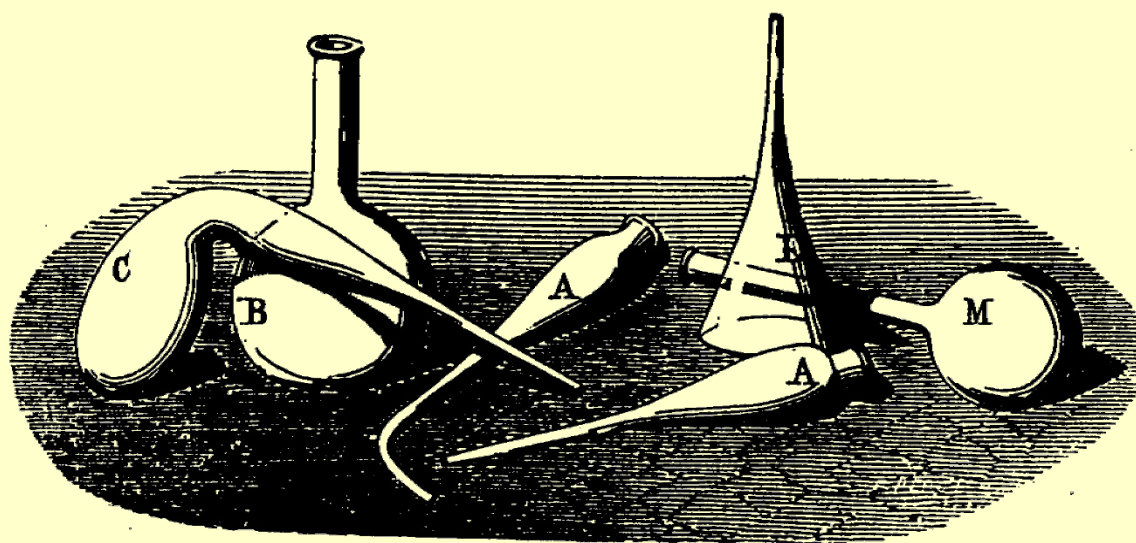




**ACS**  
Chemistry for Life®



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



**NEWSLETTER**

262<sup>nd</sup> ACS National Meeting  
Atlanta, GA (in-person and virtual)  
August 22-26, 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  
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  
Email: [drabinov@unc.edu](mailto:drabinov@unc.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)

**Associate Program Chair:** Mihaela C. Stefan  
Department of Chemistry and Biochemistry  
University of Texas at Dallas  
800 West Campbell Road  
Richardson, TX 75080  
Phone: 972-883-6581  
Email: [mihaela@utdallas.edu](mailto:mihaela@utdallas.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  
Email: [rae4@psu.edu](mailto:rae4@psu.edu)

**Alternate Councilor:** David E. Lewis  
Department of Chemistry and Biochemistry  
UW-Eau Claire  
PO Box 4004  
Eau Claire, WI 54702  
Phone: 715-836-4744  
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)

**Communications Chair:** Kristine Konkol  
Department of Natural Sciences  
Albany State University  
504 College Dr.  
Albany, GA 31705  
Phone: 229-500-2316  
Email: [kristine.konkol@asurams.edu](mailto:kristine.konkol@asurams.edu)

## 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

Much has happened since my last message to the HIST membership. Since then, the division survived its first fully virtual sessions during the Spring national meeting and is now preparing for a mix of virtual and hybrid sessions for the Fall national meeting in Atlanta next month. While this will be a partial return to norm, with many speakers presenting in-person in Atlanta, many will also be participating virtually. Although the presence of HIST leadership will similarly be divided, several of the Executive Committee will be onsite to represent the division and everyone will be actively participating (either in-person or virtually) in what will hopefully be an exciting collection of HIST sessions. While the fully virtual sessions of the last meeting limited some critical aspects of meetings (such as informal discussions/networking between sessions, etc.), it also opened up HIST programming to members that normally would not be able to attend the national meeting. As such, we are all interested to see how the hybrid meeting format will work to see if it might be able to capture the best of both worlds, and what lessons we can learn for the future of HIST technical sessions. As I said last time, the future of national (and regional) meetings remains a particular focus for the HIST Executive Committee and we welcome your input as to ways you might think we should meet this challenge.



Speaking of the HIST Executive Committee, I happy to announce the addition of two new members to our merry band of jesters. Mihaela Stefan (University of Texas at Dallas) is joining as Associate Program Chair, where she will be assisting Nick with the planning and execution of HIST programming at national meetings. With the everchanging face of meeting formats and new challenges, this will be an important contribution to the future of HIST programming. In addition, Kristine Konkol (Albany State University) is joining the committee to fill the newly created position of Communications Chair. In this role, she will be working to enhance communication and outreach across the division, helping to advertise HIST activities, as well as to build connections both within ACS and internationally through interactions with other history organizations.

