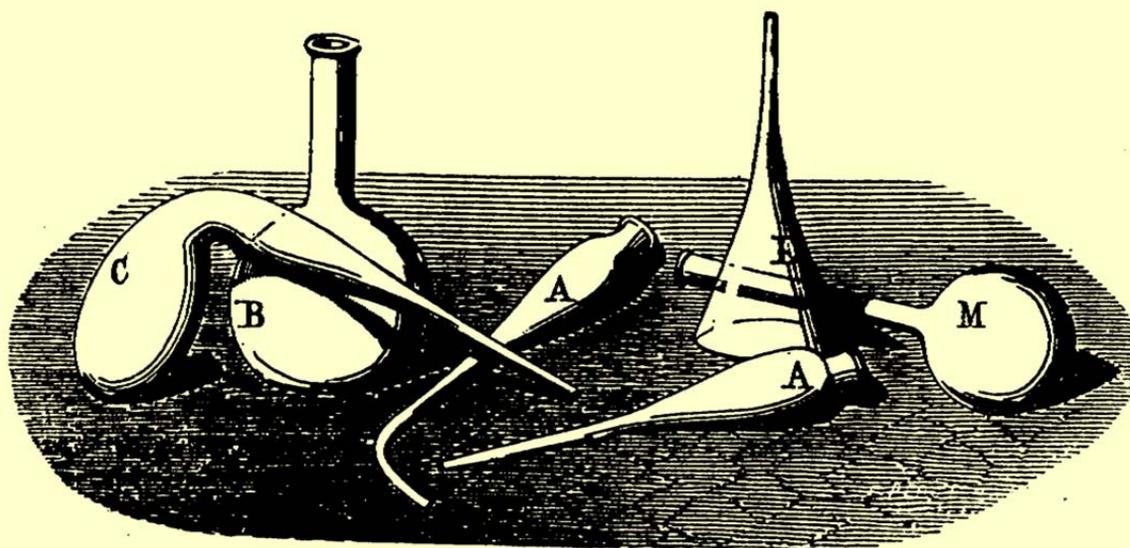




ACS
Chemistry for Life®



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



NEWSLETTER

247th ACS National Meeting
Dallas, TX
March 16-20, 2014

S. C. Rasmussen, Program Chair
DIVISION OF THE HISTORY OF CHEMISTRY

Chair: Ned D. Heindel
Lehigh University
Department of Chemistry
Seeley G. Mudd Lab
Bethlehem, PA. 18015
Phone: (610) 758-3464
Fax: (610) 758-3461
Email: ndh0@lehigh.edu

Chair-Elect: Gary Patterson
Department of Chemistry
Carnegie Mellon University
Pittsburgh, PA 15213
Phone: (412) 268-3324
Fax: (412) 268-1061
Email: gp9a@andrew.cmu.edu

Past Chair: 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
Fax: (817) 272-3808
Email: tomstrom@juno.com

Secretary-Treasurer: Vera V. Mainz
2709 Holcomb Drive
Urbana, IL 61802
Phone: (217) 328-6158
Email: mainz@illinois.edu

Program Chair: 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
Fax: (701) 231-8831
Email: seth.rasmussen@ndsu.edu

Bulletin Editor: Carmen J. Giunta
Le Moyne College
1419 Salt Springs Rd.
Syracuse, NY 13214-1399
Phone: (315) 445-4128
Fax: (315) 445-4540
Email: giunta@lemoyne.edu

Councilor: Mary Virginia Orna
Department of Chemistry
College of New Rochelle
New Rochelle, NY 10805
Phone: (914) 654-5302
Fax: (914) 654-5387
Email: mvorna@cnr.edu

Councilor: Roger A. Egolf
Pennsylvania State University - Lehigh Valley
Campus, 2809 Saucon Valley Road
Center Valley, PA 18034
Phone: (610) 285-5110
Fax: (610) 285-5220
Email: rae4@psu.edu

Alternate Councilor: Joe Jeffers
Ouachita Baptist University
410 Ouachita Street, Box 3786
Arkadelphia, AR 71998-0001
Phone: (870) 245-5216
Fax: (870) 245-5241
Email: jeffers@obu.edu

