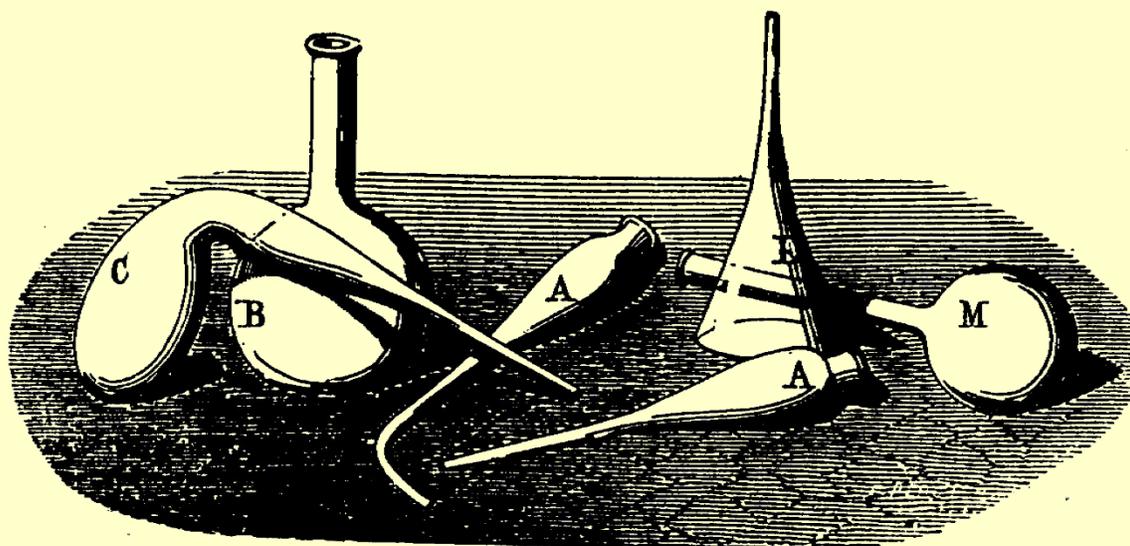




ACS
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American Chemical Society
**DIVISION OF THE
HISTORY OF CHEMISTRY**



NEWSLETTER

250th ACS National Meeting
Boston, MA
August 16-20, 2015

S. C. Rasmussen, Program Chair

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Mission Statement

The Division of the History of Chemistry ([HIST](#)) of the American Chemical Society (ACS) seeks to advance knowledge and appreciation of the history of the chemical sciences among chemists, students, historians of science, and the broader public by

- Encouraging research and scholarship in history of the chemical sciences;
- Providing a welcoming environment for the discussion of history of chemistry in a variety of venues, particularly in symposia at national ACS meetings;
- Serving as a resource for chemical scientists in general, and members of the ACS in particular, who seek to understand the roots of their discipline, sub-discipline, or interdisciplinary subject;
- Recognizing major achievements from the past in the chemical sciences and the individuals who made those achievements;
- Publishing a scholarly journal in history of chemistry;
- Interacting with other organizations interested in the history of science; and
- Adding value to the ACS by helping it achieve its vision and missions.

Division Governance

Message from the HIST Division Chair

2015 has been an interesting year. Last year we had a very successful membership drive, driven by the generosity of Mary Virginia Orna. Thus, we were surprised when the powers that be at ACS decided to reduce the number of councilors from HIST from 2 to 1. After a considerable number of challenges by Vera Mainz, they relented and acknowledged our new members. Congratulations to Mary Virginia and Vera!

When the MPPG group is thinking about whom to ask to develop symposia in line with the chosen topic, HIST is high on their list. They even chose to co-opt one of our symposia for Boston: Roger Egolf's effort called "Fifty Years of Innovation: The Legacy of the Westheimer Report." In spite of ACS publicity to the contrary, this is Roger's Symposium and it will be held on Tuesday morning. HIST is also the organizer of the MPPG symposium for San Diego on "A History of Computers in Chemistry."

The HIST Award in the History of Chemistry continues to attract outstanding world leaders in chemical history. The winner for 2015 is Christoph Meinel from the University of Regensburg. In order to facilitate the administration of the award in the future, the committee has been expanded to five members: three former winners, the past HIST Chair, and a person named by the current HIST Chair. The criterion for the Award is simply: the best historian of chemistry never to have won the award. Let's keep up the great choices!

HIST is also reaching out to the CHED Division with a workshop for high school chemistry teachers for the Philadelphia ACS Meeting in 2016. The two divisions were founded by the same people, and history is central to the teaching of chemistry. HIST continues to be active in the IPG game. Jeff Seaman won the first IPG for this year for a project to digitize some of the remarkable films created by members of the Organic Division. The teacher workshop is our submission for the second round.

HIST is the friendliest of all the divisions and I encourage all members to attend ACS meetings and enjoy the great programming and convivial company.

Gary Patterson, HIST Chair



Report of Councilors, Division of the History of Chemistry

249th ACS National Meeting – Denver, CO; March 25, 2015

Election Results

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2016: G. Bryan Balazs, Allison A. Campbell, David J. Lohse, and Christopher J. Welch. By electronic ballot, the Council selected **G. Bryan Balazs** and **Allison A. Campbell** as candidates for 2016 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

The Committee on Nominations and Elections announced the results of the election to select candidates from the list of nominees to serve as Directors from District I and District V on the Board of Directors for the term 2016-2018. By internet ballot, the Councilors from these districts selected **Thomas R. Gilbert** and **Laura E. Pence** as **District I candidates**; and **John E. Adams** and **Kenneth V. Fivizzani** as **District V candidates**. Ballots will be distributed on October 2, 2015 to all ACS members in District I and District V for election of a Director from each District.

