

NICOLE WELK-JOERGER

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EDUCATION

- Anticipated 2020 **University of Pennsylvania**, Philadelphia, PA
Ph.D. Candidate in History and Sociology of Science
- Center for Teaching and Learning (CTL) Certificate in College and University Teaching, Awarded December 2016
 - **Exam fields:** Health and Medicine in American History; Environmental History; History of Technology; Research Methods in Anthropology
- 2014 **Brandeis University**, Waltham, MA
Master of Arts in Anthropology
- Master's Paper, "Cyber-assemblage milking: Animal nutritionists, Amish farmers, and the building of predictable farming models"
- 2012 **Temple University**, Philadelphia, PA
Bachelor of Arts in Art History and Anthropology, *Summa Cum Laude*

DISSERTATION

Feeding Others to Feed Ourselves: Animal Nutrition and the Politics of Health since 1900

Co-supervisors: Beth Linker and Etienne Benson, **Committee:** Adelheid Voskuhl and Ramah McKay

PUBLICATIONS

Peer-Reviewed Publications

- "Restoring Eden in the Amish Anthropocene." *Environmental Humanities* 11, no. 1 (2019) (forthcoming).
❖ An earlier version of this article was awarded the CASTAC David Hakken Paper Prize.
- "The Armsby Respiration Calorimeter." *Pennsylvania Magazine of History and Biography* 142, no. 3 (2018): 393-396.
- "Amish Community." in *The Oxford Companion to Cheese*, ed. Catherine Donnelly (Oxford University Press, 2016): 23-24.
❖ *The Oxford Companion to Cheese* won the James Beard Award in Reference and Scholarship, 2017.

Book and Film Reviews

- "Feeding Fear: Review of *Consumed* (MarVista Entertainment and Mister Lister Film, 2015)." *Endeavour* 41, Issue 2 (June 2017): 34-35.
- "Review of Smith-Howard, Kendra, *Pure and Modern Milk: An Environmental History since 1900*." *H-Envirohealth, H-Net Reviews*. October 2017.

Select Web-Based Publications

- "[A Cow's Menu on a DuPont Farm](#)," *Hagley News and Programs*. October 22, 2018.
- "[Crip Cows? Confronting Disabled Animals in the Archive](#)." *Environmental History Now*. October 9, 2018.
- "[The Food Animal Problem/The Food Animal Solution](#)." Edge Effects and NiCHE "Seeds 2" series, *Network in Canadian History and Environment (NiCHE)*. December 4, 2017.
- "[The Halter and the Crop](#)." Technological Memoir 2017 series, *Lady Science*. July 18, 2017.
- "[Milk: A History of Tasting What Cows Eat](#)." *Nursing Clio*. April 6, 2017.

Publications In Progress

“Cooperative Calorimetry: How Humans and Animals Helped Industrialize United States Agriculture.”

To be submitted to University of Missouri Press with a volume proposal by Finn Arne Jørgensen.

Review of *Livestock: Food, Fiber, and Friends* by Erin McKenna. Invited 2019 submission to *Graduate Journal of Food Studies*.

ACADEMIC AWARDS

2017	David Hakken Paper Prize, Committee for the Anthropology of Science, Technology, and Computing (CASTAC)
2017	Penn Prize for Excellence in Teaching by Graduate Students Award, University of Pennsylvania
2017	Dean’s Scholar Award, University of Pennsylvania
2014	Outstanding Teaching Fellow Award in Anthropology, Brandeis University
2012	Outstanding Achievement Award, Mayor’s Internship Program, City of Philadelphia
2012	Most Distinguished in Art History Award, Tyler School of Art/Temple University
2012	Dorothy A. Seegers Senior Memorial Award, Temple University
2011	Phi Beta Kappa, junior inductee