Alternate Councilor: Arthur Greenberg
Department of Chemistry
University of New Hampshire
Parsons Hall
Durham, New Hampshire 03824
Phone: 603 862-1180
Fax: 603 862-4278
Email: art.greenberg@unh.edu

Historian: Gary Patterson
Department of Chemistry
Carnegie Mellon University
Pittsburgh, PA 15213
Phone: (412) 268-3324
Fax: (412) 268-1061
Email: gp9a@andrew.cmu.edu

Archivist: John Sharkey
Pace University
Department of Chemistry & Physical Sciences
One Pace Plaza
New York, NY 10038-1502
Phone: (610) 758-3582
Email: jsharkey@pace.edu

Mission Statement

The Division of the History of Chemistry (**HIST** - <http://www.scs.illinois.edu/~mainzv/HIST/index.php>) 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.

Message from Ned Heindel, HIST Division Chair

We (HIST) may be small but we're mighty! The Program Chair and the Executive Committee have been diligent in arranging general programming, symposia, awards, and publications. Elsewhere in this newsletter you'll learn about our 2014 HIST Division award winner, an international scholar especially recognized for his work in the history of chemical industry. The committee for selection of the outstanding paper is at work and will shortly announce its decision. Our Division's topical symposia are scheduled beyond the Dallas meeting into San Francisco, Boston, and the 2015 PacificChem International meeting. Two HIST loyalists are publishing books linked to divisional symposia and this includes Mary Virginia Orna's coauthorship of a book on "Lost Elements" and Natalie Foster's coauthorship (with the late Jack Stocker) of a book on "A Festival of Chemistry." We always appreciate our members' scholarly presentations and we invite you to submit your work for future national meetings of the Division.

Ned D. Heindel, HIST Chair



Report of Councilors, Division of the History of Chemistry ACS National Meeting, Indianapolis, IN; September 8-12, 2013

Election Results

- The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the **Committee on Committees** beginning in 2014: Mitchell R. M. Bruce, Janet L. Bryant, Dee Ann Casteel, Amber S. Hinkle, Wayne E. Jones, Jr., V. Michael Mautino, Jason E. Ritchie, Sharon P. Shoemaker, Russell W. Johnson, and Ralph A. Wheeler. By electronic ballot, the Council elected Janet L. Bryant, Dee Ann Casteel, Amber S. Hinkle, Wayne E. Jones, Jr., and V. Michael Mautino for the 2014-2016 term.
- The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the **Council Policy Committee** beginning in 2014: Harmon B. Abrahamson, Arindam Bose, Judith H. Cohen, Alan M. Ehrlich, Martha G. Hollomon, Paul J. Smith, Ellen B. Stechel, and Angela K. Wilson. By electronic ballot, the Council elected Harmon B. Abrahamson, Judith H. Cohen, Alan M. Ehrlich, and Angela K. Wilson for the 2014-2016 term.

- The Council Policy Committee presented to the Council the following slate of candidates for membership on the **Committee on Nominations and Elections** beginning in 2014: Lisa M. Balbes, Jeannette E. Brown, Martha L. Casey, Dwight W. Chasar, D. Richard Cobb, Catherine E. Costello, Lissa Dulany, Kevin J. Edgar, Paul W. Jagodzinski, and Robert A. Pribush. By electronic ballot, the Council elected Lisa M. Balbes, Jeannette E. Brown, Martha L. Casey, D. Richard Cobb, and Lissa Dulany for the 2014-2016 term

Candidates for President-Elect and Board of Directors

- The candidates for the fall 2013 ACS national election were announced as follows:

Candidates for President-Elect, 2014

Dr. G. Bryan Balazs, Associate Program Leader, Lawrence Livermore National Lab, Livermore, CA

Dr. Charles E. Kolb, Jr., President and CEO, Aerodyne Research Inc., Billerica, MA

Dr. Diane Grob Schmidt, Section Head R&D, The Procter & Gamble Company, Cincinnati, OH

Candidates for Directors-at-Large, 2014-2016 (two will be elected)

