

American Chemical Society

# ANNUAL REPORT 2008

Welcome to the first ACS Annual Report produced specifically for online publication.

Why online? Why now? For the first time, all 154,000 ACS members will be able to review our annual accomplishments virtually instantaneously. This interactive experience is richer in content and more accessible. Online publishing also fits into our commitment to green chemistry and to finding sustainable solutions for our planet's global challenges.

The 2008 ACS Annual Report includes all of the features that you've come to expect in our traditional print format, including our officers' message, yearly highlights and financial summary.



Annual Report 2008  
**OFFICERS' MESSAGE**

## Introduction

### We may never see another year like 2008.

We have never seen such fluctuations in the world economy. The year started with the Dow Jones Industrial Average close to its record high. Gas prices rose rapidly, reaching record highs around the Fourth of July. Then multiple bubbles started to burst, and the global economy has been sorely tested since. The end of the year brought a U.S. presidential election that was closely watched around the world for a multitude of reasons.

The collapse in financial markets and ensuing dramatic downturn in world economies in the latter half of 2008 eroded consumer confidence, sapped buying power, and led to drastic cutbacks by virtually every chemical, biotech and pharmaceutical company. Universities and colleges, on which we rely to educate the coming generation of chemical scientists, weren't immune either. As state revenues and endowments dropped, hiring of new faculty was frozen and many part-time adjunct professors and lecturers were laid off.



**Bruce E. Bursten**  
ACS President  
2008



**Judith L. Benham**  
Chair  
Board of Directors



**Madeleine Jacobs**  
Executive Director  
& CEO

As a nation, as a professional Society and as chemists, we haven't faced a crisis like this since perhaps the Great Depression. During the Depression and in the 12 recessionary periods that have followed it over the past 75 years, the American Chemical Society has risen to the challenge every time: helping its members emerge stronger and better prepared to improve people's lives through the transforming power of chemistry.

Now, as we yet again face a time of great economic uncertainty, we are here for our members.

Now more than ever, ACS offers resources, programs and services that can make a difference. Now more than ever, ACS binds our scientific community together in a common cause. Now more than ever, ACS is Chemistry for Life™.

## Going Forward

Despite the economic and financial challenges, ACS finished the year with strong revenues from its two publishing divisions, Chemical Abstracts Service and ACS Publications, a testament to the value that the global scientific community places on accurate, timely, and authoritative chemical information. These revenues, coupled with prudent expense management, enabled ACS to end the year with strong core operational results for the fifth consecutive year. However, in 2008 ACS was adversely affected by the historic collapse in the capital markets, which resulted in a sharp decline in the Society's reserves.

Going forward, ACS will be guided by a plan that is due, in part, to foresight by the ACS Board of Directors, which realized some time ago that the Society needed a strategy to deal with a number of emerging challenges and opportunities. These include the effects of globalization, stagnant funding for research and development, the lack of understanding of chemistry by the public, the impact of technology on our science, changes to membership demographics, and societal changes.

## OFFICERS' MESSAGE

In response, the Board developed a plan that will help guide the Society through a rapidly changing environment and ensure its continued success. Launched in January 2008 and updated late in the year, *The ACS Strategic Plan for 2009 and Beyond* outlines six primary goals for the Society:

- To provide indispensable professional and information resources,
- To engage the global community,
- To find solutions to world challenges,
- To communicate the value of chemistry,
- To advocate for the profession, and
- To maintain the Society's financial health.

In just its first 12 months, this strategic plan has helped the Society to extend its worldwide community, enlist chemists in addressing the world's important challenges, reinvigorate its image, stay financially secure, and remain the leading professional resource for our members and our science.

In addition to initiating a vibrant strategic plan, 2008 was a year of ACS progress, accomplishments and milestones. CAS (*see page 5*) and ACS Publications (*see page 6*), in particular, turned in outstanding performances.

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## Lasting Legacy

### ACS President Bursten leaves lasting legacy

ACS President Bruce E. Bursten had a productive year, promoting the importance of education and more effectively communicating the beauty, value and centrality of chemistry to policymakers and the public. (*See page 7 & 8.*)

In addition to traveling the world, representing ACS at conferences and meetings in China, Italy, Norway and a host of other countries, President Bursten initiated efforts that led to the establishment of the ACS Fellows Program.

