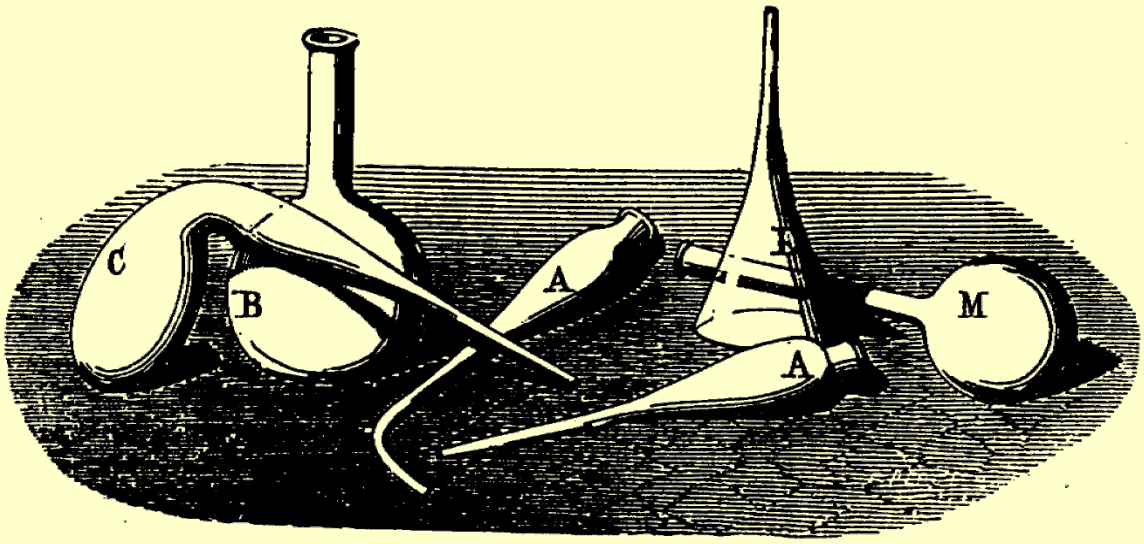
American Chemical Society

DIVISION OF THE HISTORY OF CHEMISTRY



NEWSLETTER

Fall 2024 ACS National Meeting
Denver, CO (Hybrid)
August 18-22, 2024

Nicolay V. Tsarevsky, Program Chair

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Vision and Mission Statements

HIST Vision Statement: Inspiring chemistry's future by preserving its past.

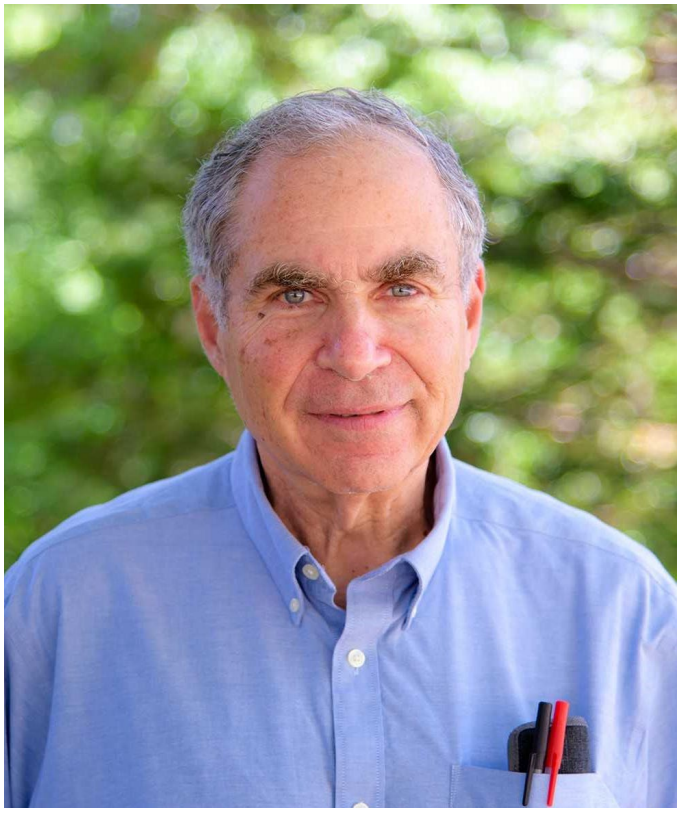
HIST Mission Statement: Fostering and communicating interdisciplinary research, education, and appreciation of the history of chemistry.

The primary goals of the Division are to:

- Communicate the value of history to the chemical sciences.
- Grow membership through increased engagement of stakeholders.
- Build a greater community of historical scholars.

Division Governance

Message from the HIST Division Chair



This has been an interesting and eventful year for HIST. Just prior to the New Orleans meeting in March, the Division held its first Strategic Planning meeting since 2008. The meeting was chaired by two very experienced ACS members, Bill Carroll and Larry Krannich, who started us at breakfast at 7:30 AM on Friday, March 15, and kept us moving until the elements of the report were almost complete. This was followed up by a Zoom meeting some two weeks later. You will find the Division's Strategic Plan 2024 on the website, so wonderfully maintained and updated by Secretary-Treasurer Dr. Vera Mainz: https://acshist.scs.illinois.edu. The plan is concise, not burdened by bureaucratese, and proposes aspirations and agendas for the near future of our Division. The new Vision Statement is linked to the Strategic Plan 2024. Vera placed LinkedIn and Facebook buttons at the top of the homepage and included a link (from the Vision statement) to the ACS Volunteer Policy.

