

## THE EUROPEAN SOCIETY FOR HISTORY OF SCIENCE'S (ESHS) RECENT MEETING: REFLECTIONS AND LESSONS FOR HSS MEMBERS

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The 8th biennial ESHS ([www.eshs.org](http://www.eshs.org)) meeting was held in London on 14-17 September 2018, with the Institute of Education at University College, London serving as its main venue. Half a dozen members of the History of Science Society (HSS) benefitted from a "Group Travel Grant" awarded by the NSF-STS Program,<sup>1</sup> in line with its prior sponsorship of similar groups of scholars to ESHS-2016 in Prague, among other international conferences.<sup>2</sup> These grants are particularly useful for US-based HSS members who work on European or transatlantic topics, and who thus

depend on interaction with European colleagues and on archival resources. At the same time, the "Group Travel Grant" requires a PI (principal investigator) who cares enough for the public good to assume its administration. As someone who almost missed a crucial conference in Tokyo,<sup>3</sup> precisely because such a PI was not available, I wish to emphasize the key role played by those who graciously agreed to serve as PIs of these "Group Travel Grants" for ESHS-2018 & ESHS-2016, namely Marsha Richmond and Donald Opitz, respectively (see their details in Note 1). Various scholarly and professional benefits deriving from participation at the ESHS-2018 Meeting,<sup>4</sup> will also be mentioned below, before concluding with some suggestions for improving the use of the "Group Travel Grant" instrument.

ESHS-2018's theme of "Unity and Disunity," was selected to resonate with Brexit, which continues to plague both the hosting country of UK and the

<sup>1</sup> The "Group Travel Grant", authorized by the NSF-STS Program Director Frederick Kronz, was administered by Professor Marsha Richmond, President of ISHPSSB, via her home institution, Wayne State University. In addition to her and me, those travelling to ESHS-London under this "Group Travel Grant" also included Donald Opitz, Assoc. Dean, DePaul Univ. and Secretary of the Intl. Comm. for the History of Women in STEM; Tina Gianquitto, Colorado School of Mines, Co-Chair, HSS Women's Caucus; Richard Kremer, Dartmouth College; and Anna Amramina, grad student, Univ. of Minn. It sought to enable the ESHS participation of US-based scholars who cannot count on institutional support for such international travel, most notably graduate students, post-docs, independent scholars, and those affiliated with small institutions. The "Group Travel Grant" mechanism covers all allowable expenses, in contrast with individual travel grants distributed by scientific societies, including HSS, which cover partial expenses only.

<sup>2</sup> For a description of this Program's sponsorship of travel by US-based scholars to an international meeting in Prague in 2015 see "Women and Men Making Knowledge: Reflections on the Prague conference of June 2015," <https://hsonline.org/wp-content/uploads/2014/07/Jan-2016-newsletter.pdf>.

<sup>3</sup> See "IWHC-Tokyo-2015 - An Enchanted Conference I almost Missed," <http://hsonline.org/wp-content/uploads/2016/04/July2015-Newsletter.pdf>.

<sup>4</sup> I wish to thank Marsha Richmond, Richard Kremer, (see Note 1 for both) and Anne-Sophie Godfroy of Republique des Savoirs, joint center of Ecole Normale Supérieure (ENS) and Centre National pour La Recherche Scientifique, (CNRS) in Paris for sharing many examples of benefits they experienced.

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European Union (EU), the parent supranational framework of ESHS. The theme inspired many participants to rethink their theoretical perspectives on the history of science, and though such a theme is not new for historians of science who had addressed it in the early 1990s, the impact of Brexit on historians of science, especially those whose careers stretch across the UK & EU, (for example, ESHS's general Secretary is an Italian national who is employed in the UK) was often discussed and alluded to at this meeting. Since ESHS-2018 included over 60 Symposia and stand-alone sessions, only a few of them will be highlighted here, with a focus on transatlantic history of science.<sup>5</sup>

One of the most comprehensive and insightful symposia was "Continuity and Discontinuity of University Education and Research Activities of Central European Scholars during WW2" (#21 in the ESHS Program, for those seeking its abstracts). This was a triple session symposium with over a dozen speakers from the Czech Republic, Austria, Germany, Hungary, and Slovenia, including pioneers of new perspectives into the history of science in Central Europe before, during, and after WW2, such as Mitchell Ash, Adela Junova Mackova, Michal Kokowski, Milada Sekyrkova, and Annette

Vogt. The symposium focused on the balance of continuity and discontinuity in research interests, institutions, and disciplines during WW2, while including "highly complex situations such as exile, resistance, war effort, or survival in a totalitarian regime."<sup>6</sup> Though this symposium's topic is rather far from my own scholarship, I learned a great deal from its illuminating juxtaposition of complementary perspectives on science in both occupied and occupier countries. The symposium highlighted the need to explore the complexities of the history of science in WW2 from multiple inter/national perspectives, while focusing on many grey areas. This contrasted with prior historiography which had focused on the polarized experiences of those who were forced to leave (e.g. as in *The Muses Flee Hitler*, Smithsonian, 1983) versus those who benefitted from staying under unsavory regimes.

Another symposium that provided new perspectives but also stirred nostalgia was "When Science Diplomacy Divides" (#43). This was a five-session symposium with about 30 speakers, commentators, and chairs. Its variety of fascinating case studies included co-organizer Simone Turchetti's (University of Manchester, UK) embrace of environmentalism by NATO;<sup>7</sup> among other exciting case-studies presented

<sup>6</sup> Symposium abstract on the ESHS website. (<http://eshs2018.uk>)

<sup>7</sup> His book *Greening the Alliance*, 2018, was just reviewed in the January 4th, 2019 issue of *Science* magazine, p. 37. (<https://doi.org/10.1126/science.aav1863>)

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<sup>5</sup> On the need to highlight transatlantic history of science and science policy see "What's in a Session?" <http://hssonline.org/wp-content/uploads/2014/04/Jan2010Newsletter.pdf>

## ESHS RECENT MEETING: REFLECTIONS AND LESSONS, CONT.

by (in alphabetical order) Matthew Adamson, (Central European University in Budapest) Roberto Cantoni, (University of Strasbourg) Ronald Doel, (Florida State University) Doubravka Olsakova, (Masarik University, Prague) Maria Rentetzi, (Technical University of Athens) Ana Simões, (University of Lisbon) and Geert Somsen. (Columbia University, USA) I use “nostalgia” because this symposium had a predecessor at ESHS- 2016 in Prague, which included the above-mentioned Turchetti & Olsakova, (as co-organizers) and which I was excited to take part in with a talk on US science attachés in London and Paris, in the 1950s.<sup>8</sup>

Yet, another rich and interesting symposium focused on “Circulating Gender in Contemporary Science: Women Scientists in the 20th Century” (#25). The emphasis was on the permanent movement and travels of women and gendered objects in the history of 20th century science. The session featured about a dozen speakers, commentators, and chairpersons, among them well-known colleagues with superb case studies, such as (in alphabetical order) Ana Barahona of UNAM in Mexico City; Patricia

<sup>8</sup> For the Program and abstracts of ESHS Meetings see the archived section of its website. ([www.eshs.org](http://www.eshs.org)) My extended activities at ESHS-2016-Prague (In addition to speaking in the symposium on the history of science diplomacy at ESHS-2016 in Prague, I also co-organized a session on “History of Science and Theatre” together with Robert Marc Friedman of Oslo University. This symposium format was an organizational feature that provided coherence to the program, while also reflecting prevalent patterns of long term intra-European collaborations.

Fara of Cambridge University, UK; Donald Opitz & Marsha Richmond of USA, (see note 1); Maria Rentetzi of the Technical University of Athens, Greece; Ana Romero de Pablos, Maria Santesmases, and Marta Velasco Martin, all of U. Madrid, Spain; Ida Stamhuis of the Free University of Amsterdam; and Anna Tunlid of the University of Uppsala, Sweden.

A related symposium “Shadows Illuminated: Invisibilities of Science and its Dis/unities” (#52) focused on the challenging topic of the “invisibility of actors, spaces, and projects” while calling attention to the type of sources required to retrieve what has been ignored, forgotten, or kept away from the historiography. The session alluded to lab assistants, museum staff, tourist guides, publishers, among other categories which remain obfuscated or missing from papers, end notes, and bibliographies. The session aimed to understand the reasons of such obfuscation, while advocating new combinations of primary and secondary sources, social theories such as actor network theory and social network analysis, as well as comparative and cross-disciplinary methods. For example, organizers Ana Cristina Martins (New University of Lisbon) and Joao Carlos de Sena-Martinez (University of Lisbon) interrogated the role played by foreign researchers in the rise of archeology in Portugal, while unearthing the role of women, both local and

foreign. Speaker Anne-Sophie Godfroy of the University of Paris, explored the reasons for the different visibility of scientists versus humanists, as well as women versus men, among the elite ENS university’s (Ecole Normale Supérieure) famous alumni and alumnae. She also charted new ground into the impact of co-education and institution merging on such in/visibility, both in France and cross-nationally. The session raised the key issue of epistemic in/justice for certain categories of scientists, such as foreigners and women. This is a key issue with which I also grapple in my current research on epistemic injustice for women, junior, and foreign scientists involved in the discovery of RNA splicing.<sup>9</sup>

A stand-alone session, which not only tackled the key topic of “Science Criticism from Within: What’s the Price of Self-reflexivity?” (#54) but also served as a reunion of veteran colleagues and friends, featured Helga Satzinger, a pioneer of gendered work in German genetics, recently retired from University College, London and relocated to her native Berlin; Jonathan Harwood, recently retired from the University of Manchester, UK and relocated to the University of Sussex, who did a great job as commentator; and Alexander Schwerin of the University of Berlin. The session deftly addressed the impact

<sup>9</sup> “RNA Splicing at 40: Reflections on Scientific Progress, Policy, and Social Justice” <https://hssonline.org/wp-content/uploads/2014/07/Apr-2017-newsletter.pdf>

## ESHS RECENT MEETING: REFLECTIONS AND LESSONS, CONT.

of self-reflexivity in science on the scientific culture in general, on the careers of the science critics, and on the parallel issue of scientific responsibility.

Another notable session was “The Fabulous 1930s in the History of Science & Technology” (#57), whose seven participants included Kathryn Olesko of Georgetown University, USA and Ana Simões. The session explored how thinkers of the 1930s, such as Boris Hessen, Robert Merton, Michael Polanyi, Edgar Zilsel, Ludwick Fleck, and Antonio Gramsci, among others, anticipated many of the main historiographical trends shaping the field of science and technology since the 1980s, such as historicism, social constructivism, and cultural studies of science. The session advocated a fresh look at their forgotten contributions. As a speaker at the 75th anniversary of the 2nd Congress for the History of Science of 1931, which was held in London under combined BJHS & HSS auspices at the Science Museum where the 1931 Congress was also held, I regretted not being involved with this “fabulous” flashback on the 1930s. That unique decade featured repeatedly in papers from my early days, so it was gratifying to see that the charm of this decade persists.

Last but not least, a few words about our session, (#37) “Uniting and Disuniting Research Threads: The Collaborative Relationships

between Giuseppe Levi, Viktor Hamburger, Rita Levi-Montalcini, and Joseph Needham,” which was organized by Ariane Droscher of the University of Verona, Italy. The session focused on the relationships between these scientists and their respective contributions to the rise of neuroembryology. Ariane Droscher examined Giuseppe Levi’s interest in phenomena of life and death, senescence and immortality, at the University of Turin in the inter-war period. Lijing Jiang of Colby College, Maine, USA (paper read by Marsha Richmond, see Note 1, who also served as this session’s resourceful commentator) focused on Viktor Hamburger’s pursuit of the concept of the “organizer” at Washington University in St. Louis, Missouri, in the 1930s and beyond. In my turn, I focused on Rita Levi-Montalcini, (1909-2012) a mentee of Giuseppe Levi and Viktor Hamburger, best known as co-discoverer of the nerve growth factor (NGF) for which she shared the 1986 Nobel Prize. (Two other students of Giuseppe Levi also became Nobel co-laureates, Salvador Luria in 1969 and Renato Dulbecco in 1975). Entitled “Marie Curie or Maria Callas: Rita Levi-Montalcini’s Most Remarkable Career in the US and Europe,” my talk focused on her integration of her two famed mentors’ legacies, as well as her rise as a cultural icon in Europe, after she retired from her scientific career in the US. We were very fortunate that our session,

which also included Alessandra Passarielo of the Universities of Rome and Ben Gurion, who focused on Joseph Needham’s contributions to chemical embryology, included a lively Q&A, because its level of attendance was likely affected by the ESHS organizers shifting its time slot twice.