Near the end of his term, he joined national leaders in politics, business, research and education, including U.S. House Speaker Nancy Pelosi, at a summit at Princeton University, which explored ways to renew America's commitment to science and technology. Such an effort, the panelists concluded, may be the best long-term cure for the nation's ailing economy.

ACS President-Elect Thomas H. Lane plans to build on President Bursten's legacy, particularly stressing the importance of education and science literacy, as well as forging relationships in our communities that help put a human face on chemistry.

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## Now More Than Ever

### Now more than ever, the future is ours

As you browse through this report you'll notice it is different. It isn't just about what we accomplished as a Society in 2008. It's about the future.

Specifically, it's about the programs and services that, now more than ever, can help our members enhance their skills and abilities so they can contribute more to the chemistry enterprise in the 21st century. Go to [www.acs.org/now](http://www.acs.org/now) where you'll discover dozens of exciting ACS resources that offer opportuni-

ties for growth including networking, community outreach, career tools and professional development, career services, Web-based information gathering and much, much more.

Some of these tools and resources have been around for a long time – ACS Career Services got its start more than 70 years ago. Others are recent additions, including:

- The ACS Network kicked off in August 2008. With more than 17,000 users worldwide and growing, the Network is a premier online forum for chem-

# OFFICERS' MESSAGE

ists and other scientists to find colleagues and share ideas as well as content with them.

- Through a collaborative partnership with Harvard Business Publishing, ACS now offers a suite of 42 introductory online business and management skills courses at substantially discounted rates for members and reduced rates for the unemployed.
- The ACS Leadership Institute debuted in January 2009, in Fort Worth, Texas, where, for the first time, delegates received comprehensive leadership training. Leadership courses were also offered at six of the 2008 Regional Meetings.
- ACS Careers Blog features weekly career advice articles written by ACS members and staff. Since it began in late 2007, more than 40,000 people have viewed the blog.
- As an additional enhancement to the careers portfolio, ACS began a series of monthly teleconferences in 2008 featuring luminaries from the chemical industry speaking about economic and other trends affecting employment.
- “Just Accepted,” a new pilot program, gives authors publishing research in *ACS Chemical Biology*, *Biochemistry*, *Journal of Proteome Research*, and *Molecular Pharmaceutics* the option of having their accepted, unredacted manuscripts published online within three days of acceptance. “Just Accepted” allows the Society to deliver journal content online up to seven weeks faster than in the past.
- Common Chemistry™, a Web-based free access resource, provides accurate and authoritative CAS Registry Numbers and associated substance data for some 7,800 substances of widespread, general public interest. Common Chemistry™ can be searched free of charge and includes reciprocal links to related chemical information on Wikipedia.

But no matter if they are new or well established; the benefits offered by the ACS have one thing in

common: they are robust, relevant and readily available for all of our members to use.

## Now more than ever, ACS matters

As we looked back at the past year and contemplated the Society's future, we took a moment to consider another time, another place. And there we found solace...

Seventy five years ago — in the depths of the Depression — an ACS member wrote about his internal struggle over whether to renew his membership.

Initially, he leaned against it, arguing to himself that he was a busy man who knew all he needed to know about chemistry. And besides, in those hard times why should he pay for what he isn't going to use?

But then, he asked himself, how can I possibly get ahead in my career if I don't have access to all that ACS offers? How will I maintain my status among my peers? How will I stay current on scientific advances?

Like all good scientists, the chemist carefully analyzed the empirical data before reaching a rational decision. And in the end, he renewed, concluding:

“Henceforth, when wakefulness haunts me in the early hours of the morning and I wonder if all of my research has counted for naught, I will turn over to pleasant dreams, happy in the thought that as a member of the American Chemical Society I have made one unquestionable contribution to science.”

As we yet again face tough times, the Society is steadfast in its support of our membership.

Now more than ever, ACS and its members are making unquestionable contributions to science. Now more than ever, ACS offers a comprehensive array of vital resources and compelling programs. Now more than ever, ACS matters.

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### CAS Soars to New Heights

In 2008, CAS database content grew to unprecedented levels with the addition of more than 1.2 million indexed document records to CAplus<sup>SM</sup>, an all-time high, plus more than 8 million records for organic and inorganic substances to the CAS REGISTRY<sup>SM</sup>. In addition, 1.1 million records were added for sequences.

