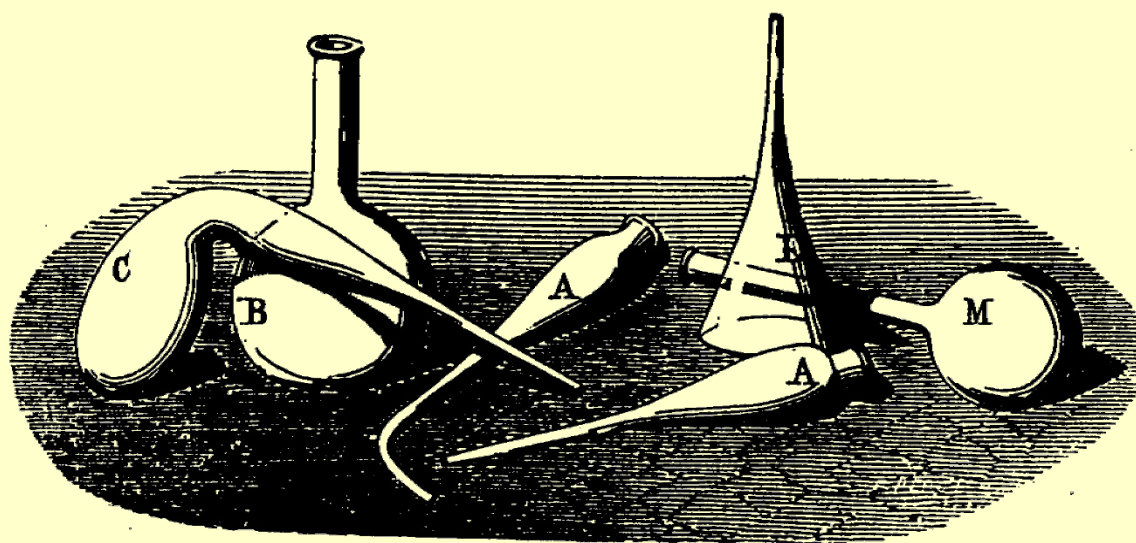




**ACS**  
Chemistry for Life®



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



**NEWSLETTER**

261<sup>st</sup> ACS National Meeting  
Online  
April 5-30, 2021

*Nicolay V. Tsarevsky, Program Chair*

## Officers - Division of the History of Chemistry

**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](mailto:seth.rasmussen@ndsu.edu)

**Chair-Elect:** Arthur Greenberg  
Department of Chemistry  
University of New Hampshire  
Parsons Hall  
Durham, New Hampshire 03824  
Phone: 603-862-1180  
Email: [art.greenberg@unh.edu](mailto:art.greenberg@unh.edu)

**Past Chair:** Daniel Rabinovich  
Department of Chemistry  
UNC Charlotte  
9201 University City Blvd.  
Charlotte, NC 28223  
Phone: 704-687-5105  
Fax: 704-687-0960  
Email: [drabinov@uncc.edu](mailto:drabinov@uncc.edu)

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

**Program Chair:** Nicolay V. Tsarevsky  
Department of Chemistry  
Southern Methodist University  
3215 Daniel Avenue  
Dallas, TX 75275  
Phone: 214-768-3259  
Email: [nvt@smu.edu](mailto:nvt@smu.edu)

**Bulletin Editor:** Carmen J. Giunta  
4827 Cavalry Green Dr.  
Manlius, NY 13104  
phone: 315-632-4992  
Email: [giunta@lemoyne.edu](mailto:giunta@lemoyne.edu)

**Councilor:** Mary Virginia Orna  
ChemSource, Inc.  
39 Willow Drive  
New Rochelle, NY 10805  
Phone: 914-310-0351  
Email: [maryvirginiaorna@gmail.com](mailto:maryvirginiaorna@gmail.com)

**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](mailto:rae4@psu.edu)

**Alternate Councilor:** David E. Lewis  
Department of Chemistry  
UW-Eau Claire  
PO Box 4004  
Eau Claire, WI 54702  
Phone: 715-836-4744  
Fax: 715-836-4979  
Email: [lewisd@uwec.edu](mailto:lewisd@uwec.edu)

**Alternate Councilor:** Christopher L. Heth  
Division of Science  
Cyril Moore Science Center, Rm 331  
Minot State University  
500 W University Ave.  
Minot, North Dakota 58703  
Phone: 701-858-3084  
Email: [christopher.heth@minotstateu.edu](mailto:christopher.heth@minotstateu.edu)

