

Ryan Hearty

PhD candidate

history of science and technology, Johns Hopkins University

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Education

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| 2019 | M.A., history of science and technology, Johns Hopkins University |
| 2011 | M.S., electrical engineering, Johns Hopkins University |
| 2010 | B.S., philosophy/electrical engineering, Johns Hopkins University |
| 2010 | B.M., guitar, Peabody Conservatory of Music |

Work experience

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| 2019-2020 | Oral history fellow, Center for History of Physics, American Institute of Physics, College Park, MD |
| 2018- | Teaching assistant, Department of History of Science and Technology, Johns Hopkins University, Baltimore, MD |
| 2011-2017 | Associate engineer, Johns Hopkins University Applied Physics Laboratory, Laurel, MD |
| 2010-2011 | Teaching assistant, Department of Electrical Engineering, Johns Hopkins University, Baltimore, MD |
| 2005-2007 | Recording assistant, Peabody Conservatory of Music, Baltimore, MD |
| 2003-2005 | HVAC technician, Frost Heating and Air Conditioning, Hazlet, NJ |

Teaching experience

As Teaching Assistant, Johns Hopkins University

Spring 2021	140.374 Force and Matter from Galileo to Maxwell's Field Theory (with Dr. Robert Kargon)
Fall 2020	140.321 Scientific Revolution (with Dr. María M. Portuondo)
Spring 2020	140.302 Rise of Modern Science (with Dr. Joris Mercelis)
Fall 2019	140.117 Techno-ethics (with Dr. Yulia Frumer)
Spring 2019	140.302 Rise of Modern Science (with Dr. Sharon Kingsland)
Fall 2018	140.311 Ecology, Health, and Environment (with Dr. Sharon Kingsland)

Publications

Academic

Hearty, Ryan. "Redefining Boundaries: Ruth Myrtle Patrick's Ecological Program at the Academy of Natural Sciences of Philadelphia, 1947–1975." *Journal of the History of Biology*, November 18, 2020. <https://doi.org/10.1007/s10739-020-09622-5>.

Engineering

Angert, Matthew P., Brian M. Bubnash, Ryan J. Hearty, Michael B. O'Neill, Sharon X. Ling, Daniel E. Matlin, and Sheng Cheng. "Advancements in Hardware Design for the Frontier Radio Used for the Solar Probe Plus Mission." In *2017 IEEE Aerospace Conference*. Big Sky, MT, 2017. <https://doi.org/10.1109/AERO.2017.7943790>.

Hearty, Ryan J., Avinash Sharma, Elena Adams, and Erik Hohlfeld. "UHF Telecommunications Design for an Asteroid Lander Mission Concept." In *2017 IEEE Aerospace Conference*. Big Sky, MT, 2017. <https://doi.org/10.1109/AERO.2017.7943636>.

Conference panels and presentations

“Oral Histories of Science and the AIP/NASA Heliophysics Oral History Project,” 1:30pm, October 20, 2020. A roundtable discussion at the Oral History Association (OHA) annual meeting, October 19-24, 2020, Baltimore (delivered virtually due to pandemic).

“Ruth Patrick, DuPont, and the Biological Monitoring of Pollution in the US, 1949-1972,” 12:30pm, October 8, 2020. Part of “The Multifarious Legacies of ‘Silent Spring,’” a virtual session for the History of Science Society (HSS) annual meeting, October 8-10, 2020, New Orleans (delivered virtually due to pandemic).

“Environmental Ethics and Engineering Education in the US, 1970-1996,” part of “Historicizing Engineering Ethics” (sponsored by Prometheans), an open session at the Society for the History of Technology (SHOT) annual meeting, October 7-11, 2020, New Orleans (cancelled due to pandemic).

“Material and cultural environments of knowledge production,” a roundtable discussion at The Berkshire Conference on the History of Women, Genders, and Sexualities, May 28-31, 2020, Johns Hopkins University, Baltimore (cancelled due to pandemic).