Dr. Susan B. Butts, Independent Consultant, Susan Butts Consulting, Midland, MI

Dr. Thom H. Dunning, Jr., Director, National Center for Supercomputing Applications and Professor, Distinguished Chair for Research, University of Illinois at Urbana-Champaign, Urbana, IL

Dr. Dorothy J. Phillips, Retired, Waters Corporation, Milford, MA

Dr. Kathleen M. Schulz, President, Business Results, Inc., Albuquerque, NM

Candidates for District II Director, 2014-2016

Dr. George M. Bodner, Arthur Kelly Distinguished Professor of Chemistry Education and Engineering, Purdue University, West Lafayette, IN

Dr. Alan A. Hazari, Director of Chemistry Labs and Lecturer, University of Tennessee, Knoxville, TN

Candidates for District IV Director, 2014-2016

Dr. Rigoberto Hernandez, Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA

Dr. Larry K. Krannich, Professor Emeritus of Chemistry, University of Alabama, Birmingham, AL

Committee Reviews

- As part of a regular committee performance review, the Council voted to continue the joint Board-Council Committee on International Activities and the Council Other Committee on Nomenclature, Terminology and Symbols. Continuation of the Committee on International Activities also requires Board of Directors concurrence.

Committee Charters Approved

- The Council voted to approve amendments to the charters of the committees on International Activities and on Nomenclature, Terminology and Symbols.

Realignment of Electoral Districts

- ACS Bylaws require that the six electoral districts – from which six directors are elected to the ACS Board of Directors – be balanced in their total member populations. The Council voted to approve a proposal by the Committee on Nominations and Elections to realign these districts. The realignment meets the specified criteria for redistricting as required by Bylaw V, Section 4a and brings all six districts within permissible population range. This change takes place in 2014 and does not affect the 2013 national ACS elections. Councilors and others may visit the N&E website to look at the actual proposal and its impact.

Meeting Registration Report

- As of the morning of September 11, 2013, the ACS fall national meeting had attracted 10,840 registrants, including 6,630 regular attendees and 2,584 students.

Local Sections

- The Council voted, on the recommendation of the Committee on Local Section Activities (LSAC), to approve a request from the Syracuse Local Section to change its name to the Central New York Local Section. Council also approved a recommendation from LSAC that the Monmouth County Local Section (in New Jersey) be dissolved, effective January 1, 2014, due to a decline in activity over the last several years. The North Jersey Local Section has contacted LSAC and will submit a petition in 2014 to annex the Monmouth County territory.

Divisions

- After much debate, a proposed name change for the Division of Colloid and Surface Chemistry to the Division of Colloids, Surfaces, and Nanomaterials was defeated by the Council in a close vote.

Special Discussion Item

- A special discussion item was put on the Council agenda for this meeting. ACS President Marinda Wu presented and moderated a discussion on “What can we – as the Society and as individual citizens – do to help create jobs or demand for chemists?” She shared five recommendations from the presidential task force “Vision 2025: Helping ACS Members to Thrive in the Global Chemistry Enterprise” and what they might imply for our efforts to help create jobs: discover and share information about the skills and competencies that a wide range of employers will need; continue to expand resources which help our members to position themselves for successful careers in the global chemistry enterprise; enable entrepreneurs to create and strengthen their startups that hire chemistry professionals; advocate for policies that improve the business climate and promote the creation of chemistry jobs; and work with other stakeholders to understand and influence the supply and demand of chemists and jobs. Following the presentation, numerous Councilors engaged in a discussion of this focused topic on possibilities to encourage jobs creation and offered several suggestions.

