

A NEW
VISION
AT WORK

FOR YOU, FOR THE CHEMICAL SCIENCES, FOR THE WORLD

THE AMERICAN CHEMICAL SOCIETY 2006 ANNUAL REPORT







WE MAY NEVER KNOW precisely when and where it happened, but somehow our prehistoric ancestors figured out how to make fire. In an instant, a spark transformed their lives and improved the world around them.

A score of millennia later, the **SPARKS** produced by modern chemical scientists and engineers remain some of the most dynamic and essential forces on Earth. From better medicines to more nutritious foods and new sources of renewable energy, the chemistry enterprise and its practitioners are dedicated to helping people live longer, healthier and more satisfying lives on a clean and sustainable planet.

In 2006, the American Chemical Society ignited two sparks, a new vision statement and a new mission statement, that we believe reflect the commitment and passion of our members and the Society as a whole to achieve these goals.

OFFICERS' MESSAGE

The new ACS Vision statement captures the essence of what ACS aspires to achieve, namely an organization committed to **“improving people’s lives through the transforming power of chemistry.”** This vision—developed and adopted by the ACS Board of Directors after broad consultation with the membership—**fully complements our new ACS Mission statement, which is “to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.”** Together, these two statements represent our ultimate reason for being and provide a strategic framework for our efforts.

We hope our new vision and mission will become synonymous with chemical science and engineering, to be what we strive for as a Society, a profession and as individual practitioners. In tandem, these statements will propel and guide all Society actions and initiatives.

Like most “blueprints,” our new vision includes an overview of how we plan to achieve our aspirations. These details are outlined in a set of 10 statements divided into five categories. Each of these statements reveals one of the ways in which we will carry out our call of improving human life. To help illustrate the positive and lasting impact of a richer and expanded vision on the Society as well as chemistry and how it is practiced, we asked a number of ACS members to reflect and comment on what the vision means to them and on its potential to benefit Earth and its people. These commentaries — by members representing industry, academia, students and the international community — are featured in this year’s annual report.

Since its March introduction at the 231st ACS National Meeting in Atlanta, the new vision has had profound influence on important Society decisions. Perhaps none more so than the new strategic framework, titled *Strategic Directions 2007 and Beyond*, which was adopted by the ACS Board of Directors in December 2006. The framework, developed with significant contributions from members, governance and ACS staff, stresses the importance of enabling scientific progress to solve humanity’s most pressing challenges. Another foundation is fostering community and social responsibility as well as providing superior value and benefits to ACS members. This strategic framework promotes innovative ways to encourage active participation in the Society.

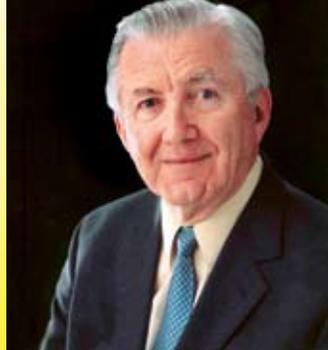
It also focuses on how the world is and will continue to be a better place because of ACS, chemistry and our members.

Our new strategy will be disseminated primarily on the World Wide Web and is available at www.chemistry.org/strategicplan.





E. Ann Nalley
ACS President



James D. Burke
Chair, Board of Directors



Madeleine Jacobs
Executive Director & CEO

The Web is a key component of our new strategic directions. The ACS Web Presence initiative, which began in 2004, is enhancing the relevance and value of ACS to its members and constituents. As we move forward with this important initiative, our goal is to create a unified and streamlined online experience that delivers quality news and information across the chemistry enterprise and allows the global scientific community to connect, communicate and collaborate.

In 2006, ACS made significant progress toward this goal. Hundreds of user tests, surveys and focus groups were conducted to uncover the needs and wants of diverse audiences, including interdisciplinary and international scientists. When the new ACS Web site is launched in late 2007, we believe it will be the foremost destination for anyone interested in the chemical sciences and engineering.

The Society also moved forward with its efforts to create a new governance framework that will best allow ACS to fulfill its mission and remain a world-class organization. In March, an ACS task force completed its review of the Society's governance structure and presented its findings at the national meeting in Atlanta. While the task force affirmed that ACS is a healthy and strong organization and that the governance as currently defined by our Constitution and Bylaws is effective, it also found room for improvement.

To meet the Society's future challenges and to continue to meet members' needs and expectations, the task force developed 23 "talking points" describing possible actions that could improve the transparency of ACS governance decision-making

and increase the agility and speed of Society responses to external challenges.

These challenges include the globalization of the chemistry enterprise, the surge in chemical scientists and engineers working at the borders of other disciplines and the increased competition for our members' time and resources.

The ACS Board of Directors and the Council Policy Committee considered hundreds of member comments before referring the most promising of these talking points to action teams of important stakeholders for advancement. Further consideration of some other talking points was referred back to the task force for refinement.

As this process moves into 2007, changes will be implemented with an emphasis on continuing dialogue with the membership. Among the important areas being explored are broadening the reach of ACS membership to multidisciplinary scientists and students, improving support to Local Sections and Divisions, and more effectively utilizing our volunteers' contributions.

Recently, the ACS completed its Contingency Planning initiative, which provides the Society a ready path forward should we ever face a major financial crisis. The ACS Board of Directors also established the Program Review Advisory Group (PRAG) to help assure that all Society programs are relevant, properly funded and well managed. It is essential that our programs, products and services strategically meet the needs of current and potential members, particularly those employed in multidisciplinary research and manufacturing.



In addition, ACS conducted an in-depth study to identify key emerging technologies and user trends that will shape scientific and other global communications over the next few years. The goal of the study was to determine how ACS can best provide scientific and other information in the coming decade and position itself for continued success. Following extensive research on technology and user trends as well as interviews with outside experts, a leadership workshop was convened to review the study findings and discuss ideas to meet these challenges. Among the many ideas were: new business models, open access, ubiquitous computing, e-learning and new publishing media.

After considering the workshop report, the ACS Board of Directors, in conjunction with the ACS Governing Board for Publishing, established guidelines for implementing its recommendations. This report and its prioritized recommended actions — along with the ACS strategic directions and other governance initiatives — provide a critical roadmap for our journey forward as a premier scientific society.

As we move ahead with these initiatives, ACS remains committed, as it has for 130 years, to providing our members with a strong sense of community, to being a forceful advocate for the chemistry enterprise and to being a reliable source of scientific knowledge and educational opportunities. And in 2006, ACS had a tremendous year in each of these areas.

Membership rose to 160,491. This is the second consecutive year membership has increased. This gain was due in part to a successful campaign aimed at multidisciplinary chemical scientists and engineers working in pharmaceuticals, energy and fuels, biotechnology and analytical chemistry. The Society also is promoting multidisciplinary programs and partnerships in order to raise awareness of ACS among non-members and encourage scientific collaboration.

Chemistry, for example, plays a critical role in research on cancer diagnosis, prevention and

treatment. At year's end, ACS and the American Association for Cancer Research were preparing to co-sponsor a special joint conference. The conference, held in February 2007, provided chemists with interests in cancer research a forum for discussions and cooperation. This highly successful meeting also offered young chemical scientists and engineers a chance to explore career opportunities in this important research field.

Enticing more young people to consider careers in the sciences, and chemistry in particular, will be a necessity in the highly competitive and global 21st century economy. Meeting this challenge will require education, collaboration and innovation. ACS President-Elect Catherine T. (Katie) Hunt plans to stress these points during her 2007 presidential year. Already, ACS has many of the resources in place to help her reignite our national commitment to science and technology.

Perhaps the most potent of these resources is our membership. Much of President Nalley's year was devoted to recognizing the extraordinary volunteer efforts of members and creating a regional volunteer service award. In January, in partnership with other scientific societies, members of the ACS Legislative Action Network (LAN) sent more than 1,000 letters to President George W. Bush requesting that he highlight the importance of science and technology in his State of the Union address. It worked! President Bush proposed the American Competitiveness Initiative, which included many of ACS' top science research and education priorities. In all, LAN members sent nearly 11,000 letters in 2006 to their elected leaders urging action on important ACS concerns.