Key to the success of any strategic plan is implementation. One early success is the initiation of a web broadcast of highlighted presentations from HIST meetings. Vera Mainz circulated proposals for naming the series and we settled on "ChemHIST Talks." Ana de Bettencourt-Dias provided technical

support and also served very productively on the Strategic Planning Committee. The first presentations in this series were by Dan Rabinovich and Texas A&M Kingsville graduate student Pete Villareal. There were 60 registrants and 40 actual attendees (not an unusual ratio), and feedback indicated considerable satisfaction with the innovative series and the inaugural presentations.

The 2024 Joseph B. Lambert History of Chemistry Division Award went to James L. Marshall and Virginia R. Marshall for their wonderful photographic travelogues of the worldwide historical sites where chemical elements were discovered. Jim is professor of chemistry emeritus at the University of North Texas and will be honored with a presentation at an HIST Award symposium, which will be followed by a dinner. Sadly, he was predeceased by "Jenny." While granting her this award posthumously was nonconventional, their work was truly a partnership of equals and inextricably interwoven. We are finally current on the *Bulletin for the History of Chemistry* Outstanding Paper Awards and I thank the awards committee for its disciplined work. The winner of the 2023 *Bulletin* OPA is Peter Childs, a retired chemistry professor from the University of Limerick, where he taught for over 30 years and was a leader in the STEM education community in Ireland. His research over the years included seaweed as a feedstock for chemicals initially including iodine and potassium salts, but more recently as feedstock for alginates used widely in food processing. Carmen Giunta continues as editor to produce a wonderful journal and is exploring formation of an editorial board. Although noted in the HIST Newsletter for the Spring 2024 meeting, it is worthwhile to again mention that HIST has launched a new "HIST-*Substantia* Outstanding Paper Award" to highlight the best history paper published in *Substantia* each year. For 2023, the award committee selected "Animal Oil, Wound Balm, Prussian Blue, the Fire and Light Principium and the Philosophers' Stone Made from Phosphorus: on the 350th Birthday of the Chymist Johann Conrad Dippel (1673-1734)" by Alexander Kraft (*Substantia*, 2023, 7(2), 137-159).

The year 2023 was a particularly noteworthy one for the Citation for Chemical Breakthrough awards, presented at six European sites. Four of these were related to the experimental discovery of nuclear fission (Hahn and Strassmann) and its explanation based upon theory (Meitner and Frisch). The institutions listed on the cited publications are:

- Københavns Universitet for J. N. Brönsted's theory of acids and bases (1923), with a duplicate at the Danmarks Tekniske Universitet.
- Max-Planck-Institut für Chemie (Mainz) for O. Hahn and F. Strassmann's discovery of nuclear fission (1939) with a duplicate at the Freie Universität Berlin.
- The Royal Swedish Academy of Sciences, Stockholm, and the University of Copenhagen for Lise Meitner and O. R. Frisch's discovery of nuclear fission (1939) with duplicates at the Freie Universität Berlin and at the Max-Planck-Institut für Chemie (Mainz).

In addition to general papers at the Denver meeting, Nick Tsarevsky will chair a symposium titled "Solving Mystery with Chemistry. History of Forensic Chemistry." In addition, Roger Egolf will chair a minisymposium: "150th Anniversary of the Centennial of Chemistry Meeting." These will be further discussed in Program Chair Nick Tsarevsky's column. Christine Hahn is working with Nick as she transitions to becoming HIST Program Chair.

It is with great pleasure that we congratulate Nick Tsarevsky upon his election as a Fellow of the American Chemical Society. Nick's amazing array of interests (materials, polymers, poetry, plays...) has served the chemistry community even beyond his superb work as long-time HIST Program Chair.

As I complete my two-year term as division chair at the end of 2024, I gratefully acknowledge the encouragement and support of a dedicated Executive Committee as well as other HIST members who have provided ideas and attended our presentations. I particularly want to acknowledge the support of Secretary-Treasurer Vera Mainz and Program Chair Nick Tsarevsky for their abilities to keep me on track, Past-Chair Seth Rasmussen for valued advice, Chair-Elect Joe Jeffers for ideas and support, Roger

Egolf and Mary Virginia Orna for their deep knowledge of the labyrinthian workings of the ACS, and Carmen Giunta for his balanced, well-considered viewpoints. But I emphasize my gratitude to the entire E.C.

We all look forward to seeing you in Denver in August. Please visit our table at Division Row on Monday evening, August 19. Enjoy the remainder of summer. Safe travels, all.

Art Greenberg, HIST Chair

Report of Councilors, Division of the History of Chemistry
Spring 2024 ACS National Meeting, New Orleans, LA – Hybrid Council Meeting (March 20, 2024)

Actions of the Council

1. Elections Results

1.1. Candidates for President-Elect, 2025

By electronic ballot, the Council selected Rigoberto Hernandez (188) and Laura Sremaniak (180) as candidates for 2025 President-Elect. These two candidates, along with petition candidate, Mukund Chorghade, any candidates selected via petitions, will stand for election in the Fall 2024 National Election.

