

Joanna Behrman

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Professional Positions:

Dec. 2024-Present	Post-Doc Researcher	University of Copenhagen
August 2024-Dec. 2024	Adjunct Assistant Professor	University of Texas Arlington
March-Oct. 2024	Visiting Research Fellow	Stanley Heinze Lab, Lund University
July 2020-Dec. 2023	Assistant Public Historian	American Institute of Physics (AIP)
Jan.-July 2020	NASA Heliophysics Oral History Graduate Fellow	AIP
2014-July 2020	Graduate Student and Ph.D. Candidate	Johns Hopkins University
2015	Graduate Research Fellow	AIP

Education:

2020	Ph.D. in the History of Science and Technology,	Johns Hopkins University
2014	M.A. in Social Sciences,	University of Chicago
2013	B.A. in Physics, Cum Laude with High Honors,	Harvard University

Research Publications:

In progress: Book Manuscript entitled *A New History of American Women in Physics*. Under contract at the University of Pittsburgh Press.

In Progress: “Diversity in Science and the History of Science” Feb 2024-Feb 2027 Participant in an international working group led by Climério Paulo da Silva Neto which will produce multiple workshops and collective volumes. Funded by a grant from the Brazilian National Council for Scientific and Technological Development (CNPq).

In progress: Oxford Research Encyclopedia entry on “Female Scientists in the History of Physics.”

*In press: Contributed chapter in *Spaces of Inquiry*—an edited volume on different locations of knowledge production. Editors Scott Knowles, Bruce Hunt, Amy Bix, Penelope Hardy. My contribution is a case study of a summer research school for college women.*

Forthcoming: Sections of the history of the Johns Hopkins University Physics Department, including Chapter 1 “Building a Department,” Chapter 2 “Gaining Momentum,” and biographies of Henry Rowland and Robert W. Wood. Christine Wenc, ed. [Reviewed by Ann Finkbeiner]

Behrman, J. (2025). The Charm School: A summer research opportunity for women before REUs. *Physics Today*, 78(8), 34–41. Peer reviewed. <https://doi.org/10.1063/pt.vzvxnmbv>

Behrman, J. (2023). Sarah Frances Whiting, pioneer of laboratory instruction in astronomy. *American Journal of Physics*, 91(6), 417–424. Peer reviewed. <https://doi.org/10.1119/5.0131617>
Featured cover article.

Behrman, J. (2022). Physics ... is for girls? *Physics Today*, 75(8), 30–36. Peer reviewed.

<https://doi.org/10.1063/PT.3.5061>

Featured cover article.

Winner of the Gold Medal for Journals: Feature Article at the [2023 SIIA \(Software & Information Industry Association\) EXCEL Awards](#).

Behrman, J. (2020). Manuals, Handbooks, and Recipes. In A. Hessenbruch, J. D. Martin, & C. C. M. Mody (Eds.), *Between Making And Knowing: Tools In The History Of Materials Research* (pp. 73–82). World Scientific Publishing Company. https://doi.org/10.1142/9789811207631_0008

Behrman, J. (2020). The Personal is Professional: Margaret Maltby's Life in Physics. In C. Forstner, D. Hoffman, & M. Walker (Eds.), *Biographies in the History of Physics: Actors, Objects, Institutions* (pp. 37–57). Springer International Publishing. https://doi.org/10.1007/978-3-030-48509-2_3

Behrman, J. (2018). Domesticating physics. *Physics Today*, 71(5), 50–56. Peer reviewed.

<https://doi.org/10.1063/PT.3.3922>

Featured cover article.

Republished in Parity (Maruzen Publishing Co.) March 2019. Translated by Akimori Hosoi.
Republished in Physics Bimonthly (a publication of the Physics Society of Taiwan). March 2019. Translated by Chang Yunhui.

Behrman, J. (2017). Domesticating physics: Introductory physics textbooks for women in home economics in the United States, 1914–1955. *History of Education*, 46(2), 193–209.