While ACS works to ensure that the American Competitiveness Initiative and other legislation remains a priority in Congress, we continue to promote science education in other ways. More than 10,000 undergraduates are enrolled in the ACS Student Affiliates program and the number of colleges and universities offering ACS-approved chemistry programs has increased to 639. In addition, the Society is working with the University



of Wisconsin-Madison and Carnegie Mellon University in Pittsburgh to develop the ChemEd Digital Library, a pathway to chemical education resources through the National Digital Library. This project, supported in part by a three-year grant to ACS from the National Science Foundation, will allow chemistry students and teachers to access these materials online as well as interact and collaborate.

The ACS Development Office did its part in 2006 to support ACS educational efforts. The Society raised more than \$3 million, including \$1.13 million in individual gifts, in support of Project SEED, an ACS-sponsored summer laboratory program for high school students, and the ACS Scholars Program, a program that provides scholarship funding to academically gifted African-American, Hispanic and Native American students pursuing studies in the chemical sciences. These monies also will help support two other funding priorities, the ACS Green Chemistry Institute and the ACS Teacher Training Program.

In addition, ACS and the Chinese Chemical Society agreed to cooperate on developing new resources for high school teachers. In Latin America, ACS organized four workshops on activity-based chemistry education in Guatemala, Mexico and Panama. ACS President E. Ann Nalley spoke at the 19th International Conference on Chemical Education in Seoul, South Korea and at the 27th Latin America Congress on Chemistry in Havana, Cuba.

And as we reach out to the world, the world is reaching back. Our international membership now stands at more than 19,000 — which is about 12 percent of our total membership — and represents more than 100 countries. More than half of the material covered in the Society's Chemical Abstracts Service (CAS), the world's most comprehensive source of chemical information, originates outside the United States. Likewise, more than 60 percent of the articles published in ACS journals are by non-U.S. scientists.

Both CAS, which will celebrate its 100th anniversary in 2007, and ACS Publications had outstanding years. CAS scientists indexed one million documents in 2006, the largest annual total in the Service's history. In all, CAS document records now exceed 25 million. In ACS Publications, Web downloads of ACS journals topped 55 million. Late in 2006, ACS Publications began offering *ACS AuthorChoice*, which will give authors the option of sponsoring immediate open access to their research articles by paying a one-time fee. ACS Publications also launched *ACS Chemical Biology* and prepared to introduce two new journals in 2007: *Journal of Physical Chemistry C* and *ACS Nano*. The strong financial contributions of CAS and ACS Publications in 2006, coupled with excellent expense control throughout the Society, led to another year of outstanding financial performance and a significant addition to ACS reserves.

So as we conclude 2006, ACS is strong, healthy and on the move. As we focus on the challenges and opportunities ahead of us, **we will continue exploring innovative ways of** enabling scientific progress and **transforming the world.**

E. Ann Nalley
ACS President



James D. Burke
Chair, Board of Directors



Madeleine Jacobs
Executive Director & CEO



OUR VALUE AT WORK IN 2006



AMI LeFEVRE is a National Board certified high school chemistry teacher in Skokie, Ill. She also teaches at North Park University in Chicago and Northwestern University Center for Talent Development in Evanston. She serves as ACS High School Committee Chair for the Society's Chicago Section, and has been an ACS local section member for four years and a member of the ACS Division of Chemical Education for six years.

'ACS HELPS ME CONNECT WITH MY STUDENTS'

Why 'Chem-is-try' Matters

"Creating active and engaged learners is a daily goal in my chemistry classroom," Ami LeFevre says. "Teaching the relevance of chemistry and providing effective instruction motivates my students to prepare for future coursework and science careers. My classroom motto is "chem-is-try." Students should deepen their knowledge, ask questions and challenge themselves to try new things."

After 16 years in the classroom, I know it takes a lot more than lame lab jokes and quizzes to motivate students. I need to help them connect the dots between chemistry, their lives and, potentially, their careers. Sometimes that's not easy. But ACS professional training and educational materials give me an important edge.

ACS educational materials like *ChemMatters* help reinforce the concepts I teach and relate those concepts to students' everyday lives. For instance, after discussing colligative properties and how particles affect the freezing point of liquids, such as water, I have my students read a *ChemMatters* article about how chemistry is involved in the making of ice cream. I still get a kick out of it when students look up from their reading and say, "Ohhh, that's why we use salt!"

My students learn about careers in chemistry and experience chemistry beyond what is taught in the classroom by participating in

our high school's ACS Chemistry Club and talking with scientists at the annual ACS Chemistry Day in Chicago. I take my best female chemistry students to the Argonne National lab's annual women in science conference. These students laugh at their own stereotypes of scientists ("They look like normal people!") and always tell me how impressed they are with the accomplishments of the women scientists they meet. In fact, one of my students contacted a scientist she met at the conference to arrange a job-shadow day — her first career networking opportunity!

ACS educational programs and resources enhance curricula and promote teacher professional development. Networking and collaborating with colleagues enables me to advance my understanding of chemistry, discover opportunities for myself and my students, and provide service for the betterment of our community.

—A.L.



'CAS DATABASES ARE INVALUABLE'

Nobel Laureate ROBERT H. GRUBBS, PH.D., is the Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology in Pasadena. An organic chemist whose work has led to a wide variety of applications in medicine and industry, Dr. Grubbs was a recipient of the 2005 Nobel Prize in chemistry for the development of the metathesis method in organic synthesis. He has been an ACS member for 43 years.

One of the things I most value about ACS is online access to its peer-reviewed journals and chemical databases. Being able to rapidly search for important chemical information while an idea is fresh in your mind is almost priceless.

Recently, for instance, we were discussing an idea and someone asked, "Can we make a material which is easily decomposed?" Well, first I needed to find out what materials were used now, then I needed ideas on how to modify the material, then I had to go to the literature a third time to find out how to make the structures that I thought we would need. In each of those cases, CAS online databases made searching very easy.

Without access to SciFinder® and other CAS online resources, I seriously doubt I would

have attempted doing a search like that. It would have required spending a lot of time in the library, which I find difficult to do these days. Sometimes I joke that chemists are going to get totally out of shape because as a graduate student, I remember spending hours at the library taking *Chemical Abstracts* volumes on and off the shelf and hauling them around. That was all the exercise I got some days.

The point is, CAS databases streamline the investigative process — allowing you to take an idea and rapidly find the important and necessary information before you forget about the idea or it loses its excitement. That really is invaluable.

—R.G.

It's a Hit!

Dr. Grubbs metathesis technology is being used to develop new environmentally friendly pesticides, anti-corrosive pipes and to strengthen wooden baseball bats. By inserting a polymer into the tiny spaces between the wood fibers "the polymer strengthens the wood so now you can hit the ball 400 or 500 times without the bat breaking. Without the treatment, maybe it would break the first time you hit with it," he said in *Caltech News*, the Institute's alumni quarterly.

Robert Grubbs's photo courtesy of Robert Paz/California Institute of Technology

OUR VALUE 2006 HIGHLIGHTS



New publishing options increase access to ACS journals

The Society implemented two major new initiatives to broaden access to ACS journal content:

- *ACS AuthorChoice* gives authors the option of sponsoring immediate open access to their research articles by paying a one-time fee. Significant discounts are available for contributing authors who are ACS members and/or who are affiliated with an ACS-subscribing institution.
- *ACS Articles on Request* allows journal authors to provide **unlimited** online access to readers one year after publication.

CAS has record-setting year

CAS scientists indexed one million documents for CAS databases in 2006, the largest annual total in its history. CAS document records now exceed 25 million. During the same period, more than 3 million organic and inorganic substance records were added to the CAS RegistrySM database, for a total of more than 30 million substance records.

New ACS Web site links biotech scientists

The Society established www.biotechexchange.org, a new Web site for scientists and students active in the biotechnology and bio-based materials industries. The site provides users a forum to share information and seek collaborations.

ACS Chemical Biology premieres

ACS launched *ACS Chemical Biology*, with Laura L. Kiessling of the University of Wisconsin, Madison, as its editor-in-chief. This monthly journal delivers original research articles, reviews and other innovative content, in print and online.





ACS PRF supports 465 grants in 2006

In 2006, the ACS Petroleum Research Fund supported 465 research and education grants valued at \$22.1 million. An ongoing strategic review of the Fund and its activities will be completed in 2007.

