

Courtesy of Elaine Yamaguchi, USDA, Western Regional Research Center

2017

AMERICAN CHEMICAL SOCIETY

Progress Report



ACS

Chemistry for Life®



Dear Friends

Thank you for your generous support in 2017. The American Chemical Society exceeded its fundraising goal for the year, allowing us to strengthen our educational programs and spark new initiatives. We are grateful for many personal contributions, as well as corporate, foundation, and organizational gifts. On “Giving Tuesday” alone, individual donors stepped up to contribute \$50,000 to support ACS’s educational pursuits.

In anticipation of ACS Project SEED’s 50th anniversary in 2018, ACS launched a special **50 Forward** campaign in late 2017. The campaign aims to raise \$2.0 million to expand the ongoing source of funding for the program, which has empowered more than 10,000 economically disadvantaged high school students to explore the field of chemistry through summer laboratory research and mentorship. Before year’s end, several donors each pledged \$50,000, becoming Launch Leaders for the campaign.

We also continue to raise funds to support the ACS Scholars Program. In 2017, donors established additional named scholarships that have helped bring us more than halfway to building a \$5.0 million endowment that will encourage diversity in the chemical sciences well into the future.

Project SEED, the ACS Scholars Program, and Advancing Chemistry Teaching are strong pillars that support the Society’s portfolio of chemistry education resources. However, ACS is always seeking new ways to ensure that future generations are equipped to fulfill the Society’s vision of “improving people’s lives through the transforming power of chemistry.” We are inspired by recent donor efforts to “give back” to the specific areas of chemistry for which they are most passionate, for example, by developing tools to advocate for chemical safety and establishing an endowed information technology internship.

To those of you who made annual or pledged gifts, or included ACS in your wills, thank you again. We appreciate the opportunity to partner with you to support excellence in chemistry education. Together, we are truly making a difference.

Sincerely yours,

Thomas M. Connelly, Jr.
Executive Director & CEO



Project SEED students presented their summer research at Sci-Mix during the fall national meeting in Washington, D.C.

ACS Project SEED

The ACS Project SEED summer research program offers bright, economically disadvantaged high school students the opportunity to experience chemistry research firsthand.

Students entering their junior or senior year of high school are matched with mentors in academic, industrial and government laboratories where they receive individualized attention and guidance on conducting research and entering a career in science. Students participate in research, write reports, and present their findings at scientific meetings, helping them gain essential skills.

411 STUDENTS participated in Project SEED in 2017

67% OF STUDENTS said the program led them to consider pursuing a career in science

GENDER OF PARTICIPANTS: 61% female, 39% male

88% INDICATE THAT PROJECT SEED HELPED them decide to continue their education beyond high school

80% OF PROJECT SEED STUDENTS are from families with annual incomes of \$35,000 or less

“ACS Project SEED really broadened my perspective. The environment made me feel as though there was nothing I couldn’t conquer! The summer definitely inspired me to pursue a career in biological and life sciences.”

SALIMATA KONATE,
PROJECT SEED PARTICIPANT, NEW YORK



At the end of 2017, ACS launched its **50 Forward** campaign in celebration of the 50th anniversary of Project SEED in 2018. The campaign aims to raise \$2.0 million to expand the program and its ongoing source of funding for the next 50 years and beyond.

50 Forward will:

- Broaden the program's reach by expanding from sites in 39 states, the District of Columbia and Puerto Rico, to sites in all 50 states;
- Raise student participation by 25% over 5 years, from 400+ students per summer to 500+; and
- Provide capacity for ACS to share the Project SEED model with ACS international chapters and other scientific organizations.

In 2017, Cynthia and Bruce Maryanoff and Susan Fahrenholtz, as well as the Isabel & Alfred Bader Fund of Bader Philanthropies and Gilead Sciences, each pledged \$50,000, becoming Launch Leaders for the campaign.

The **50 Forward** campaign invites members and friends to be as bold as the founders of ACS Project SEED were 50 years ago, by leading Project SEED outward, upward, and most of all, forward!



“Project SEED changed my view of the research world. I never thought I would be working with a professor one-on-one or with graduate students, benefiting from their knowledge and encouragement. I learned about ethics in research, how to work with confocal microscopes and keep a lab journal, and the list goes on. I am so grateful for this experience. For all of the donors and sponsors, you have no idea how many lives you change through this program!”