**Historian:** Gary Patterson  
3725 Wauna Vista Drive  
Vancouver, WA 98661  
Phone: 412-480-0656  
Email: [gp9a@andrew.cmu.edu](mailto:gp9a@andrew.cmu.edu)

**Archivist:** John Sharkey  
1559 Grouse Lane  
Mountainside, NJ 07092  
Phone: 908-654-3432  
Email: [johnbsharkey@me.com](mailto:johnbsharkey@me.com)

## 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

When I gave my first HIST talk back in the spring of 2004, I never imagined making history an integral part of my research activities, much less one day serving as the chair of the division. Yet here I am, and I am honored to help lead the division as the HIST Chair for the next two years. Of course, I expect this to come with some significant challenges. HIST and the ACS are at somewhat of a crossroads, as we learn to move forward from the pandemic, particularly in terms of programming and conferences. With the shift to completely virtual meetings, HIST did not offer programming for the Fall 2020 meeting, but we are now in the process of preparing to hold our first fully virtual sessions for the upcoming Spring meeting, which I am sure will be a learning experience for many of us. Of course, the bigger question is what does the future of ACS meetings look like? Will virtual meetings become the new normal, and if so, what will HIST need to do to ensure that we are able to continue providing the type of programming and networking experiences that all of us value as part of HIST technical sessions at national meetings? This will be a particular focus for many of us on the HIST Executive Committee in the coming year and we welcome your input as to ways you might think we should meet this challenge.



At the same time, however, the core of HIST will remain unchanged and we will continue to provide essential benefits such as the internationally recognized *Bulletin for the History of Chemistry* and our important divisional award programs. At the same time, HIST will continue to strengthen its position both in the ACS and within the greater global historical community, particularly with respect to its long history of interaction and cooperation with the Science History Institute (formerly the Chemical Heritage Foundation). With this last point in mind, I will be representing HIST at the 26<sup>th</sup> International Congress of History of Science and Technology in Prague this July, as part of the Commission for the History of Chemistry and Molecular Sciences. Of course, this too will be now held virtually, so unfortunately my trip to Prague will now be from my office in North Dakota.

Lastly, a longstanding goal during my time in HIST has been to increase participation from students and younger researchers, such that we have the necessary pipeline of developing chemist-historians and future HIST leaders. I certainly would not be the chemist-historian that I have become if it was not for the encouragement and mentoring provided by many within the division, and I want to be able to repay this by similarly providing such help and encouragement to others with a growing interest in our shared history. This will remain a focus during my time as HIST Chair and I plan to continue

or expand ongoing efforts such as our greater visibility and participation in ACS Regional Meetings and workshops/tutorials on beginning research projects in the history of chemistry. On this note, I strongly encourage our younger HIST members to become more active in the division. If you are interested in ways that you might contribute and/or increase your participation, please do not hesitate to contact me.

In closing, my sincere thanks to Dan Rabinovich for his leadership over the last two years, as well as to all of the other officers and volunteers who keep the division moving forward.

*Seth C. Rasmussen, HIST Chair*

## **Report of Councilors, Division of the History of Chemistry 260th ACS National Meeting – San Francisco, CA, August 19, 2020**

The Council meeting was held virtually due to the ongoing global COVID-19 pandemic that continues to affect our personal lives and our work. Councilors were urged to take into account their own actions and habits to make their own communities safer. Councilors were advised to use their positions as members of the scientific enterprise to spread helpful messages and encourage the safe practice of mask wearing, physical distancing, and limiting exposure within your communities.

The continuous and ongoing struggle in this country to create a safe and equitable society for all was brought to Council's attention. The ACS encourages inclusivity and opposes discrimination in scientific learning and practice. Councilors were urged to take active roles in dismantling any barriers that may deter or impede their colleagues in their research or careers. Councilors and guests were encouraged to review the ACS statements on diversity and reflect on how to implement these in their local sections and divisions.

### **Actions of the Council**

#### **1. Elections**

##### ***Election Results: Candidates for Service on Standing Committees***

By electronic ballot, the Council elected **Elizabeth M. Howson, Zaida C. Morales-Martinez, Margaret J. Schooler, & Jeanette M. Van Emon** for 3-year terms (2021-2023), & **Mark D. Frishberg** for a 1-year term (2021) on Council Policy Committee (CPC).