SciFinder® Scholar continues double-digit growth worldwide

SciFinder® Scholar was installed at more than 1,300 universities in 53 countries in 2006. This is a 12 percent increase from 2005. Much of this growth is due to the introduction of the Universal Share Programs that make SciFinder® Scholar more affordable to many schools.

Publications fulfillment system replaced

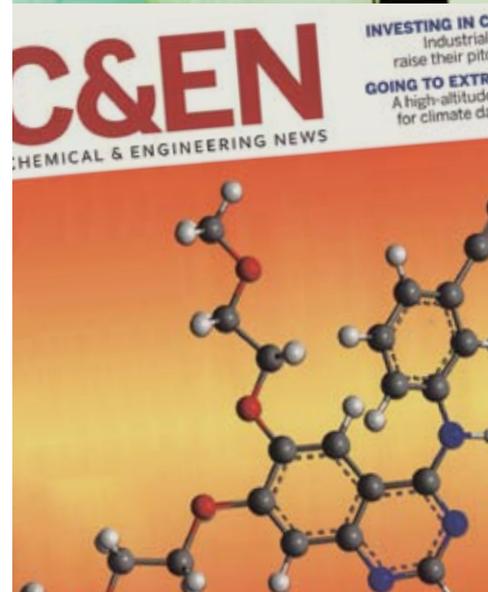
In 2006, ACS replaced its publications fulfillment system. This investment will help ensure that the Society is able to adapt its practices to meet evolving needs, particularly as pricing structures change and revenue for journal publications shifts from print to electronic versions.

C&EN launches new print and online design

C&EN and www.cen-online.org were redesigned in 2006. The redesign, which debuted Oct. 16, conveys the dynamism of the chemical enterprise while maintaining the brand of C&EN as the premier newsmagazine of the chemical world. A major change on the cover is the adoption of "C&EN" as the official logo, intended to project a clear, strong brand identity.

Disaster recovery improvements implemented

New technology improved the Society's ability to cope with a disaster. For example, the systems necessary to continue to deliver ACS journals and other content in the event of a disaster were replicated in a remote data center and successfully tested.



OUR MEMBERS/ VOLUNTEERS AT WORK IN 2006



THOMAS H. EPPS III, PH.D., is an assistant professor of chemical engineering at the University of Delaware and an affiliated faculty member of the Delaware Biotechnology Institute. He was a member of the first class of ACS Scholars in 1995 and has been a Society member for 10 years.

'ACS SCHOLARS PROGRAM HELPED ME ACHIEVE MY DREAM'

Survey Says...

Of the more than 750 ACS Scholars who have graduated, 56 percent are African-American, 40 percent are Hispanic and 4 percent are Native American. Equally impressive is that 362 entered the workforce immediately and 392 are in graduate school. Thirty, including Thomas Epps, have earned Ph.Ds. "ACS Scholar graduates bring a diverse cadre of backgrounds and experiences to science and engineering research," Dr. Epps says. "These unique experiences will allow us to explore new approaches to solving today's problems."

Thomas Epps' photo courtesy of University of Delaware

Now, more than ever, we need to expose young people to the transforming power of the chemical sciences and open their eyes to the opportunities that are available in this field to change people's lives. For many underserved and underprivileged students truly interested in our profession, the hope of pursuing a degree in chemistry — much less making it a career — is often a dream deferred.

Fortunately, the ACS Scholars Program is making a difference. Since 1995, this college scholarship program has awarded more than \$9.4 million to some 1,700 academically gifted African-American, Hispanic, and Native American students who want to study the chemical sciences.

As one of the first ACS Scholars, I know from personal experience that this program not only works, its impact is lasting.

Because of the program, I was able to take extra courses, perform undergraduate

research, and explore the breadth of the chemical sciences. ACS career counselor Dorothy Rodmann, my program mentor, kept me going with her encouragement and support. In turn, mentoring a younger ACS Scholar helped me find my niche. As I helped this student successfully map out his course plan and find an exciting research project, I realized I enjoyed the experience. These mentoring opportunities were a major driving force in my choice to pursue an academic career.

I am truly indebted to the ACS Scholars Program for the constant guidance, mentorship and support that has informally continued even after I have officially "graduated" from the program.

Now, more than ever, it is time for us to support this vital program that can help fulfill the dreams of so many others and provide our chemical enterprise with a much needed infusion of diversity, innovation and future leadership.

—T.E.



'KNOWLEDGE OF CHEMISTRY IS LIKE MAGIC'

JONATHAN COFFMAN, PH.D., is a Principal Engineer II at Wyeth BioPharma in Andover, Mass. He is secretary of the ACS Biochemical Technology Division, and has been a Society member for 12 years.

I am a proud biochemical engineer and member of ACS who strives to make life-saving and life-enhancing drugs for people. I've worked on new drugs that have been or will be evaluated for treating Alzheimer's disease, muscular dystrophy, lung cancer, breast cancer, prostate cancer and rheumatoid arthritis. I've worked on a drug that has been used to grow bone for hundreds of wounded soldiers in Iraq and Afghanistan, saving their limbs from amputation.

My understanding of chemistry, specifically protein chemistry and biochemistry, is the basis for my job. ACS conferences and journals are an important resource in this work. I read *Chemical & Engineering News* weekly to keep up-to-date on general chemistry issues. I also read several ACS peer-reviewed journals. The ACS conferences are highly regarded by my peers — scientists and engineers in my field routinely give their best presentations at these conferences.

These, and other, sources of information increase my knowledge of chemistry.

The knowledge of chemistry is like magic: it helps me see what is invisible, explain mysteries and create something from nothing. Without knowledge of chemistry, I would struggle in muggle* futility; instead, I get paid for performing chemistry "magic" on a regular basis.

Understanding protein chemistry has allowed me, as part of several multidisciplinary teams, to develop processes to manufacture the protein-based drugs used in biotechnology. Nearly everyone on these teams has an understanding of chemistry that is crucial to the success of our drugs; many of them are also members of ACS. While I am a small part of a large group of scientists and engineers, I am proud of my contribution to society and to the welfare of people everywhere.

—J.C.

Saving Limbs on the Battlefield

"When I found out that a protein biopharmaceutical I had worked on was being used to save the limbs of U.S. soldiers in Iraq and Afghanistan, I thought 'that's why I love my job,'" Dr. Coffman says. "Later, a military surgeon showed us pictures of the damage done to soldiers in Iraq, and I had to turn away while he described the photos of the injuries and the surgery. He said that the drug was one of the two most significant advances in treating these types of injuries. I was proud to have contributed to the development of this biopharmaceutical."

Jonathan Coffman's photo courtesy of Wyeth BioPharma

Soldier photo courtesy of U.S. Department of Defense 2006

*Slang term for a non-wizard in the Harry Potter books by J.K. Rowling.

OUR MEMBERS/VOLUNTEERS 2006 HIGHLIGHTS



Student Affiliates from the University of Toledo attended the ACS national meeting in San Francisco, their eighth consecutive national meeting.

Record student attendance at ACS national meeting

Good news in our efforts to attract new young members: a record number of undergraduate students — 1,875 — attended the 231st ACS National Meeting in Atlanta. Students presented more than 1,000 posters at the meeting, and more than 1,000 people participated in the annual Student Affiliates Chapter awards ceremony, which featured greetings from ACS President E. Ann Nalley and President-Elect Catherine T. (Katie) Hunt, and a keynote address by ACS Executive Director & CEO Madeleine Jacobs.

SOCED members testify in support of national science education strategy

Society Committee on Education (SOCED) members Joe Heppert and Tom Smith testified before the National Science Board (NSB) on Feb. 10 in Boulder, Colo. The NSB considered the need for a commission that would formulate a national strategy on K-16 STEM (Science, Technology, Engineering and Mathematics) education.

U.S. Chemistry Olympiad team wins four medals

The 2006 U.S. National Chemistry Olympiad team, sponsored by the ACS, won three silver medals and one bronze at the 38th annual International Chemistry Olympiad in Gyeongsan, South Korea. The U.S. team, consisting of four of the nation's top high school chemistry students, competed with teams from 66 other countries in the week-long event.