Candidates for Directors-at-Large

The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for 2016-2018 terms: **Willem R. Leenstra**, **Ingrid Montes**, **Mary Jo Ondrechen**, and **Thomas W. Smith**. The election of two Directors-at-Large from among those candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to the Council on October 2, 2015.

Committee Continuance

As part of a regular performance review, the Council voted unanimously to continue the Committees on Ethics and on Science. Continuation of the Committee on Science also requires Board concurrence.

2016 Member Dues

The Council voted to set the member dues for 2016 at the fully escalated rate of \$162. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

National Meeting Long-Range Financial Plan

Following a discussion on the revenue supporting National Meetings, the ACS Council respectfully requested that the Board of Directors delay the implementation of the technical meeting additional fee to the meeting registration fee, until the Board presents an analysis (preferably at the Boston national meeting) of the projected break even fee, including and excluding the net revenue from the National Meeting Exposition.

New International Chemical Sciences Chapters

On recommendation of the Committee on International Activities and subject to the concurrence of the Board of Directors, the Council voted to approve petitions to charter the India International Chemical Sciences Chapter and the Taiwan International Chemical Sciences Chapter.

Reports of Elected Committees (Highlights)

Council Policy (CPC)

As required by the Society's Bylaws, CPC has set the divisors which will be used to determine how many Councilors each Local Section and Division is entitled for 2016-2019. Official notification will be sent to Local Sections and Divisions within two weeks of the Council meeting, well in advance of the Bylaws required May 1 deadline, in order to accommodate the units' conduct of their elections in 2015. CPC's Long Range Planning Subcommittee is forming a task force to consider whether changes are in order for the calculations and policies, and to implement any recommendations in time for the 2020 election cycle.

In its continuing efforts to assist the Society in finding ways to reduce expenses, CPC is considering alternatives to reduce the printing and mailing costs of the Council Agenda. CPC will be conducting surveys to evaluate potential strategies.

Committees (ConC)

All Councilors, including new Councilors, are reminded to complete their online committee preference form for 2015, during the period March 30 – June 5, 2015 at <https://www.yellowbook.acs.org> (log in required).

Nominations and Elections (N&E)

The committee introduced the candidates for Directors-at-Large, 2016-2018: Willem R. Leenstra (Green Mountain Section), Ingrid Montes (Puerto Rico Section), Mary Jo Ondrechen (Northeastern Section), and Thomas W. Smith (Rochester Section).

N&E solicits Councilors' input of qualified individuals for President-Elect and/or Directors for future consideration. Suggestions may be sent to nomelect@acs.org.

Reports of Society Committees and Committee on Science (Highlights)

Budget and Finance (B&F)

In 2014, ACS generated a Net from Operations of \$17.9 million, which was \$4.2 million favorable to budget. Total expenses were \$499.0 million, \$0.7 million or 0.1 percent higher than budget. Expenses ended the year at \$481.1 million, \$3.5 million favorable to the budget. This variance was largely attributable to a continued emphasis on expense management across the Society. Despite favorable operating results, the Society's financial position weakened in 2014, with Unrestricted Net Assets declining \$62.3 million, to \$144.7 million at year-end.

Additional information can be found at www.acs.org, at bottom, click 'About ACS', then 'ACS Financial Information'. There you will find several years of the Society's audited financial statements and IRS 990 filings.

Education (SOCED)

SOCED reported that more than 1,900 individuals have joined the [American Association of Chemistry Teachers \(AACT\)](#) which launched last year, 88 percent of whom are K-12 teachers of chemistry. The Dow Chemical Company was announced as the Sole Founding Partner of AACT with a gift of \$1 million.

Science (ComSci)

ComSci has collaborated with several ACS committees to develop five public policy statements which were approved by the Board in December 2014. More recently ComSci led the development of a new draft ACS policy statement on hydraulic fracturing, which will be considered by the Board. Current collaborations include revising ACS policy

statements on energy, climate change and forensic science.

Reports of Standing Committees (Highlights)

Committee on Meetings and Expositions (M&E)

M&E recommends that the Early Member Registration Fee for 2016 national meetings be \$415, per the National Meeting Long-Range Financial Plan.

As part of the continuing ACS sustainability effort and to encourage the use of the ACS mobile app and online program, M&E has decided to discontinue free distribution of the hard copy program book starting in 2016. Those who preregister for the meeting may purchase a copy of the program book for \$10 (pick up on site), and copies will be available at the meeting for \$20. The PDF version of the national meeting program will be more prominently displayed on the ACS website for those who would like to print portions for themselves.

M&E reported on the attendance as of Tuesday evening, March 24: **13940**.

Committee on Divisional Activities (DAC)

DAC voted to fund ten Innovative Project Grants (IPG) totaling \$54,000. The committee will consider another set of IPG proposals during the Boston National Meeting in August, 2015; the deadline for that round of submissions in July 1, 2015.

National meeting attendees were recently surveyed for their views on the Society's policy governing the use of devices to capture and/or disseminate content delivered at our meetings. While expressing support for the policy, the respondents also expressed interest in amending the current policy to permit presenters – at their discretion – to authorize audience members to capture and disseminate content.

Committee on Local Section Activities (LSAC)

LSAC awarded 15 Innovative Project Grants for a total of \$38,389, and is continuing to offer a mini-grant to Local Sections that attended the 2015 Leadership Institute to partner with neighboring sections to host an activity that would bring value to all members in a specific region. The committee is also planning to fund 16 grants totaling \$4000 for the Bridging the Gap: Teachers of Chemistry K-12 Nano-Grants. More information about all LSAC grants, and those of other committees, is available at www.acs.org/getinvolved.