In continuing efforts to increase the visibility of HIST within the greater global historical community, as well as build connections between HIST and other historical societies, I have been busy this summer representing the division and

giving talks at various international symposia and conferences. This included a talk at the inaugural *Substantia Short Talks* symposium, an online event organized by the history of chemistry journal *Substantia*, and a recent talk at the 26th International Congress of History of Science and Technology as part of a symposium organized under the Commission for the History of Chemistry and Molecular Sciences. Here, particularly, I am working with those within the commission to see how HIST can partner to increase activities in the greater history of chemistry community. I will give one last talk in *The Nature of Discovery in the Chemical Sciences and Technology* symposium at the joint IUPAC World Chemistry Congress and Canadian Chemistry Conference and Exhibition, which will take place the week before the ACS meeting in Atlanta. Unfortunately, all of these conferences have been virtual, but I have been working to build new contacts and connections within the international community none-the-less.

Looking to the future, a couple new initiatives are in the works. One of these would provide formal history training for chemists with an interest in historical research, while the other aims to bring together chemists, chemists-historians, and professional historians of chemistry with the intent of promoting the publication of jointly authored papers. While these efforts are still in the early stages, I will share more details as they become available. Of course, both of these efforts would work to increase the number of active historians of chemistry, which is a worthwhile goal. As always, please don't hesitate to contact me with your ideas or suggestions.

*Seth C. Rasmussen, HIST Chair*

---

## Report of Councilors, Division of the History of Chemistry 261st ACS National Meeting – Virtual Council Meeting (March 24, 2021)

### Actions of the Council

#### *1. Elections*

#### **Candidates for President-Elect, 2022**

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2022: Gerard Baillely, Anne M. Gaffney, Judith C. Giordan, and John C. Warner. By electronic ballot, the Council selected **Judith C. Giordan** and **John C. Warner** as **candidates for 2022 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

<b>President-Elect, 2022a</b> Nominee	1st Round	2nd Round	3rd Round
<b>Gerard Baillely</b>	63	73	-
<b>Anne M. Gaffney</b>	50	-	-
<b>*Judith C. Giordan</b>	174	187	212
<b>*John C. Warner</b>	128	155	175

#### **Candidates for Districts I and V**

The Committee on Nominations and Elections announced the results of the election held prior to the virtual Council meeting to select *candidates* from the list of *nominees* for Directors from District I and District V on the Board of Directors for the term 2022-2024. By internet ballot, the Councilors from these districts selected **D. Richard Cobb** and **Katherine L. Lee** as **District I candidates**; and **Lisa Balbes** and **Joseph A. Heppert** as **District V candidates**. Ballots will be distributed to members residing in District I and District V around October 1, 2021.

## Candidates for Directors-at-Large

The Committee on Nominations and Elections announced the selection of the following **candidates for Directors-at-Large** for 2022-2024 terms: **Rodney M. Bennett, Arlene Garrison, Natalie A. LaFranzo, and Lee H. Latimer**. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to all Councilors around October 1, 2021.

## 2. Other Council Actions

### Committee on Committees Petition

The Council approved the *Petition to Harmonize Committee Structures, Processes, and Terms*, as amended. • This petition places all committees in one category called “Society Committees” – eliminating the several different types of committees.

- The years of service and the number of committee members on each Society Committee would now be consistent and would match the present terms of the Elected Committees: three-year terms with a two-term maximum for committee members.
- Certain (6) Society Committees will no longer have the “Councilor only” designation, allowing an individual to join and continue service on a committee regardless of their status as a Councilor.
- The Committee on Committees amended the petition prior to bringing it to Council, in response to several committees’ concerns, to include the **bolded** phrase:

The terms for a member of a Society Committee shall be three calendar years. A member of a Society Committee shall be eligible to serve two successive three-year terms on the same committee, **however, that service could be extended if the appointing officer(s) determines that there is a compelling need for ongoing expertise on the committee.**

- The Petition will become effective immediately upon approval by the Board of Directors, however, existing committee assignments will be to start a transition to the term limits on January 1, 2022.

### Committee on Local Section Activities Petition

The Council approved the *Petition to Amend the Duties of the Committee on Local Section Activities*.

- This petition provides the Committee on Local Section Activities with the authority to support Local Sections by taking action on their behalf, including appointing an interim executive committee and/or facilitating a Local Section’s election when there is a lapse in the local section’s leadership.