ACS membership tops 160,000

ACS membership rose 1.3 percent in 2006 to 160,491, continuing a two-year upward trend. Increased recruitment efforts as well as opening the international market helped achieve this growth.





New regional award recognizes ACS volunteer service

Seven of the 10 ACS Regions presented members with the first E. Ann Nalley Regional Awards for Volunteer Service. The awards, established by President Nalley as part of her presidential initiative, honor ACS volunteers for a variety of significant contributions, including, but not limited to, the initiation or sponsorship of a single endeavor or exemplary leadership in the region.

Chemistry in the Community event kicks off San Francisco national meeting

The ACS Board of Directors and other members participated in "Chemists in the Community: Outreach in San Francisco," a Presidential event that kicked off the 232nd ACS National Meeting. ACS members volunteered at the San Francisco Zoo, the San Francisco Food Bank, Literacy for Environmental Justice, Heron's Head Park and the Golden Gate National Parks Conservancy.

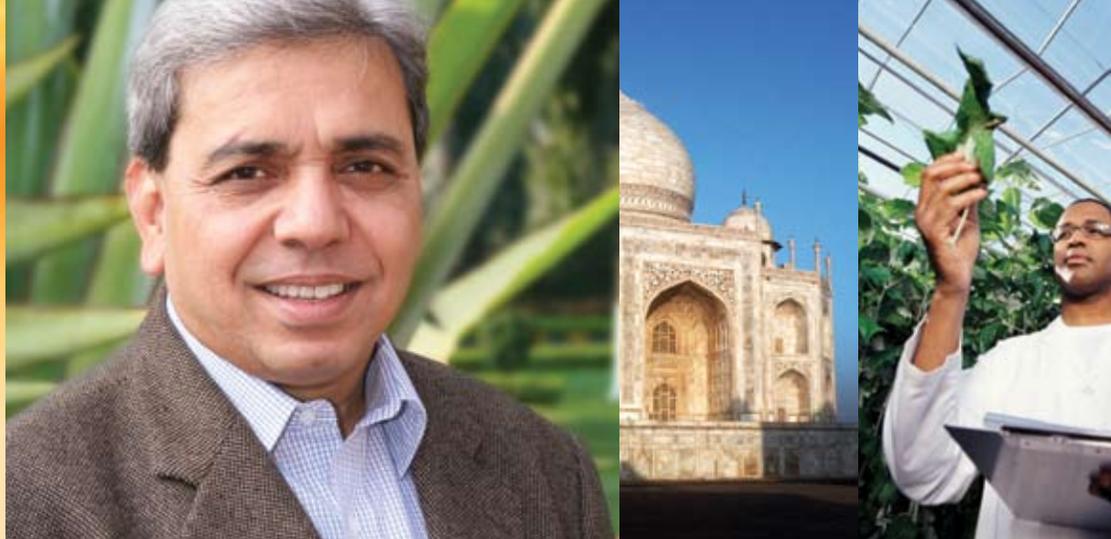


ACS members helped with a variety of community projects to kick off the 232nd National Meeting in San Francisco. *Clockwise from top:* members erected a fence at the San Francisco Zoo, helped ACS President E. Ann Nalley restore native plants to the Golden Gate National Parks Conservancy, Fort Funston, and packed boxes at a local food bank.

Photos © Lou Dematteis 2006.



OUR RELATIONSHIPS AT WORK IN 2006



MUKUND K. GURJAR, PH.D., heads the Organic Chemistry Division of the National Chemical Laboratory in Pune, India. An ACS member for 10 years, he serves on the editorial board of the ACS journal, *Organic Process Research & Development*.

'ACS IS THE EPICENTER FOR CHEMICAL SCIENTISTS'

Can We Talk?

Developing an interdisciplinary workforce in India is an ongoing challenge, according to Dr. Gurjar. "We have very good organic chemists and very good biologists in India," he says. "But the biologists don't understand much about organic chemistry and the organic chemists have trouble understanding biology. We need more chemical professionals who can speak in broader scientific terms. Through joint conferences and collaborations with ACS we are trying to bring this kind of culture into our country."

One might wonder why someone living in India would want to be a member of the American Chemical Society. The reason is simple: as the world's largest scientific society, ACS is the epicenter for chemical scientists seeking the cooperation of their international counterparts.

Through the Society, international members — including roughly 500 of us here in India — can readily form collaborations that could greatly benefit humanity. In January, for instance, ACS and India's Council on Scientific and Industrial Research (CSIR) conducted its first joint conference in Pune. This conference, *Building Bridges, Forging Bonds for 21st Century Organic Chemistry and Chemical Biology*, provided an opportunity for the best U.S. and Indian chemical researchers to discuss their work.

But what truly made the conference a success was the participation of many prominent ACS members including 2005 Chemistry Nobel Laureate Robert Grubbs of the California

Institute of Technology, Laura Kiessling of the University of Wisconsin and editor of *ACS Chemical Biology*, and Stephen Buchwald of MIT. As you might imagine, this exciting conference created quite a stir in India, particularly among those in industry, academia and government. We view it as a major step forward in an on-going effort to promote scientific cooperation between our countries.

ACS journals also help foster international scientific cooperation. These journals are number one as far as I'm concerned. They are the yard stick by which we measure quality. When we get an article in one, the global recognition we receive is phenomenal. Equally important, we get a lot of good ideas from ACS journals that help us to improve the processes we use to develop drugs in our labs.

As chemical research rapidly advances in India and elsewhere around the world, ACS will be there, building bridges and forging bonds.

—M.G



'MOLECULES DON'T RECOGNIZE BORDERS'

AL AND CAROLYN RIBES are Ph.D. analytical chemists working for Dow Chemical in the Netherlands. Carolyn, an ACS member since 1982, is chair of the Committee on Science and former chair of the ACS Committee on Women Chemists. Al, who has been a Society member for 21 years, is treasurer of the Analytical Division and serves on the Minority Affairs and Community Activities committees.

As the borders between the sciences blur and the global economy expands, ACS is emerging as an important international presence, forging relationships that improve people's lives worldwide.

ACS members are working all over the world for multinational corporations. More than 60 percent of submissions to ACS journals come from outside the United States. SciFinder® and ACS journals are licensed in organizations around the world. The Analytical Division alone has members from more than 80 countries.

In our experiences working overseas, we've found that maintaining links with other science professionals is vital. For example, while designing the analytical support for a new manufacturing plant in Argentina, we needed very specific measurements, which the local R&D group couldn't provide. Al and his Argentine partners worked with a local university to secure high-level support to address plant start-up needs.

In other cases, we have found that by relying on professors with expertise in a narrow

field, graduate students for development work and highly specialized university equipment, we can collaborate on a project without having to invest for the long term in people or equipment. We also rely on university contacts and links to professional organizations, such as the Process Analytical Group of the German Chemical Society (GDCh AK Prozessanalytik), to help us identify potential employees. Keeping the ACS model in mind has helped us identify subgroups in other national organizations related to our field of interest.

It has been said that molecules don't care who discovers them. Well, molecules don't recognize international borders, either. Nor do they recognize boundaries between the sciences. We believe this world view is healthy for the chemical sciences. As chemistry redefines itself in the years ahead, ACS will be a key catalyst, promoting scientific collaboration and communication on a seamless global stage.

—A.R. & C.R.

Working Overseas? Make Sure the Shoe Fits

As more chemical companies become multinational or develop multinational programs, more ACS members could find themselves working overseas — at least temporarily — in the years ahead. How to cope? "Try to get some cultural training so you can understand how the people you are going to be working with communicate, manage time and live day-to-day," Dr. Carolyn Ribes suggests. "You want to understand their culture as well as you do your own so you can step out of your shoes and try on theirs."

OUR RELATIONSHIPS 2006 HIGHLIGHTS



Society establishes consortia agreements in six new countries

ACS Publications established new consortia agreements in Indonesia, Iraq, Lithuania, Macedonia, Malawi and Russia. Existing consortia agreements were expanded in Brazil, Canada, China, France, Germany, India, Japan, Korea, Mexico, Peru, the United Kingdom and Venezuela. A consortium is a group of libraries working cooperatively to enable broader access to electronic content for individual members.