Committee on Economic and Professional Affairs (CEPA)

CEPA reported the 2014 New Graduate Survey Results which show the unemployment rate for new graduate chemists has dropped from 14.9 percent in the 2013 survey to 12.4 percent as of 2014. The drop is principally due to more new bachelor's degree chemists finding employment. ACS members experienced three successive years of lowered unemployment, which could hint at a positive outlook for chemists in coming years. While unemployment is down, salaries have been overall stagnant.

The ACS Career Fair had 715 seekers, 27 employers, 85 positions, and 10 booths. The Virtual Career Fair had 918 seekers, 6 employers, and 38 positions. Additionally, 368 resume reviews, 218 mock interviews, and 23 Career Pathway workshops were conducted during the meeting.

Women Chemists Committee (WCC)

WCC celebrated ten early-to-mid-career women chemists as recipients of the Fourth Annual WCC Rising Star Awards, and eight WCC/Eli Lilly Travel Grant awardees. WCC is also collaborating with Merck to develop a new Research Award that will fund eight women graduate students to present their research at the fall national meeting in Boston.

Members of WCC have been involved as contributing authors and editors for the second more diverse and inclusive edition of "Mom, the Chemistry Professor" being published by Springer.

Professional Training (CPT)

At this meeting, CPT reviewed 39 periodic reports from currently approved programs and held conferences with two departments beginning the process of applying for ACS approval. CPT also reviewed four site visit reports and approved three new programs. There are currently 681 colleges and universities offering ACS-approved bachelor's degree programs in chemistry.

The new [2015 ACS Guidelines for Bachelor's Degree Programs](#) were approved at CPT's winter meeting and recently published on the ACS website.

International Activities (IAC)

At this meeting, the committee received, reviewed, and approved annual reports from ACS International Chemical Sciences Chapters in Hong

Kong, Hungary, Malaysia, Romania, Saudi Arabia, and Shanghai. Additionally, the committee reviewed and approved new chapter applications initiated by members in Brazil, Nigeria, Peru, and the United Arab Emirates.

Environmental Improvement (CEI)

At this meeting CEI awarded Local Section Sustainability Grants to three Local Sections: Cornell, Kalamazoo, and Midland.

The committee has established working relationships with several technical divisions. The committee cosponsored with Division of Chemical Education the symposium featuring the winners of the ACS-CEI Award for Incorporation of Sustainability into Chemical Education. CEI and the Division of Environmental Chemistry have jointly established a project to provide grant support for programming around climate change at regional meetings.

CEI continues to review existing ACS policy statements, and at this meeting approved recommendations to the Board to establish new public policy statements on Hydraulic Fracturing and on Water Treatment and Conservation.

Chemistry and Public Affairs (CCPA)

The committee highlighted the power of ACS member engagement in government affairs by relating the bipartisan effort, despite partisan roadblocks, to secure a resolution for National Chemistry Week in the United States Senate by Senator Chris Coons, a Democrat from Delaware, and Republican Senator Pat Toomey of Pennsylvania. The extra effort invested by ACS members in Pennsylvania to ensure that the resolution had bipartisan sponsorship helps to underscore that science is an issue where both parties can come together.

Resolutions

The Council passed two resolutions: in memory of former ACS Secretary Rodney N. Hader and other deceased Councilors, and another in gratitude for the officers and members of the Colorado Local Section, host Section for the 249th National Meeting; the divisional program chairs and symposium organizers; and ACS staff.

Actions of the Board of Directors

The Board's Committees

The Board of Directors received and discussed reports from its Committees on Grants and Awards (G&A), Professional and Member Relations (P&MR), Executive Compensation, and Corporation Associates; the Society Committee on Education (SOCED); and the Joint Board-Council Committee on Publications.

- On the recommendation of the Committee on Grants and Awards and of the Committee on Science, the Board voted to approve a Society nominee for the National Medal of Science.
- On the recommendation of the Committee on Professional and Member Relations, the Board voted to provide nominal sponsorship, without financial commitment, for the [“Frontiers of](#)

[Science Research and Education in the Middle East: A Bridge to Peace”](#) (Malta VII) to be held in Rabat, Morocco, November, 2015.

- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society's executive staff receives regular review from the Board.
- On the recommendation of the Society Committee on Education, the Board voted to approve a procedure for the establishment of the inaugural Governing Board for the [American Association of Chemistry Teachers \(AACT\)](#).
- On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointment of an Editor-in-Chief for an ACS journal budget.

Activities of HIST Councilors

Roger Egolf – continuing as a member of the Divisional Activities Committee (DAC). He co-chairs the new Governance and Reports subcommittee of DAC. He also serves as the liaison from DAC to the Constitution and Bylaws Committee (C&B), to HIST, and to the Computers in Chemistry Division (COMP).

Mary Virginia Orna – has been appointed a full Member of the Local Sections Activities Committee (LSAC). She is also a member of the Technology, Tools, and Operations Subcommittee. Following the Denver meeting, she participated in a two-day LSAC Strategic Planning Retreat.

Mary Virginia Orna, Roger A. Egolf, Councilors

News

Professor Christoph Meinel to Receive 2015 HIST Award

Professor Dr. Christoph Meinel was born on November 28, 1949 in Dresden, Germany. He earned the qualification “Diplom-Chemiker” from the University of Marburg in 1974; all his subsequent historical work reflects his deep knowledge of the underlying chemistry. He continued his education at Marburg in the history of science and graduated in 1977 with a Ph.D. His doctoral dissertation was on the history of chemistry at Marburg, an extensive subject subsequently published as a major monograph.