Actions of the Board of Directors

- The Board of Directors received reports from its committees on Planning, Executive Compensation, Grants and Awards (G&A), Budget and Finance (B&F) and the working group on Society Program Portfolio Management.
- The Board held a lengthy strategic issue discussion on the topic “Connecting Chemists with Each Other.” It considered what the role of ACS should be in helping chemists develop relationships with other chemists and the strategies that enable those relationships; how these strategies encourage and support younger and international members; and how these strategies develop relationships to leverage the world renowned chemists/innovators that comprise our membership.
- On the recommendation of the Committee on Grants and Awards, the Board voted to approve Society nominations for the National Science Board’s Public Service Award and the National Science Foundation’s (NSF) Alan T. Waterman Award. The National Science Board’s Public Service Award honors individuals and groups that have made substantial contributions toward increasing public understanding of science and engineering in the US. The Alan T. Waterman Award recognizes an outstanding young researcher in any field of science or engineering supported by the NSF.
- The working group on Society Program Portfolio Management briefed the Board on its activities. The working group is charged with delivering a process for portfolio management of Society programs in the divisions of Membership and Scientific Advancement, Education, and the Office of the Secretary and General Counsel (Office of Public Affairs) and pilot programs.
- The Board received a briefing and approved a recommendation from its Committee on Executive Compensation. The compensation of the Society’s executive staff is regularly reviewed by the Board.
- On the recommendation of the Committee on Budget and Finance (B&F), the Board voted to approve an advance member registration fee of \$380 for national meetings held in 2014. The Board also voted to reauthorize funding in next year’s proposed budget for the ACS International Center, and the ACS

Entrepreneurial Initiative, and to authorize funding for a new initiative, the National Association of Chemistry Teachers (NACT). This association will be an ACS program to provide teachers a professional home. Through NACT they will have access to specialized resources and the broader ACS community.

- The Board confirmed the recommendation of the ACS Executive Director/CEO of the new President of Chemical Abstracts Service (CAS). He is Manuel (Manny) Guzman, most recently Executive Vice President of Learning and Research Solutions of Cengage Learning. Mr. Guzman succeeds Robert J. Massie, who is retiring after leading CAS with great distinction and success for 21 years and is retiring in March 2014. Mr. Guzman will begin September 30. Mr. Massie will assist in the transition when he returns from medical leave.

The Executive Director/CEO Report

- The Executive Director/CEO and her direct reports updated the Board on the following: highlights and high-level recommendations on the ACS global presence; and the activities of CAS (Chemical Abstracts Service) and the ACS Publications Division. As a follow-up to the Publications report, the Board voted to approve one journal editor appointment and several editor re-appointments.

Other Society Business

- The Board also voted to hold the December 2015 Board of Directors meeting in Honolulu, Hawaii, in conjunction with the 2015 International Chemical Congress of Pacific Basin Societies (Pacifichem). The ACS is the host society for the 2015 Pacifichem meeting, and co-location will allow Board members to participate in this very successful Pacifichem meeting.
- Finally, the Board received reports from the Presidential Succession on their current and planned activities for the remainder of 2013 and 2014.

Activities of HIST Councilors

Mary Virginia Orna – has completed six years on the Council Policy Committee and was ineligible for re-election. She has therefore been appointed an associate on the Local Section Activities Committee for 2014. Joe Jeffers, attending Council in Mary Virginia's absence, is a member of the Multidisciplinary Program Planning Group.

Roger Egolf – continues to serve on the Divisional Activities Committee and chairs the DAC Constitution and Bylaws Subcommittee. He also serves as DAC liaison to the Constitution and Bylaws Committee of Council and the HIST and SCB Divisions.

Mary Virginia Orna, Roger A. Egolf, Councilors

Professor Ernst Homburg to Receive 2014 HIST Award

The History of Chemistry Division of the American Chemical Society is pleased to announce Professor Ernst Homburg as the winner of its 2014 HIST award. This international award for contributions to the history of chemistry has been granted since 1956 under sequential sponsorships by the Dexter Chemical Company, the Edelstein Foundation, the Chemical Heritage Foundation, and the History of Chemistry Division. The event, consisting of a monetary presentation, a plaque, a symposium honoring the work of Professor Homburg, and a lecture by the awardee, will take place on 12 August 2014 at the American Chemical Society's annual meeting in San Francisco, California.