CAS REGISTRY<sup>SM</sup> now includes more than 41 million organic and inorganic substances. Citations associated with document records in CAplus<sup>SM</sup> grew to more than 220 million during 2008.

In CAS databases, researchers can now explore the largest collection of disclosed chemical synthesis information. This incorporates 29 million preparations, including more than 16 million single- and multi-step reactions from 1840 to the present.

On November 21, 2008, CAS achieved a significant milestone. It assigned its 40 millionth CAS Registry Number<sup>®</sup> (CAS RN) for organic and inorganic substances: CAS RN 1073662-18-6 for an azulobenzofuran derivative. The phenomenal growth of the CAS REGISTRY<sup>SM</sup> database has been aided by CAS' addition of records for more than one million substances from Web sources that meet CAS' substance registration criteria, and more than 3.75 million prophetics from patents.

Also in November, CAS offered a new Web version of SciFinder<sup>®</sup> with enhanced features, including powerful Refine capability, additional options to Combine Answer Sets, and one-click linking to users' favorite SciFinder<sup>®</sup> answers.

SciFinder<sup>®</sup> was adopted by a growing number of educational institutions and remained the leading scientific research tool for academia. For the ninth consecutive year, growth exceeded 100 additional subscribers, reaching 1,571 by year end.

CAS now guarantees within 14 days from date of publication the availability of Korean, Chinese and Indian patent bibliographic data and abstracts in CAplus<sup>SM</sup>. ChemPort<sup>®</sup> now provides links to full-text Korean patents through KIPRIS and to Chinese patents through SIPO.

In December, CAS released a beta version of Common Chemistry<sup>™</sup>, a Web-based free access resource providing accurate and authoritative CAS Registry Number<sup>®</sup> and associated substance data for some 7,800 substances of widespread, general public interest. Common Chemistry<sup>™</sup> can be searched free of charge and includes reciprocal links to related chemical information on Wikipedia.

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## ACS Publications Shine in 2008

ACS Publications turned in an impressive performance in 2008. Our journals published 33,695 articles, exceeding more than 30,000 articles published for the second consecutive year. This represents a 7.3 percent increase from 2007.

By year-end, researchers downloaded more than 63 million HTML or PDF full text articles, a 10.5 percent increase in just 12 months. This rate of growth reinforces the Society's commitment to present our online journals as the versions of record and to support a new Value-Based Pricing plan.

For the year, our peer-reviewed journals ranked first in Thomson Reuters ISI® Impact Factors and/or Total Citations, for 15 of the 26 ISI® subjects in which ACS journals are indexed. Among the highlights in this area:

- *The Journal of the American Chemical Society* reached new heights with the most recent Thomson Reuters ISI® Impact Factors reported in mid-2008 for the period ending the prior year. In 2007, JACS posted a record 295,465 total citations and its highest ISI® Impact Factor ever (7.885).
- In total, ACS journals exceeded 1.36 million total citations in 2007 – a 10.3 percent increase from 2006.
- ACS titles garnered 15.3 percent of the 8.9 million total citations from across the 26 ISI® categories that cover ACS journals. (ACS journals represent just 2 percent of the total 1,924 chemistry titles within those same ISI® subject categories.)

- ACS journals accounted for 36 percent of the 3.06 million total citations across the seven core chemistry categories. (ACS journals represent just 6 percent or 27 of 446 titles indexed in those core chemistry categories.)

*Chemical & Engineering News* (C&EN) launched an electronic edition of the magazine for ACS members living outside of North America. The electronic edition is a complete, cover-to-cover facsimile of the printed edition delivered over the Web. ACS will make the electronic edition an environmentally friendly option for all ACS members in 2009.

ACS Publications also developed new dynamic online features to improve its Web presence. These include new home pages for all ACS journals, enriched tables of contents and advanced search features. This new resource was recognized as the Best eProduct/Website or Platform by the Professional and Scholarly Publishing Division of the Association of American Publishers.

In addition, the Association of American Publishers recognized *ACS Nano* as the Best New Journal in the science/technology/medicine category.

The Society also finalized plans for the launch of two new publications — *ACS Applied Materials and Interfaces* and *ACS e-Books* — in 2009, as well as the debut of the *Journal of Physical Chemistry Letters* in 2010.