He continued in the history of chemistry as a postdoctoral fellow with Maurice Crosland at the University of Kent at Canterbury, then returned to the

University of Marburg, earning habilitation at the University of Hamburg in 1987. After a year as Fellow at the Berlin Institute for Advanced Study, he was appointed to a full professorship at the University of Regensburg in 1990, where he continued until his retirement in

2015. Christoph spent two periods in the United States, as a visiting professor at Smith College and as a research associate at the Center for the History of



Chemistry (now a division of the Chemical Heritage Foundation) in Philadelphia.

Christoph Meinel is a member of the Deutsche Akademie der Naturforscher Leopoldina and a member of the Académie Internationale d'Histoire des Sciences in Paris. He has served as president of the German Society for the History of Science, and was the founding president of the International Commission on the History of Modern Chemistry. From 1990 through 1997 and again since 2014 he chairs the History Division of the German Chemical Society (GDCh) and is editor of the Division's journal *Mitteilungen*.

Dr. Meinel's extensive body of historical work has earned him a position at the center of the international community of historians of chemistry. His research interests include the emergence of chemistry as a discipline, its social history, communication, and publication networks. He has also published on various aspects of early modern natural philosophy. In addition to scores of articles in journals such as *Ambix*, *Hyle*, *Isis*, *Angewandte Chemie*, and *Berichte zur Wissenschaftsgeschichte*, Meinel's work has appeared in dozens of multi-author books, both as an author and editor. His monographs include a major series of books on Joachim Jungius (1587-1657).

Such a rich career in the history of chemistry has been recognized by many honors: the Gmelin-Beilstein Memorial Medal of the German Chemical Society, the Alexandre Koyré Medal of the International Academy of the History of Science, and the Liebig-Wöhler Friendship Prize of the Göttingen Museum of Chemistry. The History Division of the American Chemical Society is honored to join the European societies in awarding Professor Meinel the HIST Prize. Now that he is officially retired from his chair, we hope he can spend more time in the United States among new friends as well as old students and colleagues.

2014 HIST Outstanding Paper Award

The winner of the Best Paper Award for 2014 is Professor Amy Bix of the History Department at Iowa State University. The paper was "Chemistry of Cooking, Chemistry in War: Women in Nineteenth and Twentieth-Century Land-Grant Science and Engineering" that appeared in Volume 38, No. 2, 132-139 (2013).

Amy Sue Bix obtained her B.S. in Biology from Princeton University with High Honors and an additional concentration in Science and Human Affairs in 1987. She earned the Ph.D. in the History of Science from Johns Hopkins University in 1994 with a thesis entitled: "Inventing Ourselves Out of Jobs?: America's Depression-Era Debate over Technological Unemployment" (Johns Hopkins Press, 2000). She has been at Iowa State since 1993.



Professor Bix has become very well-known for her insightful work into the role of gender in science. Her most recent book is entitled: "Girls coming to Tech!: A History of American Engineering Education for Women" (MIT Press, 2014). She won the Betty Vetter Award for Research sponsored by the Women in Engineering Proactive Network (WEPAN) in 2014 for notable achievement in research related to women in engineering. She served as the Executive Secretary of the Society for the History of Technology from 2004-2008.

2015 HIST Award Banquet

As part of its activities at the 250th ACS National Meeting in Boston, the History of Chemistry Division of the American Chemical Society is pleased to host the 2015 HIST Award Banquet. To be honored at the banquet will be Professor Christoph Meinel, winner of its 2015 HIST Award, and Professor Amy Bix, winner of its 2014 Outstanding Paper Award. The Banquet will be held at the Lucia Ristorante & Bar (www.luciaboston.com), located at the heart of Hanover Street in Boston's North End (415 Hanover Street). The Banquet will start at 6:30 PM and will feature a family style menu. **Tickets are \$45 and can be purchased from Vera Mainz, HIST Secretary-Treasurer** (Tickets cover the full cost of the meal, with the exception of beverages). You can pay Vera via check or cash (exact amount preferred) at the banquet or when you see her. If you do plan to attend, please RSVP by August 15th via email (mainz@illinois.edu). The Lucia Ristorante & Bar is approximately 1 mile from downtown Boston, where the ACS hotels are located.

HIST Leading in the Special Celebration of the 100th Birthday of Former ACS President Henry Hill

HIST with the support of ACS President Diane Grob Schmidt has combined with three other divisions to sponsor four symposia and a reception to honor the life and work of Henry A. Hill. Monday morning August 17, the next in the series of Science and Legacy of Past ACS Presidents, "Memories of Henry Hill: His Legacy in Science and in Professional Service," will be presented. Speakers include Hill's Entrepreneurial Colleague Arthur Obermayer; Former ACS Presidents Joe Francisco and Attila Pavlath reflecting on Hill's impact on the ACS Presidency; ACS Board member Dorothy Phillips reflecting on the impact of Hill on the Northeastern Local Section and Joy Titus-Young on Hill's impact on Diversity and Inclusion at ACS. These talks will be followed by a sharing of memories by Hill's son, Anthony, and a videotaped presentation by Dr. Adelaide Cromwell, Hill's wife and Anthony's Mother. Time will be available then for comments by others.

Other symposia in the celebration include: Sunday afternoon – PROF's "The Professional Legacy of Henry Hill"; Monday afternoon – SCHB's "The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector"; and POLY's "Henry A. Hill Centennial Symposium: Innovation in Polymer Science". Concluding the Henry Hill Celebration on Tuesday afternoon will be the Henry A. Hill Award and Reception sponsored by President Schmidt. Complete information is available in the meeting program. Also a commemorative book-let will be available covering the entire program. -*Janan Hayes*

The Posthumous Nobel Prize in Chemistry. Correcting the Oversights and Errors of the Nobel Prize Committee.