1.2. Candidates for Districts I, V and International

The Committee on Nominations and Elections announced the results of the election held prior to the Council meeting; to select candidates from the list of nominees for Directors from District I, District V, and the International District on the Board of Directors for the term 2025-2027. By electronic ballot, the Councilors from these districts selected Katherine L. Lee and Matthew Grandbois as District I candidates; Lisa M. Balbes, Mark C. Cesa, and Silvia S. Jurisson as District V candidates; and David Wu and Hooi-Ling Lee as International District candidates. Ballots will be distributed to members residing in District I, District V, and the International District around October 1, 2024, for election of a Director from each District.

1.3. Candidates for Directors-at-Large

In November, the Petition to Add International Representation on the Board of Directors was approved and ratified. As a result of its implementation, there is a reduction of the total number of Directors-at-Large (DAL) on the Board of Directors from six to five beginning in 2025. Because of the timing of candidate selection and petition approval processes, N&E opted to select the usual four candidates for the two possible DAL positions in case the petition failed. Since the petition was passed and ratified, in fairness to those selected, N&E planned to run all four candidates for one DAL position; however, one candidate withdrew leaving three candidates. There will be no down-select process and all three will run as candidates. Preferential voting will be used in accordance with Standing Rule IV, Section 4.c.

The Committee on Nominations and Elections announced the selection of the following candidates for Director-at-Large for the 2025-2027 term: Christopher J. Bannochie, Natalie A. Lafranzo, and Sergio C. Nanita. The election of one Director-at-Large from among these three candidates and any selected

via petition will be conducted in the fall. Ballots will be distributed to the Council around October 1, 2024.

1.4. Committee on Nominations and Elections (N&E) Election

By electronic ballot, the Council elected Debbie C. Crans to the Committee on Nominations and Elections (N&E) for an unexpired term of less than one year (2024) and a subsequent full three-year term (2025-2027) in accordance with Standing Rule IV, Section 9., e.

2. Other Council Actions

2.1. Highlights from Committee Reports and Key Actions

- On the recommendation of the Council Policy Committee (CPC), Council approved the Petition to Remove Inconsistencies and Add Missing Provisions. The petition clarifies language about membership on the elected committees of Council and adds a provision for filling a vacancy in the position of Director-at-Large. This petition is now presented to the ACS Board of Directors for action.
- On the recommendation of the Committee on Committees (ConC), and with the concurrence of the Council Policy Committee, Council approved the Petition to Amend the Duties of the Committee on Budget and Finance (B&F) to better reflect their charge of making recommendations on the Society's budget for approval by the Board of Directors. The petition also removes an outdated provision to reflect that the funding of the official organ of the Society has been made independent from dues revenue. This petition is now presented to the ACS Board of Directors for action.
- ConC announced that the opening of the online preference form to all ACS members began on March 1 and will run through July 1, Councilors interested in serving on an ACS Committee in 2025 should go to CMTE.acs.org to complete their preferences.
- On the recommendation of the Committee on Divisional Activities (DAC), Council approved changing the name of the Division of Biological Chemistry (BIOL) to the Division of Biochemistry and Chemical Biology {BIOL). This name change takes effect January 1, 2025.
- On the recommendation of DAC, Council approved an amendment to the distribution formula for Division funding. This will allow a greater amount of funding to be distributed to Divisions.
- On the recommendation of the Committee on International Activities (lAC), Council approved the creation of International Chemical Sciences Chapters in Egypt and Guangdong, China, subject to the concurrence of the ACS Board of Directors.
- On the recommendation of the Committee on Local Section Activities (LSAC), Council approved changing the name of the Auburn Section to the East Alabama/West Georgia Section. This name change takes effect on January 1, 2025.
- On the recommendation of the Committee on Membership Affairs (MAC) and with the concurrence of the Council Policy Committee, Council approved the Petition on Dues and Benefits to change the name of the Schedule of Membership to the Schedule of Dues and Benefits. The petition also defines the role of Community Associates. This petition is now presented to the ACS Board of Directors for action.
- On the recommendation of MAC and with the concurrence of the Council Policy Committee, Council approved the 2025 Schedule of Dues and Benefits.
- The Committee on Constitution and Bylaws (C&B) reported the certification of bylaws for four Local Sections (Columbus, Permian Basin, University of Arkansas, and Central Pennsylvania), five technical Divisions (Colloid and Surface Chemistry, Biological Chemistry, Analytica I Chemistry, Industrial and Engineering Chemistry, and Environmental Chemistry), and two International Chemical Sciences Chapters (Singapore and Switzerland) since the fall 2023 meeting.

• The Committee on Education (SOCED) invited students to participate in a SOCED Discussion Session to be held in conjunction with the ACS Fall 2024 meeting in Denver, and invited Councilors to their upcoming virtual open meeting on April 25.
• The Committee on Younger Chemists (YCC) plans to expand the concept of Local Section Younger Chemists Committees to include International Chemical Sciences Chapters and reported on the inaugural Younger Chemists' Caucus and their plans to continue holding this event.