We much enjoyed the superb keynote lecture (held in the impressive auditorium of the Royal Institution) by Ana Simões and the incoming ESHS President, who brought to life and current significance a relatively obscure but entrepreneurial Portuguese scientist of the 18th and 19th centuries, someone who also anticipated today’s European dream of career mobility across countries. I could not avoid reflecting on ESHS as a forum of opportunity for all Europeans, but especially for scholars from small countries in the European periphery. Colleagues such as Ana Simões and Efthymios Nicolaidis from Greece were among the most dedicated and distinguished ESHS members at this conference. Some of them, like Laure Miolo, a historian of astronomy from Paris, even became a friend. Various opportunities created by ESHS, such as the splendid banquet at the Royal Institution, the communal lunches and coffee/tea breaks, enabled endless reunions with colleagues from one’s remote past; it helped, if one already had some European past!

## ESHS RECENT MEETING: REFLECTIONS AND LESSONS, CONT.

Benefits accruing from participating in ESHS, can be classified into six categories:

1. Presenting the research of US based scholars in the main European forum for the history of science enabled them to obtain pertinent feedback from European colleagues, who constituted the vast majority of the ESHS-2018 conference attendees. For example, in my talk on Rita Levi-Montalcini's 2nd career as a cultural icon in Italy and Europe, as a life senator, as a policy adviser, and as a leader in civic engagements, especially after the Nobel Prize, European colleagues posed questions on the significance of her life as an embodiment of 20th century European history. By contrast, a US-based colleague asserted, without offering any justification, that she did not belong in a volume on innovative biologists.<sup>10</sup>
2. Participating in ESHS-2018 offered benefits beyond direct feedback on one's research. For example, those who attended multi-national symposia, and especially those who served as commentators expanded their horizons through exposure to new national traditions. Becoming acquainted with the hosting institutions, especially the Royal Institution, was an enriching experience because it is the site of a great deal of history of science since the 19th century. It was encouraging to see there not only the portrait of Faraday but also that of Frank James, long time editor of Faraday's *Collected Works*, curator of his instruments, and resident historian.
3. Specific professional benefits related to publication accrued to those who serve as journal co-editors, as they were able to use their presence at ESHS for advertising their journals, recruiting potential authors from among younger scholars, or dealing with actual authors; (e.g. Marsha Richmond for *J. Hist. Biol.* and Richard Kremer for *J. Hist. Astronomy*). Similarly, other US scholars were also able to discuss publication options with European press exhibitors at ESHS.
4. Opportunities for professional networking were numerous, including: a) business meetings with European collaborators and/or actual or potential co-authors or partners in special issues of journals; b) interaction as both a scholar and a delegate of US-based professional organization) with members of a UK-based consortium in digitalizing 19th century correspondence, including the discussion of future plans; (Marsha Richmond) c) advancing the planning of the international meeting of ISHPSB in Oslo in July 2019 with European officers; (Marsha Richmond, as ISHPSB President) d) participating in the local tradition of professional British "clubs" such as the "Equinox Society," thus getting better acquainted with UK museum curators and benefitting from their tips and experience; (Richard Kremer) and obtaining tips on archives in Sweden from a Swedish colleague I met for the first time at ESHS in London.
5. Participation in the business meeting of the International Commission on Women in the History of STEM, enabled those of us who were unable to attend ICHST in Brazil in 2017 to receive updates on the Commission's upcoming activities, most notably its biennial meeting, on 17-20 June 2019 at Tel Aviv University/Open University in Ra'anana.
6. Spin off activities beyond ESHS, resulting from one's presence for ESHS in Greater London, such as conducting archival research in nearby repositories, and opportunities for guest lecturing in European Programs for the History of Science.

<sup>10</sup> This argument was made in response to my suggestion that Rita Levi-Montalcini was a great example of a biological innovator who experienced outsider status, see *ISIS*, vol. 106, no. 2, (June 2015) 492-494, or <https://doi.org/10.1086/682814>

## ESHS RECENT MEETING: REFLECTIONS AND LESSONS, CONT.

### Suggestions for Improving the Use of the “Group Travel Grant”

1. It might be a good idea to stabilize the “Group Travel Grant” mechanism into a scheme that includes spin off activities, (e.g. such as those in 6 above) especially since travel within Europe is much cheaper than transatlantic travel. Current funding of collaboration follows intra-European science policy schemes inspired by the EU, to the detriment of former bi-lateral agreements between the US and various European countries. It is thus much more difficult for US-based scholars to collaborate in Europe or spend extended, or even a short time there. For example, I was able to spend

two academic years in Paris on funds from the French CNRS to work on French or comparative, French & American, subjects.<sup>11</sup> New archives have meanwhile opened, but such schemes no longer exist on the French side, where the focus remains on intra-European projects. To sum up, these grants support well documented and significant spin-off activities such as archival research, guest lectures, or participation at a parallel, relevant conference (e.g. the **Royal Society conference** on the centennial of WW1,

<sup>11</sup> Some of this research was consolidated in the volume *La Mise en Memoire de la Science*, (Paris: Editions de la Decouverte, 1998) sponsored by the French Ministry of Research via Maison Suger/ Maison des Sciences de l'Homme, as proceedings of a conference in Paris, which included speakers from both the US and several European countries. This French Language volume led to **Osiris 14**.

held a day prior to ESHS, and should be considered as allowable expenses. Along these lines, such a scheme should strive to cover all allowable expenses for those qualifying to participate in it, while also including clear priorities for consideration.

2. The timing of applying for the Group Travel Grant can be advanced, so that US-based scholars are better able to plan well in advance for the wider uses of the precious stay in Europe, afforded by such a scheme.

Let's hope that more US-based scholars will attend ESHS in 2020, to be held at the University of Bologna, in Italy.

### To “See the Suffering”

by Scott Jaschik (<https://www.insidehighered.com/users/scott-jaschik>)

*[The following article, based on the annual Jefferson Lecture sponsored by the National Endowment for the Humanities, appeared in Inside Higher Ed (Oct 16, 2018) and is reproduced with permission.]*

Many humanities professors these days feel besieged. Departments are being eliminated on some campuses. The job market is terrible. Politicians and pundits regularly question the

importance of the humanities, especially in comparison with science fields.

The 2018 Jefferson Lecture featured an argument that the humanities are needed more than ever, and in particular in medicine.

Being selected to give the Jefferson Lecture is considered the highest honor the federal

government bestows in the humanities, and this year that honor went to Rita Charon, a pioneer in the field of narrative medicine. Charon, a Harvard University-trained physician with a PhD in English literature, is the founding chair and professor of medical humanities and ethics and professor of medicine at the Columbia University Irving Medical Center.

## To “See the Suffering,” *cont.*

“I am here to suggest that there is much beyond the fixable that doctors must learn to see,” Charon said, according to her prepared text. “Beyond the bleeding and the seizing, we need to see the complex lived experience of the person facing a health problem. If we don’t, we miss the very reasons that persons visit us—their symptoms, their fears, their awareness of fragility. I am convinced—with evidence to support my conviction—that study and practice in the humanities is the most direct means to enable doctors to see the suffering that surrounds them.”

Charon argued that the skills of a doctor are in some ways similar to those of a humanities scholar. “We critique and analyze the work at the same time that we are summoned into its world and moved by its meanings. How similar this is to my medical work: I pay attention as an internist to signs and symptoms of disease, ruling in or out their possible causes and deciding what to do,” she said. “At the same time, I open myself to behold the patient’s singular situation, to hear the story, to imagine the world being described. This is what allows patients to feel heard, to feel recognized, to enter whole into care.”

To illustrate the point about how the humanities allow doctors to “see the suffering” of patients and to understand them, Charon interspersed lessons from art.

One of the paintings she discussed is “*Sea and Rain: Variations in Violet and Green*,” a small 1865 painting by James Abbott McNeill Whistler: “The palette and the scale seem at odds with one another—one soft, the other grand. Notice what reaches you, what you find yourself wondering about,” Charon said. “Does it have plot and characters? What is the mood of the painting, and what mood do you find surfacing in you as you look at it?” Her answer: “I imagine that some of the words that come to mind are vastness, solitude, loneliness, maybe independence, autonomy, or mastery. I hope some of you noticed that the human figure is translucent—it is a quite striking detail in the original. You can see through the figure, especially the legs. As I stood in front of this painting, I had two conflicting senses: all this sea and sky and sand is here for this one guy—the profusion, the bounty, the surfeit, the delicacy of the planet. On the other hand, the human figure is just an afterthought, barely there, expendable, maybe in the process of being erased.”

Charon was so taken with the painting that she hired a painter to copy it, and the reproduction now hangs in her home. Her interpretations of the painting change from day to day, she said. “The body in the painting is important,” Charon said, and illustrates her view of why narrative

medicine is so vital, and why medicine needs the humanities.

“Whistler gives us a body to contemplate. Medicine treats bodies, and bodies are not things,” she said. “Well, they are things and they are also more than things. In committing a Jefferson Lecture to medicine and the humanities, the endowment is making a powerful statement about the centrality to the culture, not just to medicine or science, of the problem and the gift of the body. We in the humanities are, in a subversive way, reappropriating the body from the sciences. Not only is the human body a piece of biological equipment, fixable when it breaks down, and to be discarded when it reaches the end of its functional lifespan... it is the singular expression of the time/space coordinates of one being, whose very identity exhales with each breath.”

## Dreams of Diversity for HSS

by Jay Malone

*[My deep thanks to Kate Sheppard for her help in revising this piece. Wooden phrasing and other infelicities remain my own.]*

I am writing this on International Women's Day (8 March), a time when the world consciously marks the impact of women. The day celebrates the creative power of women, from my classical music station playing pieces composed and performed by women, to my morning news feed offering tips on empowerment. IWD also includes practical tips for women. On a morning television show, a life coach shared active strategies women can use to feel empowered, with an emphasis on silencing their inner critic, a voice that tells them that their ideas are not worth sharing. She said that the first thing women need to tell themselves is "It's okay," that your thoughts should be shared, that you should speak up. And that you should be kind to yourself. These suggestions led me to reflect on those times when I had been a gendered minority.

Because the HSS annual meeting consumes so much of my time, I have been thinking about what women (and others) have experienced at the conferences and have tried to gain a better sense of a gendered experience in our conference.

At the American Association for the Advancement of Science conference this past February, I attended an 8:00 am session titled "A Feminist Agenda for Science Communication: Necessary and Timely." Some 100 attendees came

to that session, over 90% of them women. I learned that science communication is dominated by women, which explained in part the gender disparity in the audience, but I think it went deeper than that, that there are many other factors at play in that disparity, such as the hierarchical nature of scholarly approaches to science and technology. Being a distinct minority, I was self-conscious, wondering if I should say anything, how any shared thought would be perceived, and whether or not any comment would be helpful. I tried to just listen, and I was conscious of my role as an outsider, as someone who could be perceived as part of the problem.

A few weeks after AAAS, Tarana Burke, founder of the #MeToo movement, came to Notre Dame and led a workshop. Of the 50 attendees, 5 were men. Again, I had many questions that I wanted to ask but ended up just listening. And, again, I was self-conscious about being a cis man in a room of women. Several things struck me from that workshop:

1. It was the most diverse set of individuals (gender aside) that I had seen on Notre Dame's campus, (and I realize that looking around a room gives only a superficial idea of diversity, especially when it comes to gender.)