Gary D. Anderson	97	*Elizabeth M. Howson	244
Brian B. Brady	146	James M. Landis	158
Mitchell R. M. Bruce	170	*Zaida C. Morales-Martinez	278
James C. Carver	148	*Margaret J. Schooler	237
*Mark D. Frishberg	171	*Jeanette M. Van Emon	201

By electronic ballot, the Council elected **Martha G. Holloman, Diane Krone, Sara M. Mullins, Andrea B. Twiss-Brooks and Javier Vela** for three-year terms (2021-2023) on the Committee on Committees (ConC).

Catherine E. Costello	149	Michael D. Mosher	170
Debbie M. Decker	76	*Sarah M. Mullins	227
Harry J. Elston	125	Susan J. Olesik	180
*Martha G. Holloman	226	*Andrea B. Twiss-Brooks	203
*Diane Krone	213	*Javier Vela	208

By electronic ballot, the Council elected **Jetty L. Duffy-Matzner, Kevin J. Edgar, Neil D. Jespersen, Julianne M. D. Smist and Linette M. Watkins** for three-year terms (2021-2023) on the Committee on Nominations and Elections (N&E).

Thomas R. Beattie	131	Michael J. Kenney	110
Mark A. Benvenuto	153	R. Daniel Libby	144
*Jetty L. Duffy-Matzner	252	Robert A. Pribush	144
*Kevin J. Edgar	162	*Julianne M. D. Smist	239
*Neil D. Jespersen	195	*Linette M. Watkins	29

## 2. Other Council Actions

### *Key Actions*

On the recommendation of the Committee on Committees, and with the concurrence of the Council Policy Committee, Council approved the Petition to Clarify Amendments to the Standing Rules and disbanded the Joint Board-Council Committee on Chemical Abstracts Service, contingent on approval by the Board of Directors.

### *Establishment of an International Chemical Sciences Chapter*

On the recommendation of the Committee on International Activities, and with the concurrence of the Council Policy Committee, Council approved the creation of an ACS International Chemical Sciences Chapter in Israel, contingent on approval by the Board of Directors.

### *Redistricting of a Local Section*

On the recommendation of Nominations & Elections, the Council voted that the Pittsburgh Local Section be transferred from District II to District III in order to bring District III's member population into compliance with bylaw requirements.

### *Resolutions*

The Council passed resolutions

- In memory of deceased Councilors;
- Acknowledging Luis Echegoyen's service as ACS President

## **Highlights from Committee Reports**

### **1. Nominations and Elections**

The Committee on Nominations and Elections solicits Councilors' input of qualified individuals for President-Elect, Directors, and the three Elected Committees for future consideration. Suggestions can be sent to [nomelect@acs.org](mailto:nomelect@acs.org)

Ballots for the 2020 fall national election will be distributed starting on September 28th, with a voting deadline four weeks later on October 23rd. ACS members eligible to vote and with an email address on file will receive an electronic ballot with the option to request a paper ballot. Those members with no email address on file will be sent a paper ballot with the option to vote electronically. The ACS election vendor, Survey & Ballot Systems, will send three email reminders during the voting period to those who have not voted as of the reminder dates. N&E encouraged all ACS members to vote for President-Elect. Election information may be viewed at [acs.org/elections](http://acs.org/elections).

## 2. Budget and Finance

The Society's 2020 financial performance through July 31st yielded a Net from Operations of \$55.7 million, or \$25 million greater than the same period in 2019. Total revenues are \$354 million, 5% ahead of last year, and total expenses are \$298 million, or 3 percent below last year. Unrestricted Net Assets increased to \$466 million. The committee approved one program reauthorization request and one new pilot program request for consideration by the Board of Directors.

The most direct revenue impact to the Society related to the COVID pandemic has been to meeting-related revenues with the termination of the in-person Spring National Meeting and termination of the in-person Green Chemistry Conference. Significant effort has been devoted to expense management. The Society expects to meet its budgeted net contribution of \$41.3M.

### *San Francisco Meeting Attendance*

The theme of the 258<sup>th</sup> ACS National Meeting was "Moving Chemistry from Bench to Market." As of August 19, registration broken down by category was:

Members	3,494
Student Member	1,638
Unemployed Member	25
Non Member	945
Student Non Member	401
<b>Total</b>	<b>6,477</b>

### *Virtual Presentation Uploads*

All Inclusive (SciMtgs)	1,735
Virtual Platform Only	1,655
Temporary Access Option	640
Presentation Uploads	4,067

### Other Society Business

- The Board held a **strategic discussion** on ways to turn the **ACS Core Value of Diversity, Inclusion, and Respect**, one of the most important strategic issues facing the Society today, into a prioritized action plan for the coming years. The development of such a plan would be undertaken in collaboration with the Advisory Board on Diversity, Inclusion and Respect and would promote the coordination of committee activities so as to emphasize the urgency of "moving the needle" both within ACS and in the broader chemistry enterprise.
- The Board received an update on the development of a re-envisioned **Professional and Leadership Development Portfolio**. The portfolio will position ACS to cultivate strategic partnerships with colleges and universities, corporations, and government agencies. There will be a continued focus on

members/potential members as well, one adhering to the goal of developing Highly Effective Professionals, which is the center point of the project framework developed by the NextGen Task Force on Leadership Development in December 2019.