### 2022 Schedule of Membership

The Council approved the 2022 Schedule of Membership, upon recommendation of the Committee on Membership Affairs: • The Schedule reduces the base dues rate to \$160 per year

- It establishes various dues categories and benefits packages based upon career stages, role in the chemical enterprise, and desired level of interaction by the Member with the Society.

### Updates to the ACS Strategic Plan

The ACS Board of Directors approved extensive changes to the ACS Strategic Plan last December. • Equity was added to our Core Values, which now include on Diversity, Equity, Inclusion and Respect.

- Our Vision and Mission statements were modified to make clear that these statements include all people.
- A fifth Strategic Goal: ‘To Embrace and to Advance Inclusion in Chemistry’, was added to make clear that Diversity, Equity, Inclusion and Respect was our commitment at the same level as our long-standing four strategic goals.

### Continuation of Committees

The Council approved the recommendation of the Committee on Committees that the Committee on Ethics be continued.

### Committee on Divisional Activities Distribution Formula

The Council approved the Distribution Formula for Division Allocations upon the recommendation of the Committee on Divisional Activities.

- ACS Standing Rules state that 9% of the ACS Member Dues Pool be allocated to the technical divisions.
- The new allocation formula is transparent, immediately implementable, reduces the year-to-year variation in the distribution amount and will work in all current national meeting formats.
- The new formula increases the base allotment and the per division member allotment portion of the pool to be distributed among the 32 Divisions.
- The portion of the pool devoted to Innovative Project and Strategic Planning Grants will increase from 10 to 15%. The intent is to support division strategic planning, expand the scope of innovative projects grants, and fund shortfalls due to the capping of year-to-year losses.
- A 7.5% cap on the year-to-year distribution gain/loss by a division is intended to increase stability and give divisions a chance to adjust to the new formula.
- This formula is considered transitional and will be reviewed by the Committee on Divisional Activities yearly.

### **Highlights from Committee Reports**

**Budget and Finance.** In 2020, ACS generated a net from operations of \$61 million, which was almost \$20 million higher than the budget. Total revenues were \$618.4 million, increasing 3.9% or \$23.1 million over 2019. Expenses for the year were \$557.4 million, virtually even with the prior year and almost 5% below budget. This result was attributable to strong revenue performance from the Society's Information Services units (i.e., CAS and ACS Publications) and a combination of COVID-19 related impacts on, and careful management of, expenses across the ACS.

The Society's 2020 Net from Operations totaled \$130.5 million and included Information Services and Investments. The Society's financial position strengthened considerably in 2020, with Unrestricted Net Assets, or reserves, increasing by 35 percent to \$553 million at December 31. The increase was primarily the result of the \$61 million net from operations, and growth of the Society's investments totaling \$66 million.

**Nominations and Elections.** The Committee on Nominations and Elections solicits Councilors' input regarding qualified individuals for President-Elect and/or Directors for future consideration. Suggestions may be sent to [nonelect@acs.org](mailto:nonelect@acs.org).

**Meetings & Expositions.** The Spring 2021 Meeting will be held virtually, with the live portion from April 5-16, followed by 2-weeks of on-demand access. There will be 120 scientific sessions held live per day, with live Q&A to follow, and visibility of other attendees in the room. The price for registration has been significantly reduced to \$99 for ACS Members and \$29 for students. To date, 8,724 abstracts have been accepted.

**Online Preference Forms for Councilors.** All Councilors, including new Councilors, were reminded to complete their online committee preference form for 2022 committee assignments. The committee preference form will open on April 1 and will close on July 1, 2021. If you are interested in serving on an ACS Committee, please go to <https://www.yellowbook.acs.org> to complete your preferences. This is especially important for committee associates, consultants, those finishing a term, those who will reach the statutory limit (final year) on their present committee, and those who are up for reelection as Councilor for a division or local section.

### **HIST Councilors**

Mary Virginia Orna is serving as an associate member of the Senior Chemists Committee (SCC). She is on the SCC/YCC Networking Subcommittee and also on the Great Connections Working Group.

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. Since the COVID pandemic began, M&E has been meeting regularly with the Program Chairs and ACS staff to get updates on the status of upcoming meetings and to make suggestions to ACS staff as they plan the future of ACS national meetings.