3. Resolutions
The Council passed several resolutions:
• In memory of deceased Councilors.
• In recognition of ACS Secretary, Flint Lewis, on the occasion of his retirement after 28 years.
• In sincere appreciation of the Louisiana Section, host Section for the ACS Spring 2024 meeting, the Divisional program chairs, symposium organizers, and ACS staff for the planning and execution of the meeting.

The spring 2024 meeting was held in a hybrid manner from March 17-21. As of March 20, there were 14,368 registrations (13,122 in-person and 1,246 virtual).

HIST Councilors

Mary Virginia Orna is serving as a member of the Senior Chemists Committee (SCC) and of its Executive Committee. She serves as the Champion on Tutorials for the SCC Inreach Subcommittee. She also serves as Co-Chair of the Partnerships Subcommittee and the Co-Champion of the Undergraduate Networking Activity. (These are all newly designated divisions of labor following the recent Strategic Planning Workshop.)

Roger Egolf has been appointed as an Associate on the Divisional Activities Committee (DAC) and its Governance subcommittee. This is the subcommittee that looks at petitions coming to Council and reviews the Annual Reports from the Divisions.

Prepared and submitted by Mary Virginia Orna and Roger Egolf

News and Announcements

Awards

Jospeh B. Lambert HIST Award

The winners of the HIST Award for Excellence in the History of Chemistry for 2024 are James L. and Virginia R. Marshall for their passionate research into the history of the discovery and rediscovery of the elements.

Jim Marshall is a Texan and lived most of his life in Denton. After obtaining his B.S. from Indiana University and his Ph.D. from Ohio State with Paul G. Gassman (1935-1993) in 1966, he joined North Texas State University in 1967 (now University of North Texas) in Denton. His father had been a Professor of Chemistry at the sister institution Texas Women's University. Virginia (Jenny), also a native of Texas, obtained her M.S. in 1983 at Texas Women's University with a specialty in computer science. She organized and developed the computer and photography programs at Calhoun Middle School in Denton.

The couple married in 1998 and enjoyed an "extended" honeymoon exploring discovery of the elements sites during the period 1998-2010. Jim and Jenny were the perfect team, and collaborated on many, many projects. In 2003 they took a deeper look at the discovery of radon. Their paper, "Ernest Rutherford, the 'True Discoverer' of Radon," in the *Bulletin for the History of Chemistry* **28(2),** 76-83 (2003) won the 2003 HIST Paul R. Jones Outstanding Paper Award. They discussed the entire philosophy of discovery and acknowledged that often many people contributed to the final insight. In 2003 IUPAC still attributed the discovery of radon to Friedrich Ernst Dorn (1848-1916). J.R. Partington had raised questions about this conclusion. The Marshalls traveled to Halle, Germany, and accessed the original paper by Dorn in 1900 in an obscure local journal. It discusses the prior work by Ernest Rutherford (1871-1937) on radioactive substances emitted by thorium in the *Philosophical Magazine,* **49,** 1-14 (1900). We now know that thorium produces Rn-220, while the radium employed by Dorn produces Rn-222. Rutherford and Soddy went on to fully characterize the "emanations" we now call radon, a noble gas! The Marshalls' paper set a standard for this type of historical work.

Jim was invited by Tom Strom, one of his Texas friends, to present a paper on Ida Noddack for the "Ladies in Waiting for the Nobel Prize Symposium." The published chapter in the symposium volume *The Posthumous Nobel Prize in Chemistry. Volume 2. Ladies in Waiting for the Nobel Prize*, is a 44-page tour-de-force: "Ida Noddack: Foreteller of Nuclear Fission." J.R. Partington knew about the work of the Noddacks, but Jim carried out the deep research necessary to tell the full story. He was able to convey the

passionate partnership of Ida with Walter Noddack as they pursued the predicted elements: technetium (45) and rhenium (75). Ida often worked for love (no financial remuneration) on scientific projects in Berlin. They were the leading workers in the world in the field of Geochemistry. The crowning achievement of Ida was her realization that nuclear fission could produce fragments that were large enough to be isotopes of known elements. Jim's paper is a masterclass in chemical history!

The project on the Rediscovery of the Elements resulted in a massive archive produced by all the modalities of the modern historian. The original work was published as a series of articles in *The Hexagon,* the official journal of the chemical fraternity Alpha Chi Sigma. The first one was: "Rediscovery of the Elements: Tellurium and Faţa Băii (Fascebanya), Romania," James L. Marshall and Virginia R. Marshall, *The Hexagon of Alpha Chi Sigma*, **91**, No. 3, Fall, 43-45, (2000). The last one was: "Rediscovery of the Elements. The Alchemical Journey. Part 3." J. L. Marshall and V. R. Marshall, *The Hexagon of Alpha Chi Sigma*," **112(1)**, 10-13, (2021). More than 50 articles in all were published. In order to make the full corpus more available, they produced a DVD containing photographs and maps of the discovery sites. The initial version in 2010 was updated and is now available as a third edition (2021) as well as on the internet at http://www.chem.unt.edu/~jimm/REDISCOVERY%207-09-2018/. This project was immensely popular with ACS local sections and Jim gave more than 90 such talks. Each element was also featured in a video for the Division of Chemical Education. More than 100 such videos were produced! The Rediscovery of the Elements project was recognized by *Nature* in a lead article: "In Their Element," *Nature,* **2005,** 436(25), 2083 by the Editor in Chief, Alexandra Witze. It is worth quoting her as a tribute to Jim and Jenny: "I do remember that I thought the Marshalls' project might be of interest to my editors at *Nature* because it captured so much of historical and educational interest. Lots of people have collections of the elements, but to actually travel to the original sites of the discoveries? That's a very unique hobby. So much historical and scientific interest is involved illuminating the process through which scientific discoveries are made (or not made, in the case of elemental 'discoveries' being claimed inaccurately at times). The project also illustrated the global nature of scientific discovery, with various elements being discovered at various times in various countries. It's a truly unique way to explore how humanity's knowledge of the elements built up over time."