- The Board received an initial debrief, led by the Chief Executive Officer, of the first-ever **virtual ACS National Meeting and Exposition**. There will be a complete review and assessment of the event from multiple perspectives in the weeks to come.
- The debrief noted above provided a lead-in to and context for a status update from the **Task Force on the Future of Meetings**. This task force has been charged with performing a “deep dive” on the current portfolio of ACS meetings and conferences, identifying current offerings, evaluating governance and staff support structures, revenue streams, financial targets, and business models, and recommending actions that will ensure the sustainability and future relevance of that portfolio.
- The Board offered a resolution in memory of **Nina I. McClelland**, a member of the ACS Board of Directors (1996-2004) who also served as its Chair (2001-2003).

### **Board Approval of Council Action**

- The Board of Directors voted to confirm the amendments to Bylaw XI, per the Petition to Clarify Amendments to the Standing Rules approved by Council on August 19.
- The Board of Directors voted to confirm the disbanding of the Joint Board-Council Committee on Chemical Abstracts Service in accordance with Council action on August 19.
- The Board of Directors voted to authorize the formation of the Israel International Chemical Sciences Chapter in accordance with Council action on August 19.

### **HIST Councilors**

Mary Virginia Orna is serving as a member of the Divisional Activities Committee (DAC) and the DAC Technical Programming and Collaboration Subcommittee. The subcommittee is exploring ways of adjusting to the reality of virtual meetings, especially with respect to the Convergent Communities initiative.

Roger Egolf is serving as a member of the Meetings and Expositions Committee (M&E) and its Technical Program Subcommittee. That subcommittee is responsible for advising the ACS meetings staff on the format of national meeting technical programming and the allocation of meeting rooms to the various divisions.

*Prepared and submitted by Mary Virginia Orna and Roger Egolf, HIST councilors*

## News and Announcements

### Awards

#### *HIST Award*

The Division of the History of Chemistry (HIST) of the American Chemical Society is pleased to announce that Dr. Mary Virginia Orna will receive the 2021 HIST Award for outstanding achievement in



the history of chemistry “for her exemplary leadership in the worldwide community of the history of chemistry, especially for her original research in the area of color and pigment chemistry and the discovery of the elements, her commitment to education, her decades of service to the Division of History of Chemistry, and her continuing role in supporting and participating in the worldwide research in the archeology of chemistry.” The award is international in scope and is the successor to the Dexter Award (1956-2001) and the Sydney M. Edelstein Award (2002-2009), also administered by the Division of the History of Chemistry (HIST) of the American Chemical Society.

Mary Virginia Orna was born and raised in New Jersey. She received a B.S. in Chemistry in 1955 from Chestnut Hill College, Philadelphia, PA. It is a Roman Catholic college with an outstanding reputation in the sciences. She pursued graduate education in Analytical Chemistry at Fordham University in New York and received her Ph.D. in 1962 under Michael Cefola. She completed her preparation for her professional life at the Catholic University of America in Washington, D.C. and received an M.A. in Religious Education in 1967. Sister Dr. Orna joined the College of New Rochelle (New York) in 1966 and is now Professor of Chemistry Emerita. Throughout most of its history, the College of New Rochelle was a private, Roman Catholic, women’s college. Although she is being

honored for her contributions to the worldwide community of historians of chemistry, she has devoted her life first to her Ursuline order and to her students, both in her own college and in the rest of the world. She has received many awards for her devotion to chemical education, including the CASE New York State Professor of the Year in 1989 and the ACS George C. Pimentel National Award in Chemical Education in 1999. She continues her efforts to inform and educate the world about Chemistry through her NSF spin-off enterprise, ChemSource.