GUADALUPE COVARRUBIAS-OREGEL, PROJECT SEED PARTICIPANT, CALIFORNIA



ACS Legacy Leader Matthew Chan (right) talks with his 2017 named scholar, Johnny Buck, at a donor reception at the Arts Club of Washington.



ACS Scholars Ashley Fagundes and Mireya Almaraz attend the spring national meeting in San Francisco.



ACS Scholars Program

The ACS Scholars Program awards renewable scholarships to underrepresented minority students who wish to enter chemistry-related fields. Scholarships are awarded based on academic achievement, career objective, financial need, leadership ability, participation in school activities, and community service. High school seniors and college freshmen, sophomores, or juniors are eligible to apply.

400 UNDERGRADUATES RECEIVED SCHOLARSHIPS during the 2017–2018 academic year (up from 355 undergraduates in 2016)

200 COLLEGES AND UNIVERSITIES are represented in the 2017 class of Scholars

GENDER OF 2017 SCHOLARS: 50% female, 44% male (6% did not respond)

292 PROGRAM ALUMNI have received Ph.D. or M.D./Ph.D. degrees, with 49 serving as teachers, faculty members, or professors

“Being an ACS Scholar will further my love for the sciences, especially chemistry. I am intrigued by the ever-changing findings in the search for newer and better medications. Because of this, I want to become a research chemist focused on chemical compounds in botanical species that could be used in new vaccines and other medications. I am so grateful for the amazing opportunity to be an ACS Scholar at the University of Hawaii at Manoa. I cannot wait for what the future holds!”

ANDRES PARGA, ACS SCHOLAR



The Dow and AACT Teacher Summit held in Collegeville and Macungie, PA, drew 25 teachers of chemistry from the Delaware Valley.

Advancing Chemistry Teaching

ACS provides a broad portfolio of teaching and learning resources to support teachers of chemistry and foster scientific curiosity among students.

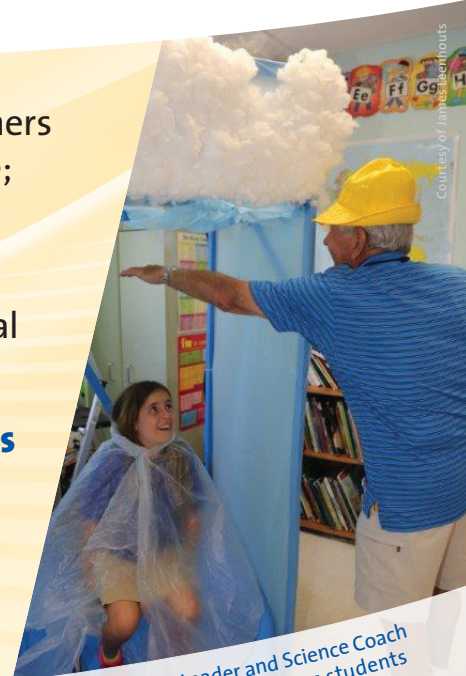
4,821 MEMBERS of the American Association of Chemistry Teachers (AACT), established in 2014 to support K-12 educators nationwide; this represents a 19% increase in membership over 2016

4TH TEACHER SUMMIT, IN PARTNERSHIP WITH \$1 MILLION AACT FOUNDRY PARTNER DOW CHEMICAL, held to provide professional development resources and facilitate peer connections

35 PROFESSIONAL DEVELOPMENT WORKSHOPS AND PRESENTATIONS for K-12 teachers provided in person and online

250 VOLUNTEER SCIENCE COACHES IN K-12 CLASSROOMS (plus 30 coaches helping through a new digital platform) in the 2016–2017 school year

114 GRANTS AND 130 SCHOLARSHIPS AWARDED in 2017 under ACS-Hach Programs to support chemistry teachers



ACS Legacy Leader and Science Coach James Leenhouts shows students how to make rain in the classroom.

“Meeting fellow chemistry teachers [at the summit] and being able to engage in discussions about what we teach and how we teach was such a great opportunity. Another bonus was having Dow show us around its facility and engage in helping teachers in chemistry.”