Education Division receives two National Science Foundation grants

The National Science Foundation (NSF) awarded two grants worth more than \$500,000 to the Education Division in 2006. The first, a collaborative proposal with the University of Wisconsin-Madison, and Carnegie Mellon University in Pittsburgh, provides \$459,014 over three years for the "ChemEd Digital Library: A National Science Digital Library Pathway for Chemical Sciences Education." The second grant provides \$98,180 to help support the 2007 "Pan-American Advanced Studies Institute (PASI): Sustainability and Green Chemistry."

Enhanced STN AnaVist™ introduced

CAS and its STN® partner FIZ Karlsruhe introduced an enhanced version of STN AnaVist™ analysis and visualization software, which continued to grow in popularity. The software also was introduced in Japan in 2006. Favorable reviews of STN AnaVist™ were published in *Online and World Patent Information*.

ACS Green Chemistry Institute Roundtable focuses on pharmaceutical research challenges

The ACS GCI Pharmaceutical Roundtable, a coalition of pharmaceutical companies, identified the top green chemistry research challenges within the industry and initiated a research grant competition to address these challenges. More than 30 proposals were received.





ACS leads effort to promote STEM education initiatives

ACS led the Science, Technology, Engineering and Mathematics (STEM) Education coalition, which is widely credited with helping bring STEM education to the forefront in the 109th Congress. The Society also worked on several pieces of legislation including STEM teacher recruitment, funding for high school science laboratories and a bill to add science to the *No Child Left Behind* testing standards.

Society expands its worldwide partnerships

ACS and India's Council of Scientific and Industrial Research sponsored conferences in Pune and Hyderabad, India. The events attracted more than 1,000 participants. ACS and its European counterparts in the United Kingdom and Germany jointly sponsored *Transatlantic Frontiers of Chemistry*, a forum for some of the rising generation of top scientists in Europe and the United States to interact and share ideas.

'Everyday Chemistry' comes to Epcot

Working in conjunction with the Disney Institute, ACS helped develop an "Everyday Chemistry" course at Disney Epcot in Orlando, Fla. The three-hour course, for students in grades four through nine, is part of the Disney Youth Education Series (YES) and takes place at three scientific exhibits at Epcot. Educators with the Disney Institute teach the courses, using material provided by ACS. Hands-on experiments and activities play a major role in the course.



Mukund K. Gurjar, Ph.D., of India's National Chemical Laboratory enjoys a moment in the spotlight at the first joint ACS-Council on Scientific and Industrial Research meeting in Pune, India.



Junior Girl Scouts from Delaware, Ohio, participated in Everyday Chemistry at Epcot in June 2006.

OUR IMAGE AT WORK IN 2006



GEORGE A. KHOURY is a junior studying chemical engineering in the Schreyer Honors College, The Pennsylvania State University, University Park campus. He is vice president of the Council of Commonwealth Student Governments and has been an ACS Student Affiliate for three years.

'WE RESPECT ACS AND I KNOW IT RESPECTS US'

Clear Focus on Clean Air

"There is a strong need for global change in emissions, and my positive experiences in student government and chemical engineering give me confidence that I will contribute to this cause, not only as a scientist, but as a spokesperson and political advocate," George Khoury says. "My personal philosophy is simple and direct: I actively seek out opportunities for positive change."

*George Khoury's photo
courtesy of Robert Dietz*

The American Chemical Society is respected among chemical science students, and I know from my own personal experience that the Society respects us. In 2006, I presented a poster at the 38th ACS Middle Atlantic Regional Meeting in Hershey, Pa. One of the people who stopped by was ACS President Ann Nalley, who spent an engrossing 15 minutes talking to me about her background and her experiences in my particular area of study.

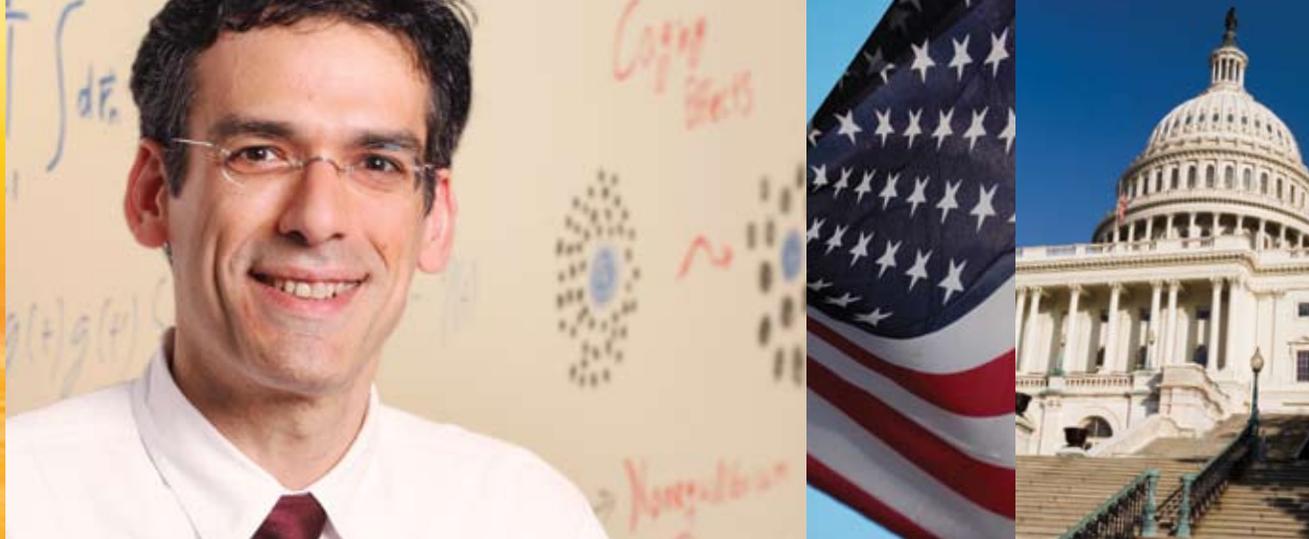
It was awesome realizing that President Nalley really cared about my work and was personally interested in it. It's a feeling I can't compare to any other that I've had in my life. Now I'm 100 percent sure that I want to get a doctorate in chemical engineering and hopefully be

like her someday, inspiring a younger generation to pursue careers in this important scientific field.

My own aspirations include conducting cutting-edge research at a major research university, and establishing a world-renowned research group that will study the thermodynamics and kinetics of combustion engines and fuel cells. I hope to create a "pollution vacuum," which could be installed in all new vehicles and chemical production plants to eradicate pollutant gases from the air.

As I move closer to beginning my career, I'm confident that ACS and its willingness to put its members first will enable me to achieve my goals and so much more.

—G.K.



'ACS OPENS DOORS TO THE PUBLIC'

RIGOBERTO HERNANDEZ, PH.D., is an associate professor of chemistry and biochemistry at the Georgia Institute of Technology (Georgia Tech) in Atlanta. He serves on the ACS Georgia Local Section government affairs committee, is a Councilor for his Section and has been an ACS member for 14 years.

Like all members of the ACS, I am a scientist and a chemist. Like most members of the ACS, I am not a public policy maker. Nevertheless, I can offer my expertise to public policy makers, providing them with the best available information that they can use to set policy. I can also help the general public understand chemical principles in the same way that I teach the freshmen in my General Chemistry class.

Our Society has built an infrastructure that enables members like me to interact directly with public policy makers and the general public. I've been able to meet with congressional staffers, student groups and others to explain the transforming power of chemistry and its role in improving people's lives. I'm not sure those doors would have been open to me without the help of the ACS and its reputation. Indeed, the ACS enables me to focus on communicating my love of chemistry.

Our members represent a vast political spectrum. Yet, I think we all would agree that chemistry is important, that we need to maintain an educated chemical workforce, and that basic research is a driver for the common good and for the economy. Thus, our message is truly non-partisan. We simply provide facts about the important breakthroughs and training that basic research provides to our country, and realistic cost estimates for maintaining the requisite infrastructure. It is then up to policy makers to determine if funding is warranted.

Like most other members, I welcome any opportunity to explain my science to policy makers, to students and to just about anyone who will listen. But, the hardest step for me has been solved by the ACS opening doors to these audiences.