Although her professional base was in New Rochelle, she has often posted to other locations to pursue some of her many passions. She became Director of Educational Services at the Chemical Heritage Foundation (now Science History Institute) in Philadelphia from 1997-2000. She was also the Editor of Chemical Heritage Magazine. Dr. Orna was instrumental in founding the Edelstein Center for the Analysis of Middle Eastern Textiles and Artifacts. During her Fulbright Fellowship in Israel (1994-95), she lectured at Hebrew University, the Weizmann Institute of Science and the Shenkar College of Textile Technology. During her posting to Rome she partnered with Marco Fontani and Mariagrazia Costa to produce *The Lost Elements: The Periodic Table’s Shadow Side* (2015). Wherever she has been, she has reached out to the worldwide community of chemical historians for the benefit of all.

Sister Orna joined the Division of the History of Chemistry in 1976 and rapidly became an essential member of the Executive Committee. She served as Chair in 1984 and as Treasurer in 1989-90. She has been a Division Councilor for more than 30 years and has served on all the elected and standing ACS Council Committees. She received the ACS Volunteer Service Award in 2009. Her life of dedicated and unselfish service to the American Chemical Society community, local, regional and national, was honored with the 2018 Radding Award.

Sister Professor Dr. Mary Virginia Orna is the recipient of the 2021 HIST Award for Outstanding Lifetime Achievement in the History of Chemistry. She has devoted her technical career to the study of color and its role in human culture: *The Chemical History of Color* (2013). She has been a champion of the Archeological Chemistry community:



*Archeological Chemistry: A Multidisciplinary Analysis of the Past* (with Seth Rasmussen, 2019). She has been a leader in the appreciation of the geography of Chemistry: *Science History: A Traveler's Guide* (2014), and has made major contributions to the understanding of the chemical elements: *Development of the Periodic System and its Consequences* (*Substantia* special issue, with Marco Fontani, 2019). Professor Orna appreciates the personal side of Chemistry and has published biographies: *Carl Auer von Welsbach: Chemist, Inventor, Entrepreneur* (2017). Her achievements in pure history of chemistry would easily qualify her for this Award.

One of the ways in which Dr. Orna has blessed the worldwide community in the History of Chemistry is as an organizer of symposia (with corresponding books): History and Preservation of Chemical Instrumentation (1985); Electrochemistry, Past and Present (1989); Chemistry's Role in Food Production and Sustainability: Past and Present (with Gillian Eggleston and Alvin Bopp, 2019). She is also one of the most frequent contributors to symposia organized by others (dozens of papers). Her role in the growth and development of historians of chemistry is another one of her major achievements (dozens of people). Sister Orna has also taken a leadership role in researching the contributions of women scientists to the history of chemistry: *Dame Kathleen Lonsdale: Scientist, Pacifist, Prison Reformer* (2018).

Sister Dr. Mary Virginia Orna has accomplished much for the History of Chemistry. She has served this community with both grace and humor. She has helped to establish HIST within both the ACS and the worldwide community of historians of chemistry.

### ***Paul R. Jones Best Paper Award***

The winner of the Best Paper Award for 2017 is Emeritus Professor Carmen Giunta of the Le Moyne College in Syracuse, NY. The paper was "*Isotopes: Identifying the Breakthrough Publication*," published in the *Bulletin of the History of Chemistry*, volume 42, number 2, 2017, pp. 103-111. This paper is the result of work for the History of Chemistry Division of the American Chemical Society Citation for Chemical Breakthrough Award that Carmen performed in connection with the award for "*Isotopes*", which was awarded to the University of Glasgow for Frederick Soddy's publication in *Nature* (92, 399-400 (1913)).

Carmen Giunta received his B.S. in Chemistry (*summa cum laude* with Honors) from the University of Scranton



in 1982. He received his Ph.D. in Chemical Physics from Harvard University in 1989. After serving as a Post-Doctoral Fellow for a year at Harvard, he joined Le Moyne College in 1990. He is currently Professor of Chemistry Emeritus at Le Moyne.

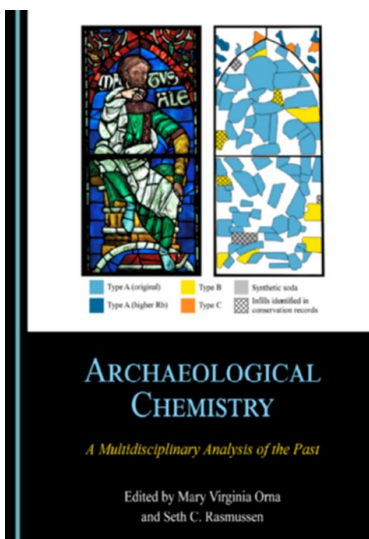
Carmen developed an interest in the History of Chemistry early in his academic career and joined the ACS Division of the History of Chemistry in 1996. By 2002 he was serving as an Alternate Councilor. He was very active in planning symposia. I fondly remember the one on "*200 Years of Atoms in Chemistry: From Dalton's Atoms to Nanotechnology*" at the 2008 ACS meeting in Philadelphia. Another great symposium was held in Anaheim in 2011 on "*What's in a Name? Histories of Units and Constants*." Carmen has served on the ACS Committee on Nomenclature, Terminology, and Symbols from 2008 through 2019.