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

## News and Announcements

### Awards

#### *Morris Award 2021*

The Morris Award of the Society for the History of Alchemy and Chemistry (SHAC) for 2021 has been given to Ernst Homburg for his outstanding work on the history of the chemical industry. His contributions include major studies on the history of the madder industry; his seminal paper on the early history of industrial R&D laboratories; his comprehensive history of twentieth-century modern chemistry and the chemical industry embedded within a broader history of the Netherlands in *Techniek In Nederland in the Twintigste Eeuw*. And, particularly (in the context of this award), his “The Era of Diversification and Globalization (1950-2012)” in *Solvay: History of a Multinational Family Firm* (CUP, 2013), a book he co-edited with Kenneth Bertrams and Nicolas Coupain.

Ernst Homburg has given great service to the history of chemistry community. He edited the *Ambix* book reviews for ten years; served as a member of SHAC Council for twenty years; chaired the Historical Group of the Dutch Chemical Society for twelve years; was president of the Dutch History of Science Society (GeWiNa) between 1995 and 1998; and chaired the Working Party on the History of Chemistry of the European Association for Chemical and Molecular Sciences for six years up to 2009. He was a Professor in the Faculty of Arts and Sciences at the University of Maastricht until his recent retirement.

The Morris Award honors the memory of John and Martha Morris, the late parents of Peter Morris, the former editor of *Ambix* and recognizes scholarly achievement in the History of Modern Chemistry (post-1945) or the History of the Chemical Industry. The next award will take place in 2024. A call for nominations will be circulated in 2023.

### History of Chemistry Books

#### *150 Years of the Periodic Table: A Commemorative Symposium published*

An edited volume based on a 2019 symposium on the Periodic Table has been published recently by

Springer. *150 Years of the Periodic Table: A Commemorative Symposium*, is very much a HIST production. The volume editors, Carmen Giunta, Vera Mainz, and Gregory Girolami organized the symposium for the fall 2019 ACS national meeting, sponsored by HIST and INOR,

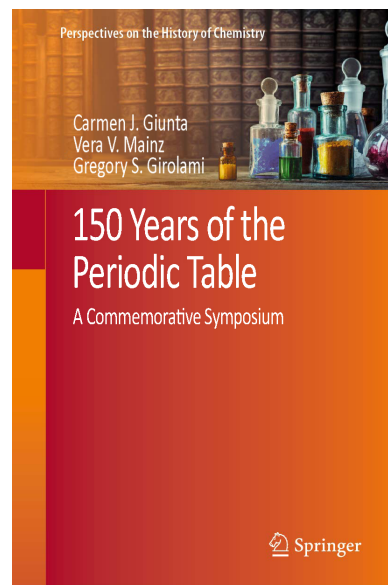
as part of the year-long UNESCO-sponsored International Year of the Periodic Table. The volume appears as part of the series Perspectives on the History of Chemistry, for which Seth Rasmussen is series editor. It is available in hardcover or as an eBook:

<https://www.springer.com/us/book/9783030679095> or electronically by chapter via SpringerLink.

We the editors are proud of the result, which, we believe, contains much new scholarship (not easy in a field that has been well-tilled by lots of people over many years) in a text written in a scholarly and highly interesting way. The chapters in the book relate a wealth of little-known and underappreciated aspects of the history of the periodic table, and they contain a large number of genuinely new and important facts and insights. Those with a general interest in the history of chemistry will find much of interest, and even experts will learn things they did not know.

The book's first section treats Dmitri Mendeleev and his predecessors.

- Ann Robinson, “Dmitri Mendeleev and the Periodic System: Philosophy, Periodicity, and Predictions”
- William Jensen, “The Trouble with Triads”
- Gary Patterson and Ronald Brashear, “Josiah Parsons Cooke, the Natural Philosophy of Sir John F. W. Herschel and the Rational Chemistry of the Elements”



- Carmen Giunta, “Vis tellurique of Alexandre-Émile Béguyer de Chancourtois”
- Carmen Giunta, Vera Mainz, and Julianna Poole-Sawyer, “Periodicity in Britain: The Periodic Tables of Odling and Newlands.”
- Gregory Girolami, “Gustavus Hinrichs and his Charts of the Elements”
- Gisela Boeck, “The Periodic Table of the Elements and Lothar Meyer”
- Vera Mainz, “Translation of §§ 91-94 of Lothar Meyer’s *Modernen Theorien* (1864)”

The next several chapters treat the discoveries of new elements, particularly after Mendeleev first formulated his periodic system in 1869.

- Mary Virginia Orna and Marco Fontani, “Discovery of Three Elements Predicted by Mendeleev’s Table: Gallium, Scandium, and Germanium”
- Simon Cotton, “The Rare Earths, A Challenge to Mendeleev, No Less Today”
- Jay Labinger, “The History (and Pre-History) of the Discovery and Chemistry of the Noble Gases”
- Kit Chapman, “Element Discovery and the Birth of the Atomic Age”
- Vera Mainz, “Mary Elvira Weeks and *Discovery of the Elements*”

The final set of chapters examines aspects of the periodic system and its elements from perspectives of other disciplines.