2. Many of the questions in the workshop (and Tarana Burke asked the most questions) came from a place of injury.
3. Any kind of movement requires enormous amounts of work (Tarana Burke had begun #MeToo with girls in Alabama over 10 years ago and she was as surprised as anyone when it caught fire.)

But the recurrent theme was the amount of bandwidth harassment occupies in a person's mind. Mental energy that should be focused on scholarship, on the history of science, is diverted to trying to interpret a gas-lighting episode, or on trying to process a subtle gesture or comment, or on wondering if one's ideas are being filtered due to appearance. Experiences such as these attenuate scholarly inquiry and diminish our field in many ways, from lost time in dealing with harassment to losing scholars from the field because they are tired of being treated this way. So I asked myself, what can we do?

The goal *seems* straightforward: Rooms filled with a diverse array of individuals who are focusing solely on the history of science. But these two elements—diversity and respectful behavior—are incredibly hard to achieve. We are working to ensure that HSS is moving in the right direction.

## Dreams of Diversity for HSS, *cont.*

We established a Diversity Committee this past November that will be looking at ways to improve diversity in the Society, and the latter objective is being addressed with our respectful behavior policy, which all conference attendees must agree to when registering for HSS. But these mark just a beginning, a beginning upon which we must build. Here are two requests.

For diversity, we need members to answer our questions about gender and race when renewing their membership. If we truly care about diversity, then we need to see where we are so that we can measure our progress toward our goals, which should entail more than a quick scan of a room. Diversity will not be easy because we are an international society and ideas of diversity

in the US are dramatically different from what is considered diverse in, say, Mexico. But, at the very least, we must have data.

And as difficult as attaining diversity will be, the second goal, that of minds that are fully occupied with the history of science, will be even harder. The interactions between genders at a conference (a foreign environment that features alcohol, weariness, and fear) can be fraught. It's also important that everyone (especially men) speak up when we see something questionable. We, as a tribe, can come together to take care of our own... and as a byproduct, we can bring new energy into the history of science.

### JSTOR for HSS Members

In its strategic plan, HSS identified professional development as one of our six goals. Specifically, the Society is focusing on supporting the “professional development of emerging history of science scholars in and outside the academy.” One of the ways in which the HSS can help our members advance their research and teaching is to facilitate access to the literature, and we are pleased to work with JSTOR to offer a **50% savings on a one-year JPASS subscription for members** (regularly \$199). JPASS, available as monthly or yearly plans, allows you to read whatever journal article you like and enjoy up to 120 PDF downloads a year from the JSTOR archive, an archive with over 7 million articles from 2 thousand journals (including *Isis* and *Osiris*), representing some 50 academic disciplines.

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## MEMBER NEWS

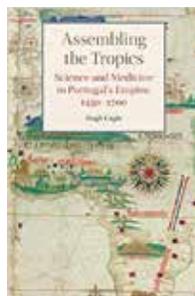
Marina Banchetti (Florida Atlantic University) published “**The Function of Microstructure in Boyle’s Chemical Philosophy: ‘Chymical Atoms and Structural Explanation’**” in *Foundations of Chemistry* (December 2018), “**Il neoplatonismo nell’ontologia chimica di Jan Baptista van Helmont**” in *Platone nel pensiero moderno e contemporaneo*, Volume X, edited by Andrea Muni, 1-26 (Milano: Limina Mentis, 2016), and “**Il minimo, l’unità, e l’universo infinito nella cosmologia vitalistica di Giordano Bruno**” in *Platone nel pensiero moderno e contemporaneo*, Volume XV, edited by Andrea Muni, 1-12 (Milano: Limina Mentis, 2018).

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Ian Burney (University of Manchester) has been awarded a John Simon Guggenheim Fellowship for 2019. He will be working on a project that seeks to place our present-day understandings of the forensic pursuit of innocence in historical perspective.

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Hugh Cago (University of Utah) published ***Assembling the Tropics: Science and Medicine in Portugal’s Empire, 1450-1700*** (New York: Cambridge University Press, 2018).



Steve Carr (Memorial

University of Newfoundland) won the **Editor’s Choice Award, *Genome***. The award recognizes the paper as scientifically significant, topical, and of broad interest. **The paper is also made free of charge at the journal website.**

He was also awarded the **National Geographic Society Exploration Grant** in association with the Miawpukek First Nation and Terra Nova Genomics, Inc. The Miawpukek (Mi’maq) First Nation in the Bay D’Espoir region of Newfoundland, in partnership with Terra Nova Genomics, Inc., has been awarded the first National Geographic Society Exploration Grant given to a team in Newfoundland & Labrador. The grant will support a combined genealogical/ DNA investigation of relationships among the Miawpukek First Nation and other ancient and modern Native- and Euro-American groups.

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Paula Clarke (Columbia College) and W. Ted Hamilton published “**When Management Defines Leadership: High Demand x High Support in a Rural Community College**” in the *Journal of Transformative Leadership & Policy Studies* 7, no. 2 (December 2018): 41-65.

The article represents the first of a series of planned publications about the authors’ efforts across many decades devoted to designing, implementing, and studying the impact of a High Demand x High Support teaching pedagogy in a

disadvantaged setting.

Paula K. Clarke was also the recipient of the American Anthropological Association/Oxford University Press Award for Excellence in the Undergraduate Teaching of Anthropology, 2008.

W. “Ted” Hamilton was the recipient of the CASE-Carnegie California Professor of the Year award in 2004.

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Tara Coffin (University of Washington) successfully defended her PhD Dissertation on “**Social Media as a Health Communication Tool**” this past December. (We hope that she takes advantage of the **free HSS e-membership** being offered to all newly minted PhDs).

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Erik Conway (Jet Propulsion Laboratory) and Naomi Oreskes (Harvard University) co-authored an opinion piece in the *New York Times* in October 2018 titled “**Fixing the Climate Requires More than Technology.**”

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Camille Croteau (Western University) received a **PhD Students and Early Career Academics Research Grant 2019**. The PhD Students and Early Career Academics Grant Programme is one of the research programs that has been organized by the Olympic Studies Centre since 1999, aiming to support academic research

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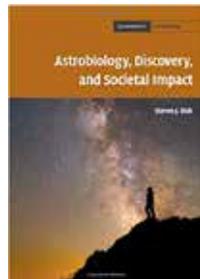
related to Olympism, the Olympic Movement and the Olympic Games. The OSC has decided to support her candidature to conduct research at the OSC library in Lausanne, Switzerland to analyze the medical discourse around women in sport. Her working title is “A genealogical analysis of the female testing discourse in sports medical literature.”

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Jane Davidson (University of Nevada Reno) and Michael J. Everhart published “*The Mystery of Elasmosaurus Platyurus Cope 1868, Where is the Rest of the Type Specimen?*” in *Transactions of the Kansas Academy of Science* 121, no. 3-4 (2018): 335-345.

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The Association of American Publishers has named Steven J. Dick’s (former NASA Chief Historian) book *Astrobiology, Discovery, and Societal Impact* (Cambridge: Cambridge University Press, 2018) as the PROSE winner for 2019 in the category of Cosmology and Astronomy.



The PROSE (Professional and Scholarly Excellence) Awards are considered the Oscars of academic publishing. Dick’s book uses history, discovery, and analogy to analyze the possible

impacts to humanity of discovering life beyond Earth.

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Thomas Drucker (University of Wisconsin—Whitewater) won the Distinguished Teaching Award, Wisconsin Section of the Mathematical Association of America.

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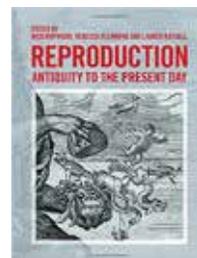
James Evans (University of Puget Sound) has been spending the year on sabbatical to work on a project titled “On the Role of Hypothesis in Science.”

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Nahyan Fancy (DePauw University) and Justin Stearns (New York University, Abu Dhabi) received a New York University, Abu Dhabi Institute Workshop Grant for conducting a workshop, tentatively titled “Current Trends in the History of Science in Muslim Societies: Debates, Approaches and Stakes.” The workshop will take place in New York City in December 2019.

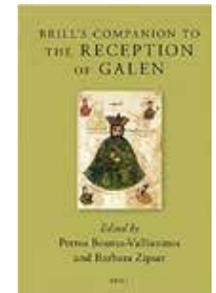
Fancy has also published articles in the following edited collections:

“Generation in Medieval Islamic Medicine” in *Reproduction: Antiquity to the Present Day*, edited



by Nick Hopwood, Rebecca Flemming, and Lauren Kassell, 129-140 (Cambridge: Cambridge University Press, 2018).

“Galen and Ibn al-Nafis” in *Brill’s Companion to the Reception of Galen*, edited by Petros Bouras-Vallianatos and Barbara Zipser, 263-278 (Leiden: Brill, 2019).



“Anatomy,” in *1001 Cures: Contributions in Medicine and Healthcare from Muslim Civilisation*, ed. Peter Pormann, 42-51 (Foundation for Science, Technology and Civilisation, 2018).

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Boris Farber (Noigel, LLC; TRIZ Biopharma International, Corp; Farber’s Center for Academic Success, Inc.) won *Top Biotechnologist and Top Educator of the Year for 2018* from the International Association of Top Professionals (IAOTP) and was featured in a *spotlight* in Marquis Who’s Who Magazine *Millennium*. He has also received the *Da Vinci Diploma and Medal* (2018, Hannover, Germany) and the *Nicola Tesla Diploma and Gold Medal* (2018, Energy).

Farber, Artur Martynov, and Ilya Kleyn published “*Creation of New Medical Drugs Based on TRIZ and Computer Mathematical*

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*Modeling*” in *Annals of Mechnikov Institute* 4 (December 2018): 15-34. The article was nominated for the Winner Diploma of the European Academy of Sciences in February 2019.

Since November 2018, Farber has served as CEO of **TRIZ Biopharma** International, Corp at 225 Broadway, Suite 1420, New York, NY, USA 10007, which specializes in R&D of new medical drugs. Since January 2019, Farber has served as Vice President of European Academy Natural Sciences, Chairman of USA Division.

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Anne Fausto-Sterling (Brown University), renowned biologist, was named the 2019 winner of the Ireland Distinguished Visiting Scholar Award.



Fausto-Sterling is the Nancy Duke Lewis Professor Emerita of Biology and Gender Studies at Brown University, where she is also the founder and former director of the Science & Technology Studies Program.

Fausto-Sterling graduated with her BA in zoology from the University of Wisconsin in 1965 and received her PhD in developmental genetics from Brown University in 1970. Over the course of her influential career, she has taught at Brown and at a number of other institutions as a

visiting professor and scholar, including Harvard University, Stanford, Radcliffe College, Mount Holyoke College, MIT, and The University of Amsterdam (Netherlands). She is currently a Fellow of the American Association for the Advancement of Science.

Fausto-Sterling is a leader in the field of biology and gender development. Her research explores gender, sexuality, race, and technology, with a particular focus on dynamic systems theory, which explores how cultural difference becomes physiological difference. Her dynamic systems approach to human development examines the longstanding nature versus nurture debate and highlights the flaws inherent in that debate.

She is the author of more than 60 scholarly articles and three influential books that have each been translated into multiple languages: *Myths of Gender: Biological Theories about Women and Men* (1985), *Sexing the Body: Gender Politics and the Construction of Sexuality* (2000), and *Sex/Gender: Biology in a Social World* (2012). She also contributed a chapter to *Critical Terms for the Study of Gender* (2014).

Fausto-Sterling appears widely in major media outlets, including *The New York Times* and PBS, both as a commentator and as an expert reference for journalists. She is a frequent contributor to the *Boston Review*, *Psychology Today*, and the

*Huffington Post*. She is a popular speaker and often leads higher-ed workshops on how to integrate feminist scholarship into the science curriculum.