In 2011, Carmen Giunta became the Editor of the *Bulletin for the History of Chemistry*. He had been a regular contributor to the *Bulletin* and was the unanimous choice to succeed Paul R. Jones.

## History of Chemistry Books

### *A New New Archaeological Chemistry Volume*

Continuing the long history of archaeological chemistry volumes published under the auspices of the Division of the History of Chemistry, the newest entry in this series was recently published by Cambridge Scholars Publishers (Newcastle upon Tyne, UK;



<https://www.cambridgescholars.com>) in December of 2020. Entitled *Archaeological Chemistry: A Multidisciplinary Analysis of the Past*, the volume was edited by Mary Virginia Orna and Seth C. Rasmussen and is based on the multi-day symposium that took place at the ACS 2019 Spring National Meeting in Orlando, Florida. Consisting of 18 chapters written by a diverse collection of international authors, this volume presents new research in archaeological chemistry collected under four major archaeological headings: Applications to Education, Materials Science, Analysis of Organic and Coloring Materials. In addition to providing current advancements in analysis, this volume aims to highlight the unique multidisciplinary nature of the field that combines aspects of analytical chemistry, history, archaeology, and materials science, while also illustrating efforts to include archaeological chemistry in science education. As this subject utilizes current scientific advances to better understand our past, this should be of broad general interest to the chemical, archaeological, and historical communities. A full list of the available chapters and the corresponding details can be found at <https://www.cambridgescholars.com/product/978-1-5275-5979-0>.

## Announcements

### *2021 Morris Award Call for Nominations*

The Society for the History of Alchemy and Chemistry (SHAC) solicits nominations for the 2021 John and Martha Morris Award for Outstanding Achievement in the History of Modern Chemistry or the History of the Chemical Industry. This award honours the memory of John and Martha Morris, the late parents of Peter Morris, the former editor of *Ambix*, who has contributed the endowment for this award. The recipient chosen to receive the Morris Award will be expected to deliver a lecture at a mutually convenient meeting, where the awardee will be presented with an appropriate framed photograph, picture or document and the sum of £300. The award is international in scope, and nominations are invited from anywhere in the world. The award is not limited to professional historians or members of SHAC and chemists with a track record in publishing the history of modern chemistry and/or the history of the chemical industry are invited to apply or be nominated.

A complete nomination consists of a complete curriculum vitae for the nominee, including biographical data, educational background, awards, honours, list of publications, and other service to the profession; a letter of nomination summarising the nominee's outstanding scholarly achievement in either the history of the chemical industry or in the history of recent chemistry (post -1945) and the unique contributions that merit this award; and names of two or three individuals for the panel to contact for further information if needed.

Only complete nominations will be considered for the award and the nomination documents must be submitted in electronic form. The Award will be judged by the selection panel on the basis of scholarly publication. All nomination materials should be submitted by e-mail to Peter Morris at [doctor@peterjtmorris.plus.com](mailto:doctor@peterjtmorris.plus.com) and a separate email which indicates that the material has been submitted should be sent to the same address (a precaution in case of incomplete transmission of documents) for arrival no later than 1 May 2021.

More information can be found on the Society's website here: <https://www.ambix.org/morris-award/>. Please address any queries, including issues of eligibility, to the Secretary of the Awards Committee at [doctor@peterjtmorris.plus.com](mailto:doctor@peterjtmorris.plus.com).

***ACS Division of the History of Chemistry (HIST)  
Centennial, January 1, 2022***

While I am not in the habit of citing a Pope to support my remarks, there is one timely statement by Pope Francis that resonates with the purpose of this article: “This is perhaps among the most baffling paradoxes...: in order to progress towards the future, we need the past, we need profound roots.” (Address of Pope Francis to the Council of Europe; Strasbourg, November 25, 2014.)