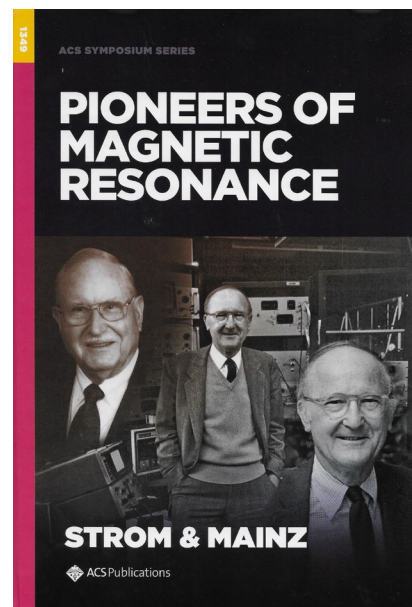
- Virginia Trimble, “Astronomy Meets the Periodic Table. Or, How Much Is There of What, and Why?”
- Eric Scerri, “The Impact of Twentieth Century Physics on the Periodic Table and Some Remaining Questions in the Twenty-first Century”
- Pekka Pyykkö, “An Essay on Periodic Tables”
- Daniel Rabinovich, “The Periodic Table at 150: A Philatelic Celebration”

*Submitted by Carmen Giunta*

### ***HIST Volumes in Hard Copy: Pioneers of Magnetic Resonance***

Several HIST symposium volumes that were published online last year have finally appeared in hard copy. Among them was our co-edited volume “Pioneers of Magnetic Resonance.” Over the last year or so ACS Books has been changing the formatting of the book cover pages, so the new format may be

unfamiliar to many of you. The previous volume size was 9 ¼ in. by 6 ¼ in. The new volume size is 10 ¼ in. by 7 in. In the new format the lettering of the book title and authors’ names is much larger than for the old format, ½ in. vs 3/16 in. Also, more of the front page is given to photo images than previously. Finally, in the old format no use was made of the back cover. In this new hard copy of



“Pioneers,” the back cover contains additional descriptive material about NMR and EPR history and the scientists who made that history. Previously we have co-edited three books in this series together. Our impression is that enlarging the book size and sprucing up the covers gives this book more visual impact. We two are all for the changes.

Of course, ultimately the book’s contents are what are most important. The five NMR chapters give a good overview of NMR history, paying tribute to Rabi, Bloch, and Purcell, Herb Gutowsky, Ed Stejskal, and Don Woessner. Pierre Laszlo’s chapter introduces the reader to even more NMR pioneers. Regrettably, because of copyright issues Morton Meyers was unable to co-author a chapter on the Lauterbur/Damadian dispute regarding credit for the discovery of MRI. However, Tom Strom covers much of the MRI dispute in his Woessner chapter. The EPR section of the book covers the career of discoverer Y. K. Zavoiskii plus the accomplishments of EPR stalwarts Sam Weissman, George Fraenkel, Harden McConnell, and R. Linn Belford. Finally Gareth and Sandra Eaton survey the relationship between spin relaxation and EPR history.

Change just for the sake of change happens a lot, but we think this change in ACS Symposium Books is a change for the better. We hope you agree.

*Submitted by Tom Strom and Vera Mainz*



## Conferences and Meetings of Interest

### *Southwest Regional meeting of the ACS*

The 2021 Southwest Regional Meeting (SWRM) theme is “Chemical Innovations for Global Challenges.” The symposium on History of Chemistry and Art will focus on innovative approaches to incorporating both the history of chemistry and the history of art into course development, publications, museum exhibits, blogs, social media, research in chemical education, and Divisional and Local Section programming. The Central Texas Section is committed to facilitating a safe and interactive environment for innovation, learning and networking in the chemical enterprise. For the latest meeting information: SWRM2021.org or [info@SWRM2021.org](mailto:info@SWRM2021.org). For more information on the symposium on Chemistry and Art, please refer to the Upcoming Meetings and HIST deadlines section of this Newsletter.