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Amy Fisher (University of Puget Sound) has been officially recommended for tenure by the Science, Technology and Society Program and the Faculty Advancement Committee.

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Michael Gordin (Princeton University) gave a lecture on the periodic table (“D. I. Mendeleev’s Periodic Table: What Happened in February 1869?”) on the



occasion of its 150th anniversary at the Feb 2019 annual meeting of the American Association for the Advancement of Science.

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Anita Guerrini (Oregon State University) gave a keynote lecture, “Giants, Fossils, and the Origins of Nationalism” at the Boerhaave Museum in Leiden on March 28. This public lecture was part of the Lorentz Center workshop “Types of Knowledge: Towards a New History of Concepts and Practices,” which took place from March

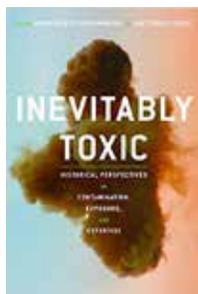
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25-29. Anita is in residence at the Camargo Foundation in Cassis, France, from February 26 until May 15 and then at the Descartes Center at the University of Utrecht, Netherlands, from May 15 until July 31.

She officially retired from Oregon State on 1 Jan 2019.

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Vivien Hamilton (Harvey Mudd College), Brinda Sarathy, and Janet Brodie published *Inevitably Toxic: Historical Perspectives on Contamination, Exposure and Expertise* (Pittsburgh: University of Pittsburgh Press, 2018).



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Hans Haubold (United Nations, Vienna and New York) reports a follow-up to a lecture that Gerald Holton (Harvard University) gave in 1997 and was later published: the Robert and Maurine Rothschild Distinguished Lecture, which was titled “Einstein and the Cultural Roots of Modern Science” (Daedalus, *Journal of the American Academy of Arts and Sciences*, “Science in Culture” 127, no. 1, *Proceedings of the American Academy of Arts and Sciences*, (Winter 1998): 1-44), on 8 April 1997. Holton wrote that “from the list of icons of high culture at the time who greatly impressed Einstein, I must focus on

just one author, indeed one who, with Friedrich Schiller, was among the most universally revered: Johann Wolfgang von Goethe.” Holton refers to Friedrich Herneck’s book *Einstein privat: Herta W. erinnert sich an die Jahre 1927 bis 1933* (Berlin: Buchverlag Der Morgen, 1987, 47-48) which states that Einstein kept sculptured busts of both Goethe and Schiller in his Berlin apartment in the Haberlandstrasse 5. The house was destroyed during World War II, but what was not known in detail until recently is that Einstein had presented the two busts to a relative of his house maid, Herta W., on the occasion of a visit to Einstein in the Haberlandstrasse apartment.

Unexpectedly, on 1 Feb 2019, the two busts together with a personal letter from Einstein, dated 22 March 1929, stating that he presented the two busts to Herta W.’s youngest brother, were unearthed at an auction broadcast on German television and thus were made visible to a wide audience.

The [YouTube video](#) (in German) shows in detail the expert’s evaluation of the Goethe and Schiller busts and the accompanying Einstein letter.

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Robert D. Hicks (College of Physicians of Philadelphia/Mütter Museum) published “Scabrous Matter: Spurious Vaccination in the Confederacy” in *War Matters: Material*

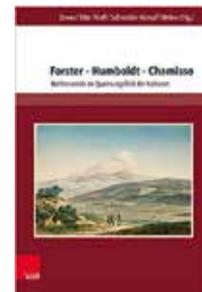
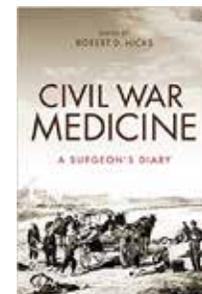
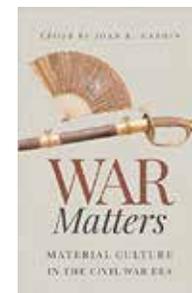
*Culture in the Civil War Era*, edited by Joan Cashin, 123-150 (Chapel Hill: University of North Carolina Press, 2018).

He also edited *Civil War Medicine: A Surgeon’s Diary* (Bloomington: Indiana University Press, 2019).

It features a narrative of the experience of an army regimental surgeon during the Civil War based on the hitherto unpublished diary of James Fulton, MD, Assistant Surgeon, 143rd Pennsylvania Volunteer Infantry. The volume includes contextual essays by Shauna Devine, Guy R. Hasegawa, Barbra Mann Wall, Margaret Humphreys, Randall M. Miller, and James M. Edmonson.

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Brigitte Hoppe (LMUniversity of Munich) published “Erfahrungsaustausch zwischen den Naturhistorikern und Forschungsreisenden Chamisso und Martius” in *Forster - Humboldt - Chamisso*, edited by Julian Drews, et al., 297-313 (Goettingen: V&R unipress, 2017).

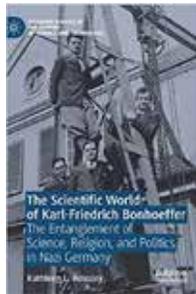


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She also published “Die vergleichende Methode in der Naturforschung im Wandel” in *Virchow-Forschung als Lebensaufgabe*. Festschrift zum 80. Geburtstag von Christian Andree, edited by Ingo Wirth, 213-30. (Hildesheim, Zuerich, New York: Georg Olms, 2018).

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Kathleen L. Housley (independent scholar) published *The Scientific World of Karl-Friedrich Bonhoeffer: The Entanglement of Science, Religion, and Politics in Nazi Germany* (Cham: Palgrave Macmillan, 2019).



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Danian Hu (The City College of New York) published “ ” ” ” — ” ” [“The Proletarian Scientific Revolution” in the Cultural Revolution: The CAS “Relativity Criticism Group” Reexamined] in [Studies in the History of Natural Sciences] 37, no. 3 (2018): 327-363.

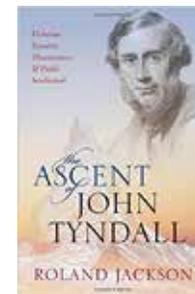
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Hieke Huistra (Utrecht University) published *The Afterlife of the Leiden Anatomical Collections: Hands On, Hands Off* (New York: Routledge, 2019). It starts where most histories end: after death. It tells the story of thousands of body parts kept in bottles and boxes in

nineteenth-century Leiden—a story featuring a struggling medical student, more than one disappointed anatomist, a monstrous child, and a glorious past. Huistra blends historical analysis, morbid anecdotes, and humor to show how anatomical preparations moved into the hands of students and researchers, and out of the reach of lay audiences. In the process, she reveals what a centuries-old collection can teach us about the future fate of the biobanks we build today.

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Roland Jackson (The Royal Institution of Great Britain) published *The Ascent of John Tyndall* (Oxford: Oxford University Press, 2018). It was published in the US in July 2018. It is the first full biography of John Tyndall in more than 70 years.



He also published “Eunice Foote, John Tyndall and a question of priority” in *Notes and Records* (February 2019). The journal article is online, prior to print publication later this year. The topic (Eunice Foote and John Tyndall) is becoming a bit of a cause célèbre in relation to the marginalization of women in

science, and this paper offers a detailed analysis and judgement.

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Christine Keiner (Rochester Institute of Technology) won the 2019 Everett Mendelsohn Prize for her article “A Two-Ocean Bouillabaisse: Science, Politics, and the Central American Sea-Level Canal Controversy,” in the *Journal of the History of Biology* 50, no. 4 (2017), 835-887. The Mendelsohn Prize was instituted in 2016 to honor the founding editor of *JHB*, and is awarded annually to the author of an article published in the journal during the previous 3 years. The article will be freely available on the *Journal of the History of Biology* website during 2019.

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John Krige (Georgia Institute of Technology) won the Francis Bacon Award in the History and Philosophy of Science and Technology. He will spend Fall 2019 in the Department of Humanities and Social Sciences at Caltech and will organize a conference on transnational approaches to the history of science and technology for spring 2020.

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Mark Largent (Michigan State University) is serving as Interim Associate Provost for Undergraduate Education.

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Pierre Laszlo edited an issue, abundantly illustrated and in press, of the *Bulletin of the Sabix (Société des amis de la Bibliothèque de l'École polytechnique)*, devoted to the late Alfred Sauvy, an alumnus of the École. He authored or co-authored several articles in the issue, including Repères biographiques; Liste chronologique des livres publiés par Alfred Sauvy; Les fiches de lecture d'Alfred Sauvy (co authored with Pierre Couveinhes); Recension du livre d'Alfred Sauvy « Aux sources de l'humour »; and Sauvy et la langue française.

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Michael R. McVaugh (University of North Carolina) edited *Arnau de Vilanova, Speculum, Arnaldi de Villanova Opera Medica Omnia*, vol. XIII (Barcelona: Fundació Noguera-Universitat de Barcelona, 2018).

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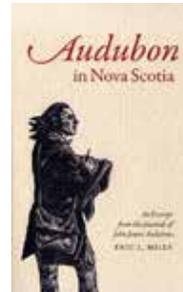
Erika Milam (Princeton University) published *Creatures of Cain: The Hunt for Human Nature in Cold War America* (Princeton: Princeton University Press, 2019).

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Eric L. Mills (Dalhousie University) edited and annotated *Audubon in Nova Scotia: An Excerpt from the Journals of John James Audubon* (Kentville: Gaspereau Press, 2018).

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William Newman (Indiana University) published *Newton the Alchemist: Science, Enigma, and the Quest for Nature's "Secret Fire"* (Princeton: Princeton University Press, 2018). *Newton the Alchemist* is the first scholarly monograph book on Isaac Newton's alchemy to appear in a generation. The work uses a combination of laboratory replication of Newton's experiments and critical reading of the million-plus words he wrote on the subject to come to a radically new understanding of the role that alchemy played in his life and work. *Newton the Alchemist* also contains four appendices in which a number of Newton's alchemical treatises are edited for the first time.

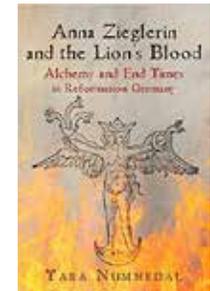
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Agustí Nieto-Galan (Universitat Autònoma de Barcelona) won the **ICREA Acadèmia Prize** (2018). The ICREA Acadèmia program was launched in 2008 with the aim of contributing to the intensification of the research carried out by university professors who are in a fully active

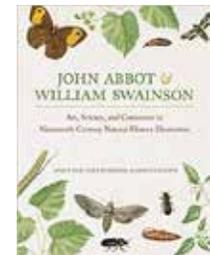
and expansive phase of their research careers. The winners of the ICREA Acadèmia award, all of them professors at Catalonia's public universities, receive a substantial research grant for a period of five years.

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Tara Nummedal (Brown University) published *Anna Zieglerin and the Lion's Blood: Alchemy and End Times in Reformation Germany* (Philadelphia: University of Pennsylvania Press, 2019).



Nummedal, Janice Neri, and John V. Calhoun published *John Abbot and William Swainson: Art, Science, and Commerce in Nineteenth-Century Natural History Illustration* (Tuscaloosa: University of Alabama Press, 2019).

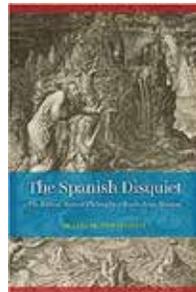


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Donald Optiz (DePaul University) began serving as Editor-in-Chief of *Endeavour*, a leading journal for the history and philosophy of science published by Elsevier, on 1 Jan 2019. (While serving, he continues as Associate Professor and Interim Dean in the School for New Learning at DePaul.)

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María M. Portuondo (Johns Hopkins University) published *The Spanish Disquiet: the Biblical Natural Philosophy of Benito Arias Montano* (Chicago: University of Chicago Press, 2019).



on this project at the Huntington Library in San Marino, California, where he will be the Dibner Distinguished Fellow in the History of Science and Technology.

