MINUTES
REGULAR SESSION
BOARD OF DIRECTORS
AMERICAN CHEMICAL SOCIETY
SAN FRANCISCO, CA
April 2, 2017

The Board of Directors of the American Chemical Society met in San Diego, California, on April 2, 2017, beginning at 12:00 p.m. Pat N. Confalone, Chair, presided. Other Directors present for all or part of the meeting were: John E. Adams, Christina Bodurow, Allison A. Campbell, William F. Carroll, Jr., Thomas M. Connelly, Jr., Peter K. Dorhout, Rigoberto Hernandez, Paul W. Jagodzinski, Lee H. Latimer, Ingrid Montes, Donna J. Nelson, Laura E. Pence, Dorothy J. Phillips, Barbara A. Sawrey, and Kathleen M. Schulz. Present by invitation for all or parts of the meeting were: Brian A. Bernstein, Brian D. Crawford, Denise L. Creech, Kate Fryer, Manuel Guzman, Mary Kirchhoff, Martha K. Lester, Flint H. Lewis, Scott Oliphant, Glenn S. Ruskin, David T. Smorodin, John R. Sullivan, Frank E. Walworth, and Marleen G. Weidner. More than three hundred observers were present at various times during the meeting.

Call to Order and Chair's Report from Executive Session

Pat N. Confalone, Chair, opened the meeting by welcoming the attendees and introducing his Board colleagues. Next, he summarized the key actions and discussion points from the Board's March 31 - April 1 executive session:

The Board's Committees:

The Board of Directors received and discussed reports from its Committees on Executive Compensation; Strategic Planning; Corporation Associates; Professional and Member Relations; and the Joint Board-Council Committee on Publications.

- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society's executive staff receives regular review from the Board.
- On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for several ACS journals.
- On the recommendation of the Committee on Professional and Member Relations, the Board approved screened lists for the 2018 Priestley Medal and the ACS Award for Volunteer Service. From these lists, the Board will select the recipients of these awards.

The Executive Director/CEO Report:

- The Board received a report from the Executive Director and CEO on issues relating to the Information Technology area, the Executive Leadership Team retreat, membership levels, ACS financials, and Board Regulations on the Governing Board for Publishing. His direct reports updated the Board on the activities of Membership Division, Chemical Abstracts Service (CAS) and the ACS Publications Division.

Other Society Business:

- The Board heard reports from the Presidential Succession on their current and planned activities for 2017.
- As part of its ongoing commitment to consider the most important strategic issues facing the Society, the Board held a discussion and provided input to its Strategic Planning Committee on context setting and change drivers to be addressed during the strategic planning process.

- The Board is developing a statement based on the Society's Core Value of diversity and inclusion in response to the repeal of the North Carolina law known as House Bill 2 ('bathroom bill') and the proposed Texas legislation, and is assembling a representative group of stakeholders to advise it on actions relating to the location of Society meetings.

Board Retreat:

- The Board held a discussion on timing and topics of a possible facilitated retreat for all Board members during 2017. The Board regularly holds these retreats to consider strategic issues in depth or for ongoing development.

Board Resolution:

- The Board passed a resolution expressing appreciation to Denise L. Creech for her 27 years of service in the Membership and Scientific Advancement Division, which she led as director for nearly 14 years.

Reports of Officers

President

ACS President Allison A. Campbell encouraged participants to attend the Presidential programming for this national meeting: "LGBT Graduate Student and Postdoctoral Scholars Chemistry Research Symposium" (April 2-3), "Holy Grails in Chemistry" (April 2), and "Science for a Sustainable Energy Future" (April 3). She offered brief overviews of several presidential symposia scheduled for the fall national meeting in Washington, DC. The first, "Building a Safety Culture Across the Chemistry Enterprise," will highlight institutional and grassroots approaches to safety. "Understanding the Chemistry of our Planet" addresses the chemistry of our atmosphere and terrestrial ecosystems. A third, cosponsored with the Royal Society of Chemistry, is titled "Science Communications: The Art of Developing a Clear Message." This symposium and practicum will highlight innovative methods to communicate the value of science to our audiences. Another practicum, "Speaking with Congress Workshop," will feature interactive scenarios, case studies, and role playing. Finally, Dr. Campbell encouraged members to share their ideas and suggestions with her at a.campbell@acs.org.