The 2014 winner, Ernst Homburg, was born in 1952 in Venlo, The Netherlands. After studying at the Protestant Lyceum, he studied at the Municipal University, Amsterdam, where he received M.Sc. in chemistry and at the University of Nijmegen where he received a Doctoral degree in History. From 1972 to 1993 he served at various posts in history and technology at the Universities of Amsterdam, Groningen, Nijmegen, and Eindhoven. From 1993 to present he has served as Assistant Professor, then Professor, in

the Department of History at the University of Maastricht, The Netherlands. With his broad background, Dr. Homburg is one of the leaders in the history of modern chemical industry and technology. He has been involved as a co-organizer and writer in two multi-volume book series on the history of European technology in the 19th and 20th centuries, as well as a multitude of other books and papers. He has been president of a number of organizations that have promoted the history of technology and science throughout Europe and other parts of the world. As an influential speaker, Dr. Homburg is known for his conciseness and fresh viewpoints, with an ability to change viewpoints without any display of ego or discourtesy.

HIST to Host Symposium at PACIFICHEM 2015

The History of Chemistry Division of the American Chemical Society has organized a symposium for 2015 International Chemical Congress of Pacific Basin Societies (Pacifichem 2015), which has been formally accepted as part of the preliminary technical program. The symposium is entitled *Historical Evolution of the Chemical Community in the Countries of the Pacific Rim* and is organized by HIST officers Seth Rasmussen and Gary Patterson, along with co-organizers Trevor Levere (Canada), Yasu Furukawa (Japan), and Ian David Rae (Australia). Anyone interested in potentially participating in the symposium should contact either Seth Rasmussen (seth.rasmussen@ndsu.edu) or Gary Patterson (gp9a@andrew.cmu.edu) for further information.



Pacifichem 2015 will take place in Honolulu, Hawaii, USA, December 15-20, 2015. The conference is sponsored jointly by 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 host society for the 2015 Congress is ACS.

HIST Facebook Page Continues to Attract Followers

The community following the HIST Facebook page has grown to 165 official followers (i.e. 'likes'), up by 30% from the last update in the previous HIST Newsletter. As in the past, the majority of those reached via the HIST Facebook are still younger people in their 20s and 30s (69% are aged 18-35), most of which are not HIST or even ACS members. In addition, 74% of our followers are from various international communities (39 different countries!) without traditional access to activities of the division. The HIST Facebook page can be found at <http://www.facebook.com/#!/pages/ACS-Division-of-the-History-of-Chemistry-HIST/152326921497559> or by searching 'HIST' in the Facebook search bar. If you are a Facebook user, please stop by and check out these efforts to share our passion of the subject with the world. Then 'Like' the page to join us and post comments to share the history of chemistry with the world!

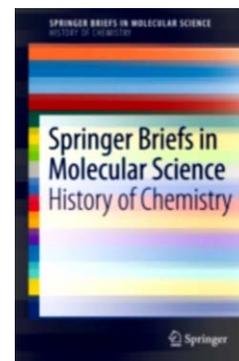
Seth C. Rasmussen, HIST Facebook Page Administrator



Springer Briefs in Molecular Science: History of Chemistry Seeks New Authors

Two new volumes in this series were published this last fall: *László Zechmeister: His Life and Pioneering Work in Chromatography*, by Michaela Wirth, and *Up from Generality: How Inorganic Chemistry Finally Became a Respectable Field*, by Jay A. Labinger. Two additional volumes should be released in the upcoming months and several more volumes are currently being written and edited. All volumes are currently available via Springer or Amazon in both softcover or ebook formats.

With the goal to add even more volumes in the upcoming year, new authors are



being sought for potential new volumes. Volumes are 50-125 pages in length, presenting concise summaries of historical topics covering all aspects of chemistry, alchemy, and chemical technology. Authors interested in discussing potential topics for future volumes should feel free to contact the Series Editor, Seth Rasmussen (seth.rasmussen@ndsu.edu). Please visit <http://www.springer.com/series/10127> for more detailed information on available volumes and guidelines for submitting volume proposals.