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Patience Schell (University of Aberdeen) published “Natural History Values and Meanings in Nineteenth-Century Chile” in *Notes and Records* 73, no. 1 (March 2019): 101-124.

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Timothy Schultz (U.S. Naval War College) published *The Problem with Pilots: How Physicians, Engineers, and Airpower Enthusiasts Redefined Flight* (Baltimore: Johns Hopkins University Press, 2018).



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Angela Shaffer (American Public University System) began a master’s certificate program in European History, February 2019.

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Carlos Sierra (Universidad Nacional de Colombia) is now an Associate Professor with tenure, granted recognition under the new statute for teaching staff.

He also published:

*La dimensión bioética en la historia de la guerra* (Medellín: Universidad CES, 2018)

“Leonardo da Vinci: El Tony Stark del Renacimiento” in *Agenda Cultural Alma Mater* (Universidad de Antioquia), no. 262 (March 2019): 4-8

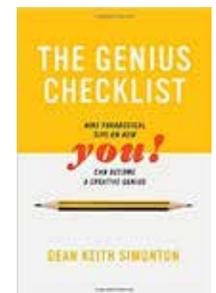
“Energía y equidad: La luctuosa transformación del fuego” in *Revista Universidad de Antioquia*, no. 332 (April-June 2018): 9-12

“La infausta transmutación del agua” in *Revista Universidad de Antioquia*, no. 331 (January-March 2018): 13-16

“La dimensión ética en filmes y series de televisión” in *Revista de Bioética Latinoamericana* 22, no. 1 (September 2018-February 2019): 171-198

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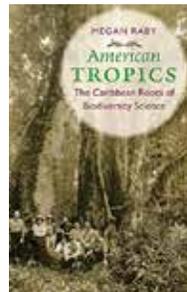
Dean Keith Simonton (University of California, Davis) published *The Genius Checklist* (Cambridge: MIT Press, 2018).



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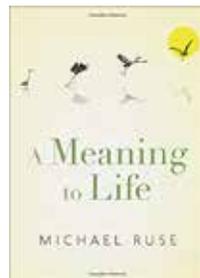
Pamela Smith (Columbia University), Seth Low Professor of History and Founding Director of the Center for Science and Society, is thrilled

Megan Raby (University of Texas) has published *American Tropics: The Caribbean Roots of Biodiversity Science* (The University of North Carolina Press, 2017).



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Michael Ruse (Florida State University) published *A Meaning to Life* (New York: Oxford University Press, 2019).



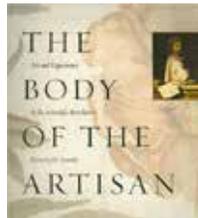
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Edmund Russell (Carnegie Mellon University) has received a John Simon Guggenheim Fellowship for 2019. He is writing the first scholarly book on the transcontinental telegraph, which crossed the American West in 1861. He will spend the academic year 2019-2020 working

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to announce that the Center for Science and Society has been awarded a grant from the Andrew Mellon Foundation to continue building the activities of the Center’s Research Clusters, its curriculum development and seed grants, and its public outreach programming.

She also published a new paperback edition of *The Body of the Artisan: Art and Experience in the Scientific Revolution* (Chicago: University of Chicago Press, 2018).



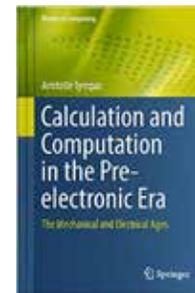
Miriam Solomon (Temple University) has received a John Simon Guggenheim Fellowship for 2019. She will be a Visiting Fellow at Clare Hall, Cambridge, and a Visiting Scholar at the Department of History and Philosophy of Science, Cambridge University. Her project, *Evidence and Values in the DSM 5.x*, uses tools from recent philosophy of science, science studies, and social epistemology to make recommendations for how to improve the ongoing process of revision of the *Diagnostic and Statistical Manual of Psychiatric Disorders of the American Psychiatric Association (DSM)*.

Bruno J. Strasser (University of Geneva)

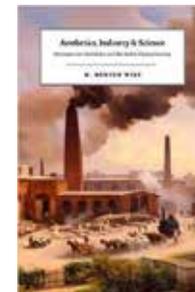
published *Collecting Experiments: Making Big Data Biology* (Chicago: University of Chicago Press, 2019).



Aristotle Tympas (National and Kapodistrian University of Athens) published *Calculation and Computation in the Pre-electronic Era: The Mechanical and Electrical Ages* (London: Springer, 2017).



Norton M. Wise (UCLA) has published *Aesthetics, Industry, and Science: Hermann von Helmholtz and the Berlin Physical Society* (Chicago: University of Chicago Press, 2018).



Rega Wood (Indiana University, Bloomington), et al. edited *Richard Rufus of Cornwall: Sententia cum quaestionibus in libros de anima Aristotelis* (Oxford: Oxford University Press, 2019).



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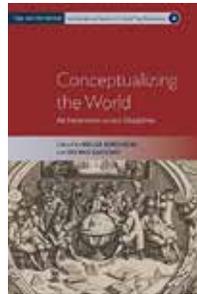
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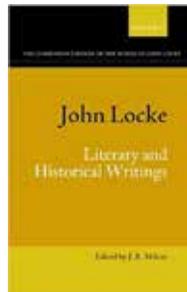
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Richard Yeo (Griffith University) published “Hippocrates’ Complaint and the Scientific Ethos in early Modern England” in *Annals of Science* 75, no. 2 (2018), 73-96.

He also published “The Individual and the ‘Intellectual Globe’: Francis Bacon, John Locke, and Vannevar Bush” in *Conceptualizing the World: An Exploration across Disciplines*, edited by Helge Jordheim and Erling Sandmo, 311-324 (New York and Oxford: Berghahn Books, 2019).



In collaboration with Brandon Chua, Geoff Kemp, David McInnis, and John Spurr, he also published *John Locke: Literary and Historical Writings*, edited by J. R. Milton (Oxford: Clarendon Press, 2019).



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Anya Zilberstein (Concordia University, Montreal) and Molly Warsh will be co-editors of the new book series “New/Old Natures: Histories of the Environment” with Routledge.

## Karen Rader Delivers 2019 Sarton Lecture at AAAS

For the 2019 George Sarton Memorial Lecture in the History and Philosophy of Science, Karen Rader (Virginia Commonwealth University) provided a powerful exposé on the historical significance of science education in various media in the 20th century. Titled “Science for Grownups: Assessing Past and Present Adult STEM Education in the United States” the lecture asked the question “What if we focus on adults, rather than children, when looking at post-Sputnik science education and pause to look at successes and failures?”

Using sources that ranged from Benjamin Gruenberg’s “Science and the Public Mind,” which urged policy makers in the Eisenhower Administration to establish goals for adult populations, to Catherine Mackenzie (Bierstadt), who was employed by Alexander Graham Bell and wrote a weekly column for the *New York Times Magazine* with a focus on mental health, Professor Rader, touched on how various popular media wielded significant influence on science literacy.

What gave her lecture particular power was her ability to show the hidden assumptions in popular media, such as the made-for-tv movie “Hemo the Magnificent” (1957) directed by



(Left to Right: John Powers (dashing historian of chemistry), Karen Rader (Sarton Lecturer), Betty Smocovitis (Chair of AAAS Section L)

Frank Capra, which contained veins of religious themes that her students have found surprising in their frequency (AAAS Director, Rush Holt, who attended the lecture, reported that he remembers “Hemo,” that it influenced him, and that he did not think twice at the time about its religious themes.). She urged us to think about how re-telling these stories has the potential to re-shape STEM education, and that by knowing more about the landscape we will better understand the identities of learners and teachers who occupied these spaces, and what worked best.

## NEWS FROM THE HSS

### 2019 *Osiris* Call for Proposals

The Editorial Board of *Osiris* solicits proposals for Volume 38 which will appear in 2022 or 2023. *Osiris* is an international research journal devoted to the history of science and its cultural influences and is a publication of the History of Science Society and the University of Chicago Press.

*Osiris* aims to connect the history of science with other areas of historical scholarship. Volumes of the journal are designed to explore how, where, and why science draws upon and contributes to society, culture, and politics. The journal's editors and board members strongly encourage proposals that engage with and examine broad themes while aiming for diversity across time and space. The journal is also very interested in receiving proposals that assess the state of the history of science as a field, broadly construed, in both established and emerging areas of scholarship. Forthcoming volumes are concerned with the history of science and science fiction; science, technology, and food; and global medical cultures and laws.

Proposals should include the following items:

1. A description of the topic and its significance (approximately 1500 words), especially highlighting the significance of the proposed volume to the history of science, broadly

construed. For an example of a successful proposal, see <https://www.journals.uchicago.edu/pb-assets/docs/journals/Osiris-30-Sample-Proposal.pdf>

2. A list of 12 to 15 contributors and essay title + succinct description (~ 150 words) of each contributor's individual essay
3. A one-page c.v. of the guest editor(s)

The guest editor(s) and their contributors must be prepared to meet the *Osiris* publication schedule. Volume 38 (2023) will go to press—after refereeing, authors' revisions, and copy-editing—in 2021. The guest editor(s) must therefore choose contributors who are able to submit their completed essays by early 2021.

Proposals are typically reviewed by the *Osiris* Editorial Board at the annual meeting of the History of Science Society. The announcement of the next volume of *Osiris* will be made in January 2020.

Proposals and all supporting material should be sent in paper or electronic copy by 15 October 2019 to both:

W. Patrick McCray  
Department of History  
University of California, Santa Barbara  
Santa Barbara, CA 93106-9410  
[pmccray@history.ucsb.edu](mailto:pmccray@history.ucsb.edu)

Suman Seth  
321 Morrill Hall  
Department of Science and Technology Studies  
Cornell University  
Ithaca, NY 14853  
[ss536@cornell.edu](mailto:ss536@cornell.edu)

### HSS Statement on Digital Scholarship

The History of Science Society supports digital scholarship in its myriad forms and has created a digital site as a forum for all things digital in history of science. We take the phrase digital scholarship in its broadest form to mean anything that involves electronic or digital tools, resources, or texts. Therefore, the premise of this site is that we are all digital scholars in some form or fashion. Digital tools and platforms are clearly shifting the ways in which we do history: from research to presentation and publication. We now have people curating digital exhibits with multimedia, building web interfaces for traditional scholarly resources, doing computational analytics that reveal patterns in the historical data, using popular social media platforms to foster community and scholarship around the globe, teaching gamified classes, and more.

This site [see <https://digital.hssonline.org>] seeks to orient you to digital media, data, and

## NEWS FROM THE HSS, CONT.

tools used in the service of history of science scholarship. This is an arena for showcasing some of the most interesting recent work in digital history of science, for discussing the future of digital history of science, and for pointing people to resources. You will find our current (but not exhaustive) collection of resources at Digital Projects. These include correspondence, databases, libraries, mash-ups, primary source full-texts, repositories, and blogs. As we build this site, we encourage people looking for information to respond to us and tell us where we need to provide more resources. If you think you are doing digital scholarship and you don't see yourself here, then talk to us.

*Digital Scholarship Statement approved by HSS Council on 1 Nov 2018*

### **HSS Joins Academic Societies in Protesting Cuts to Higher Education in Alaska**

*The HSS Council voted this past March to add the HSS's name to a letter addressed to the governor of Alaska and other officials, which objects to proposed cuts to higher education in the state.*

March 4, 2019

Dear Governor Dunleavy, Representative Edgmon, Senator Giessel, Representative Foster, Representative Wilson, Senator Stedman, and Senator von Imhof,

As professional societies representing tens of thousands of faculty members and students from humanistic and social scientific disciplines, including many in Alaska, we express deep concern about Governor Dunleavy's proposed funding cuts for higher education. While we understand that Alaska is currently facing financial constraints, a \$134 million reduction in state support for the University of Alaska will undoubtedly have devastating consequences to the well-being of the state for generations to come.