HIST is especially proud to have been a part of this journey.

Submitted by Vera Mainz

Paul Jones Outstanding Paper Award for 2023

The winner of the Paul Jones Outstanding Paper Award for 2023 is Peter E. Childs for his article, "Peter Woulfe (1727-1803): The Last of the Alchemists," *Bulletin for the History of Chemistry*, **2023,** *48(2),* pp 136-154.

Professor Childs has graced the history of chemistry with an article about a famous Irishman who spent most of his life in England written by an Englishman who spent most of his life in Ireland. Peter E. Childs was born in

Yorkshire in 1943 and did his undergraduate and graduate degrees in Chemistry at the University of Oxford (1965 BA, 1968 DPhil. with Sir Brian Fender) He carried out research as a postdoctoral Fellow at Northwestern University with J.B. Wagner, Jr. from 1968-69.

Professor Childs has had a lifelong interest in both the history of chemistry and the teaching of chemistry. During the six years he spent in Uganda, he started a magazine for chemistry teachers: *A Modern Approach to Chemistry.* Upon his return to England in 1976, and two further research fellowships, he joined Thomond College of Education (now merged with the University of Limerick) in 1978. He became Emeritus in 2009 but continued to pursue his passions. In 1980 Childs founded the magazine: *Chemistry in Action!* for Irish chemistry teachers. In 1982 he started the ChemEd-Ireland Conferences. Both efforts are still vibrant parts of the Irish chemical community. As part of his efforts to improve the chemical literacy of the Irish chemical community, he wrote many historical articles for *Chemistry in Action!*

He is a past President of the Irish Science Teachers' Association (ISTA) and the Institute of Chemistry of Ireland (ICI), and past chair of the EuChemS Division of Chemical Education. He has received awards for chemical education from ISTA, ICI, RSC and Pharmachemical Ireland.

One of the advantages of being Emeritus is the time to conduct serious historical research. Childs has produced both a highly informative treatise on Peter Woulfe, and a major contribution to our understanding of chemistry in the 18th century. Woulfe was a member of the Royal Society of London and gave three Bakerian lectures (in 1776, 1777 and 1778). He is memorialized as the "inventor" of the three-necked Woulfe's Bottle used in pneumatic chemistry to "wash" gases. Woulfe was rich and followed his own star. He both collected and sold minerals and chemicals. He was well-known in both London and Paris and learned chemistry with Rouelle. Since the classic practice of Alchemy by true adepts was a "secret activity," very little is known in detail about his research. What is known is that he sought the favor of the Almighty in his attempts to obtain the "philosopher's stone." In this respect, he was a true disciple of Robert Boyle!

Submitted by Vera Mainz

The Morris Award (SHAC) for 2024

The Society for the History of Alchemy and Chemistry (SHAC) wishes to announce that the Morris Award for 2024 has been given to **Carsten Reinhardt** for his outstanding work on the recent history of chemistry and the history of the chemical industry. He has been an innovator and a leader in the history of modern chemistry and chemical industry from the beginning of his career, exploring the instrumental, theoretical, commercial, industrial, and regulatory dimensions of the field that we call chemistry, while emphasizing the frequent "disappearance" of "chemistry" into other fields, such as molecular biology, materials science, nanotechnology, or environmental science. He has a gift for collaboration and cooperation that has greatly benefitted studies in the history of chemistry and chemical technology.

Carsten Reinhardt took his PhD on chemical research at BASF and Hoechst between 1863 and 1914 at the Technical University of Berlin in 1996. He became Professor for Historical Studies of Science, University of Bielefeld in 2007 and between 2013 and 2016, Reinhardt was President and CEO, Chemical Heritage Foundation, Philadelphia, USA (now the Science History Institute). From 2017 until 2021, he was the President of the Gesellschaft für Geschichte der Wissenschaften, der Medizin und der Technik (GWMT) and is a co-editor of the *Mitteilungen der Fachgruppe Geschichte der Chemie*.

The Morris Award honours the memory of John and Martha Morris, the late parents of Peter Morris, the former editor of Ambix and recognises scholarly achievement in the History of Modern Chemistry (post-1945) or the History of the Chemical Industry. The recipient of the award gives the Morris Award Lecture at an appropriate meeting, and this is usually published in Ambix. Previous holders of the

award are Ray Stokes (2009), Mary Jo Nye (2012), Anthony Travis (2015), Yasu Furukawa (2018) and Ernst Homburg (2021).