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### ACS President Bruce E. Bursten Makes a Difference

2008 was a memorable and productive year for ACS President Bruce E. Bursten. His overarching theme this past year was “The Centrality of Chemistry,” an opportunity to celebrate our science and our practitioners, and to raise the awareness of the importance of chemistry in education, society, and technology.

Early in the year, Dr. Bursten formed a presidential task force, which explored the feasibility of creating a program about which he was particularly passionate: the ACS Fellows Program. In December, the ACS Board of Directors voted unanimously to establish the program for an initial period of three years, beginning in 2009.

The goal of this new program is “to recognize members of the American Chemical Society for outstanding achievements in and contributions to science, the profession, and the Society.” Dr. Bursten envisioned a Fellows Program as one way in which the ACS could acknowledge the excellence of ACS members, especially to those outside of our Society. The program will honor those members who have contributed in two defined areas: Excellence in Science/Profession and Outstanding Service to ACS. About 160 ACS members will be selected as Fellows during the first year of the program.

Also in December, President Bursten had the opportunity to highlight the centrality of chemistry at a summit at Princeton University convened by House Speaker Nancy Pelosi. The summit focused on ways in which investment in the physical sciences and energy research could be used to move our nation forward out of its economic slump. Other participants included the President of Princeton University, five congressional representatives in addition to Speaker Pelosi, and leaders from industry, government and academe. That ACS was the only scientific society represented at this select gathering of 22 leaders is a testament to

a successful four-year strategy to transform ACS policy priorities into a compelling message that science is the engine that powers the U.S. economy.

Dr. Bursten spent much of his ACS presidential year representing the Society at conferences and meetings in Europe, Asia, Canada and Latin America, as well as numerous meetings and events in the US. In July, he met with the Council of the Royal Society of Chemistry in London, helping to lay the groundwork for new joint ventures with our colleagues in the United Kingdom. Later that month, he and Chinese Chemical Society President, Professor Chunli Bai, in conjunction with the ACS Office of International Activities, launched a Chinese version of *ACS Chemistry in Context* in Dalian, China. He represented our Society at important “umbrella” meetings of other global chemical societies, including the Assembly of the European Chemical and Molecular Societies (EuChemS) in Norway and the Federation of Latin American Chemical Societies (FLAQ) in Puerto Rico.

#### Other 2008 Achievements

Other notable ACS achievements in Dr. Bursten's presidential year included:

- Nearly 30,000 people participated in two ACS national meetings and expositions, which featured more than 17,000 technical presentations, products, and services from nearly 2,700 exhibitors. About 3,000 attendees participated in the eight ACS Regional Meetings in 2008.
- The ACS Petroleum Research Fund, one of the nation's largest private philanthropies, awarded more than \$23 million in grants supporting energy-related research and scientific education.
- In celebration of the 40th anniversary of Project SEED, the Society raised more than \$1 million in support of this important program, which provides economically disadvantaged high school

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students a summer of paid laboratory research under the guidance of a chemical scientist.

- Late in 2008, the Hach Scientific Foundation agreed to transfer its assets, estimated to be \$33 million, to ACS. In exchange, the Society agreed to carry out the Foundation's primary mission: supporting future teachers of science at land-grant educational institutions. The Hach family chose ACS because it "represents permanence and stability, and it truly embraces chemistry on a national level."
- To help correct disappointing fiscal year 2009 appropriations for key federal agencies, ACS engaged in six months of concentrated advocacy with Legislative Action Network members producing more than 5,000 letters and 800 phone calls, the Board visiting more than 25 congressional offices, and ACS President

Bursten writing five letters to national leaders. ACS efforts, in concert with its allied organizations, resulted in \$400 million of additional supplemental funding for the National Science Foundation, Department of Energy, the National Institutes of Health and other agencies, as well as quadrupled funding for an important NSF recruitment program for science teachers.

As his presidential year culminated, Dr. Bursten collaborated with ACS Board Chair Judith L. Benham and President-Elect Thomas H. Lane to address another of his passions: improving science and chemistry education. Drs. Bursten, Benham, and Lane established the Board-Presidential Task Force on Education, charged with proposing mechanisms to improve science education for which ACS is uniquely positioned to contribute.



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FINANCIALS

## Financial Highlights 2008

Despite a sharp downturn in the global economy, the Society ended 2008 with solid operating results. As noted in the accompanying financial summary, total revenues increased 2.3 percent to \$498 million from \$487 million in 2007, while total expenses increased 2.7 percent over 2007. The \$8.9 million net contribution resulted primarily from strong growth in electronic services from the Chemical Abstracts Service (CAS) and ACS Publications divisions, combined with prudent expense management across all operating units.