<https://doi.org/10.1080/0046760X.2016.1273404>

Republished in Behrman, J. (2020). Domesticating physics: Introductory physics textbooks for women in home economics in the United States, 1914–1955. In H. Ellis (Ed.), *Science, technologies and material culture in the history of education* (1st ed., pp. 51–67). Routledge.

Behrman, E. C., Bonde, R. E. F., Steck, J. E., & Behrman, J. F. (2014). On the Correction of Anomalous Phase Oscillation in Entanglement Witnesses Using Quantum Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, 25(9), 1696–1703. Peer reviewed.

<https://doi.org/10.1109/TNNLS.2013.2281938>

Outreach Writing:

Active Wikipedia editor under the username *Physhist*.

Over 900 edits, mostly on biographies of historical scientists. Nine new Wikipedia biographies created. A full list of contributions can be found at:

<https://en.wikipedia.org/wiki/Special:Contributions/Physhist>

Behrman, J., Bloemer, J., Charbonneau, R., & Da Silva Neto, C. P. (2025). Crossing Borders and Fostering Collaborations. *Berichte Zur Wissenschaftsgeschichte*, 48(1–2), 6–10.

<https://doi.org/10.1002/bewi.2144>

Behrman, J., Cohadon, P.-F., Passante, G., Schumayer, D., & Parks, B. (2025). In this issue: January 2025. *American Journal of Physics*, 93(1), 5–6. <https://doi.org/10.1119/5.0251764>

Behrman, J., Essick, J., Gould, H., Marrache-Kikuchi, C. A., Parks, B., Cameron Reed, B., Tobochnik, J., & Zengel, K. (2025). In this issue: February 2025. *American Journal of Physics*, 93(2), 125–126.

<https://doi.org/10.1119/5.0254806>

- Behrman, J. (2024). A Decade of Creating Science History Teaching Guides. *The SPS Observer*, 58(1), 12–13. <https://students.aip.org/observer/a-decade-of-creating-science-history-teaching-guides>
- Behrman, J. (2024, January 9). SPS Interns—Where are the now? Part 1 [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/sps-interns-where-are-they-now-part-1>
- Behrman, J. (2024, March 22). SPS Interns—Where are the now? Part 2 [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/sps-interns-where-are-they-now-part-2>
- Behrman, J. (2023). Helleman Fellow Michiel Bron Explores the History of Energy. *AIP History Newsletter*, 55(1), 9–11. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-1-2023>
- Behrman, J. (2023). History Comes to Physcon. *AIP History Newsletter*, 55(1), 24–26. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-1-2023>
- Behrman, J. (2023). Interview with Science Writer Kenna Hughes-Castleberry. *AIP History Newsletter*, 55(2), 18–20. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-2-2023>
- Behrman, J. (2023). Nineteenth-century women and physics across the pond. *Physics Today*, 76(9), 11–12. <https://doi.org/10.1063/PT.3.5301>
- Behrman, J. (2023). Ten Years of Teaching Guides and the SPS Interns Who Made Them. *AIP History Newsletter*, 55(2), 4–6. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-2-2023>
- Behrman, J. (2023). The Early Career Conference That Almost Wasn't—And Then Was. *AIP History Newsletter*, 55(2), 21–23. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-2-2023>
- Mona, C., & Behrman, J. (2023). Featured OHI: Mario Amzel. *AIP History Newsletter*, 55(1), 14–17. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-55-no-1-2023>
- Behrman, J. (2023, January 6). Tea, Earl Grey, Hot: January Photos of the Month [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/tea-earl-grey-hot>
- Behrman, J. (2023, February 16). A History Mystery: Adventures Identifying People in a Photograph [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/a-history-mystery-adventures-identifying-people-in-a-photograph>
- Behrman, J. (2023, November 21). Birthstones According to the History of Science [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/birthstones-according-to-the-history-of-science>
- Behrman, J. (2022). Learning about the early history of astronomy through Phystory. *The Physics Teacher*, 60(6), 524–525. <https://doi.org/10.1119/5.0115743>
- Behrman, J. (2022). The Black Scientific Renaissance of the 1970s–90s: The Legacy of African American Scientists at Bell Laboratories. *Black History Bulletin*, 85(2), 9–11. <https://doi.org/10.1353/bhb.2022.0014>