The ACS Division of the History of Chemistry (HIST) has these profound roots: on January 1, 2022, it will celebrate its hundredth birthday as an ACS Division. Founded by Edgar Fahs Smith (1854-1928) and others, it “grew up” parallel to its “twin,” the Division of Chemical Education. Today, HIST has over 1,000 members from every sector of the ACS, programs regularly at ACS National Meetings and at many regional meetings, publishes two Newsletters per year, and for 43 years has published an internationally recognized peer-reviewed journal, the *Bulletin for the History of Chemistry*. Its publishing record also includes 37 history-related volumes published over the course of the past 60 years that include topics in archaeological chemistry, biography, centennials and other landmark anniversaries, history of chemical sub-disciplines, chemical entertainment and history of chemistry outside non-ACS venues.

While many of these activities fulfill HIST’s stated mission to advance knowledge and appreciation of the history of the chemical sciences, HIST also serves as a resource for chemical scientists in general, recognizes past major achievements in the chemical sciences, and interacts with other organizations interested in the history of science.

Two major projects to celebrate its Centennial Year are currently in development:

(1) The Centennial History of the Division of the History of Chemistry: A thorough treatment of what happened before, during the foundation, during its evolution and up to the present. The project will be open access and published online. Gary Patterson ([gp9a@andrew.cmu.edu](mailto:gp9a@andrew.cmu.edu)), the Editor, welcomes contributions: please send written material, photographs, ephemera, etc. to him and indicate if you wish to author a full or part chapter. 50 chapters are projected.

(2) The *Bulletin for the History of Chemistry* is preparing a special Centennial issue in HIST’s honor.

Guest editor Jeffrey I. Seeman and Editor in Chief Carmen Giunta have obtained commitments from recipients of HIST’s major awards and current leaders in the history of chemistry to write on the theme “Novel Insights in the History of Chemistry: Looking Back Yet Mostly Looking Forward.” topics and concepts ripe for exploration, opportunities for interdisciplinary investigations, and new ways of analyzing previously studied topics will be featured. The issue will be open access to all; HIST members will receive hard copies.

***HIST Fellows added to Divisional Award Programs***

The HIST awards programs are an important part of the division’s mission to bring attention to not only historically significant publications (*Citation for Chemical Breakthrough*), but also scholarship by current historians of chemistry (*HIST Award for Outstanding Achievement in the History of Chemistry* and *Paul R. Jones Outstanding Paper Award*). The division is now happy to announce the addition of *HIST Fellows* to these ongoing divisional programs. The designation of HIST Fellow aims to recognize HIST members who have made a significant impact on the advancement of history in the chemical sciences, as well as dedicated service to the division, and is open to all current HIST members who have been in good standing for at least five years. Successful awardees must meet both criteria of scholarship and service, although what constitutes evidence of these criteria may be the loosely defined. In terms of scholarship, this could include history publications in the *Bulletin* or other journals, authoring or editing history-oriented books, or even extensive participation in HIST symposia. In terms of service, this could include service as an elected officer or member of the HIST Executive Committee, service on other history-focused committees within HIST, ACS, or other historical societies, significant organization of HIST symposia, or notable service to the general history community. HIST Fellows will be awarded yearly and will be given out as part of the annual HIST Awards Banquet. The award will consist of a certificate and a pin. Further details, including how to nominate potential candidates, will be released in the coming months.

*Submitted by Seth Rasmussen*

***The Division of Chemical Education celebrates its 100<sup>th</sup> anniversary***

In 1921, much of historical significance occurred. Einstein received the Nobel Prize in Physics that year; a baseball game was broadcast on radio for the first time (the Pirates beat the Phillies 8-5); Warren G. Harding was inaugurated to the Presidency; and Coco Chanel introduced the world to her still famous No. 5. And if this wasn't enough, in September 1921, many folks gathered in New York City for the ACS National Meeting, during which the ACS Division of Chemical Education (CHED) was born. So grab your best Gatsby garb and come join us for a special symposium, celebrating the 100<sup>th</sup> anniversary of the division of Chemical Education at the Atlanta national meeting – even better, submit an abstract!

*Submitted by Irv Levy (CHED)*

***The Flynn Research Group is looking for educators to help with studies in visualization***

Your participation will first consist of participating in a 10-15 min. questionnaire about your perspective on implementing a systems thinking (ST) approach, the types of barriers for implementing ST into your course(s), and your experience with ST. No specific prior knowledge needed to participate. To participate in the questionnaire, use the following link: <https://bit.ly/380xIz9>

The uOttawa Health Science and Science Research Ethics Board has approved the ethical components of the project. Your responses would be confidential and you would be given a pseudonym to protect your identity. Participation is voluntary. The findings from this questionnaire will help create potential solutions to overcome educator and student barriers and will allow us to determine the feasibility of this approach in different contexts. Your participation is important to help make this project a success!