ACS continued to serve its members and the scientific enterprise worldwide during 2008. Accomplishments include record additions to the CAS databases, introduction of SciFinder® on the Web and the electronic edition of *Chemical & Engineering News*, and the launch of a new journal, *ACS Applied Materials & Interfaces*.

Though the Society's operating results were positive, ACS experienced a significant decline in net assets due to investment losses and non-operating charges related to the Society's defined benefit pension plan. Overall, the Society's total net assets fell from \$900 million at December 31, 2007, to \$519 million by year-end 2008. The decline in net assets was directly related to an historic collapse in the global capital markets. In fact, the extraordinary turmoil in the capital markets led to the worst investment returns since the Great Depression. While the 2008 investment results were disappointing, through effective planning and strong operating performance over several years, ACS ended the year financially sound with significant cash balances and minimal debt.

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*Information on ACS executive compensation is available on [www.acs.org](http://www.acs.org). Log on as a member, click on the ACS member tab and look for the link, "Compensation of ACS Officers and Key Employees," under "Member Information and Benefits."*

*A copy of the Society's audited financial statements for the year ended December 31, 2008, together with the independent auditor's report thereon, and Management's Statement of Responsibility, can be located at <http://www.acs.org/2008financialstatements>.*

# FINANCIALS

## Financial Summary

(\$ in thousands)

### Statement of Financial Position

#### ASSETS

	2008		2007	
	ACS Programs	Petroleum Research Fund	Total	Total
Cash and Cash Equivalents	\$ 28,958	\$ 1,314	\$ 30,272	\$ 59,409
Accounts and Pledges Receivable	62,158	-	62,158	71,363
Inventories	7,899	-	7,899	7,022
Investments	321,489	388,568	710,057	1,000,004
Interfund (Payable) Receivable	(13,510)	13,510	-	-
Collateral Held	17,230	41,787	59,017	67,858
Other	12,504	22	12,526	12,783
Buildings, Land, and Other Property	109,106	3	109,109	101,136
<b>Total Assets</b>	<b>\$ 545,834</b>	<b>\$ 445,204</b>	<b>\$ 991,038</b>	<b>\$ 1,319,575</b>

#### LIABILITIES AND NET ASSETS

#### LIABILITIES

Accrued Expenses and Accounts Payable	\$ 62,379	\$ 88	\$ 62,467	\$ 57,748
Deferred Revenues	99,320	-	99,320	113,204
Long-Term Debt	29,316	-	29,316	33,245
Postretirement Benefits and Other	210,478	11,671	222,149	147,253
Collateral Payable	17,230	41,787	59,017	67,858
<b>Total Liabilities</b>	<b>418,723</b>	<b>53,546</b>	<b>472,269</b>	<b>419,308</b>

#### NET ASSETS

Unrestricted	89,711	-	89,711	247,406
Temporarily Restricted	17,964	319,158	337,122	558,056
Permanently Restricted	19,436	72,500	91,936	94,805
<b>Total Net Assets</b>	<b>127,111</b>	<b>391,658</b>	<b>518,769</b>	<b>900,267</b>
<b>Total Liabilities and Net Assets</b>	<b>\$ 545,834</b>	<b>\$ 445,204</b>	<b>\$ 991,038</b>	<b>\$ 1,319,575</b>

### Statement of Activities

#### REVENUES

Electronic Services	\$ 359,356	\$ -	\$ 359,356	\$ 335,305
Printed Services	34,684	-	34,684	43,592
Advertising	12,329	-	12,329	13,663
Dues	12,643	-	12,643	12,407
Registration Fees and Booth Sales	11,619	6	11,625	12,277
Member Insurance Premiums	13,599	-	13,599	14,626
Investment Income	12,454	474	12,928	13,314
Other	7,470	-	7,470	7,491
Net Assets Released from Restriction	4,663	28,789	33,452	34,391
<b>Total Unrestricted Revenues</b>	<b>\$ 468,817</b>	<b>\$ 29,269</b>	<b>\$ 498,086</b>	<b>\$ 487,066</b>