Seth C. Rasmussen, Series Editor

Message from the HIST Program Chair

Hello once again from your humble HIST Program Chair. I am happy to report that we have a fairly healthy lineup of programming for the upcoming meeting in Dallas, which consists of two and a half days of talks spanning three focused symposia, as well as our regular General Papers session on Sunday morning. In addition, Vera Mainz will be presenting the HIST tutorial for Dallas, entitled *HIST Tutorial: Chemistry and materials for energy – A history of batteries*. The only weakness in the Dallas programming is our representation in SciMix, where we will only have a single poster to represent the division. As a reminder, SciMix is the single best opportunity for us in HIST to share the history of chemistry with the rest of the ACS membership, **most of which are unaware that ACS even has a HIST division!** As such, please consider participating in SciMix when submitting your abstracts to HIST. While it does mean preparing a poster in addition to your regular oral presentation, it goes a very long way in promoting the division and contributing to its continued health and prosperity.



In other programming-related news, the Abstract System Replacement Advisory Group (of which I serve as a member) continues to work towards the pending replacement of PACS. For those who might have missed the announcement, ACS and the Advisory Group have selected the Scholar One system, owned by Thompson Reuters, as the replacement for PACS. Scholar One is also the system currently in use by ACS Publications for all manuscript submissions, reviewing, etc. and thus many of us within the Advisory Group have confidence in its ability to meet our needs in abstract submissions and conference programming. The Advisory Group is currently beginning the process of system testing, with the goal of having new system in place for the Denver (Spring 2015) call for papers.

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, 247th ACS Meeting in Dallas, TX, March 16-20, 2014

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

Bringing Chemistry to the Public: A Historical Look at the Popularization of Chemistry

Cosponsored by CHED

This half-day symposium aims to present the various ways that have been undertaken through the past two to three centuries to make chemistry more accessible to audiences of all ages, including popular books, science kits, and more recently - TV programs. The symposium will be **Sunday afternoon**, March 16, at the Omni Dallas Hotel – South Side 1.

N. V. Tsarevsky, Organizer

Fifty Years of the James Flack Norris Award: The Foundations of Physical Organic Chemistry

Cosponsored by NESACS and ORGN

Fifty years ago, in 1965, Sir Christopher Ingold [of S_N1, S_N2 and (R,S)-Cahn-Ingold-Prelog fame] received the first James Flack Norris Award in Physical Organic Chemistry. The following five years saw Louis P.

Hammett, Saul Winstein, George S. Hammond, Paul D. Bartlett and Frank H. Westheimer receive that award. This ACS national award has honored the world's greatest physical organic chemists for their contributions to this field. To celebrate the Golden Jubilee of the James Flack Norris Award in Physical Organic Chemistry, HIST is showcasing a celebratory symposium at the Dallas ACS National Meeting. Twelve previous recipients of the James Flack Norris Award in Physical Organic Chemistry will participate. Arthur Greenberg will also present a lecture on James Flack Norris, the man and his science and the session will conclude with a panel discussion to highlight the excitement and achievements of physical organic chemistry in the 20th Century. The symposium will be **Monday morning and afternoon**, March 17, at the Omni Dallas Hotel – South Side 1.

J. Seeman and E. Strom, Organizers

History of Chemistry in North Texas

Cosponsored by ACS DFW

This symposium features four histories of chemistry departments in the Dallas-Fort Worth Metroplex and the history of three industrial laboratories in the same area. The University of Texas at Arlington, Texas Christian University, and the University of North Texas all have histories dating back over 100 years, while the University of Texas at Dallas only came into existence in 1968. The 1970s saw the flowering of all four institutions as their chemistry graduate programs came into existence. Texas Instruments and the Mobil Field Research Laboratory date back to the 1930s, although under different names, while Alcon Laboratories was founded by two pharmacists in 1945. All three industrial laboratories made significant advances in their respective areas. Regrettably, the Mobil Field Research Laboratory went out of existence with the purchase of Mobil by Exxon. The symposium will be **Tuesday morning**, March 18, at the Omni Dallas Hotel – South Side 1.

E. Strom, Organizer

UPCOMING NATIONAL MEETINGS AND HIST DEADLINES

Offerings are subject to change. Check the [HIST website](#) for updates.