The idea of a Posthumous Nobel Prize was brought to the attention of most of us through the unusual play "Oxygen" by Carl Djerassi and Roald Hoffmann. The play's concept was that a committee was going to award a proto-Nobel Prize, and that prize was going to be given for the discovery of oxygen. But who discovered oxygen? Was it Carl Scheele, Joseph Priestley, or Antoine Lavoisier? To learn the authors'

answer, you will have to see or read the play. However, the idea of a Posthumous Nobel Prize makes an interesting symposium theme.

"The Posthumous Nobel Prize in Chemistry. Correcting the Oversights and Errors of the Nobel Prize Committee" is the title of a HIST symposium planned for the Spring, 2016 ACS National Meeting to be held in San Diego, CA, March 13-17. Surely all of us have sometimes been puzzled and annoyed about the Nobel Prizes in Chemistry. How did Chemist A receive a Nobel Prize when Chemist B did not? How is it that Chemists X and Y shared a prize, when Chemist Z, who did equally important work on the same topic, was overlooked? For example, why didn't Raymond Damadian share the Nobel Prize for NMR imaging given to Paul Lauterbur and Peter Mansfield? I'm sure that each of us could cite other questionable omissions. Now you will have an opportunity in a presentation to make the case for some unjustly overlooked chemist.

The word "posthumous" is not intended to be a straightjacket. If that overlooked person is still alive, perhaps making the case for that individual will cause this past wrong to be righted. The presentations clearly have to be about a person who lived past 1901, the year of the first Nobel Prizes. The talks do have to be about chemistry. Leo Tolstoy lived until 1910, and perhaps he should have received the Nobel Prize for Literature; but that case needs to be made in another venue. However, very often the Nobel Prize for Physiology and Medicine involves chemistry as does physics occasionally. Consequently, scientists who have done chemical research that overlaps into physiology, biology, medicine, and physics and have been unjustly overlooked are fair game.

As organizer, I do intend to act as a gate keeper. Otherwise we would have four talks about how G. N. Lewis should have won the Nobel Prize in Chemistry (and I agree that he should have). Therefore, I would like the topic of your proposed talk run by me first, before you submit an abstract. The abstract deadline is Oct. 23. Certain chemists are already taken, so don't submit any of the following names: Wallace Carothers, Herman Mark, Michael J. S. Dewar, Neil Bartlett, G. N. Lewis, E. K. Zavoisky, Howard Simmons, Dmitri Mendeleev, and R. B. Woodward (Yes, I know that Woodward won a Nobel Prize, but perhaps he should have won two). This still leaves lots of scientists available, such as J. Willard Gibbs, Henry Moseley, Rosalind Franklin,

Lise Meitner, and Christopher Ingold, to name just a few. Please send your topic to me, Tom Strom, at (tomstrom@juno.com) between now and October 23; but the earlier the better. I am hoping for a large number of submissions to highlight these past omissions. Remember, not only in wars but in science as well, history is written by the victors. Let's do our best to expand that history. -E. Thomas (Tom) Strom

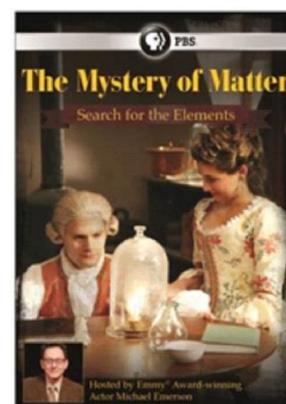
"Edwin Land and Instant Photography" National Historic Chemical Landmark Designation

Edwin H. Land (1909–1991) established the Land-Wheelwright Laboratories in 1932 (later Polaroid Corporation) to develop polarized sheet technology. In 1947, Land devised the one-step system of photography that would become known simply as Polaroid. The system centered on Land's invention of a novel viscous reagent, sealed within a rupturable pod, which was spread by precision rollers between the exposed negative and positive image-receiving sheet. Visit www.acs.org/landmarks for more information. Thursday, Aug. 13, 3:30–4:30 p.m. (reception will immediately follow), MIT Museum (265 Massachusetts Ave, Cambridge).

ACS Offers Sneak Peek at New PBS Series that Explores the Discovery of the Elements

Be among the first to preview a new PBS series, "Mystery of Matter: Search for the Elements," 1:30-3:00 p.m. Sunday, Aug. 16, at the Boston Conven-

tion & Exhibition Center, room 52AB. This program tells the human story of the periodic table in an engaging way that will appeal to both laymen and scientists. The screening will feature program producer, Steve Lyons, along with several cast members, giving us insights into how it all came together. Snacks will be served. No registration required.



Wikipedia Edit-a-thon for Notable Chemists and Chemistry

A [Wikipedia training and editing session](#) to improve coverage of notable chemists and chemistry topics on Wikipedia will be held Wednesday, Aug. 19, 1:30 - 5:30 p.m., Boston Convention & Exhibition Center, Room 102B. As one of the web's most visited reference sites, Wikipedia serves as a starting point for many non-scientists to learn about chemistry topics. During this training, you will learn the basics of how to edit Wikipedia entries and be given time to practice your skills with experienced Wikipedians. All are welcome, newcomer and veteran alike. Attendees may come and go but instructions will be provided during the first hour. Registration required. Contact Keith Lindblom in the ACS Office of Public Affairs at k_lindblom@acs.org or 202-872-6214.

News from the Chemical Heritage Foundation

The [Chemical Heritage Foundation](#) (CHF) fosters an understanding of chemistry's impact on society. An independent nonprofit organization, we strive to inspire a passion for chemistry, highlight chemistry's role in meeting current social challenges, and preserve the story of chemistry across centuries. CHF maintains major collections of instruments, fine art, photographs, papers, and books. We host conferences and lectures, support research, offer fellowships, and produce educational materials. Our museum and public programs explore subjects ranging from alchemy to nanotechnology.