Call for Nominations for the 2025 Joseph B. Lambert HIST Award

The Division of History of Chemistry (HIST) of the American Chemical Society (ACS) solicits nominations for the 2025 Joseph B. Lambert HIST Award for Outstanding Achievement in the History of Chemistry. This award, formerly known as the Dexter Award and then the Edelstein Award, continues a tradition started in 1956. Lists of previous recipients of the Edelstein Award and its predecessor Dexter Award are available at the links given.

This award is sponsored by and administered by the Division of the History of Chemistry (HIST). The recipient chosen to receive the HIST Award is presented with an engraved plaque and the sum of $1500, usually at a symposium honoring the recipient at the Fall National Meeting of the ACS, which in 2025 will be held on August 19, 2025, in Washington, D.C. The award is international in scope, and nominations are welcome from anywhere in the world. Previous winners of the Dexter and Edelstein Awards include chemists and historians from the United States, Canada, Germany, France, the Netherlands, Hungary, and the United Kingdom.

Each nomination should consist of all of the following:

- A complete curriculum vitae for the nominee, including biographical data, educational background, awards, honors, list of publications, and other service to the profession;
- A letter of nomination summarizing the nominee's achievements in the field of the history of chemistry and citing unique contributions that merit a major award;
- At least two seconding letters;
- Copies of no more than three publications.

If material is sent as a pdf file, please combine into one file in the order requested above. Only complete nominations will be considered for the award. All nomination materials should be submitted (either as e-copy or as hard-copy in triplicate) to HIST for arrival no later than December 31, 2024.

Send an e-copy to Vera V. Mainz at mainz@illinois.edu OR alternatively send three (3) hard copies sets to:

Vera V. Mainz, HIST Sec/Treas
2709 Holcomb Drive
Urbana, IL 61802
USA

HIST News

HIST Elections 2024: Call for Nominations

Nominations are open for several posts within the Division of HIST.

If you would like to nominate a HIST member for any of the positions listed below, please contact one of the members of the Nominations and Elections committee by **September 1, 2024**. Self-nominations are welcome.

Elections will be held later in 2024 for the following positions:

- Chair-Elect (2025-2026), to be Chair in 2027-2028 and immediate past chair in 2029-2030.
- Secretary-Treasurer (2025-2026).
- Councilor (2026-2028 term).
- Alternate Councilor (2026-2028 term).

The positions and duties are described in HIST bylaws, available at http://www.scs.uiuc.edu/~mainzv/HIST/bylaws/bylaws-oct1995-HIST.pdf

One must be a HIST AND ACS member to be eligible for any of these positions.

To make a nomination (including a self-nomination) or an inquiry about any of these

positions, please contact the chair (Seth Rasmussen, seth.rasmussen@ndsu.edu) of the Nominations and Elections committee by **September 1, 2024**.

Thank you for your interest and membership in HIST!

Submitted by Vera Mainz

From the HIST Historian's Desk

The Centennial History of HIST is live on the HIST website. New chapters appear regularly. Two talks for the Denver meeting are based on two such chapters. All members of HIST are encouraged to select an area of the History of HIST and prepare a chapter for this project.

I will continue to produce around four chapters per year. Please send proposed subjects and finished chapters to gp9a@andrew.cmu.edu

Submitted by Gary Patterson

Upcoming Conferences and Meetings of Interest

Chemistry in the 18th Century

Rather than being a "wasted century," the 18th century saw both steady progress and remarkable advances made in both experimental and theoretical chemistry. Now is a good time to re-examine the original writings from this period and think deeply about what was learned and what was established for all time.

HIST will be holding a Symposium on Chemistry in the Eighteenth Century at the San Diego ACS Meeting held from March 23-27, 2025.

Submissions to this symposium are encouraged. Please communicate with Gary Patterson (gp9a@andrew.cmu.edu) prior to submitting an abstract to the ACS Meeting website.

Many chemists and chemical historians have already committed to presenting papers. There should be room for all scholars to present original work based on primary sources. In addition to the symposium itself, a book on Chemistry in the 18th Century is planned. It will include papers based on the talks given in San Diego and additional papers from scholars that could not attend but who wish to contribute to this discussion.

One of the purposes of the symposium is to stimulate new work in this area. The symposium will conclude with a panel discussion and dinner.

Submitted by Gary Patterson

Annual Autumn Meeting on 'Alchemy, Freemasonry, Hermeticism and Rosicrucianism'

The Society for the History of Alchemy and Chemistry (SHAC), in collaboration with the Allard Pierson of the University of Amsterdam and the Centre for History of Hermetic Philosophy and Related Currents (HHP), invites abstract submissions for its Annual Autumn Meeting on 'Alchemy, Freemasonry, Hermeticism and Rosicrucianism', to be held at the Allard Pierson on 11 October 2024. The meeting will be hybrid, although we strongly encourage in-person attendance.

In its extensive collections, the Allard Pierson holds the Bibliotheca Philosophica Hermetica State collection of around 4,400 rare manuscripts and printed works relating to the hermetic tradition, assembled by Dutch businessman Joost Ritman. For this meeting, we invite proposals for papers related to the alchemical material in the collection.

The keynote speaker will be Prof. Stephen Clucas (Birkbeck, University of London). There will be an exhibition of some of the highlights of the collection.