#### EXPENSES

Information Services	351,435	-	351,435	336,680
Member Programs and Services	40,838	-	40,838	41,530
Member Insurance Program	14,732	-	14,732	14,268
Grants and Awards	2,515	27,215	29,730	31,169
Administrative	40,180	2,054	42,234	42,245
Other	10,192	-	10,192	10,431
<b>Total Expenses</b>	<b>459,892</b>	<b>29,269</b>	<b>489,161</b>	<b>476,323</b>
<b>Net Contribution</b>	<b>8,925</b>	<b>-</b>	<b>8,925</b>	<b>10,743</b>
Net Investment Gains / (Losses)	(91,685)	-	(91,685)	13,835
Under Funded Pension and Other	(70,825)	-	(70,825)	-
Cumulative Effect of the Adoption of FAS 158	(4,110)	-	(4,110)	(89,498)
<b>Change in Unrestricted Net Assets</b>	<b>(157,695)</b>	<b>-</b>	<b>(157,695)</b>	<b>(64,920)</b>
Contributions	3,347	-	3,347	3,075
Net Investment Gains / (Losses)	(10,339)	(183,419)	(193,758)	47,473
Net Assets Released From Restriction	(4,663)	(28,789)	(33,452)	(34,391)
Other	348	(288)	60	(36)
<b>Change in Restricted Net Assets</b>	<b>(11,307)</b>	<b>(212,496)</b>	<b>(223,803)</b>	<b>16,121</b>
Change in Total Net Assets	(169,002)	(212,496)	(381,498)	(48,799)
Beginning Total Net Assets	296,113	604,154	900,267	949,066
<b>Ending Total Net Assets</b>	<b>\$ 127,111</b>	<b>\$ 391,658</b>	<b>\$ 518,769</b>	<b>\$ 900,267</b>

# FINANCIALS

## Member Status & Allocation of Dues

The American Chemical Society is a non-profit organization with a multidisciplinary membership of more than 154,000 chemists and chemical engineers.

### 2008 Allocation of Dues

(\$ in Thousands)		
C&EN	\$ 5,342	34.4%
Support for Society Programs	4,624	29.8%
Member Services	2,500	16.1%
Local Section Allotments	1,732	11.2%
Division Allotments	1,317	8.5%
<b>Total</b>	<b>\$ 15,515</b>	<b>100.0%</b>

Excluding the impact of Local Section and Division Allotments and adding Student Affiliate Dues of \$177,000, 2008 dues revenue totaled \$12,643,000 as reported on the Financial Summary.

### Membership Status\*

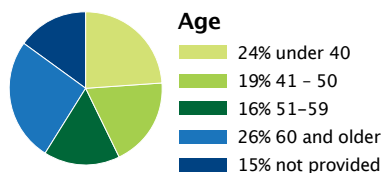
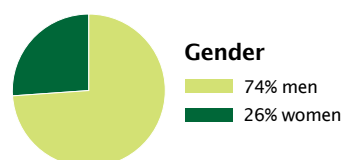
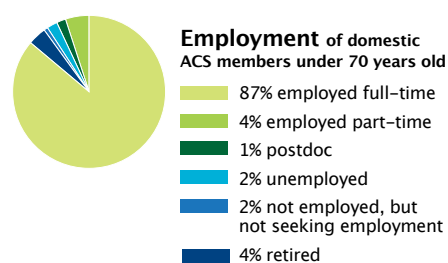
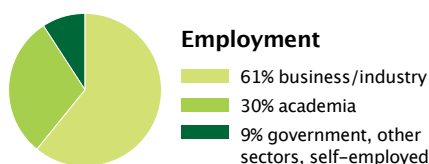
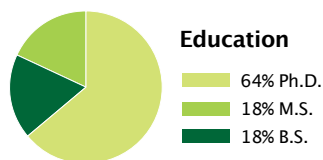
Year-End 2008	
Associate Member	2,704
Associate Student Member	1,536
Emeritus Member	14,263
Regular Member	110,720
Regular Student Member	16,092
Retired Member	6,366
Society Affiliate	1,282
Unemployed Members	1,061
<b>Total</b>	<b>154,024</b>