- Mona, C., & Behrman, J. (2022). Featured Oral History: George Carruthers. *AIP History Newsletter*, 54(2), 22–24. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-54-no-2-2022>
- Piccone, A., & Behrman, J. (2022). Tales of the Nobel Prize announcement. *Physics Today*, 2022(09), 30725. <https://doi.org/10.1063/pt.6.4.20220923a>
- Behrman, J. (2022, April 27). Pipes, Poems, and Physics: The Life of R. W. Wood [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/pipes-poems-and-physics>
- Behrman, J. (2022, November 10). World War I: November Photos of the Month [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/world-war-i>
- Behrman, J. (2021). Featured Oral History Interview—Benjamin Peery, Jr. *AIP History Newsletter*, 53(2), 8–10. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-53-no-2-2021>
- Behrman, J. (2021). Inaugural Helleman Fellows Selected. *AIP History Newsletter*, 53(2), 24–25. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-53-no-2-2021>
- McGuire, S., & Behrman, J. (2021). Featured Oral History. *AIP History Newsletter*, 53(1), 8–10. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-53-no-1-2021>
- Behrman, J. (2021, March 10). Book or Movie? Reviewing Book & Movie Pairs for Women’s History Month [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/book-or-movie>
- Behrman, J. (2021, April 13). Optimism and Other Poems: A Deep Dive into an NBLA Acquisition [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/optimism-and-other-poems>
- Behrman, J. (2021, September 14). Photos of the Month: Back to School [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/potm-back-to-school>
- Behrman, J. (2021, November 19). New Web Exhibit on the Research Vessel Vema [Official Website of the International Commission of the History of Oceanography]. *History of Oceanography*. <https://oceansciencehistory.com/2021/11/19/new-web-exhibit-on-the-research-vessel-vema/>
- Behrman, J. (2021, December 10). Photos of the Month: The USNS Kane [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*. <https://www.aip.org/library/photos-of-the-month-the-usns-kane>
- Behrman, J. (2020). Optimism and Other Physicists: Notes from the Niels Bohr Library. *AIP History Newsletter*, 52(1), 8–9. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-52-no-1-2020>
- Behrman, J. (2020). Welcome Message from the Assistant Public Historian. *AIP History Newsletter*, 52(2), 10–11. American Institute of Physics. <https://repository.aip.org/aip-history-newsletter-vol-52-no-2-2020>

Behrman, J. (2020, July 10). Remembering the Trinity Test, Seventy-Five Years Later [Blog of the Niels Bohr Library & Archives, American Institute of Physics]. *Ex Libris Universum*.
<https://www.aip.org/library/remembering-the-trinity-test-seventy-five-years-later>

Book Reviews:

Behrman, J. (2025). Science in Times of Danger [Book Review of Olivia Campbell. "Sisters in Science: How Four Women Physicists Escaped Nazi Germany and Made Scientific History. (Park Row, 2024.)]. *American Scientist*, 113(2), 120. <https://doi.org/10.1511/2025.113.2.120>

Behrman, J. (2023). A survey of women in astronomy [Book Review of Virginia Trimble and David A. Weintraub, eds. *The Sky is for Everyone: Women Astronomers in their own Words*. (Princeton University Press, 2022.)]. *Physics Today*, 76(1), 52–53. <https://doi.org/10.1063/PT.3.5160>

Behrman, J. (2023, April). Book Review of Dresvina, Juliana, ed., *Thanks for Typing: Remembering Forgotten Women in History*. *H-Sci-Med-Tech, H-Net Reviews*. <https://www.h-net.org/reviews/showrev.php?id=57986>

Behrman, J. (2021). Book Review of Donovan Moore. *What Stars Are Made Of: The Life of Cecilia Payne-Gaposchkin*. Cambridge, MA: Harvard University Press, 2020. 320 pp. *History of Education Quarterly*, 61(1), 106–108. <https://doi.org/10.1017/heq.2020.69>

Behrman, J. (2021). Portrait of a groundbreaking astronomer [Book Review of Jacqueline Mitton and Simon Mitton. *Vera Rubin: A Life*. (Harvard University Press, 2021)]. *Science*, 371(6531), 788–788. <https://doi.org/10.1126/science.abg1818>

Recent Presentations:

Silva, I., Behrman, J., & Rosa, K. (2025, August 9). *Celebrating diversity in the history of the physical sciences* [Invited - Roundtable]. The Sixth Early-Career Conference for Historians of the Physical Sciences, Salvador, Brazil.