KIM ARLETH, A CHEMISTRY TEACHER AT LOWER MERION HIGH SCHOOL IN ARDMORE, PA

Donors Direct their Passion for Chemistry

"We would like to say 'thank you' to Chemical Abstracts Service (CAS) by giving something back to the ACS/CAS and the Columbus community, while at the same time helping students earn money as they are pursuing their degrees. We want to inspire other retirees to consider paying it forward for the next generation."

CAS RETIREE, RON KHOUW. HE AND HIS WIFE PETTA, HAVE ENDOWED AN INFORMATION TECHNOLOGY INTERNSHIP AT CAS IN COLUMBUS, OH

"I direct my philanthropic support to the ACS Safety Education Initiative. Development of best practices and educational resources in safety are critical to ensure efficiencies while protecting employees and plant facilities."

ACS MEMBER JAMES BLIZZARD, WHO RETIRED AFTER A 30-YEAR CAREER IN CHEMISTRY AND METALLURGY

Corporate Milestones

3M became the fifth Visionary Partner in the ACS Scholars Program with cumulative giving that exceeds \$500,000

CELGENE became the 22nd National Partner for the ACS Scholars Program with a \$112,000 gift

TEVA PHARMACEUTICALS reached \$3 million in research fellowships



ACS Executive Director & CEO Tom Connolly presents a gift of appreciation to Cristina Thomas, Senior Technical Leader for 3M's Corporate R&D Services Center.

Thank you

ACS THANKS THE FOLLOWING DONORS
FOR THEIR SUPPORT OF STUDENTS AND
TEACHERS IN THE CHEMICAL SCIENCES.

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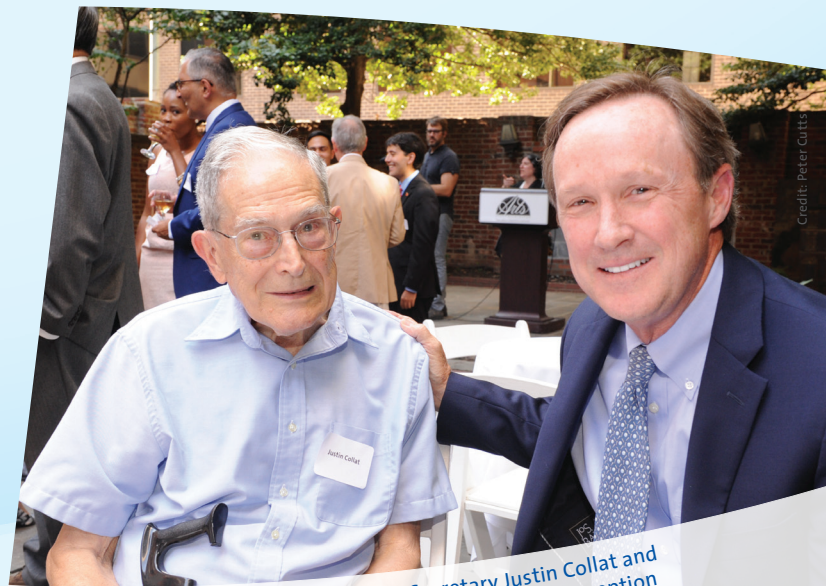
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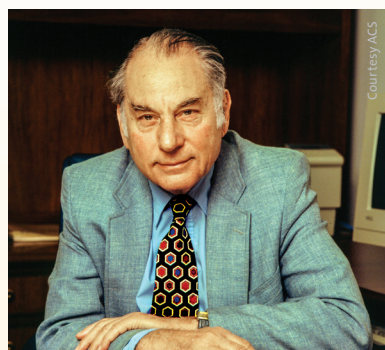
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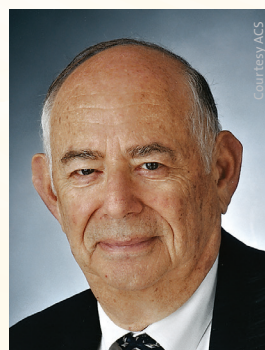
ACS Legacy Leader and former ACS Secretary Justin Collat and ACS Treasurer & CFO Brian Bernstein talk during a donor reception at the Arts Club of Washington.



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