\* Source: ACS Demographics

### 2008 Division Year-End Membership Summary

Division Name	Division Total
Agricultural & Food Chemistry Division	2,748
Agrochemicals Division	1,343
Analytical Chemistry Division	9,626
Biochemical Technology Division	3,097
Biological Chemistry Division	6,494
Business Development & Management Division	1,113
Carbohydrate Chemistry Division	835
Cellulose & Renewable Materials Division	968
Chemical Education Division	5,315
Chemical Health & Safety Division	1,420
Chemical Information Division	1,367
Chemical Technicians Division	509
Chemical Toxicology Division	1,085
Chemistry & the Law Division	1,177
Colloid & Surface Chemistry Division	2,723
Computers in Chemistry Division	2,335
Environmental Chemistry Division	4,952
Fluorine Chemistry Division	664
Fuel Chemistry Division	1,324
Geochemistry Division	704
History of Chemistry Division	770
Industrial & Engineering Chemistry Division	3,179
Inorganic Chemistry Division	6,260
Medicinal Chemistry Division	10,226
Nuclear Chemistry Division	836
Organic Chemistry Division	17,090
Petroleum Chemistry Division	1,358
Physical Chemistry Division	5,560
Polymer Chemistry Division	6,148
Polymeric Materials Science & Engineering Division	5,055
Professional Relations Division	740
Rubber Division	1,724
Small Chemical Businesses Division	624
<b>Total</b>	<b>109,369</b>

### ACS Members in the Workplace



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**2008 HIGHLIGHTS**

## 2008 Highlights

2008 was a year of great achievement for the American Chemical Society. We are very pleased to present a summary of some of the highlights from the year, submitted by the ACS operating units and organized around the Society's six strategic goals. These selected accomplishments were achieved through a robust partnership of American Chemical Society members, governance, and staff, often in partnership with other organizations. Go to <http://www.acs.org/acshighlights> to download the complete PDF.

## ACS By The Numbers

### 200 billion

Estimated minimum number of stars in the Milky Way galaxy.

### 50,000,000,000,000,000

Estimated number of submicron particles in 500 grams of acrylic emulsion. The process was one of four scientific achievements designated as National Historic Chemical Landmarks in 2008.

### 64

Number of National Historic Chemical Landmarks designated by the ACS since 1993.

### 4,004

ACS membership in 1908.

### 154,000 +

ACS membership as of Dec. 31, 2008

### 400

Attendance at 1908 ACS National Meeting in Baltimore.

### 30,000

Combined attendance at 2008 ACS National Meetings in New Orleans and Philadelphia.

### 189

Number of employers participating in career fairs at 2008 ACS National Meetings.

### 1,320

Number of job openings available through employers at those meetings.

### 138

Number of ACS-chartered high school chemistry clubs.

### 11,000

Number of chemical abstracts in CAS Registry<sup>SM</sup> in 1907.

### 41 million

Total number of chemical abstracts in CAS Registry in 2008.

### 33,695

Number of articles published in ACS peer-reviewed journals in 2008.

### 63 million

ACS journal articles downloaded by researchers from [www.acs.org](http://www.acs.org).

### 100

Percentage of ACS' 34 peer-reviewed journals that received news coverage in 2008.

### 298 million

Verified worldwide audience for those news items.

### 1

Rank of the 34 ACS peer-reviewed journals in citations and/or Impact Factor in seven ISI<sup>®</sup> chemistry categories.

### 3 in 4

Odds that a peer-reviewed ACS journal achieved its highest Impact Factor ever in 2008.

### 150,000 +

Downloads of ACS podcasts in 2008.

### 42

Introductory online business and management courses offered to ACS members in collaboration with Harvard Business Publishing in 2008.

### 12,888

Bachelor's degrees earned by students in ACS-approved chemistry programs in 2006-07, an all-time high.

### 2,462

Doctorates earned by students in ACS-approved chemistry programs during that time, also a record.

### 24,902

Circumference of the Earth, in miles at the equator.

### 32,100

Miles driven by ACS volunteers participating in the 2008 ACS Speaker Service Tour.

### 11,991

Letters sent in 2008 by ACS members to Congress in support of science issues through the Legislative Action Network.

### 2,400

ACS members who joined the Legislative Action Network in 2008 (total is now more than 17,000).

### 15

Number of new Government Affairs Committees formed in ACS local sections.

### 14

Science & the Congress briefings held on Capitol Hill to educate lawmakers and their staff about science issues.

### \$400 million

Amount of additional federal funding for science programs in the Emergency Supplemental spending bill passed by Congress in September.

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