*Submitted by Mary Virginia Orna*

### *HIST at Pacifichem 2021*

Although the original 2020 International Chemical Congress of Pacific Basin Societies (Pacifichem 2020) to be held in Honolulu in December of 2020 has gone through a number of changes - first being delayed by a year to become Pacifichem 2021 and then transitioning from a traditional in-person conference to the current hybrid format, the conference is still alive and well, and on track for its December 16-21, 2021 dates. As with the previous Pacifichem in 2015, HIST has organized a full-day symposium entitled *Hands across the Pacific: History of Collaborations and Exchange Programs between Countries of the Pacific Rim* (Corresponding Symposium Organizer (CSO): Seth C. Rasmussen), including 16 talks by a diverse collection of international speakers. The HIST-organized symposium will be held December 20<sup>th</sup> and will consist of two in-person oral sessions, as well as an evening virtual session. Conference registration options include both in-person and virtual attendance, with the only limitation being that virtual guests will only have access to the virtual sessions,



as the in-person sessions will not be broadcast. Registration and housing reservations opened August 3<sup>rd</sup>, with reduced registration available through October 20<sup>th</sup>. Additional information on the conference can be found at <https://pacifichem.org>.

*Submitted by Seth C. Rasmussen*

## Announcements

### *Transcribing Humphry Davy's Notebooks*

A public-facing project set to uncover previously unpublished material from the early nineteenth century's 'foremost man of science' has launched online. Sir Humphry Davy (1778-1829) discovered more chemical elements than any individual has before or since. His achievements saw him rise up through society's ranks from relatively modest origins to become, just over 200 years ago, the President of the Royal Society of London. In 1815, he invented a miners' safety lamp that came to be known as the Davy Lamp, saving countless lives in Britain and Europe, and vastly improving the nation's industrial capability. Davy kept notebooks throughout his life, but most of the pages of these notebooks have never been transcribed before. Most entries have yet to be dated or considered in the light of what they tell us about Davy, his scientific discoveries, and the relationship between poetry and science.

The £1 million project, funded by the Arts and Humanities Research Council (AHRC) and led by Lancaster University with the University of Manchester and UCL, will use the people-powered research platform Zooniverse to bring to light Davy's notebooks – the documents he used to work out scientific ideas alongside lines of poetry, philosophical musings, geological drawings, and accounts of his life.

In 2019, AHRC funding enabled Professor Sharon Ruston and Dr Andrew Lacey, both of the Department of English Literature and Creative Writing at Lancaster University, to crowdsource transcriptions of five of Davy's notebooks, dating from between 1795 and 1805, using Zooniverse. Following on from this successful pilot project, during which more than 500 participants from around the world transcribed 626 notebook pages in under 20 days, the project team will now crowdsource transcriptions of Davy's entire 75-strong notebook collection. Some 70 notebooks are held at the Royal

Institution of Great Britain in London and 5 are held in Kresen Kernow in Redruth, Cornwall.

Crowdsourcing is now underway. It's free to take part, and you can transcribe as much or as little as you like. The edited transcriptions will later be published online, alongside images of the notebooks, on a free-to-access website, as part of Lancaster Digital Collections. Online and in-person discussions with participants will enable the project team to find out how transcribing Davy's notebooks changes their views of how poetry and science could co-exist today.

To take part in transcribing Davy's notebooks, sign up at Zooniverse and check the following site: [wp.lancs.ac.uk/davynotebooks](http://wp.lancs.ac.uk/davynotebooks)

### ***Historian's Report for 2021***

Things have been very busy on the historical front for HIST. The Centennial History of HIST project is in full swing. Please visit the HIST website and read the chapters that have been posted for inspection. Please send all corrections and suggestions to me and to Vera Mainz.

One year from now, a symposium on the history of HIST will be held at the Fall ACS meeting (now faith is the evidence of things not seen).

One of the most exciting HIST events for 2021 is the HIST Award symposium for Larry Principe. It will be held at the Science History Institute on Saturday, October 16, 2021 from 10:30 to 5:30. All members of HIST are invited to attend, either in person or by YouTube. (The event will be recorded and posted on the HIST and Science History Institute website.) A registration form will be circulated starting in September. For those attending in person, a lunch will be provided (cost \$25). The outstanding list of speakers includes William Newman, Jenny Rampling, Bruce Moran and many more.

*Submitted by Gary Patterson*

### ***HIST to Celebrate Its 100<sup>th</sup> Birthday***

The American Chemical Society (ACS) Division of the History of Chemistry (HIST) will celebrate its hundredth birthday as an ACS Division in 2022. Today, HIST has over 1,000 members from every sector of the ACS, mounts symposia regularly at ACS National Meetings and at many regional meetings, publishes two Newsletters per year, and since 1988 has published this journal, the *Bulletin for the History of Chemistry*. HIST's publishing record also includes

37 history-related volumes published over the course of the past 60 years that include topics in archaeological chemistry, biography, anniversaries of important chemical events, and history of chemical sub-disciplines.