GRANTS AND FELLOWSHIPS

2018-2019	Wolf Humanities Center Graduate Student Fellow, University of Pennsylvania
2018-2019	Smithsonian Institution Predoctoral Fellow, National Museum of American History
2018-2019	Lemelson Center Fellow, National Museum of American History – Smithsonian Institution
2017-2018	Penn Program in the Environmental Humanities (PPEH) Fellow, University of Pennsylvania
2017	Anthropocene Campus Philadelphia (ACP) Society for the History of Technology (SHOT) Fellow
2017-2019	Teece Dissertation Research Fellowship, University of Pennsylvania
2017	Hagley Museum and Library Exploratory Research Grant
2016	Scientific Instrument Society (SIS) Research Grant Award
2016	GAPSA-Provost Fellowship in Interdisciplinary Innovation, University of Pennsylvania
2014-2019	Benjamin Franklin Fellowship, University of Pennsylvania
2010-2012	Ronald E. McNair Post-Baccalaureate Achievement Program Scholar

TEACHING EXPERIENCE

2018-present	Franklin and Marshall College , Lancaster, PA Instructor Courses: Science and Religion (STS 374) Environment and Human Values (STS 117)
2017	University of Pennsylvania, Center for Teaching and Learning (CTL) , Philadelphia, PA Instructor Workshop: Leading Discussions in the Humanities and Qualitative Social Sciences
2015-2017	University of Pennsylvania, School of Arts and Sciences , Philadelphia, PA Teaching Assistant Courses: Medicine in History (HSOC 002), Dr. David Barnes <ul style="list-style-type: none"> • Guest Lecture: “Water Cure: Past and Present” Technology and Society (STSC 003), Dr. Etienne Benson <ul style="list-style-type: none"> • Guest Lecture: “The Amish and Technology”

Health and Societies: Global Perspectives (HSOC 10), Dr. Ramah McKay
Environment and Society (STSC 379), Dr. Etienne Benson

- Guest Lecture: “Organics and Milk Production”

- 2016 **University of Pennsylvania, School of Engineering & Applied Science**, Philadelphia, PA
Grader
Course: Engineering Ethics (EAS 203), Dr. Brittany Shields
- 2013-2014 **Brandeis University, School of Arts and Sciences**, Waltham, MA
Teaching Assistant
Courses: Introduction to the Comparative Study of Human Societies (ANTH 1A),
Dr. Jonathan Anjaria (2014), Dr. Janet McIntosh (2013)
 - Guest Lecture: “Faith and Language in the Amish Community” (2014)Human Origins (ANTH 5A), Dr. Charles Golden
 - Guest Lecture: “Domestication of animals in the archeological record”
- 2012-2014 **Brandeis University, Student Support Services Program**, Waltham, MA
Instructor
Course: GRE Verbal Reasoning and Writing Preparation
- 2011-2012 **Temple University, School of Arts and Sciences**, Philadelphia, PA
Ronald E. McNair Teaching Fellow (teaching assistant)
Course: Evolution of Cultures (ANTH 809), Dr. Patricia Hansell

INVITED PAPERS, LECTURES, AND CONTRIBUTIONS

“An Industry of Industries: Animal Feed in the Mid-Twentieth Century,” National Museum of American History Research Colloquium, Smithsonian Institute, Washington, D.C., December 2018.

Workshop participant for “Closing the Gap,” an international workshop at Nordic Center, Fudan University, Shanghai, China, March 2018.

“History and ‘One Health.’” Invited guest lecture for Penn Vet *Seminar in One Health Design*, University of Pennsylvania, January 2018.

Invited roundtable participant for “Technology in the Anthropocene Roundtable Discussion,” (as ACP SHOT Fellow), Society for the History of Technology Conference, Philadelphia, PA, October 2017.

“Milk: A history of medicine and public health,” invited speaker for the State Library of Pennsylvania, Rare Collections Open House, Harrisburg, PA, August 2017.

“Eating “Natural”: Food Labels versus Feeding Realities,” invited speaker for Penn Arts and Sciences 60-Second Slam, University of Pennsylvania, May 2017.

- ❖ Winner, School of Arts and Science 2017 60-Second Slam

“Can Human Feminists Drink Cows’ Milk?,” invited speaker for Penn Vegan Society and Penn Association for Gender Equality, University of Pennsylvania, November 2016.