Behrman, J. (2025, August 7). *From Passion to Profession – Studying Women in the History of Physics* [Invited - IUPAP Early Career Prize talk]. The Sixth Early-Career Conference for Historians of the Physical Sciences, Salvador, Brazil.

Behrman, J., & Traxler, A. (2025, July 2). *A network study using historical data to assess the production of women in physics by women's colleges* [Contributed]. GIREP, Leiden, the Netherlands.

Behrman, J. (2024, March 15). *The Public and Private Worlds of a Female Physicist* [Invited - Public Lecture]. Pint of Science Festival, Lund, Sweden.

Behrman, J. (2023, December 4). *Teaching a Diverse History of Physics* [Invited]. P/A SEA Change, Virtual. <https://www.youtube.com/watch?v=CMevAZ7pO3E>

Behrman, J. (2023, January 24). *More than Marie Curie: Centering Women in the History of Physics* [Invited]. University of Richmond, Departments of Physics, Education, History, and the Women Gender and Sexuality Studies Program, Richmond, Virginia, United States. <https://www.thecollegianur.com/article/2023/01/women-in-physics-take-center-stage-at-ur>

- Behrman, J. (2022, December 5). *When Physics Was a Girl's Subject* [Invited]. American Physical Society Editors' Colloquium, Virtual.
- Behrman, J., & Phillips, J. (2022, July 13). *History: The Good, the Bad, and the Ugly* [Invited - Roundtable]. Dine N Discuss, Physics Education Research Conference, Virtual.
- Behrman, J. (2022, April 11). *Ladies in the Laboratory: A Brief History of U.S. Women in Science* [Invited - Public Lecture]. Science on Tap, Philadelphia, Virtual. https://youtu.be/OTGCHehA3_E
- Behrman, J. (2022, April 8). *Selling Physics Education to Women in the Early Twentieth Century* [Invited]. Clemson University, Department of Engineering and Science Education, Virtual.
- Behrman, J. (2022, March 16). *History of Physics at Women's Colleges* [Invited]. American Physical Society March Meeting, Chicago, United States.
- Behrman, J. (2022, February 14). *When Physics was a Girl's Subject* [Invited]. San Francisco State University, Department of Physics & Astronomy, Virtual.
- Behrman, J., & Phillips, J. (2022, January 27). *Open Discussion on James Webb Space Telescope* [Invited - Roundtable]. American Association of Physics Teachers Webinar, Virtual.
- Behrman, J. (2022, January 7). *Teaching a Diverse History of Physics* [Invited]. American Association of Physics Teachers Winter Meeting, Virtual.
- Behrman, J. (2021, August 2). *Importance of the Islamic Golden Age for Physics and Astronomy* [Invited]. American Association of Physics Teachers Summer Meeting, Virtual.
- Behrman, J., Ben-Barak, I., Frederick-Frost, K., Green, P., & Horrocks, A. (2021, February 24). *Careers in Public History* [Invited - Roundtable]. Virtual #HSTM, Virtual.
- Behrman, J. (2020, November 10). *Thinking Through Things: Physics Education, Occupations, and Materiality at Wellesley College* [Contributed]. Developments in Physics Teaching & Learning in Higher Education During Last 100 Years Conference. Institute of Physics, Virtual.
- Behrman, J. (2020, October 22). *Thinking Through Things: Physics Education, Occupations, and Materiality at Wellesley College* [Contributed]. Pedagogy, Popularization, and the Public Understanding of Science Conference, Science History Institute, Virtual.
- Behrman, J., Phillips, J., Hearty, R., Thompson, S., Zierler, D., Caruso, D., & Harper, K. (2020, October 20). *Oral Histories of Science and the AIP/NASA Heliophysics Oral History Project* [Contributed - Roundtable]. Oral History Association Annual Meeting, Virtual.
- Behrman, J. (2019, March 25). *Bridging Physics and the Household: Madalyn Avery's Career at K-State* [Invited - The 2019 Ernest Fox Nichols Distinguished Alumni Lecture]. Kansas State University, Department of Physics, Manhattan, Kansas, United States. <https://www.phys.ksu.edu/alumni/nichols/2019/index.html>