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, Historian of HIST, is organizing the project. Further information, including a projected table of contents, can be found on the HIST website at: [acshist.scs.illinois.edu/centennial/index.php](http://acshist.scs.illinois.edu/centennial/index.php)

Gary welcomes contributions: please send him written material, photographs, ephemera, etc., at [gp9a@andrew.cmu.edu](mailto:gp9a@andrew.cmu.edu). You too can author a full or partial chapter!

2) The *Bulletin for the History of Chemistry* is preparing a special issue in honor of the centennial. Guest editor Jeffrey I. Seeman and Editor in Chief Carmen Giunta have obtained commitments from several 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." The issue will be open access to all online. HIST members will also receive hard copies.

*Submitted by Carmen Giunta*

### ***Elemental Art Contest***

The window for submission of original art, dedicated to the chemical elements or the Periodic Table, as part of the HIST/IPG-sponsored "*Elemental Art*" contest in celebration of the 150<sup>th</sup> anniversary of the Periodic Table closed on April 30, 2021. We received 60 contributions in total, which were judged by a committee of chemical educators and historians with expertise in art. The winners will be notified later in the fall and their names will be published in the next issue of the HIST *Newsletter*, as well as on the HIST website. We plan to publish the prize-winning artworks in the *Newsletter*, subject to clearing any potential copyright issues. Thanks to all who submitted their original art!

*Submitted by Nick Tsarevsky*

# BULLETIN FOR THE HISTORY OF CHEMISTRY

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

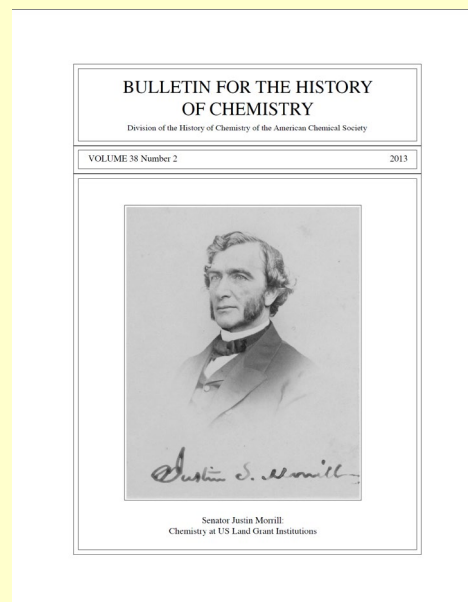
Available online: <http://acshist.scs.illinois.edu/bulletin/index.php>

**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

It is about two years since the last time HIST friends, supporters, and presenters were able to interact with each other in person at a large-scale event, such as the National Meeting of the ACS. Yes, the COVID-19 pandemic (which, alas, is still ongoing) halted many regular activities we had come to enjoy and love, and perhaps take for granted. Fortunately, in the meantime, science – once again – came to our rescue and the vaccines that were developed will likely make it possible for life to resume its normal course. The fall 2022 ACS Meeting will comprise in-person and virtual talks, which certainly feels like taking a step towards normality. On behalf of my friends at HIST, I am delighted to welcome you to our program, and I know you will enjoy the rather diverse lectures our presenters will offer – whether you see them in Atlanta or on a screen at your room. We will commence on Sunday afternoon with a two-session symposium on the contributions of African American chemists. It is organized by Sibrina Collins, Taiya Fabre, and Tracey Simmons-Willis, and by attending it, you will have the chance to learn about and find inspiration in the work of several African American chemical educators and scientists, who can serve as true role models for the current and future generations of students, teachers, chemists – and for all of us. On Sunday evening and all day on Monday, we will continue with our traditional General Papers sessions. As always, a variety of topics will be covered by the presenters, including the life and work of famous or undeservedly forgotten (al)chemists and educators, as well as the history of compounds, techniques, and other impactful discoveries. You can find all details about the schedule and the abstracts on the subsequent pages of this *Newsletter*. In addition, you will be able to find out about future symposia and events. Please note that this fall, the HIST Award symposium honoring Larry Principe, organized by Gary Patterson, will take place at the Science History Institute in Philadelphia in October. In addition, a HIST symposium on the history of chemistry and art, organized by Sara Hubbard and Mary Virginia Orna, will be offered as part of the Southwest Regional Meeting (SWRM) of the ACS in Austin, TX, in late October and early November. We hope you will be able to attend these exciting gatherings.