CHF Digital Curator Receives Award

Michelle DiMeo, curator of digital collections at the Chemical Heritage Foundation, received an award at the annual meeting of the Archivists and Librarians in the History of the Health Sciences (ALHHS), held at

Yale University, New Haven, Connecticut, April 29 and 30. DiMeo received the 2015 ALHHS best online resource award for her editorship of a special issue of RBM: A Journal of Rare Books, Manuscripts, and Cultural Heritage (vol. 15, no. 2). Coedited by DiMeo

and Jeffrey S. Rez-nick (Chief of History of Medicine at the US National Library of Medicine), this special issue contains the proceedings of the December 2013 symposium *Emerging Roles for Historical Medical Libraries: Value in the Digital Age*. The editorial process included negotiating open-access rights with RBM's editor and its publisher, the Association of College and Research Libraries, a division of the American Library Association. The ALHHS recognized DiMeo for her leadership in organizing the associated symposium, which was sponsored in part by a Library Project Award from the National Network of Libraries of Medicine—Middle Atlantic Region.

Jacqueline Barton to Receive 2015 AIC Gold Medal

The Chemical Heritage Foundation (CHF) and the American Institute of Chemists have named

Jacqueline Barton, the Arthur and Marian Hanisch Memorial Professor of Chemistry and chair of the Division of Chemistry and Chemical Engineering at the California Institute of Technology, recipient of the 2015 AIC Gold Medal. The award was presented at CHF on May 14, 2015.

“World-class researcher and inspiring mentor Jackie Barton embodies the qualities the AIC Gold Medal has honored for nearly a century,” said Carsten Reinhardt, CHF's president and CEO. “More than 100 postdocs and graduate students go on from CalTech's Barton Group to careers in science across America and around the globe.”

Barton earned a PhD at Columbia University, studying under former CHF Board of Directors member Stephen J. Lippard. She presented the 2002 Ulyot Public Affairs Lecture at CHF on her research in charge transport in DNA.

News from the Society for the History of Alchemy and Chemistry

Founded in 1935, the Society for the History of Alchemy and Chemistry (SHAC) has consistently maintained the highest standards of scholarship in all aspects of the history of alchemy and chemistry from early times to the present. The Society has a wide international membership of over 200 with members from 28 countries.

Situating Chemistry—a Relational Database for the History of Chemistry

The database has been developed for the project *Situating Chemistry, 1760-1840*, which explores the interactions between the conceptual transformations of chemistry, its institutionalization and the role of chemistry and chemists in innovation in industry and agriculture. The database stores biographical information on chemists and on others who were involved with chemistry as well as data on the sites where chemistry was practiced, the networks of people, materials, processes and sub-

stances that circulated around them, chemistry (and other) courses and their audiences, together with events, organizations and associated documents and images. It is searchable and the reports it generates include interactive maps. It can be found at <http://situatingchemistry.org>. Although developed for chemistry in the period 1760-1840 it has been designed for much wider application. The database is publicly accessible as view-only. If you wish to use it or contribute data you will need to open an account. For further information please contact the designers John Perkins, jperkins@brookes.ac.uk, and John Stewart, johnstewart@ou.edu.

News from the History of Science Society

The History of Science Society is the world's largest society dedicated to understanding science, technology, medicine, and their interactions with society in historical context. It was founded in 1924 to foster interest in the history of science and its social and cultural relations.

Three Societies Meeting to Take Place in Canada 22-25 June 2016

Every four years the 3-Societies Meeting brings together three organizations dedicated to the study of the history of science, technology, and medicine: the

History of Science Society, the British Society for the History of Science, and the Canadian Society for the History and Philosophy of Science. 2016 will mark the Eighth Joint Meeting of the BSHS, CSHPS, and the HSS, this time in Canada at the University of

Alberta in Edmonton, Canada. We are also in conversation with the European History of Science Society, which might join us in due course. We are very excited to welcome you all to the University of Alberta. Located in Edmonton, the capital of the province of Alberta, the University of Alberta is home to almost 40,000 undergraduate and graduate students. It is one of the top 5 Canadian universities and ranks among the top 100 universities worldwide. Scholars engaged in the study of the history, philosophy, and sociology of science, technology, and medicine are located within the Departments of History and Classics; Philosophy; Sociology; Economics; and in the Science, Technology, and Society Program, and the Faculty of Medicine. The

University of Alberta has also been home to one of the nodes of the Situating Science research project funded by a Social Sciences and Humanities Research Council of Canada Strategic Knowledge Cluster grant.

We are putting together a joint program committee of the Three Societies to ensure that we will have a lively and engaging program. Calls for papers will probably go out in early fall. The Three Societies conference is a chance to get together in a more relaxed, campus environment, and I hope you will all consider attending. You will not be disappointed. Contact threesocieties2016@ualberta.ca for more information.