—R.H.

See to Be Seen

Years ago, Dr. Hernandez met with U.S. Rep. John Lewis in Atlanta. Some time later, when Dr. Hernandez was part of an ACS visit to Capitol Hill, the congressman recognized him by name, and invited the entire group into his private office for a discussion. "We met with many staffers from other congressional offices that day, but he was the only congressman we talked with in person and it was catalyzed by my previous Local Section activities in his home district," Dr. Hernandez says.

OUR IMAGE 2006 HIGHLIGHTS



ACS broadens international outreach

The Society took several steps to improve its service to the international community that will further enhance our strong reputation overseas. We finalized plans to strengthen the foreign language content of the new ACS Web site, which will be available in 2007. The Society developed the “Quimica” wiki to focus on chemically related activity in Latin America and a new site to highlight ACS’ Spanish-language resources. ACS also posted foreign-language podcasts of ACS President E. Ann Nalley’s welcoming remarks to members at the Atlanta and San Francisco national meetings.

Weekly ‘PressPac’ boosts Society’s media presence

In April, in response to ACS members’ strong desire to inform the public about chemistry’s impact on our lives, the ACS launched a science news summary for the media. The ACS News Service Weekly PressPac, a compilation of newsworthy articles from ACS journals, is distributed each Wednesday to about 3,000 journalists worldwide.

ACS-wide communications strategy approved

The Board of Directors approved the first Society-wide Communications Strategic Plan. When it is implemented in 2007, the plan will raise the visibility of Society programs, products and services to members, potential members and other target groups. The strategy will ensure ACS communicates a consistent message and image.





Children's chemistry event draws crowd in Atlanta

The Office of Community Activities and the ACS Education Division co-hosted "Celebrating Chemistry: Kids & Chemistry LIVE!" during the 231st ACS National Meeting in Atlanta. The event, which attracted more than 1,000 participants, featured hands-on activities that helped children gain a better appreciation of science and understand some of the ways that chemistry affects their lives.

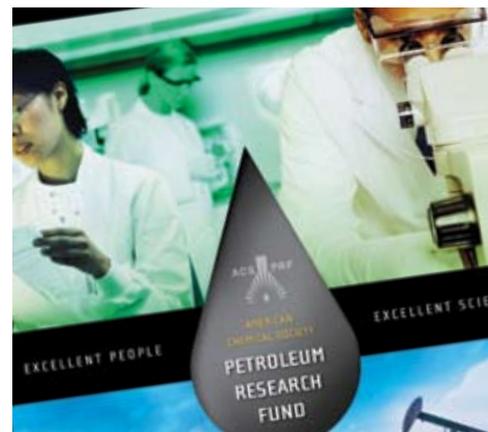


ACS peer-reviewed journals top ISI rankings

ACS peer-reviewed journals rank number one in citations and/or ISI[®] Impact Factor in the seven ISI[®] core chemistry categories. Society journal citations also topped seven additional ISI[®] categories, including agriculture, polymer science, and nanoscience and nanotechnology. In the most recent years available for comparison, ACS journals exceeded 1.13 million citations in 2005, a 13 percent increase from 2004. A major marketing campaign shared this data with more than 100,000 authors, reviewers and researchers.

New brochure highlights ACS PRF research grants

The ACS Petroleum Research Fund, in conjunction with the Office of Communications, published *Excellent People, Excellent Science*, a brochure describing some of the diverse research supported by the PRF. This research includes efforts to understand the distribution of petroleum resources in the Western Hemisphere and to explore ways to convert natural gas into methane.



New edition of *Chemistry in the Community* published

The fifth edition of the high school chemistry text *Chemistry in the Community* was released in January 2006. Its publication completed a three-year effort by an editorial team, led by Henry Heikkinen of the University of Northern Colorado.

OUR ORGANIZATION AT WORK IN 2006



JOHN C. WARNER, PH.D., is a professor of plastic engineering and director of the Center for Green Chemistry at the University of Massachusetts, Lowell. He is also a member of the ACS Green Chemistry Institute Governing Board. Warner has been an ACS member for 24 years.

‘WHAT A TIME TO BE PART OF ACS!’

Art, Science and All That Jazz

John Warner is a musician who plays in a jazz band. “Composing a piece of music is not very different than designing a material with specific properties,” he says. “The act of creating something new in the world, bringing something into existence that was not there previously, is something universal that makes irrelevant the words ‘Art’ and ‘Science’”.

I honestly believe that today, more than any time in history, is the greatest time to be a chemist! We have a rich history behind us that provides a time-tested foundation on which we stand. We still have plenty of intriguing questions to answer regarding the fundamental nature of molecules and materials. And we have extremely important problems to solve in order to create a sustainable future.

Our frontiers at the molecular level are opening new avenues of research and discovery. We are finding new meaning and opportunity at chemical interfaces. The role of weak molecular forces and the unique properties based on size and shape are revealing fascinating new mechanisms in which heterogeneous molecular constructs exchange matter and energy. We are learning that dissimilar materials can self-assemble into structures with unimaginable beauty and exciting new properties.

And hovering around these beakers and flasks, we are finding an increasingly diverse

set of hands, hearts, eyes and ideas from a variety of disciplines. We are benefiting from different viewpoints offered, and contributing solutions from our molecular perspective, to fields that until recently would not be seen as collaborators with the ACS.

“Chemistry as the Central Science” is taking on new meaning from the perspective of economic development, global climate change, and protection of human health and the environment.

As we continue to discover the unique adaptability and inherent stability of heterogeneous equilibria at the molecular level, we are revealing within ourselves collectively the same. We are stronger because of our collaborations. We can adapt better to change because of our collaborations. As we depend more and more on other people in other disciplines, we must not forget that they are also depending on us. What a time to be part of the American Chemical Society!

—J.W.



'ACS BINDS US TOGETHER IN A COMMON CAUSE'

SARAH MULLINS, PH.D., is a research chemist at 3M in St. Paul, Minn. She is a Councilor for the Minnesota Section and an associate member of the ACS Committee on Chemistry and Public Affairs. She has been an ACS member for 11 years.

As chemists, we all know hydrogen bonding gives water lots of unique properties, such as expanding when it freezes or forming larger networks with other molecules. Surprisingly, ACS has many of these same qualities.

The Society helps expand the boundaries of our science, embracing a multidisciplinary approach that allows each of us to investigate, innovate and collaborate with others outside of our specialty areas. And as the world's largest scientific society, ACS binds us together — very much like water molecules — in a common cause: to make chemistry relevant in the world and to use scientific understanding to help people.

In high school, I was awed by hydrogen bonding — how this principle explains so much about how living organisms work. Fifteen years and a doctorate in chemistry later, I'm amazed by ACS — how it cultivates a community of chemists who mesh scientific curiosity with a determination to serve a greater good.

As a small part of this overall effort, I contribute my technical skills working full time in the lab as well as working to improve appreciation of the physical sciences by nonscientists. As an ACS Councilor, for instance, I arrange for Minnesota Section members to meet with U.S. representatives and senators to discuss research funding, science education standards and how science can address real problems facing their constituents. In addition, thanks to the ACS Legislative Action Network, our congressional delegations receive thousands of letters from Society members each year. Our hard work is yielding results. Recently, the Senate considered the National Competitiveness Investment Act, which included many of the Society's top science research and education priorities.

We still have much to do, but the strengths of ACS as an organization — expanding the reach of our science and creating common bonds among chemical scientists — are improving people's lives and transforming the world.

—S.M.

Chemistry is Sooo Cool!

For some reason, kids can't imagine chemistry is a part of their everyday lives, Dr. Mullins says. "To them, chemistry is lab coats and test tubes, not the adhesive in Scotch® tape or the nifty putty that you can hand-mold until you shine a special light on it and it becomes harder than a rock. They don't understand how much chemistry is involved in those products until I say, 'What do you think chemistry is? Chemistry is what makes all of this cool stuff!'"