If you have any questions about the study, you can contact the research team member, Alisha Szozda, at [aszoz104@uottawa.ca](mailto:aszoz104@uottawa.ca) or the Principal Investigator, Alison Flynn, at [alison.flynn@uottawa.ca](mailto:alison.flynn@uottawa.ca).

# BULLETIN FOR THE HISTORY OF CHEMISTRY

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

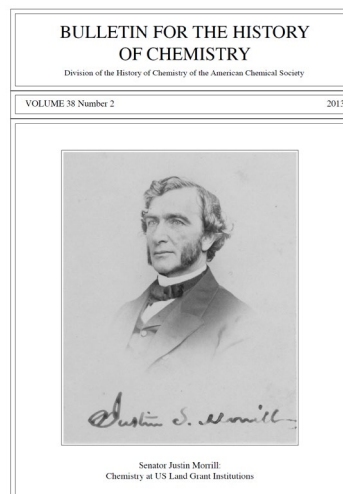
Available online: <http://acshist.scs.illinois.edu/bulletin/index.php>

**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](mailto: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://acshist.scs.illinois.edu/info/bull-info.php>

All matters relating to manuscripts, etc. should be sent to:

Prof. Carmen Giunta  
Editor, *Bulletin for the History of Chemistry*  
4827 Cavalry Green Dr.  
Manlius, NY 13104  
Email: [giunta@lemoyne.edu](mailto:giunta@lemoyne.edu)



## HIST Programming

### Message from the HIST Program Chair

Greetings to all my fellow historians of science, chemical educators, and history aficionados! On behalf of the Division of the History of Chemistry, I welcome you to our new programming! After a painfully long break, HIST will once again offer a number of interesting presentations and I sincerely hope you will attend many or even all of them.

The pandemic, which started just over a year ago, forced us to rethink and readjust many aspects of our lives. We quickly learned to do our jobs, attend performances, and even catch up with friends and relatives from home, taking advantage of the Internet and staring at a screen. Although many had reservations about (or even detested) the new style of communication, we soon began to appreciate the fact that we have a safe, efficient, and much more personal than the phone means to function and share thoughts with our colleagues, peers, and friends. Virtual business and scientific meetings, as well as lectures, became the norm. In this spirit, the 261<sup>st</sup> ACS National Meeting, originally planned to take place in San Antonio, TX, will be entirely virtual and will be markedly longer than usual (April 5-30, with live technical presentations taking place during the first two weeks, followed by two weeks of on-demand access).

We will begin our programming on Monday, April 5, with the postponed symposium on the *History of Polymer Science*, in which our audience will have the chance to gain knowledge about some important discoveries that not only yielded useful materials but have helped and inspired research in diverse disciplines, such as physics, biology and medicine, engineering, etc. We will also get acquainted, in a session aptly titled *Faces and Places*, with some of the “players” who transformed the discipline. The morning session of the next day, will be dedicated to a very successful series of books on the history of chemistry, *The Springer Briefs*, edited by our own Seth Rasmussen (my predecessor as Program Chair and current Chair of HIST). It has been more than a decade since the first books in the series appeared and this calls for a celebration. The attendees will learn about the subjects of some of the books but also meet the authors. We will finish our technical program with two *General Papers* sessions on Tuesday afternoon and evening. The detailed schedule and abstracts are presented on the following pages. When you expect them, you will see that a variety of topics will be covered during all HIST sessions. I am sure you will find the lectures to be enlightening and useful (perhaps in your teaching), and definitely enjoyable! We will also participate in one non-technical event. On the evening of Friday, April 9, please visit the HIST “virtual table” at *Division Row*. We will be thrilled to meet you and talk with you about the Division. Ideas from you are always welcome and much appreciated.

Last, you may remember the HIST-sponsored contest *Elemental Art*. We have received a number of contributions – cartoons, photographs, and poems – dedicated to the elements, their uses and discoveries, or the Periodic Table. We shifted the original deadline several times and as a result still have time to prepare and submit your original art, and to compete for the awards. The contest will close at the end of April 2021 and the winners will be announced in the fall. If the Muses visit you during the next month or so, please consider sending me your creative work at [nvt@smu.edu](mailto:nvt@smu.edu) or [nicktsarevsky@gmail.com](mailto:nicktsarevsky@gmail.com).

As always, we at HIST wish you a productive and fulfilling meeting and very much look forward to seeing you and talking with you at our sessions. We expect that our next meeting will be in person. Hope is certainly in the air and is almost palpable. Be well!

*Nick Tsarevsky, HIST Program Chair*

