**Society Committee on Education**

### Report for the ACS Board of Directors

This report updates the Council on SOCED’s progress in implementing the actions to which it agreed in Washington, and highlights significant accomplishments of the Society’s education programs.

Primary and secondary education

The 2018 ACS Guidelines and Recommendations for the Teaching of Middle and High School Chemistry was completed in December 2017.

The American Association of Chemistry Teachers (AACT) ended 2017 with 4,821 members, 88% of whom are K-12 teachers of chemistry. An increasing percentage of those members are in their first five years of teaching.

Since launching in the fall of 2010, *middleschoolchemistry.com* has received more than 12 million visits from 234 countries and territories.

A new generation of Kids & Chemistry kits were developed to meet the unique needs of chemists presenting chemistry lessons to elementary and middle school students in a school setting. Features include reusable kits with refills available for consumables, a take-home object and safety/info card for each student, a 30-minute presentation, streamlined materials management for hands-on activities, connections to the curriculum, and focus on a developmentally appropriate foundational concept in chemistry.

Post-secondary education

On September 29–October 1, 2017 ACS hosted a second workshop on creating general chemistry performance expectations. Thirty-seven faculty members from fifteen diverse institutions (including research-intensive, primarily undergraduate, and community colleges) attended the workshop and a series of webinars following a competitive application process. Fifteen teams were formed during the workshop and the teams began sharing the substantial progress they have made during the first two webinars in November and December.

At the end of December 2017, there were 18,694 student members, compared to 19,942 at the end of December 2016. There are currently 513 active student chapters (1,123 in total). With five new chapters chartered in December, there are now 46 international student chapters in 23 countries, exceeding the 2017 goal of 45 chapters.

Since the ChemIDP™ program launched in Fall 2015, extensive enhancements and updates have been made to the web-based tool. Over 2623 accounts have been created, and 20 workshops were held to increase use and understanding of the tool directed toward graduate students and postdoctoral scholars. Additionally, a newly developed joint ChemIDP/ACS Career Pathways workshop was held in December at the University of Puerto Rico, Rio Piedras.

The International Student Chapter Activity Grant (ISCAG) program was introduced in September 2017. A total of eight awards have been given. In November 2017, three student chapters attended the International Chapter Summit in Jeju, South Korea, participating in leadership training with International Chemical Sciences Chapter leaders from the Asia-Pacific region and beginning planning for future regional meetings and events. Other ISCAG grants will support research symposia and workshops, community outreach events, and travel to the inaugural Atlantic Basin Conference on Chemistry in January 2018.

Collaborative activities continue to enhance progress towards fulfilling the educational goals and objectives of the ACS strategic plan. A partnership with the Younger Chemists Committee facilitated the involvement of undergraduate students at the 2018 ACS Leadership Institute. SOCED also continues coordinating programming with the Division of Chemical Education.

At the 255th ACS National Meeting in New Orleans, events for students and educators will include the Chemistry Teachers Day Program (Sunday, March 18). Councilors and national meeting attendees are encouraged to attend t the ACS Undergraduate Student Chapter Awards ceremony (Sunday, March 18), the Undergraduate Research Poster Sessions (Monday, March 19), the Graduate and Postdoctoral Reception (Monday, March 19), and other sessions focused on undergraduate and graduate students.

Respectfully submitted,

Jennifer Nielson, Chair

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