Submissions can be individual presentations, panels with 3 speakers, or roundtable proposals. Presentations should not exceed 20 minutes in length.

Titles of works in the collection can be found via the University of Amsterdam Library Catalogue (using the search terms Bibliotheca Philosophica Hermetica and selecting 'Allard Pierson Depot' in the Library filter on the right of the screen). Approximately 100 manuscripts from the collection have been digitized. The

Allard Pierson can provide an Excel file of all the books and manuscripts in the Bibliotheca Philosophica Hermetica State collection.

Other announcements of interest to HIST members

Bolton Society

The Bolton Society is a program for bibliophiles organized by the Donald F. and Mildred Topp Othmer Library of Chemical History at the Science History Institute. The Bolton Society encourages and promotes the individual love for and collection of all types of printed material devoted to chemistry and related sciences. It also supports the activities of the Othmer Library and encourages book donations from members. Established in April 2000, the Bolton Society is named after Henry Carrington Bolton (1843–1903), a chemist, historian, academic, bibliophile, and renowned bibliographer of chemistry. His Select Bibliography of Chemistry created the definitive list of chemical books published from 1492 to 1902. Anyone who believes in the Bolton Society's mission can join. Members include bibliophiles, academic and industrial chemists, chemical engineers, philatelists, librarians, historians, and booksellers. The Society meets on Zoom and attracts an international membership.

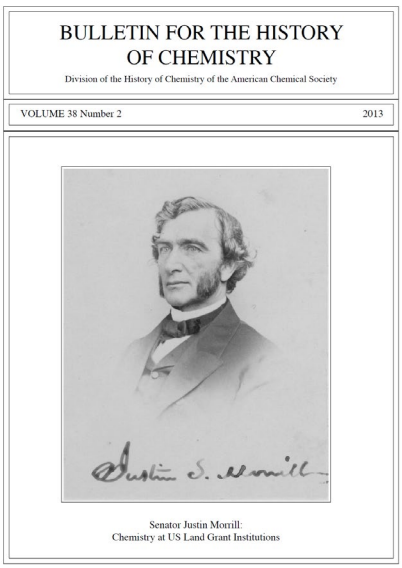
To join please fill out the form available on www.sciencehistory.org/research/othmer-library/bolton-society/

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.
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*
PO Box 522
Manlius, NY 13104
Email: giunta@lemoyne.edu

HIST Programming

Message from the HIST Program Chair

It is hard to believe that well over six years have passed since I wrote my very first column for the HIST Newsletter as the newly minted Program Chair of the Division. As I am nearing the completion of my seventh year in that position, I want to thank HIST for trusting me and helping me over the years, and especially for allowing me to carry out one of the most enjoyable and meaningful activities of my professional life. That period was immensely rewarding, as I met many HIST members, heard their enlightening and inspiring presentations, read their abstracts and papers, and learned a great deal. I was also delighted to be a part of our combined efforts to recruit new members during the technical sessions or Division Row at national ACS meetings, or at HIST symposia at regional meetings of the Society. During my lengthy-ish tenure, we had difficulties, too, particularly in 2020, that Annus Horribilis when the Pandemic paralyzed a large number of activities. Now, in 2024, I have every reason to be optimistic about the future of HIST. New ideas are becoming a reality, as the Division chair Art Greenberg mentioned in his message. In addition, the ACS is promoting new directions for the format of upcoming meetings, expecting future symposia to be more collaborative than they have been traditionally and to involve multiple divisions. For HIST, being the most interdisciplinary division of all (and I would firmly reassert these words any day!), this will not be a challenge but more of an expansion of what we have been doing for years. We delight in working with other divisions and love helping them uncover important truths from their past. Of course, we depend and will always count on you, our members, friends, and supporters, to give us advice, provide constructive criticism, and – vitally importantly – get involved in our work.

Upon re-reading the above paragraph, I realized what it looks like, but no, this is not really a goodbye. It is merely my announcement that, while I will always continue to work with HIST in some capacity (and it is a bug that, once caught, never goes away), I am now passing the Program Chair baton to my colleague-collaborator, partner in crime, and dear friend Christine Hahn. She has already served as the Associate Program Chair, and has organized multiple HIST symposia, so I am leaving you in truly experienced and trustworthy hands. I will be around, too, to ensure the transition is as smooth as possible.

Well, now, at last, on behalf of all the merry and enthusiastic "chemstorians" working behind the curtains to ensure we provide quality programming, let me welcome you to the 268th ACS National Meeting and to Denver. As ever, our technical sessions will offer an impressive variety of topics that many a chemist, historian, educator, and student will surely find informative and exciting. We will commence early on Sunday with a session consisting of General Papers, which will cover themes that range from useful materials to concepts, to people, and places that are in some way connected to important changes in our discipline. The session will continue after the lunch break, to be followed, also in that same afternoon, by a short session, organized by Roger Egolf, dedicated to the 150th anniversary of the Centennial of Chemistry Meeting.