BULLETIN FOR THE HISTORY OF CHEMISTRY

A publication of the Division of the History of Chemistry of the American Chemical Society

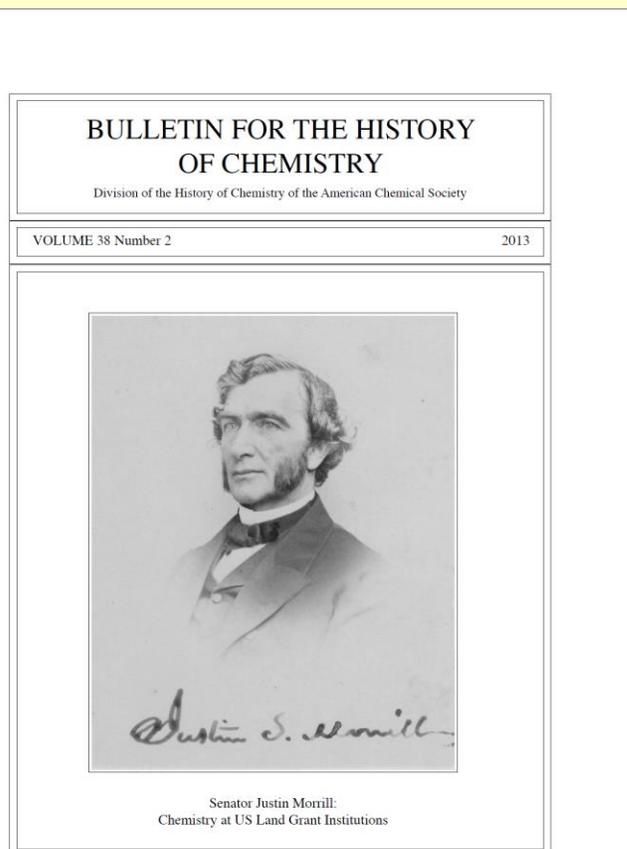
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PAPER SUBMISSIONS: Articles of 4-20 pages, double-spaced (excluding references) should be submitted electronically by email attachment to the Editor, Carmen Giunta, at giunta@lemoyne.edu. The title of the article should be of reasonable length (up to 15 words); a subtitle may be included if appropriate. Authors should strive to make the title descriptive of the specific scope and content of the paper. Preferred file formats for submissions are .doc, .docx, and .rtf.

Full instructions for authors can be found at <http://www.scs.illinois.edu/~mainzv/HIST/info/bull-info.php> or in the back cover of all issues of the *Bulletin*.

All matters relating to manuscripts, book reviews, and letters should be sent to:

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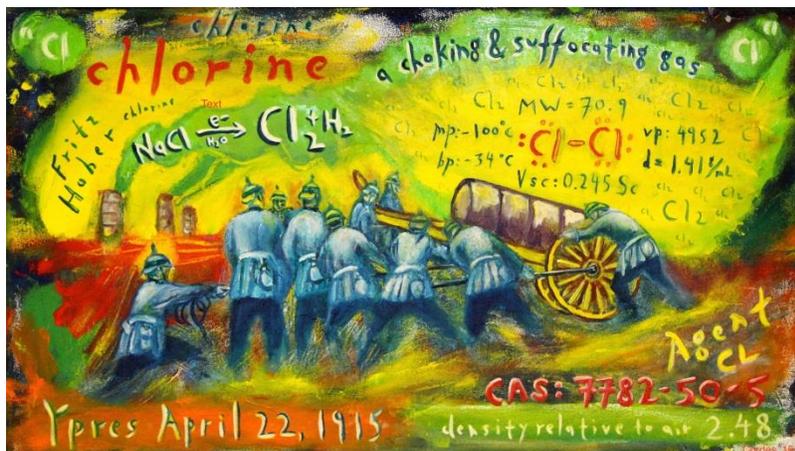


HIST Programming

Message from the HIST Program Chair

Welcome back for yet another HIST Newsletter! Our last meeting in Denver was probably one of our best attended with standing room only audiences for two of our highlighted symposia. In addition, two multiple days of outstanding talks, our symposia on chemical warfare also included a showing of chemical art by HIST member David Cordes. One of David's paintings is shown below and all of his work can be viewed at his webpage [Welcome to the Chemical Jungle](#).

While the programming for Boston is somewhat light, the division plans to more than make up for this in San Diego and Philadelphia, both of which look to have very full schedules. Of course, the success of our programming is always dependent on the efforts of our various symposium organizers, so if you have ideas for potential symposia and would like to get more involved in the division, just let me know and I can team you up with more experienced members that can help make your symposium happen.



Lastly, Denver was the first meeting to fully use the new MAPS (Meeting Abstracts Programming System) for abstracts and programming. Hopefully, for those submitting abstracts, you have noticed a more user-friendly interface in comparison to the previous PACS interface. While things still need some polishing on the Program Chair's side of things, ACS and the ACS MAPS Advisory Board (including yours truly) are working hard to improve this process for everyone involved. If you do happen to run into any difficulties, make sure to

let me know so that I can pass the information along up the food chain.

As always, if you have programming ideas or would like to provide suggestions or feedback, please don't hesitate to let me know (seth.rasmussen@ndsu.edu).

Seth C. Rasmussen, HIST Program Chair

HIST SYMPOSIA, 250th ACS Meeting in Boston, MA, August 16-20, 2015

Schedules and abstracts are listed at the end of this Newsletter.

Edwin Land and Instant Photography: Massachusetts' First National Historic Chemical Landmark

Cosponsored by PRES

This symposium highlights the achievements of Edwin H. Land (1909–1991) who devised the one-step system of photography that would become known simply as Polaroid. The symposium will be held **Sunday afternoon**, August 16, at the Boston Convention & Exhibition Center - Room 50.

J. L. Maclachlan, M. Filosa, V. Walworth, & J. N. Driscoll, Organizers

Memories of Henry Hill: His Legacy in Science and in Professional Service

Cosponsored by PRES, AGRO, CARB, COLL, ENFL, POLY, PROF, SCHB

Next in the series of Science and Legacy of Past ACS Presidents, this symposium will include Hill's Entrepreneurial Colleague Arthur Obermayer; Former ACS Presidents Joe Francisco and Attila Pavlath reflecting on Hill's impact on the ACS Presidency; ACS Board member Dorothy Phillips reflecting on the impact of Hill on the Northeastern Local Section and Joy Titus-Young on Hill's impact on Diversity and Inclusion at ACS. These talks will be followed by a sharing of Memories by Anthony Hill, Hill's son, and a video-taped presentation by Dr. Adelaide Cromwell, Hill's wife and Anthony's Mother. Time will be available then for comments by others. The symposium will be held **Monday Morning**, August 17, at the Boston Convention & Exhibition Center - Room 50.