President-Elect

ACS President-Elect Peter K. Dorhout stated that he is honored to serve as President-Elect and has spent his initial days in office learning more about the Society and listening to members. He reported that his three years in the presidential succession will focus on three goals: engaging industrial and academic chemists in broadening skills in the curriculum, promoting a culture of safety in academic laboratories, and building an endowment for ACS Scholars. Presidential symposia topics during the 2018 ACS national meetings will focus on food, energy, and water security – the Mississippi River, chemistry, and the role each plays (New Orleans); Café du Monde and chemistry – how beignets can get us talking about science to the public (New Orleans); the startup ecosystem in Boston and its impact on nanotechnology (Boston); and nanotechnology – the science behind the questions of environmental health and safety (Boston).
Dr. Dorhout concluded by stating that we can and must work together to improve the ACS and encouraged members to share their ideas and suggestions with him at p.dorhout@acs.org.

Immediate Past President

ACS Immediate Past President Donna J. Nelson reported that two ACS book series are planned. The first, *Diversity in the Chemistry Community*, is partially based on three diversity-related symposia held during the spring 2016 national meeting in San Diego. The second is focused on reporting recommendations from her ACS President's Task Force on U.S. Employment in the Chemical Sciences. She also reported that for this meeting she organized a "Hollyweird Chemistry" symposium and

encouraged the audience to attend and to meet the scientists behind the silver screen and popular television programs. Other cosponsored symposia include "Celebrating 60 years of Division of Inorganic Chemistry," "Space Chemistry," "ACS Award for Gender Equity in Chemical Sciences," "Importance of Role Models & Mentors (in Honor of Judith Iriarte-Gross)," "Chemistry Through the Eyes of Non-Chemists: Evolution of the Public Perception of Chemistry," and "Communicating Science in the Twenty-First Century to Diversified Audiences."

Executive Director and Chief Executive Officer

ACS Executive Director and Chief Executive Officer Thomas M. Connelly stated he is pleased to report that the state of the Society is strong. He announced changes in the executive leadership team following the retirement of Denise Creech as head of the division of Membership and Scientific Advancement (M&SA). Kate Fryer has been hired as the new Executive Vice President for Membership. A new division, Scientific Advancement, has been formed from M&SA.

He said a variety chemical safety-related engagements have been in motion this past year, as ACS included safety as a Core Value in its strategic plan and continues to embrace a bigger role in safety. The Education division is asking for assessment of safety as a factor during the approval process for ACS-approved programs.

Dr. Connelly reported that the Society is examining ResearchGate's treatment of publishers' copyrights when posting papers.

He announced that Microsoft recently informed ACS that the Society is no longer eligible for Microsoft charitable pricing discounts, and that steps to evaluate the implications of this decision are underway.

He concluded by referring members to the highlights of 2016 ACS achievements at www.acs.org/acshighlights2016.

Guest Presentations

Dr. Confalone introduced two special guest speakers who were invited to offer 'TED type' talks. Dr. Joseph M. DeSimone, CEO and Co-founder of Carbon, Inc.; Chancellor's Eminent Professor of Chemistry, UNC-Chapel Hill; and William R. Kenan, Jr. Distinguished Professor of Chemical Engineering at NC State University and of Chemistry at UNC, spoke on "Future Fabricated with Light: The Launching of Carbon." DeSimone discussed developments at Carbon, Inc., since it unveiled its first commercial machine, the M1, and seven proprietary materials. He said Carbon's vision is a future fabricated with light, where traceable, final-quality parts are produced at scale with Continuous Liquid Interface Production (CLIP) technology. CLIP is a photochemical process that eliminates the shortcomings of conventional 3D printing by harnessing light and oxygen to rapidly produce objects from a pool of resin. From everyday products like tennis shoes and electronics, to industrial components, to highly customizable medical devices, CLIP makes it possible for creators to design the parts and products of the future. He gave an overview of the science behind the M1 product solution and Carbon's vision to accelerate the future of manufacturing.

Dr. Anne Milasincic Andrews, Professor of Psychiatry and Chemistry & Biochemistry; Semel Institute for Neuroscience & Human Behavior, Hatos Center for Neuropharmacology, and California NanoSystems Institute; University of California, Los Angeles, spoke on how "The Brain is More Than a Computer." Andrews stated that neuroscience is at a crossroads, and despite efforts to decipher specific neural interactions, there are just a few general theories or principles that explain brain function. She briefly reviewed the neurophysiological and neurochemical approaches, and stated that nanoscience and nanotechnology are poised to provide a toolkit of novel methods to explore brain function. Moreover, unique opportunities exist for nanoscientists, nanotechnologists, and other physical scientists and engineers to contribute to tackling the challenging problems involved in understanding the fundamentals of brain function.

Following the presentations, Dr. Confalone thanked the speakers for sharing their areas of research and special interests. The speakers remained afterward for several minutes to speak with members of the audience.

Before declaring the meeting adjourned, Dr. Confalone thanked all the participants and his colleagues on the Board for a successful meeting.

There being no further business, the meeting was adjourned at 1:05 p.m.

Flint H. Lewis, Secretary