Higher education is a critical engine for individual economic well-being and for local, state, and national economies. College graduates earn more, are less likely to be poor, and are less likely to rely on public assistance than others. According to the 2017 American Community Survey, Alaskans with a bachelor's degree earn an average of \$56,914 per year, compared to \$41,758 for those with an associate degree or some college, and \$35,868 for high school graduates. Moreover, according to a study of high school graduates by the Alaskan Department of Labor and Workforce Development, the vast majority of those who attended college in Alaska

continue to reside in the state ten years after graduation, while the vast majority of those who left the state for higher education did not return. A healthy local system ensures that many of the economic benefits of higher education remain local. Further, higher education helps to ensure a local workforce with the capacity to respond to rapidly changing economic, political, and social contexts.

The proposed budget cuts would shift the costs of higher education in Alaska even more heavily to students and their families. Data from the State Higher Education Executive Officers show that between 2008 and 2017, net tuition revenue per student at Alaska's public institutions increased 26 percent. The proposed 41 percent budget cut would necessitate additional and more significant tuition increases and still require the elimination of programs and services. University President James Johnsen has estimated that more than 1,000 faculty and staff would have to be laid off to accommodate such big cuts. Undoubtedly, this would significantly lower enrollments, with a corresponding decline in tuition revenue, and put the system in an untenable situation with respect to retaining high quality faculty.

Investment in a robust system of higher education is an investment in the public good that extends beyond economics. The university's mission is to inspire learning and to advance

## NEWS FROM THE HSS, CONT.

and disseminate knowledge through teaching, research, and public service, emphasizing the North and its diverse peoples. If Alaska's higher education system is decimated, it will have not only negative economic consequences, but negative consequences on the broader social well-being of individuals and communities in Alaska. We know you face difficult choices in developing a responsible and responsive budget that meets the complex needs of Alaska's citizens. As you make these choices, we urge you to consider the value of higher education, the many contributions higher education makes to the well-being of Alaska, and the severe negative consequences to reducing investment in higher education.

If you would like to follow up with questions or comments on any of these issues, please contact Teresa Ciabattari, PhD, Director of Research, Professional Development, and Academic Affairs at the American Sociological Association. She can be reached at [tciabattari@asanet.org](mailto:tciabattari@asanet.org) or 202.247.9840.

Sincerely,  
 American Academy of Religion  
 American Anthropological Association  
 American Association of Geographers  
 American Dialect Society  
 American Folklore Society

American Historical Association  
 American Musicological Society  
 American Philosophical Association  
 American Political Science Association  
 American Schools of Oriental Research  
 American Society for Eighteenth-Century Studies  
 American Society for Environmental History  
 American Society of Comparative Law  
 American Sociological Association  
 American Studies Association  
 Association for Slavic, East European, and Eurasian Studies  
 Association of College and Research Libraries  
 College Art Association  
 Dance Studies Association  
 History of Science Society  
 Latin American Studies Association  
 Linguistic Society of America  
 Middle East Studies Association  
 Modern Language Association  
 National Communication Association  
 National Council on Public History  
 Organization of American Historians  
 Sixteenth Century Society and Conference  
 Society for Ethnomusicology  
 Society of Architectural Historians  
 Society for Cinema and Media Studies  
 World History Association

## HSS@Work: A Personal Appeal

*By Jay Malone*

Shortly after receiving my PhD, I worked as a freelancer, unable to land the tenure-track job that had been my goal during my graduate life. Having a supportive spouse helped tremendously but with our second child on her way, I knew that I needed work that promised more stability. I was on the cusp of dropping out of the history of science altogether, when my advisor encouraged me to apply for the new position of HSS Executive Director. Somehow, I landed that job, and I have had the ridiculous privilege of working with some of the most talented people on the planet these past 20 plus years. I was lucky, but I still remember the despair those many years ago, that after having given myself to the history of science, that there would be nothing to show for it (which would have offered some relief in that I would no longer have to explain to my mother what a historian of science actually does).

I wish that there had been a group to which I could have turned during those times and so was delighted when Tania Munz and Carin Berkowitz helped us launch HSS@Work in 2013, our caucus devoted to those who had fully embraced the history of science but who then faced the prospect of doing something outside of academia.

## NEWS FROM THE HSS, CONT.

After a successful initial run, HSS@Work is now at a crossroads. We have been unable to find individuals who are willing to lead the caucus and organize events at the annual meeting. If this disinterest continues, we will have to close the caucus, and that saddens me. So, if you believe that we still need HSS@Work, please volunteer your time to help it succeed. I can guarantee you that it will pay dividends to the HSS and to the profession. Please contact me at [jay@hssonline.org](mailto:jay@hssonline.org).

### FHHMLS/CUP Graduate Student Essay Award

The Forum for the History of Health, Medicine and Life Sciences and Cambridge University Press invite submissions for our inaugural Graduate Student Essay Award. The award will be given for the best original, unpublished essay in the history of health, medicine and the life sciences submitted to the competition as judged by the FHHMLS's assessment panel. This award advances the FHHMLS mission of encouraging scholarship that addresses conversations occurring across and between the histories of science, medicine, and technology broadly conceived. The author of the winning essay will receive 5 books of their choosing from the current book list of the Cambridge University Press.

#### Guidelines:

We welcome submission of unpublished manuscripts in English on any aspect of the history of health, medicine and life sciences written by students registered part-time or full-time in a graduate degree or completing their degree in 2019. Submissions should bridge the histories of science, medicine and/or technology.

Submissions should be no more than 10,000 words in length (inclusive of footnotes and all references). Entries should be accompanied by a one-page cover letter detailing how the research fosters new conversations between the histories of medicine, science and/or technology.

The deadline for submissions is 30 April 2019. Entries should be sent to [fhhmls.hss@gmail.com](mailto:fhhmls.hss@gmail.com). Please submit cover letters and essays as two separate files. The essay file should only include the title, with all author information removed.

The winning submission will be announced at the 2019 HSS meeting in Utrecht (23-27 July). Authors do not need to be members of HSS at the time of submission.

We are grateful to Cambridge University Press for their generous sponsorship of this prize.

FHHMLS Steering Committee:  
Elizabeth Neswald  
Robin Scheffler

Elaine Leong  
Jaipreet Viridi  
Heidi Morefield

### HSS 2018: Post-Meeting Survey Raffle Winners

After meeting in Seattle, the HSS asked for feedback in a post-meeting survey. Two respondents were randomly selected. Congratulations to William Vogel and Geoff Bil for winning American Express gift cards!

### IsisCB Survey on Digital Research in History of Science Raffle Winners

From a total of 526 respondents to the Survey on Digital Research in the History of Science, 252 entered the drawing for the raffle (146 HSS members and 106 non-members). Two winners were randomly drawn from both the member pool and the non-member pool. Congratulations to the winners on their gift cards or on their free year-long HSS membership!

- Kenneth Caneva (member)
- Gabriel Finkelstein (member)
- Scott Keir (non-member)
- Janusz Skoczylas (non-member)

## NEWS FROM THE PROFESSION

### Congratulations to the New Fellows from Section L

The following three scholars were elected to AAAS Fellowships from Section L (History and Philosophy of Science) and were recognized at the AAAS annual meeting this past February:

*Helen E. Longino, Stanford University*

For distinguished contributions to understanding the social structure of science and nature of objectivity and how different scientific approaches produce unique descriptive and causal knowledge.

*Jürgen Renn, Max Planck Institute for the History of Science (Germany)*

For distinguished contributions to the fields of history and philosophy of science, particularly the history of the physical sciences, and outstanding efforts to communicate science to a broad public.

*James Francis Woodward, University of Pittsburgh*

For distinguished contributions to understanding scientific reasoning, especially the characterization of causal inference and explanation in terms of identifying relations of invariance under intervention.

### O. Theodor Benfey Wins Chemical History Prize

The recipient of the 2019 HIST Award of the Division of the History of Chemistry of the American Chemical Society is Prof. Otto Theodor (Ted) Benfey, Emeritus Professor of Chemistry and History of Science, Guilford College, Greensboro NC, and a former editor at the Chemical Heritage Foundation (now Science History Institute).

The HIST Award is an international prize for outstanding achievements in the history of chemistry and is administered by the Division of the History of Chemistry (HIST) of the American Chemical Society.

Professor Benfey got his baptism into the history of science in 1949 during a Harvard Summer school on “Case Histories in Experimental Science” run by Harvard President James B. Conant. His first published paper on history of chemistry and chemical education was on (William) Prout’s Hypothesis in the *Journal of Chemical Education* in 1952. He has written seven books on chemistry and the history of chemistry, including *From Vital Force to Structural Formulas* (1964) and *The Names and Structures of Organic Compounds* (1966). He has also edited or co-edited six books on the history of chemistry and on chemical education, written 14

chapters (mostly on the history of chemistry) in monographs, and has published 89 articles and reviews in chemistry and the history of science.

In addition to his work as a historian, Ted Benfey was and continues to be a frequent editor. He was the editor of the ACS magazine *Chemistry* from 1963-1978. He also edited many books, including *Classics in the Theory of Chemical Combination* (1963) and *The Kekulé Centennial* (1966). And he served as Chair of the Division of the History of Chemistry of the ACS in 1966, now over 50 years ago.

The HIST Award consists of an engraved plaque and a check for \$1500 and will be presented to Professor Benfey at the fall national meeting of the American Chemical Society in San Diego in August 2019. Additional information about the award can be found on the HIST website at [http://acshist.scs.illinois.edu/awards/hist\\_award.php](http://acshist.scs.illinois.edu/awards/hist_award.php)

### CFP: *The Bulletin of the History of Archaeology*

*The Bulletin of the History of Archaeology (BHA)* is accepting submissions for publication in 2019. The journal publishes research not only on the histories of archaeology strictly defined, but also on the subject as it intersects with related histories like those of collecting, colonialism,

## NEWS FROM THE PROFESSION, CONT.

exploration, fieldwork, heritage, and museums. At the same time, *BHA* is particularly focused on building interdisciplinary collaborations, and publishes work that takes its methodological cues from fields including anthropology and historical anthropology, archaeology, art history, colonial and postcolonial studies, gender studies, global history, and the history, philosophy, and sociology of science.

The *BHA* is published online. Articles are made available Open Access as soon as they are ready. Research shows that Open Access publications are viewed and cited more often and for a longer period than publications in subscription journals. Some studies report three times more views and others 89% more downloads.

Authors remain the copyright holders and grant third parties the right to use, reproduce, and share the article according to the Creative Commons license agreement.

The *BHA* is indexed by the Web of Science (Emerging Sources Citation Index), the Norwegian Scientific Database, the European Reference Index for Humanities and Social Sciences (ERIH PLUS), Directory of Open Access Journals (DOAJ), EBSCOHost, Google Scholar, CrossRef, JISC KB+, and SHERPA RoMEO.

If your paper is accepted for publication, you will be asked to pay an Article Publication Charge (APC) of £300, which can normally be sourced from your funder or institution. APCs cover all publication costs and ensure that all of the content is fully Open Access.

We accept online submissions here. See Author Guidelines for further information. Alternatively, please contact the editors if you are unsure as to whether your research is suitable for submission to the journal.

### Model Organisms in the 20th Century: Historical, Philosophic and Scientific Questions

Two talks, delivered 19 Feb 2019 at the National Institutes of Health as part of the 9th NHGRI History of Genomics Program History of Molecular Biology and Genomics Lecture Series, have been published online. Listen to “[Capturing the influence of model organisms through large-scale integration of biology, literature, and scientific workforce](#)” by Thomas Stoeger and “[The Fly Room](#)” by William deJong-Lambert.