I feel the need to add that during the past gloomy months, I came to realize that, while we may have felt severely restricted physically, the creative minds of many of our colleagues were not arrested in the slightest. You probably remember the *Elemental Art* contest, which was announced in previous issues of the *HIST Newsletter*, on the HIST website, and on the pages of *Chemical and Engineering News*. The competition closed at the end of April, after we extended the original deadline for submissions, and we received 60 entries (poems, cartoons, and photographs) from around the country and the world, which affirmed my statement above concerning the imagination and creativity of our fellow chemists. The winners will be announced, and their creations will be published (after potential copyright issues are cleared), in the next issue of the *Newsletter* but I wanted to use this space to express my gratitude to all who shared their beautifully crafted work, as well as to my HIST comrades Mary Virginia Orna and Art Greenberg who kindly agreed to serve as chairs of the Awards Committee and did a spectacular job. I am particularly indebted to them because, being unable to serve on the committee due to a conflict, I had to leave all the hard work in their hands. The winners will receive monetary prizes and certificates. Stay tuned for further

information. Based on the exceptional quality of the original artworks we received, I can certainly envision similar contests in the future.

An important new development related to HIST programming is that my dear friend of two decades Mihaela Stefan of the University of Texas at Dallas joined the Executive Committee as the Associate Program Chair of the Division. I am thrilled to work with her and would like to encourage you to share any thoughts and ideas about future symposia or events with us. We very much look forward to hearing from you.

Enjoy the meeting and please help us by sharing the news about HIST with your friends, students, teachers, and colleagues. Be well!

*Nick Tsarevsky, HIST Program Chair*

---

## **HIST SYMPOSIA, 262nd ACS Meeting, August 22-26, 2021**

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

## **UPCOMING MEETINGS AND HIST DEADLINES**

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

## **HIST Award Symposium, Science History Institute, October 16, 2021**

**HIST Award Symposium honoring Larry Principe (Invited).** Organizer: Gary Patterson, Vancouver, WA, Phone: 412-480-0656, email: [gp9a@andrew.cmu.edu](mailto:gp9a@andrew.cmu.edu). The symposium will be held at the Science History Institute on Saturday, October 16, 2021, from 10:30 am to 5:30 pm.

## **ACS Southwest Regional Meeting, Austin, TX, October 31-November 3, 2021**

**History of Chemistry and Art (Invited and Seeking Contributions).** Organizers: Sara E. Hubbard, Department of Chemistry, Ouachita Baptist University, Arkadelphia, AR 71998, Phone: 870-245-5533, email: [hubbards@obu.edu](mailto:hubbards@obu.edu); Mary Virginia Orna, ChemSource, Inc., 39 Willow Drive, New Rochelle, NY 10805, Phone: 914-310-0351, email: [maryvirginiaorna@gmail.com](mailto:maryvirginiaorna@gmail.com); [mvorna@protonmail.com](mailto:mvorna@protonmail.com).

## **263rd ACS Meeting, San Diego, CA, March 20-24, 2022**

**HIST Award Symposium (Invited)** Jeff Seeman, Department of Chemistry, University of Richmond, Richmond, VA 23273, email: [jseeman@richmond.edu](mailto:jseeman@richmond.edu)

**Tutorial and General Papers (Seeking contributors)** Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, email: [nvt@smu.edu](mailto:nvt@smu.edu)

## **264th ACS Meeting, Chicago, IL, August 21-25, 2022**

**HIST Anniversary (Invited)** Gary Patterson, Vancouver, WA 98661, 412-480-0656, email: [gp9a@andrew.cmu.edu](mailto:gp9a@andrew.cmu.edu)

**HIST Award Symposium (Invited)** Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, email: [nvt@smu.edu](mailto:nvt@smu.edu)

**History of Forensic Chemistry (Invited and contributed)** Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, email: [nvt@smu.edu](mailto:nvt@smu.edu)

**Tutorial and General Papers (Seeking contributors)** Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, email: [nvt@smu.edu](mailto:nvt@smu.edu)

## **265th ACS Meeting, Indianapolis, IN, March 26-30, 2023**

**History of Glass (Invited and contributed)** Seth C. Rasmussen, Department of Chemistry and Biochemistry, North Dakota State University, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108, Phone: 701-231-8747, email: [seth.rasmussen@ndsu.edu](mailto:seth.rasmussen@ndsu.edu); Dan Rabinovich, Department of Chemistry, UNC Charlotte, Charlotte, NC 28223, Phone: 704-687-5105, email: [drabinov@uncc.edu](mailto:drabinov@uncc.edu)

**Tutorial and General Papers (Seeking contributors)** Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, email: [nvt@smu.edu](mailto:nvt@smu.edu)