Teaching:

*All courses taught at Johns Hopkins University unless otherwise noted.

Instructor of Record:

Technology and Science in American Society, I – University of Texas Arlington *Fall 2024*

Ladies in the Laboratory: Science and Gender in U.S. History	<i>Fall 2019</i>
Teaching Assistant:	
Freshman Seminar: Campus Life, Now and Then	<i>Spring 2018</i>
History of Science: Antiquity to Renaissance	<i>Fall 2017</i>
Freshman Seminar: History of Johns Hopkins Medicine	<i>Spring 2017</i>
Science and Technology in Slave Regimes	<i>Fall 2016</i>
Rise of Modern Science	<i>Spring 2016</i>
Scientific Revolution	<i>Fall 2015</i>
Physics for Scientists I – Wichita State University	<i>Summer 2010</i>

Selected Service:

Reviewed articles for *Physics Today*, *Isis*, *The Physics Teacher*, *Nordic Journal of Education History*, *Technology and Culture*, *Education Sciences*, *Metrics*, etc.

Session organizer, chair, and commentator at various conferences.

Guest Editor of the 2025 Special Issue of the *Berichte zur Wissenschaftsgeschichte/History of Science and Humanities* celebrating contributions by early career scholars

Guest Editor for the 2025 Special Issue of the *American Journal of Physics* celebrating the International Year of Quantum Science and Technology

Early Career Member-at-Large for the American Physical Society Forum on History and Philosophy of Physics. April 2023 – Present. Service on the Program Committee, the Quantum Century Committee, and the Nominations Committee.

Editor of the *AIP History Newsletter* July 2020 – December 2023.

Member of conference committee for the 2023 American Institute of Physics Early Career Conference in Copenhagen, Denmark.

AAPT History and Philosophy of Physics committee – three year term, Jan 2019 – Jan. 2022
Vice Chair of Committee 2019, Chair of Committee 2020

Member of conference committee and session chair for the 2018 American Institute of Physics Early Career Conference in San Sebastian, Spain.

Honors, Grants, and Fellowships:

2024 Early Career Prize in the History of Physics, International Union of Pure and Applied Physics Inter-Union Commission for the History and Philosophy of Physics

Named postdoc on DFF-Forskningsprojekt1: “NETMAP: Expanding borders of network analysis in physics education and history” 1 December 2024-30 November 2027

Winner of the Gold Medal for Journals: Feature Article at the 2023 SIIA (Software & Information Industry Association) EXCEL Awards

Early Career Workshop at the Center for Women’s History, New York Historical Society 2021-2022

Graduate Oral History Research Fellow at the American Institute of Physics. Worked on NASA Heliophysics Oral History Project, January 2020-July 2020.

Graduate Fellow, Center for Medical Humanities and Social Medicine, Johns Hopkins University 2019-2020

Dean’s Teaching Fellowship, Johns Hopkins University

Semifinalist, National Academy of Education Doctoral Fellowship

Research Fellow, 2017-2018, with the Consortium for the History of Science, Technology, and Medicine

Grants-in-aid from the Friends of the Center for History of Physics, American Institute of Physics
Chemical Heritage Foundation (now the Science History Institute) – Travel Grant
Owen Fellowship, Johns Hopkins University
Pforzheimer Student Fellowship, Radcliffe Institute of Advanced Study
Harvard College Research Program Fellowship (Kersten Fund)
Kupciner-Getz International Science School Fellowship, Weizmann Institute

Society Memberships:

History of Science Society, American Physical Society, American Association of Physics Teachers