For further details on the talks or lecture series, contact William deJong-Lambert at [william.dejong-lambert@bcc.cuny.edu](mailto:william.dejong-lambert@bcc.cuny.edu), Thomas Stoeger

at [thomas.stoeger@northwestern.edu](mailto:thomas.stoeger@northwestern.edu), or Christopher Donahue at [christopher.donahue@nih.gov](mailto:christopher.donahue@nih.gov).

### HPS&ST March Note

The March HPS&ST Note is on the web here.

#### Contents

- Introduction
- International Congress on the History of Science in Education, May 30–June 1, 2019, Vila Real, Portugal
- 15th International History, Philosophy and Science Teaching Group (IHPST) Biennial Conference, Thessaloniki, July 15-19, 2019
- Springer Lecture at IHPST Thessaloniki Conference
- New Editor of *Science & Education* Journal
- Opinion Page: Beware the Greeks: Sources for the History of Gravity in Science Teaching, Thomas J.J. McCloughlin, Dublin City University, Ireland
- PhD Theses in HPS&ST Domain
- Recent HPS&ST Research Articles
- Recent HPS&ST Related Books
- Coming HPS&ST Related Conferences

## NEWS FROM THE PROFESSION, CONT.

### Cautery Device

Cauterization, first used in the 16th century, was a method of burning body parts, such as a blood vessels or open wounds to stop bleeding and close amputations. It was thought to prevent infection. In the modern era, doctors use electrocautery devices, which are not heated by fire but instead by an electric current. The unit is powered by a Tesla coil, which produces the high-frequency alternating current needed to make precise cuts and sterilize the area.

This 1930s medical instrument had a foot pedal that allowed a surgeon to stop and start the electric current. The actual knife would have been connected to the terminals on the front of the control unit.

Made in Los Angeles

Made of wood, wires, plastic, and metal, 1930-1940

[See more information here.](#)

Photo courtesy of [The Bakken Museum](#)



### Dissertation Abstracts 78-10 A and B

The latest batch of recent doctoral dissertations harvested from the issues 78-10 A and B of Dissertation Abstracts related to your subject area can be found at [JHMDiss78-10-4444](#) and [IsisDis78-10-4444-ONLY](#)

ProQuest has altered how they put out their individual issues. No longer do they correlate to one month, so the dating is more random. Thus titles will range from 2018—yes they have some 2018 dates—back into the early 1900s.

There is one additional aspect to point out about this latest batch of dissertations. ProQuest has begun adding numerous titles from many universities world-wide dating back into the early 1900s. Not all these earlier titles come with abstracts but should be available for downloading entire copies online.

### Two STS Master's Programs at TU Munich

The Munich Center for Technology in Society (MCTS) at TU Munich welcomes applications for its two full-time Master's programs: M.A. Science and Technology Studies and M.A. Responsibility in Science, Engineering, and Technology. Both programs are offered in English

and are free of tuition fees. The application period is from 1 Jan to 31 May 2019. Please consider submitting your application as early as possible to ensure smooth procedures (aptitude assessment, visa, travel, accommodation, etc.).

### Master of Arts: Science and Technology Studies (M.A. STS)

M.A. STS is a unique Master's program that puts the relations and interactions between science, technology, society and politics front and center. From bio-technology to energy transitions, from automated mobility to data security—the big challenges society is facing today are inseparably scientific, technical and social. In today's highly technologized societies, STS tackles questions such as: How can we understand scientific and technological change? How do science, technology and society influence and shape each other? Which inter- or transdisciplinary forms of knowledge production are necessary?

The program offers a research-oriented graduate education in the flourishing field of Science and Technology Studies for students interested in a comprehensive social science perspective on today's highly technologized societies. Students gain in-depth exposure to interdisciplinary approaches to urgent questions about the ever-changing interplay between science, technology and society. As a full-time study program, M.A. STS offers empirical research methods

## NEWS FROM THE PROFESSION, CONT.

and analytical skills to study the conditions and consequences of contemporary science and technology. In addition, the program offers specializations in the Philosophy of Science and Technology or the History of Science and Technology. STS graduates are able to work in a range of fields including academic research (such as a PhD program) as well as careers in science and technology policy, communication, journalism and management.

For more information, please visit this [website](#). If you have any questions, please email [reset@mcts.tum.de](mailto:reset@mcts.tum.de).

### Master of Arts: Responsibility in Science, Engineering, and Technology (M.A. RESET)

M.A. RESET is a unique Master's program that puts questions of responsibility front and center in our thinking about science, technology, and innovation. Responsibility has become a key concern in current discussions around governance, economic growth, sustainable development, and social progress—captured, for example, by the frameworks of Responsible Research and Innovation (RRI) or Corporate Social Responsibility (CSR). In an environment of increasing economic and political uncertainty, RESET takes serious challenges such as: How can we anticipate and govern the social, ethical or environmental impacts of scientific and

technological change? What is sustainable, reflexive or democratic innovation? Which inter- or transdisciplinary forms of knowledge production enable responsibility? How do notions of responsibility differ across regulatory, cultural and policy contexts? How should expert knowledge and technical possibilities shape democracies, markets and societies? Conversely, how can we democratize expertise and technology development?

The program offers a practice-oriented graduate education for students interested in both the technical and social aspects of responsibility in today's highly technologized societies. Supported by mentors, students gain in-depth exposure to areas of technical specialization in collaboration with science and engineering departments at TU Munich. The program draws its interdisciplinary strength and symmetry from a diverse student body—with backgrounds in science, technology, and engineering as well as social and life sciences, economics, and the humanities—and specifically targets students with previous work or research experience. While a full-time study program, RESET offers a flexible program structure to accommodate candidates seeking to combine graduate studies with part-time work, internships, or parallel studies/research in science and engineering. Graduates are able to work in a range of fields including government institutions,

international organizations, innovative firms (both established companies and start-ups), NGOs, think tanks, research and higher education management, consulting, or they can pursue a career in academia.

The RESET program is funded by the Elite Network of Bavaria which offers students a range of networking and support opportunities.

For more information, please visit this [website](#). If you have any questions, please email [reset@mcts.tum.de](mailto:reset@mcts.tum.de).

### New Issue: *Nazariyat Journal for the History of Islamic Philosophy and Sciences*

The new issue for *Nazariyat Journal for the History of Islamic Philosophy and Sciences* (4/3) has been released. [Articles and reviews can be reached through this link](#), as the journal is open-access.

#### Sample Articles and Reviews

- Is it Possible to Speak of an Illuminationist Circle in the Ottoman Scholarly World? An Analysis of the Ottoman Scholarly Conception of Illuminationism, Mustakim Arici

## NEWS FROM THE PROFESSION, CONT.

- Mental Existence Debates in the Post-Classical Period: A Study in the Context of the Essence and Category of Knowledge, Murat Kaş
- Like a Swiss Clockwork in the Desert: A Review of Moshe M. Pavlov's Books on Abū al-Barakāt al-Baghdādī, Pauline Froissart
- The World in a Book: Al-Nuwayri and the Islamic Encyclopedic Tradition, Elias Muhanna (by Duygu Yıldırım)
- Varlık ve Akıl: Aristoteles ve Fârâbî'de Burhân Teorisi [Being and Intellect: Demonstration Theory in Aristotle and al-Fârâbî], Ali Tekin (by Fatma Karaismail)
- Klasik İslam Düşüncesinde Atomculuk Eleştirileri [Criticisms of Atomism in Classical Islamic Thought], Mehmet Bulğen (by Zeynep Şeker)

## Agricultural History Society Turns 100

14 February 2019 marked the 100th anniversary of the Agricultural History Society. The Society was founded in Washington, DC “to promote the interest, study and research in the history of agriculture.” The Society interprets this mission broadly, as creating a conversation about the key political, economic, environmental, and social issues surrounding agriculture without

geographic, temporal, or methodological constraints. The AHS strives to build a discourse that cuts across historical sub-disciplines and draws in insights from the full range of social, biological, and environmental sciences. The Society will officially celebrate its 100th at its meeting in Washington, DC 5-8 June. [Further information can be found here.](#)

## Journal of Energy History: Now Online

The *Journal of Energy History / Revue d'histoire de l'énergie (JEHRHE)* is a new online and open access academic journal dedicated to all aspects of energy history. Informed by scholarship in the field to date, we aim to cultivate and advance an ambitious, creative space for scholarly conversation and dissemination. Please join us—submit, read, teach, and share cutting-edge ideas in different sections ([Special Issues](#), [Varia](#), [Reviews](#), and more) and through original formats ([Out of the Box Dialogue](#) across disciplines and professions, [Panorama](#), [Sources](#)) in either English or French. With *JEHRHE*, we intend to enrich our understanding and vision of energy history, because we believe that historians can fuel thinking about the present and future.

The Managing Editor of the journal is Leonard Laborie.



## Plan Ahead Future HSS Meetings



**2019**

Utrecht, The Netherlands:  
23 July (Tues) to 27 July (Sat)



**2020**

New Orleans, LA:  
7-11 October  
Co-located meeting with SHOT



**2021**

Mérida, Mexico:  
November (dates to be determined)  
Co-located meeting with SHOT

## NEWS FROM THE PROFESSION, CONT.

### Casebooks Final Release

#### Casebooks Project—Release 13

Simon Forman's and Richard Napier's  
Casebooks

The work of the Casebooks Project is complete. All 80,000 cases recorded by Simon Forman, Richard Napier, and their associates between 1596 and 1634, with some stray cases either side, can now be browsed and searched. Our new website has an improved interface and additional pages about the astrologers, their patients, their practices, the project, and how to use these records.

The main casebooks website contains the digital edition and critical introduction, but one website was not enough. [Our dataset is on GitHub.](#) [Digital facsimiles of all sixty-six volumes are accessible through Cambridge Digital Library.](#)

To showcase the contents of full cases—the scope of the project did not extend to transcribing the judgments—we have prepared [five hundred fully-transcribed cases and a selective index of interesting things](#) from across the corpus. For daily cases drawn from these collections, [follow us on twitter @hpscbooks](#). For news about Astrologaster, the computer game inspired by Forman's casebooks (drawing on our historical expertise but made by game developers) follow [@doctorforman](#).

The Casebooks Project is an immensely skilled and dedicated team of scholars: Michael Hawkins (Technical Director), Robert Ralley (Senior Editor), John Young (Senior Editor), Joanne Edge (Assistant Editor), Janet Yvonne Martin-Portugues (Assistant Editor), and Natalie Kaoukji (Research Fellow).

[Visit Casebook Project website](#) for a history of the project, and a long list of acknowledgements that begins with staff at the Wellcome Trust, our generous funders, and the Bodleian Library, which owns the manuscripts.

### The New-York Historical Society Announces a Newly Digitized Collection of Unique Maps

The New-York Historical Society is pleased to announce that 89 maps created for the Tenement House Exhibition of 1900 are [now available digitally through the Society's website here](#).

The maps, hand-drawn and hand-colored, were created in 1899 under the leadership of Lawrence Veiller in conjunction with the Charity Organization Society of New York for display at the Tenement House Exhibition, held in Manhattan in February 1900. They depict neighborhoods throughout Manhattan,

from the Battery to Harlem, in two series: “Strong-holds of poverty” and “Prevalence of disease.” Colored dots on the first series indicate the number of families requesting charitable assistance. On the second series, the dots represent instances of tuberculosis, typhoid fever, scarlet fever, and diphtheria. On both series, the population of each block is stamped at its center.

In donating the 89 maps to the New-York Historical Society in 1920, Veiller wrote, “I hope that it may be possible to display these at some time so that they may be available for persons who may wish to study them and refer to them in future years.”

Thanks to the N-YHS digitization program, these maps will now reach an audience far broader than Veiller could have imagined.

For more information about this project, please contact Nina Nazionale, Director of Library Operations and Curator of Printed Collections at [nnazionale@nyhistory.org](mailto:nnazionale@nyhistory.org).

### Ensia—News on the Environment

Ensia is a solutions-focused nonprofit media outlet reporting on environmental change and is supported in part by the University of Minnesota's

## NEWS FROM THE PROFESSION, CONT.

Institute on the Environment. Interested individuals can [subscribe to Ensia's weekly newsletter with links to new content here](#).