San Francisco, August 10-14, 2014

Submit your abstract via the online ACS Program and Abstract Creation System (PACS) by **March 14th, 2014**. 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@nds.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@nds.edu

HIST Award Symposium Honoring Ernst Homburg. (Invited) Peter Morris, Science Museum, Exhibition Road London, SW7 2DD United Kingdom, Email: peter.morris@sciencemuseum.ac.uk; Gary D. Patterson, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213, Phone: 412-268-3324, Email: gp9a@andrew.cmu.edu

Found and Lost: Incredible Tales of Spurious, Erroneous and Rehabilitated Elements (Invited and **Seeking contributors**) Mary Virginia Orna, Department of Chemistry, College of New Rochelle, New Rochelle, NY 10805, Phone: (914) 654-5302, Email: maryvirginiaorna@gmail.com; Marco Fontani, Email: marco.fontani@unifi.it

Science and Legacy of Attila Pavlath (Invited and **Seeking contributors**) Jan Hayes, Hayes, 6829 Barbara Lee Circle, Sacramento, CA 95842, Phone: (916) 331-6886, Email: janan.hayes@yahoo.com

Symposium on the HIST Citation for Chemical Breakthrough Award Program (Invited) Jeffrey I. Seeman, Department of Chemistry, University of Richmond, Westhampton Drive, Richmond, VA 23173, Phone: (804) 794-1218, Email: jiseeman@yahoo.com

Denver, March 22-26, 2015

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

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.

Kiran Mazumdar-Shaw to Receive the 2014 Othmer Gold Medal

Kiran Mazumdar-Shaw, chairman and managing director, Biocon Limited, will receive the 2014 Othmer Gold Medal at the Chemical Heritage Foundation on Thursday, May 15. The Othmer Gold Medal presentation will be the premier event of CHF's 13th annual Heritage Day. Kiran Mazumdar-Shaw is a pioneer of the biotechnology industry in India and the head of that country's leading biotechnology enterprise. She is a first-generation entrepreneur, using the knowledge and skills she gained in becoming India's first female brewmaster to create a globally recognized biopharma enterprise. Biocon, India's largest insulin maker, developed pichia-based recombinant human insulin, which Biocon distributes to more than 40 countries. Under Mazumdar-Shaw's leadership Biocon has become a well-recognized global brand. Named among TIME magazine's 100 most influential people in the world, Mazumdar-Shaw has made affordable innovation the foundation of her business model. Recently, the Economic Times placed her among India's top 10 most powerful female chief executives for 2012. Nature Biotechnology named her the most influential biotechnology businessperson outside Europe and the United States.

Kiran Mazumdar-Shaw will be the 20th recipient of the Othmer Gold Medal and the third woman to receive CHF's most coveted award. CHF established the Othmer Gold Medal in 1997 to honor outstanding individuals who have made multifaceted contributions to our chemical and scientific heritage through outstanding activity in such areas as innovation, entrepreneurship, research, education, public understanding, legislation, or philanthropy. The medal is presented annually and cosponsored by CHF and four affiliated organizations: the American Chemical Society (ACS), the American Institute of Chemical Engineers (AIChE), the Chemists' Club, and the Société de Chimie Industrielle. The medal commemorates Donald Othmer (1904–1995), noted researcher, consultant, editor, engineer, inventor, philanthropist, professor, and coeditor of the Kirk-Othmer Encyclopedia of Chemical Technology.

Lynwood Swanson to Receive Pittcon Heritage Award

The Chemical Heritage Foundation (CHF) will present the 2014 Pittcon Heritage Award to Lynwood W. Swanson, cofounder and former chairman, CEO, and chief scientist of FEI Company. Swanson will receive the award in recognition of his establishment and leadership of one of the world's largest instrument companies, as well as his landmark development of liquid-metal ion sources. He founded FEI Company in 1973 and led this producer of electron- and ion-beam instruments for three decades. In 2012 FEI ranked among the top 15 instrumentation companies in the world.

This 13th annual award will be presented at Pittcon 2014 in Chicago. The award will be presented at the opening plenary session on Sunday, March 2. Jointly sponsored by the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon) and CHF, this award recognizes outstanding individuals whose entrepreneurial careers have shaped the scientific instrumentation community, inspired achievement, promoted public understanding of the modern instrumentation sciences, and highlighted the role of analytical chemistry in world economies.

