Preference for use of these funds will be to facilitate student participation in this symposium.***

PUBLIC POLICY SUBCOMMITTEE

Public Policy Subcommittee materials may be found behind tab 6 in the agenda materials.

Adams (subcommittee chair) provided a verbal report.

Policy Review 2013

- Biomonitoring – Recommend that the CEI Chair support the renewal with only minor changes (i.e., making appropriate citation edits)
- Climate Change – Recommend that the CEI Chair support the renewal with no changes
- Possible Natural Gas statement (under discussion at CCPA)
- Chemicals Management writing team chaired by Adams is continuing its work

Policy Review 2014

- Scientific Insight and Integrity – Carol Henry and Darlene Schuster offered to review the statement
- Sustainability and the Chemical Enterprise (see below)

Policy Review 2015

- Endocrine – Up to date; monitor information as it comes out, recommend actions if necessary
- Energy
- Inherently Safer Technologies

Potential follow up to NRC report on sustainable chemistry.

Working with Programming and Education Subcommittee to develop hot topics session for both the Dallas and San Francisco National Meetings.

ACS Sustainability Report (status update from Satterfield).

Motions

Adams moved and the Committee voted by voice to ***create a writing team to explore the possibility of updating the ACS Statement on Sustainability and the Chemical Enterprise.***

Fisher appointed Barclay Satterfield to lead the writing team.

CEI PROGRAM REVIEW(S)

Nottoli (vice chair) introduced the concept of program reviews for the Committee in accordance with the new position description for the vice chair. CEI Local Section Grants, CEI Curriculum Awards, and the Environmental Movie Series are programs that will be reviewed this year.

NEW BUSINESS

None

OPEN DISCUSSION AND GUEST COMMENTS

Fisher recognized the guests in attendance and invited topics for discussion.

Tracy Williamson, Chair of the Environmental Division (ENVR) noted that the Division will be celebrating their 100th Anniversary next year and is interested in working with the Committee on programming and other ways to commemorate the anniversary.

ADJOURNMENT

This completes the Minutes of the Joint Board-Council Committee on Environmental Improvement for April 6, 2013 in New Orleans, LA.

Respectfully submitted,

Anthony (Tony) Noce
Secretary