OUR ORGANIZATION

2006 HIGHLIGHTS



Society initiates multi-year program review

ACS initiated a systemic review of Society programs to determine if our products and services are meeting the needs of current and potential members. In 2006, the Program Review Advisory Group (PRAG) — three Board members, three members of the Budget and Finance committee, three members of the Council and representatives of the cognizant committees — reviewed programs related to the Society's Science Literacy and Public Communications initiatives: http://acswebcontent.acs.org/PDF/bandf/B&F_PRAG_Progress.pdf

Task force suggests ways to improve ACS Governance

In March, the Governance Review Task Force presented 23 ideas to help improve the transparency of ACS governance decision-making and increase the agility and speed of Society responses to external challenges. The ACS Board of Directors and the Council Policy Committee considered hundreds of member comments before referring the most promising of these ideas to action teams for implementation: http://acswebcontent.acs.org/strategicplan/ACS_GRTFupdate.pdf

New strategic framework adopted

The Board of Directors approved a new set of strategic directions, which will be implemented beginning in 2007. *Strategic Directions 2007 and Beyond* was developed with significant contributions from members. It stresses the importance of fostering community and social responsibility as well as providing superior value and benefits to ACS members. It is available on the Web for members to review, discuss and act upon: <http://www.chemistry.org/strategicplan>

American Chemical Society

Strategic Directions 2007

ACS VISION

ACS MISSION

EXTERNAL VALUE

INTERNAL VALUE

MEMBER VALUE

A SOLID FOUNDATION



Comprehensive contingency plan approved

The ACS Board approved a contingency plan, which outlines processes and actions the Society could take should threats of varying financial impact emerge.

ACS prepares for future technology

Working in partnership with the Institute for the Future (ITF), ACS identified emerging information technologies and communications trends that could influence the Society in the next decade. At its December meeting, the Board of Directors approved a comprehensive, multi-year plan to keep ACS competitive and effective as these technologies and trends evolve.

Society efforts lead to action on Capitol Hill

ACS led efforts to craft and pass meaningful legislation to spur U.S. innovation and global competitiveness. ACS and its members helped encourage President Bush to include these themes in the 2006 State of the Union address, which prompted the introduction of the American Competitiveness Initiative—a ten-year initiative with the goal of providing a total of \$50 billion to increase funding for research and \$86 billion for research and development tax incentives.

Legislative Action Network membership tops 12,000

The ACS Legislative Action Network (LAN) membership increased to nearly 12,500, a 16 percent increase since 2005. LAN members generated close to 11,000 letters in 2006 to their elected leaders on key ACS priorities. During the year, the number of local sections with Government Affairs Committees increased 70 percent.



MEMBER STATUS & ALLOCATION OF DUES 2006

The American Chemical Society is a nonprofit organization with a multidisciplinary membership of more than 160,000 chemists and chemical engineers.

ACS is the world's largest scientific society and publishes scientific journals and databases, convenes major research conferences, and provides education, science policy and career programs in chemistry. Its main offices are in Washington, D.C., and Columbus, Ohio.

ACS MEMBERS IN THE WORKPLACE

EDUCATION

63% Ph.D.

18% M.S.

19% B.S.

EMPLOYMENT

62% business/industry

29% academia

9% government, other sectors,
self-employed

AGE

33% under 40

48% 40 – 54

19% 55 and older

GENDER

74% men

26% women

Percentages rounded. Data based on ACS censuses.

2006 ALLOCATION OF DUES

<i>C&EN</i>	\$5,075,000	34.7%
Support for Society Programs	4,607,147	31.5%
Member & Subscriber Services	2,363,059	16.1%
Local Section Allotments	1,604,146	11.0%
Division Allotments	986,000	6.7%
Total	\$14,635,352	100.0%

MEMBERSHIP STATUS*

	12/31/06	12/31/05
Full Rate	104,617	104,127
Spouse Rate	1,293	1,327
Student Rate	13,968	13,762
National Service	12	15
Retired Rate	7,373	7,408
National Affiliates	1,118	1,070
Family Responsibility	136	125
GRADS	1,477	1,398
Total Paid	129,994	129,232
Dues Waiver—Unemployed	1,204	1,373
Disabled	335	339
Emeritus	15,519	15,464
Total Free	17,058	17,176
Unpaid	13,439	12,014
Total Membership	160,491	158,422

*Source of actual figures: MEAD Report as of date indicated

2006 DIVISION YEAR-END MEMBERSHIP SUMMARY

ACS Divisions	Total
Agricultural & Food Chemistry	2,892
Agrochemicals	1,290
Analytical Chemistry	10,515
Biochemical Technology	3,227
Biological Chemistry	6,444
Business Development & Management	1,177
Carbohydrate Chemistry	938
Cellulose and Renewable Materials	757
Chemical Education	5,477
Chemical Health & Safety	1,485
Chemistry and the Law	1,181
Colloid & Surface	2,771
Chemical Information	1,485
Chemical Technicians	546
Chemical Toxicology	1,048
Computers in Chemistry	2,508
Environmental	5,198
Fluorine	679
Fuel	1,199
Geochemistry	670
History	855
Industrial & Engineering	3,403
Inorganic	6,307
Medicinal	10,540
Nuclear	814
Organic	18,306
Petroleum	1,351
Physical	5,828
Polymeric Materials: Science & Engineering	5,420
Polymer	6,604
Professional Relations	764
Rubber	2,154
Small Chemical Businesses	706
Total	114,539

FINANCIAL HIGHLIGHTS 2006

As noted in the accompanying financial summary, in almost every respect, 2006 was an extremely successful year. Including the ACS Petroleum Research Fund, total net assets increased \$121.8 million, or 14.7 percent. This growth was largely driven by favorable capital market conditions and strong operating results. Unrestricted net assets increased \$71.5 million, attributable in part to an \$11.5 million net contribution, a \$27.6 million gain from investments, and a \$31.9 million recovery of the Society's defined benefit pension plan to a fully funded position.

Total revenues increased 5.0 percent to \$460 million from \$438 million in 2005, while total expenses increased 5.2 percent over 2005. During 2006, the Society increased its investment in information services by record levels to ensure ACS remains the world's leader in providing scientists online and Web access to chemistry-related research data. The Society also increased expenditures for information technology to provide continued support for the growing and diverse needs of the Society's many constituents, including members, technical divisions and local sections.

A copy of the Society's audited financial statements for the year ended December 31, 2006, together with the independent auditor's report thereon, and Management's Statement of Responsibility, can be located at <http://www.chemistry.org/2006financials.html>.

ACS executive compensation is available on <http://www.chemistry.org>. Log on with your chemistry.org member account, click on the Member Information link on the top left hand side of the screen. You will be directed to a page that contains Member Information and Benefits. Look for the link, "Compensation of ACS Officers and Key Employees."

FINANCIAL SUMMARY

(\$ in thousands)