In the early 1970s Swanson became a professor of applied physics at Linfield College. In 1973 he created his own start-up, Field Electron and Ion (FEI), to commercialize field emission-based beam sources for electron microscopes and other devices. He then moved to a professorship at the Oregon Graduate Institute of Science and Technology near Hillsboro and relocated his company nearby. By the early 1980s Swanson had a substantial field-emission academic research group, and FEI had grown to become a major supplier of electron and ion sources. In these years FEI created a focused ion beam for microelectronics work for Intel Corporation, which eventually led to FEI becoming the major producer of these instruments for the semiconductor industry. In 1987 Swanson left his academic post to run FEI full time as its CEO.

Swanson personally pioneered the commercialization of advanced electron- and ion-beam sources for electron microscopy and focused ion-beam instruments. In the mid-1990s, after taking FEI public, Swanson merged FEI with Philips's long-standing electron microscope division and with a rival ion-beam instrument producer. In the early 21st century FEI became a leading producer of scanning and transmission electron microscopes, as well as dual-beam instruments that combine focused ion beams with electron microscopy and other analytical detectors.

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.

Special November Issue of *Ambix*

The 4th issue of *Ambix* is a special issue guest edited by Tara Nummedal (Brown University), which features four articles on 'Alchemy and Religion in Christian Europe'. This special issue highlights the work of established scholars alongside two recent PhDs and members of the SHAC Graduate Network: Georgiana (Jo) Hedesan and Donna Bilak. The volume spans the thirteenth to the eighteenth centuries, considers Catholic, Protestant, and Jewish perspectives, and incorporates alchemists' scholarly, medical, and transmutation aspirations to explore some of the distinctive ways that alchemy resonated with medieval and early modern religious culture.

First Issue of Sources of Alchemy and Chemistry

SHAC is proud to announce the launch of a new series of monograph-length volumes: *Sources of Alchemy and Chemistry: Sir Robert Mond Studies in Early Chemistry*. This series provides critical editions and English translations of some of the foundational texts in the history of alchemy and early chemistry. The series is named in honour of the Society's first and only President, Sir Robert Mond (1867–1938). The publication of this series has been made possible by the extremely generous support of Robert Temple, and will be made available free of charge to all SHAC members.

The series is under the general editorship of Professor Lawrence M. Principe (Johns Hopkins University) and Dr. Jennifer M. Rampling (University of Cambridge). The international editorial board is comprised of Professor Charles Burnett (Warburg Institute), Dr Michèle Mertens (Université de Liège) and Professor Cristina Viano (CNRS, Paris).

The first monograph in the series is one of the earliest known chemical texts: the *Four Books of Pseudo-Democritus*, edited by Dr Matteo Martelli (Berlin). Martelli presents not only a fresh edition and

translation of the surviving Greek fragments, but also, for the first time, additional materials preserved in Syriac. The volume also presents important examples of the medieval and early modern reception of these writings, including the dialogue of Synesius and Dioscorus – the most influential Byzantine commentary on the *Four Books* – and previously unpublished Latin translations of both the *Four Books* and Synesius' commentary made by Matthaëus Zuber in 1606. Accompanied by a full introduction and commentary, these sources offer new and significant insights into the world of ancient chemistry: practical recipes and lists of ingredients, clues to the doctrinal content of ancient alchemy, and early hints of a tradition that linked the alchemist 'Democritus' to the wisdom of Egypt and Persia.

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.

Spontaneous Generations: A Journal for the History and Philosophy of Science—Call for Papers

"Spontaneous Generations" is an open, online, peer-reviewed academic journal published by graduate students at the Institute for the History and Philosophy of Science and Technology, University of Toronto. It has published seven issues and is a well-respected journal in the history and philosophy of science and science and technology studies. We invite interested scholars to submit papers for our eighth issue. We welcome submissions from scholars in all disciplines, including but not limited to History and Philosophy of Science (HPS), STS, History, Philosophy, Women's Studies, Sociology, Anthropology, and Religious Studies. Papers examining any time period are welcome.

The eighth issue of *Spontaneous Generations* will appear in September 2014. Submissions for the eighth issue should be sent no later than March 14, 2014. For more details, please visit the journal homepage at <http://spontaneousgenerations.library.utoronto.ca>.