J. Hayes, Organizer

Fifty Years of Innovation: The Legacy of the Westheimer Report

MPPG, Cosponsored by HIST

Don't miss HIST's contribution to the Thematic Program at Boston, a symposium entitled "Fifty years of Innovation: The Legacy of the Westheimer Report." It will celebrate the 50th anniversary of a groundbreaking report commissioned by National Academy of Sciences and the National Research Council to survey the then current state of the science of chemistry and indicate the most promising opportunities for progress in the field. The report, officially titled "Chemistry: Opportunities and Needs" but much better known as the Westheimer Report after the chair of the committee that created it, Frank Westheimer of Harvard University, was released November 1965. This symposium will consist of an introductory paper about the report and its creators, followed by five papers describing how the various predictions and suggestions of the report have played out over the following half century. The symposium participants include three former ACS presidents and four members of the National Academy of Sciences, two of whom have won the Priestley Medal. The symposium will be held **Tuesday Morning**, August 18, at the Boston Convention & Exhibition Center - Room 205A.

R. Egolf, Organizer

HIST Award Symposium Honoring Christoph Meinel

This symposium honors the recipient of this year's HIST Award for outstanding lifetime achievement in the history of chemistry, Professor Christoph Meinel, who retired this past spring from the University of Regensburg, Germany. Meinel's prolific published research embraces the history of the discipline from the seventeenth to the twentieth century, and his services to the profession have been just as wide-ranging. The symposium will feature talks by Alan Rocke, Jeffrey Johnson, Stephen Weininger, William Brock, Brigitte Van Tiggelen, and Carsten Reinhardt. It will conclude with Professor Meinel's award address: "How Science Historians Helped to Create Chemistry as a Discipline." The symposium will be held **Tuesday Afternoon**, August 18, at the Boston Convention & Exhibition Center - Room 50.

A. J. Rocke & G. D. Patterson, Organizers

UPCOMING MEETINGS AND HIST DEADLINES

Offerings are subject to change. Check the HIST website (<http://www.scs.illinois.edu/~mainzv/HIST/>) for updates.

PacifiChem, Honolulu, Hawaii, December 15-20, 2015

The 2015 International Chemical Congress of Pacific Basin Societies is sponsored jointly by the American Chemical Society (ACS), the Canadian Society for Chemistry (CSC), the Chemical Society of Japan (CSJ), the New Zealand Institute of Chemistry (NZIC), the Royal Australian Chemical Institute (RACI), the Korean

Chemical Society (KCS), and the Chinese Chemical Society (CCS). The American Chemical Society is the host society for the 2015 Congress.

Historical Evolution of the Chemical Community in the Countries of the Pacific Rim (Submission closed). Seth C. Rasmussen, Department of Chemistry and Biochemistry, North Dakota State University, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108-6050, Phone: (701) 231-8747, email: seth.rasmussen@ndsu.edu; Gary D. Patterson, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213, Phone: 412-268-3324, Email: gp9a@andrew.cmu.edu; Additional co-organizers: Trevor Levere (Canada), Yasu Furukawa (Japan), and Ian David Rae (Australia).

251st ACS Meeting, San Diego, CA, March 13-17, 2016

Submit your abstract via the new online Meeting Abstracts Programming System (MAPS) by **October 23rd, 2015**. If you do not have access to a computer for use in the submission or are having difficulties in submitting your abstract, contact Seth Rasmussen (seth.rasmussen@ndsu.edu). Check the call for papers in *Chemical and Engineering News* or www.acs.org for changes in the abstract deadlines.

HIST Tutorial and General Papers. (**Seeking contributors**) Seth C. Rasmussen, Department of Chemistry and Biochemistry, North Dakota State University, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108-6050, Phone: (701) 231-8747, email: seth.rasmussen@ndsu.edu

The Posthumous Nobel Prize in Chemistry. Correcting the Errors and Oversights of the Nobel Prize Committee. (Invited and **Seeking contributors**) E. Thomas Strom, Department of Chemistry and Biochemistry, University of Texas at Arlington, P. O. Box 19065, Arlington, TX 76019-0065, Phone: (817) 272-5441, Email: tomstrom@juno.com

Preceptors of Chemistry. (Invited and **Seeking contributors**) Gary D. Patterson, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213, Phone: 412-268-3324, Email: gp9a@andrew.cmu.edu

252nd ACS Meeting, Philadelphia, PA, August 21-25, 2016

HIST Tutorial and General Papers. (**Seeking contributors**) Seth C. Rasmussen, Department of Chemistry and Biochemistry, North Dakota State University, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108-6050, Phone: (701) 231-8747, email: seth.rasmussen@ndsu.edu

Chemistry in America: 1676-1876. (Invited and **Seeking contributors**) Gary D. Patterson, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213, Phone: 412-268-3324, Email: gp9a@andrew.cmu.edu

A Salute to Ted Benfey at 90: Science, History, Culture, and a Commitment to Humanism. (Invited) Jeffrey I. Seeman, Department of Chemistry, University of Richmond, Westhampton Drive, Richmond, VA 23173, Phone: (804) 794-1218, Email: jiseeman@yahoo.com

253rd ACS Meeting, San Francisco, CA, April 2-6, 2017

HIST Tutorial and General Papers. (**Seeking contributors**) Seth C. Rasmussen, Department of Chemistry and Biochemistry, North Dakota State University, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108-6050, Phone: (701) 231-8747, email: seth.rasmussen@ndsu.edu