	2006			2005
	ACS Programs	ACS Petroleum Research Fund	Total	Total
STATEMENT OF FINANCIAL POSITION				
ASSETS				
Cash and Cash Equivalents	\$ 60,812	\$ 7,162	\$ 67,974	\$ 64,863
Accounts and Pledges Receivable	52,964	31	52,995	45,010
Inventories	6,751	—	6,751	6,613
Investments	380,841	585,278	966,119	890,787
Interfund (Payable) Receivable	[8,998]	8,998	—	—
Collateral Held	39,336	32,762	72,098	54,750
Other	21,932	29	21,961	10,373
Buildings, Land, and Other Property	93,749	11	93,760	89,166
Total Assets	\$ 647,387	\$ 634,271	\$ 1,281,658	\$ 1,161,562
LIABILITIES AND NET ASSETS				
LIABILITIES				
Accrued Expenses and Accounts Payable	\$ 58,441	\$ 368	\$ 58,809	\$ 54,217
Deferred Revenues	101,473	—	101,473	98,764
Long-Term Debt	36,980	—	36,980	40,533
Postretirement Benefits and Other	52,707	10,525	63,232	86,058
Collateral Payable	39,336	32,762	72,098	54,750
Total Liabilities	288,937	43,655	332,592	334,322
NET ASSETS				
Unrestricted	312,326	—	312,326	240,808
Temporarily Restricted	24,615	518,116	542,731	493,814
Permanently Restricted	21,509	72,500	94,009	92,618
Total Net Assets	358,450	590,616	949,066	827,240
Total Liabilities and Net Assets	\$ 647,387	\$ 634,271	\$ 1,281,658	\$ 1,161,562
STATEMENT OF ACTIVITIES				
REVENUES				
Electronic Services	\$ 312,111	\$ —	\$ 312,111	\$ 286,729
Printed Services	47,081	—	47,081	54,383
Advertising	13,544	—	13,544	13,126
Dues	12,772	—	12,772	12,431
Registration Fees and Booth Sales	12,554	—	12,554	11,259
Member Insurance Premiums, Refunds, Fees	11,723	—	11,723	12,251
Investment Income	11,584	392	11,976	8,690
Other	7,269	—	7,269	9,113
Net Assets Released from Restriction	4,221	26,588	30,809	29,807
Total Unrestricted Revenues	432,859	26,980	459,839	437,789
EXPENSES				
Information Services	321,803	—	321,803	307,315
Member Programs and Services	39,448	—	39,448	38,267
Member Insurance Program	13,796	—	13,796	12,834
Grants and Awards	1,189	25,445	26,634	26,351
Administrative	36,874	1,535	38,409	35,655
Other	8,218	—	8,218	5,673
Total Expenses	421,328	26,980	448,308	426,095
Net Contribution	11,531	—	11,531	11,694
Net Investment Gains	27,637	—	27,637	21,392
Over (Under) Funded Pension and Other	32,350	—	32,350	[6,672]
Change in Unrestricted Net Assets	71,518	—	71,518	26,414
Contributions	2,804	1	2,805	4,499
Net Investment Gains	4,838	73,936	78,774	40,242
Net Assets Released From Restriction	[4,221]	[26,588]	[30,809]	[29,807]
Transfer of Net Assets	[204]	[258]	[462]	—
Change in Restricted Net Assets	3,217	47,091	50,308	14,934
Change in Total Net Assets	74,735	47,091	121,826	41,348
Beginning Total Net Assets	283,715	543,525	827,240	785,892
Ending Total Net Assets	\$ 358,450	\$ 590,616	\$ 949,066	\$ 827,240

THROUGH YOUR SUPPORT IN 2006

- The ACS Green Chemistry Institute worked with pharmaceutical leaders to identify some of the major green chemistry research challenges facing the industry. Your support helped fund a grant that will allow Jianliang Xiao, Ph.D., University of Liverpool, to address one of these concerns.
- ACS Scholar Erica Thorne became a process engineer. “I had no idea that the program would have such a great impact on my life—it helped me to afford my college tuition and also introduced me to PPG Industries, where I am employed today.”
- Project SEED student Marlena Konieczynska had the opportunity to work in a lab and “see chemistry from a totally new perspective—from the inside.”
- More than 1,000 teachers participated in Teacher Training workshops, where they learned ways to inspire the next generation to ask scientific questions and find research-based answers.

The American Chemical Society works to improve the world through many programs and has identified the following as fundraising priorities:

ACS Green Chemistry Institute promotes the implementation of green chemistry and engineering principles into all aspects of the chemical enterprise. To catalyze sustainability, ACS GCI supports research, works to integrate green chemistry into all levels of chemical education, aids companies with industrial implementation, hosts conferences and coordinates efforts with an international network of green chemistry advocates across government, industrial, academic and private sectors.

ACS Scholars Program provides underrepresented minority undergraduates with the scholarships and mentoring support that they need to earn degrees in the chemical sciences. This program is helping the chemical enterprise make the most of our nation’s diverse talent pool.

Project SEED gives bright, economically disadvantaged high school students the opportunity to spend a summer conducting chemical laboratory research with the guidance of a chemical scientist. Project SEED is inspiring many of these students to consider careers in the chemical sciences.

Teacher Training supports the professional development of science teachers so that they may better present chemistry in the classroom and foster the scientific curiosity of our nation’s youth.

You can support the American Chemical Society’s work to advance the future of chemistry in many ways:

- Outright gifts and pledges
- Securities and stocks
- Named endowment funds
- Estates and bequests
- Gift annuities
- In-kind goods and services
- Individual and corporate matching gifts
- Real estate
- Event sponsorship
- Memorials and tributes

For more information about supporting the American Chemical Society, please contact the Development Office at (202) 872-6210 or visit our website, www.chemistry.org/gifts.



ACS, HACH SCIENTIFIC FOUNDATION BOND BENEFITS STUDENTS

Some partnerships are pure chemistry. They combine together so well — like H_2O — that they can change the world. Take, for instance, the American Chemical Society-Hach Scientific Foundation Partnership for Chemistry Scholars.

Established in 2005, this joint effort is helping underrepresented and underprivileged students pursue careers in the chemical sciences. The Hach Scientific Foundation has contributed more than \$250,000 to the Partnership, which supports stipends, college scholarships and national meeting travel awards for students participating in Project SEED and the ACS Scholars Program. ACS administers the Partnership and screens the applicants. In just two years, the Partnership has supported more than 60 Project SEED students and ACS Scholars, with funding ranging up to \$5,000 annually.

The Hach Scientific Foundation was established in 1982 by Clifford Hach and Kathryn (Kitty) Hach-Darrow. Clifford Hach, an analytical chemist and respected inventor, loved chemistry and believed in its ability to improve people's lives. The proof was in his own work: by developing simple, economical equipment and chemicals to test water quality, he made a significant contribution to the safety of drinking water and to the health of millions worldwide.

But Clifford also was a visionary. He and his wife Kitty, who helped him found the Hach Company in 1947, foresaw the need for more and better-trained chemistry teachers in our nation's classrooms. To help meet this need, they established the Hach Scientific Foundation "to foster and support science education, and to make evident the interdependence between science education and the public." Today, the Foundation — now managed by their son, Bruce, and grandson, Bryce — provides more than 150 full-tuition scholarships annually to future chemistry teachers at land grant universities in all 50 states. The Foundation also provides support for professional chemists interested in teaching as a second career. By joining with the ACS, the Foundation is expanding its outreach to encourage the development of the next generation of American chemical scientists.

"Our partnership with ACS is working out exceedingly well," Bruce Hach says. "We are proud of what we have accomplished together and are committed to continuing this relationship, which has done so much to advance the chemical sciences and provide educational opportunities to economically disadvantaged students who might not otherwise be able to pursue scientific careers."

Top left photo (from left to right): Bryce Hach, Bruce Hach, Muriel Hach, and ACS-Hach Scholars Dean Stanley, Adrian Enriquez, and William Gaieck at the Past Presidents Dinner, Fall 2006.

2006 SUPPORT

The American Chemical Society appreciates the support it receives from members, corporations, foundations and others involved in the chemical enterprise.

ACS thanks the following donors for new gifts and pledges made during 2006. Individual donors are indicated in italics.

Donors of \$250,000 or more

Tides Foundation

Donors of \$100,000 - \$249,999

Alfred and Isabel Bader

Merck & Co., Inc.

Donors of \$50,000 - \$99,999

Eli Lilly and Company

Johnson Family Foundation

Massachusetts Institute of Technology

Pfizer Global Research & Development

Royal Society of Chemistry

Schering-Plough Foundation

Donors of \$25,000 - \$49,999

Madeleine Jacobs

DuPont Center for Collaborative Research and Education

Gesellschaft Deutscher Chemiker

GlaxoSmithKline

Procter & Gamble Beauty

Rohm and Haas Company

Schering-Plough Corporation

Xerox Corporation

Donors of \$10,000 - \$24,999

Robert W. Allington

Susan R. and Kenneth Fahrenholtz

AstraZeneca Pharmaceuticals LP

S. D. Bechtel, Jr. Foundation

Chevron Products Company

Consultative Group on Biological Diversity

Dow Corning Foundation

Honeywell

Johnson & Johnson

Lilly Research Laboratories

McGill University

Société de Chimie Industrielle (American Section)

Donors of \$5,000 - \$9,999

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Synthetic Organic Chemical Manufacturers Association

Univar Foundation

University of Pittsburgh

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Pamela J. Ayre

Brian A. Bernstein

Carlos G. Gutierrez

ACS Northeastern Section

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Bio-Cide International, Inc.

Chemtura Corporation

Innovation Point LLC

Novasep, Inc.

Perstorp Polyols, Inc.

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William F. Carroll Jr.

Ned D. Heindel

Ganesh Karunakaran

Kathleen Rae King

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