On Monday, we cordially invite you to a full-day symposium that will deal with the history of forensic chemistry, which I had the pleasure of organizing. It is not particularly insightful to state that everyone likes mystery – this is simply a major part of our natural curiosity. Learning about how mysteries – whether related to crime, drugs, or art objects – are solved through chemistry will undoubtedly be of interest to many. So, do stop by! As usual, Monday night is the time for seeing interesting posters and socializing at SciMix. One thing we hope you will not miss is to stop by the HIST table at Division Row where you can meet several of us and tell us about what you would like to see at future meetings. We would be beyond thrilled if you are interested in helping us and volunteering. You and perhaps the friends you bring with you will be able to pick up a copy of *Bulletin for the History of Chemistry*. I assure you it will keep you entertained and excited during your trip back home – and after.

Bright and early on Tuesday, we will meet again to celebrate the work and accomplishments of the recipients of the HIST Award – Jim and the late Jenny Marshall. Jim will tell us about the project this creative and enthusiastic couple dedicated years of their lives to – the "Rediscovery of the Elements." In addition, you will learn about the other presenters' work on projects, which combine the exciting history of chemistry with education, outreach, the humanities, and art forms like theatre, poetry, and music. This celebratory symposium is organized by Tom Strom. Between the two sessions of the symposium – at noon – you will be able to attend the poster session and meet (or re-meet) some of the HIST presenters. Just make sure to be back in the lecture room by 2 pm for the second half of the symposium.

The full schedule of our technical and social events, as well as the abstracts of all HIST talks and poster presentations are supplied on the following pages. We know you will find something interesting there. We also feel rather certain that once you enter the HIST room in the Convention Center, you would like to stay with us, hear fascinating stories, and make new (or reconnect with old) friends.

Have a productive and memorable meeting. We will be back with you in the spring. Until then, be well!

Nick Tsarevsky, *HIST Program Chair*

HIST SYMPOSIA, Fall 2024 ACS National Meeting (August 18-22, 2024)

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

HIST Award Banquet

As part of its activities at the Fall 2024 ACS National Meeting, the History of Chemistry Division is pleased to host the 2024 HIST Award Banquet honoring James and Virginia Marshall's contributions. The Banquet will be held at Fogo de Chao (https://fogodechao.com/location/denver/), 1513 Wynkoop St., Denver, CO 80202; phone: 303-623-9600) on Tuesday, August 20. It will start at 7:00 pm (guests can arrive as early as 6:30 pm) and will feature the restaurant's Churrasco Experience (Market Table & Feijoada Bar with seasonal salads, exotic vegetables, imported cheeses, smoked salmon, cured meats, Fogo feijoada (traditional black bean stew with sausage), seasonal soup, as well as selection of special fire-roasted meats – picanha, alcatra, fraldinha, chicken legs, pork loin, pork belly, and sausage. Included are also traditional Brazilian sides of warm pão de queijo (cheese bread), crispy polenta, mashed potatoes, and caramelized bananas, and fountain beverages, tea, and coffee.). **Tickets are $60 and can be purchased from Vera Mainz, HIST Secretary-Treasurer**. The ticket covers the cost of the meal, tip, and tax. Ordinary beverages are included. Alcoholic beverages are available for additional cost from the cash bar. You can pay Vera via check or cash (exact amount preferred) at the banquet or when you see her during the meeting. If you plan to attend, please **RSVP by August 17th (Saturday)** via email to Vera Mainz (mainz@illinois.edu).

UPCOMING MEETINGS AND HIST DEADLINES

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

Spring 2025 ACS National Meeting (San Diego, CA, March 23-27, 2025)

Chemistry in the 18th Century (Invited and contributed) Gary Patterson, Vancouver, WA 98661, Phone: 412-480-0656, Email: gp9a@andrew.cmu.edu

Light and Science: A Historical Perspective (Invited and contributed) Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, Email: nvt@smu.edu, and Christine E. Hahn, Department of Chemistry, Texas A&M University-Kingsville, Kingsville, TX 78363, Phone: 361-593-3592, Email: Christine.Hahn@tamuk.edu

Tutorial and General Papers (Seeking contributions) Nicolay V. Tsarevsky, Department of Chemistry, Southern Methodist University, Dallas, TX 75275, Phone: 214-768-3259, Email: nvt@smu.edu, and Christine E. Hahn, Department of Chemistry, Texas A&M University-Kingsville, Kingsville, TX 78363, Phone: 361-593-3592, Email: Christine.Hahn@tamuk.edu

Fall 2025 ACS National Meeting (Washington, DC, August 17-21, 2025)

HIST Award Symposium (Invited) TBA

Past ACS Presidents: Frank Wigglesworth Clarke (1847-1931) (Invited and contributed) Gary Patterson, Vancouver, WA 98661, Phone: 412-480-0656, Email: gp9a@andrew.cmu.edu, and Carmen Giunta, PO Box 522, Manlius, NY 13104, Phone: 315-632-4992, Email: giunta@lemoyne.edu.

History of Quantum Chemistry (Invited and contributed) Collaborative symposium with PHYS, COMP, ComSci. Details TBA.

Tutorial and General Papers (Seeking contributions) Christine E. Hahn, Department of Chemistry, Texas A&M University-Kingsville, Kingsville, TX 78363, Phone: 361-593-3592, Email: Christine.Hahn@tamuk.edu

For updates and additional information, e.g., on symposia at regional ACS meetings, please check the HIST website (https://acshist.scs.illinois.edu/)