In addition, Ensia is glad to consider submissions for the **Voices** (opinion) section and to take suggestions for future reported stories through **Ensia Answers**. They recognize the important contributions that historians can make in helping readers understand our present and forge a better future.

For further information, contact Mary Hoff,  
Editor in Chief | [Ensia](#)  
612.625.3516  
[@mkhoff @ensiamedia](#)

### Pilot Program in the History of Science, American Philosophical Society Library

The APS Library is pleased to announce a one-year pilot program in the History of Science. The program encourages scholars to make greater use of the Library's holdings in the history of science, technology, and medicine through new fellowships, and to share their discoveries with the wider world through seminars, conferences, publications and other events.

As part of this program, in Fall 2019 the Library will launch three one-year predoctoral and sabbatical fellowships for scholars working on projects in the history of science, technology, and medicine. Each fellow will receive a stipend and work space at the APS, where they will join a rich intellectual community of staff and other fellows-in-residence. Fellows also will be affiliated with the Philadelphia-based **Consortium for History of Science, Technology, and Medicine**.

The history of science will be prominent in the Library's upcoming programming in 2019-2020. For example, in January, prize-winning author Nick Bunker will share accounts of Benjamin Franklin's early scientific experiments in a public lecture on his book, *Young Benjamin Franklin: The Birth of Ingenuity*. On 6-5 June 2019, the APS will host a symposium on "Networks: The Creation and Circulation of Knowledge from Franklin to Facebook." The event is inspired by the Society's recent digitization of Benjamin Franklin's postal records and by its involvement in "The Cybernetics Thought Collective: A History of Science and Technology Portal Project." In the fall, the Library will hold an interdisciplinary conference exploring the power and politics of maps and borders in shaping the Early Republic. The Library will also host a history of science lunchtime seminar on the second Tuesday of the month.

The program is based upon the Library's extensive holdings in the history of science. Well over half of the approximately 13 million pages of manuscript and archival material at the APS, is in the history of science. These materials run the gamut from A to Z—from astronomy to zoology—and are particularly strong in genetics, evolutionary biology, and the life sciences. Other notable collections document the history of science in early America, eighteenth- and nineteenth-century natural history, physics and mathematics, and the early history of computing. The Library has the papers and correspondence of notable early scientific figures including Benjamin Franklin, William Bartram, and Charles Willson Peale, as well as those of seven Nobel Laureates, such as the Philadelphia-based Baruch Blumberg and the pioneering geneticist Barbara McClintock. It contains the largest holding of Charles Darwin manuscripts outside of England and among the largest collection of works by Darwin in the world. More recently, many historians of science have also given their papers to the APS.

For further information about the program and to learn more about the Library's history of science collections, please [visit our website here](#).

Additional questions and contact regarding this program may be directed to Adrianna Link, Head of Scholarly Programs at [alink@amphilsoc.org](mailto:alink@amphilsoc.org) or at 215-440-3415.

## NEWS FROM THE PROFESSION, CONT.

### ***Circumscribere Journal*— Center Simão Mathias for Studies in History of Science, São Paulo**

*Circumscribere* is an international online open-access peer-reviewed journal edited by Center Simão Mathias for Studies in the History of Science since 2006. It appears biannually and carries academic articles on the history of science, technology, and medicine. Searching to reach the international community of researchers in our area, *Circumscribere Journal* is published in a multilingual format.

The link to the journal is [here](#).  
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For further information, contact: Luciana Costa Lima Thomaz, Executive Editor, [circumscriberejournal@gmail.com](mailto:circumscriberejournal@gmail.com)

### **CFP: New Health & Medical Humanities List**

**Emerald Publishing** (2018 IPG Academic & Professional Publisher of the Year) is pleased to announce investment in a new Humanities book program. Our commitment to interdisciplinary

research means that we are moving into the Humanities for the first time, building new lists primarily in three exciting and increasingly important areas:

- Health and Medical Humanities—the list will take a broad approach to include research which links the arts and humanities with health and social care, the application of arts and humanities to the education and training of medical professionals and practitioners, the history of medicine, narrative medicine, literature and medicine, philosophy of medicine, graphic medicine and bioethics (amongst other areas).
- Digital Humanities and Digital Cultures—research that explores the intersection of humanities and scholarly communication with new digital tools, technologies and methods
- Environmental Humanities—including environmental literature, ecocriticism, environmental history, environmental philosophy and environmental anthropology

We are developing new book series in each of these areas and actively commissioning stand-alone book projects (covering research monographs and edited collections, short-form **Emerald Points** books, and reference works such as handbooks and encyclopaedias).

Our Humanities lists will champion quality scholarship, fresh thinking and new approaches, which have the potential to shape research and practice beyond the academy.

Please do get in touch with our Humanities Publisher (Ben Doyle) at [bdoyle@emeraldgroup.com](mailto:bdoyle@emeraldgroup.com) if you have a book or series idea you'd like discuss.

### **EASTM: New Issue #48 Published**

The latest issue #48 of the *Journal of EAST ASIAN SCIENCE TECHNOLOGY AND MEDICINE*, featuring a Focus on “Swarms, Herds, and Peoples — Examinations of Interspecies Dynamics in China,” is available online at [www.eastm.org](http://www.eastm.org).

#### **Sample Table of Contents**

- Note from the Editor by Catherine Jami
- Focus Introduction by David A. Bello and C. Michele Thompson
- “Hacking the Yak: The Chinese Effort to Improve a Tibetan Animal in the Early Twentieth Century” by Mark E. Frank
- “The Use of Pain in Childbirth Recorded in Chinese Medical Works” by Margaret Wee Siang Ng

## NEWS FROM THE PROFESSION, CONT.

### Joy Connolly Appointed President of the American Council of Learned Societies

The Board of Directors of the American Council of Learned Societies has named Joy Connolly as the Council's 12th President, succeeding Pauline Yu, who will be retiring in June 2019 after 16 years as president. The appointment is effective July 1, 2019.

Connolly currently serves as Interim President and Distinguished Professor of Classics at The Graduate Center, The City University of New York (CUNY). She has served as Provost and Senior Vice President of The Graduate Center and as Dean for the Humanities at New York University. An eminent scholar of Greek and Roman literature and political thought, she also studies their transformation in the modern era. At CUNY, Connolly has emphasized The Graduate Center's commitment to innovative education and the pursuit and circulation of knowledge for the public good.

"In choosing the president to lead ACLS into its second century, we sought a scholar and leader who would speak to how the humanities matter urgently for humanity, linking our past with the present, guiding us toward our shared future," said William C. Kirby, chair of the ACLS Board

of Directors. "In Joy Connolly, we have found not only a scholar of the first rank who has led important institutions of higher learning but also someone—to use her words—'who grasps the complex processes involved in making the judgments we make as citizens.' Her passion for the wide and deep centrality of understanding our cultures, our languages, our norms, and our mores is evident in her active life as a teacher and as a leader."

Nicola Courtright, vice chair of the ACLS board, added, "Joy Connolly, who cares deeply about people engaged in learning from every background and station in life, brings the rich capacity of the humanities to bear upon vital educational issues of our time." The Presidential Search Committee was co-chaired by Kirby and Courtright and included ACLS Directors James Grossman, Michele Moody-Adams, Carl Pforzheimer, Elaine Sisman, and ACLS Grants Officer and Budget Analyst Kelly Buttermore. Shelly Storbeck of Storbeck/Pimentel & Associates, LP assisted in the search.

Connolly has brought The Graduate Center to the forefront of innovation in graduate education through a number of initiatives. Earlier this year, she secured \$2.27 million from The Andrew W. Mellon Foundation to transform doctoral education. One of the projects the grant is funding is an ambitious PublicsLab, which

will coordinate and amplify the public-facing scholarship of GC students and faculty. She has served on the board of an ACLS member society (the Society for Classical Studies) as well on the board of *The Journal of the History of Ideas*.

"Research in the humanities and social sciences," noted Connolly, "sustains the knowledge and capacities necessary to maintain a robust and ever more inclusive democracy. I am honored and thrilled at the prospect of leading the American Council of Learned Societies, which supports outstanding work in these fields. Building on Pauline Yu's success, I look forward to advancing ACLS's mission to advocate for the value of research among diverse publics, to make more resources available to scholars, and to work with ACLS's over 70 member organizations on the complex challenges that face us today as scholars, teachers, and citizens."

"It's been an unbelievable privilege for me to be able to work with our superb staff and valuable partners over the past many years," noted Pauline Yu, president of ACLS for 16 years, "and I'm thrilled to welcome Joy to the presidency. She's an accomplished scholar with an already impressive record of leadership. She's deeply committed to our mission of advancing humanistic studies and possesses the energy, open mind, and creativity necessary to confront what lies ahead. She's the perfect choice to take ACLS into its next century."

## NEWS FROM THE PROFESSION, CONT.

“ACLS plays a central role in advancing the humanities in America, with its deep relationships with scholarly societies and its extraordinary network of scholars that support the Council’s work, in the academy and beyond university walls,” noted Mariet Westermann, Executive Vice President of Program and Research at The Andrew W. Mellon Foundation, “With great admiration for Joy’s vision and determination, in her previous positions we have supported her efforts to connect humanistic scholarship with contemporary societal challenges, and her advocacy of partnerships between community colleges and universities that expand access to liberal arts education. We are simply delighted that we will be able to continue to work with her as she leads ACLS into its second century.”

James J. O’Donnell, University Librarian and Arizona State University and former chair of the ACLS board noted, “Joy Connolly has shown that the best scholarship can be the foundation for engaged, inclusive, and passionate leadership. With her at the helm, ACLS will further broaden and strengthen its support for scholars while making scholars’ contributions heard and seen in the critical debates of our time.”

Connolly earned an AB (magna cum laude) from Princeton University and a PhD from the University of Pennsylvania’s Department of

Classical Studies. After serving as an assistant professor of classics at the University of Washington in Seattle and at Stanford University, she joined the classics department at New York University, where she reached the rank of full professor. At NYU, she served as director of the College Core Curriculum, a comprehensive arts and sciences program required for most NYU undergraduates, and then as dean for humanities, where she oversaw nearly 400 faculty members in over 30 departments and research institutes.

A holder of fellowships at the Center for Human Values at Princeton and the Netherlands Institute of Advanced Study, Connolly is the author or editor of three books, over 30 articles, and nearly 40 book reviews. She serves on multiple editorial boards, including *The Journal for the History of Ideas*, and she has written for *The New York Times Book Review*, *The Village Voice*, *The Times Literary Supplement*, *The Chronicle of Higher Education*, *Bookforum* and *The Nation*.

Kirby, expressed the Council’s profound appreciation for Pauline Yu’s 16 years of service: “During Pauline’s tenure, ACLS more than doubled the number of research fellowships it awards, tripled the dollar value of awards to scholars, and increased its endowment by 110 percent. Under Pauline’s leadership, ACLS initiated programs that reach scholars around the world and across the realms of academic

disciplines, deepened the public’s engagement with scholarship, and established directions for its next century of service to the academy and society. The ACLS board thanks her on behalf of the constellation of scholars, teachers, and—not the least—students who have benefited from her passion to champion and support innovation and scholarship in the humanities.”

### About ACLS

Formed a century ago, ACLS is a nonprofit federation of 75 scholarly organizations. As the preeminent representative of American scholarship in the humanities and related social sciences, ACLS holds a core belief that knowledge is a public good. As such, ACLS strives to promote the circulation of humanistic knowledge throughout society. In addition to stewarding and representing its member organizations, ACLS employs its \$140 million endowment and \$35 million annual operating budget to support scholarship in the humanities and social sciences and to advocate for the centrality of the humanities in the modern world.

# THE SOCIETY: DONORS TO THE HISTORY OF SCIENCE SOCIETY 2018

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