Invited roundtable participant, “Animals and Film,” *Animals in the Archive Symposium*, Penn Humanities Forum and Penn Program in Environmental Humanities, University of Pennsylvania, October 2016.

“Governing our guts: On food and policing microbes,” invited speaker for Nerd Nite Philly (No. 60), May 2016

“Animal Entrepreneurs: Understanding the 1993 Approval of rbST in Neoliberal America,” invited participant for *Animals in History* panel for Barnes Graduate Student Conference, Temple University, March 2016.

MEETINGS ORGANIZED

Program Committee Member, Agriculture History Society (AHS) 100th Anniversary Meeting, Washington, D.C., June 6 – 8, 2019.

Co-organizer, Wolf Humanities Center Symposium, University of Pennsylvania, February 2, 2019.

Co-organizer, *Environments of Modernity* Symposium, University of Pennsylvania, March 22 – 23, 2018.

Co-organizer, Anthropocene Reading Group, Penn Program in Environmental Humanities (PPEH), University of Pennsylvania, 2017 – 2019 (monthly meetings).

Co-organizer, Grad BEN Talks (graduate student TED-style talks), University of Pennsylvania, February 23, 2018.

CONFERENCE PRESENTATIONS

“From Farm to Pharm and Farm, Again: Tracing Oxytocin in Human and Agricultural Medicine from 1930,” American Association for the History of Medicine (AAHM), Columbus, Ohio, (upcoming, April 2019).

“Waste and the Wonders of the Bovine Gut: How Plastics, Petroleum, and Pharmaceuticals fed American Food Animals” American Society for Environmental History, Columbus, Ohio, (upcoming, April 2019).

““To Spread the Gospel of the Extension Service”: The Role of Feed Businesses in Feeding Food Animals, 1910 – 1930,” Joint Annual Meeting of the Agriculture, Food, and Human Values Society and the Association for the Study of Food and Society (AFHVS/ASFS), June 2018

“Markers of the Anthropocene: Bringing Human History to the Fore of a New Geological Period,” roundtable participant, American Society for Environmental History, Riverside, California, March 2018.

- ❖ Awarded the ASEH NSF Travel Grant to participate in this roundtable.

“When Scientific Specialties create Scape-“cows” in the Anthropocene,” American Anthropological Association, Washington, D.C., November 2017.

“Measuring Maintenance: Cow condition and calorimeters in America's early 20th century,” Society for the History of Technology, Philadelphia, Pennsylvania, October 2017.

- ❖ Co-organizer, *Maintaining Natures* string session, Society for the History of Technology 2017 (with Alice Clifton)

“Engineering menus, engineering care: The Romantic biopolitics of feeding American food animals, 1890 – 1920,” European Rural History Organization International Conference, Leuven, Belgium, September 2017.

- ❖ Awarded EURHO Grant and the President Gutmann Leadership Award to attend this conference.

“All Milk. All Healthy.?: Pastoral perceptions between farmers and consumers during the 1993 Posilac approval,” Agricultural History Society, Briarcliff Manor, New York, June 2016.

- ❖ Awarded the Agricultural History Society Graduate Student Travel Grant to present this paper.

“Religion, Science, and Diverse Farming Methods Among the Amish in Pennsylvania,” Young Center Amish Conference, Elizabethtown, Pennsylvania, June 2016.

“From Schauberger to Swartzentruber: Alternative water technologies from 1936 – 2013,” Society for the History of Technology, Albuquerque, New Mexico, October 2015.

- ❖ Awarded the Women in the History of Technology (WITH) Travel Award and the Society for the History of Technology (SHOT) Travel Grant to present this paper.

“Facilitating Traditions and Farming Futures: Selling feed and advice to the last dairy farmers in Pennsylvania,” American Anthropological Association, Chicago, Illinois, November 2013.

- ❖ Awarded the St. Clair Drake Award from the Society for the Anthropology of North America to present this paper.

MEDIA

Ahlborn, Susan. “How We Feed Our Food,” *Omnia: All Things Penn Arts and Sciences*, 13 April 2017: <http://omnia.sas.upenn.edu/story/how-we-feed-our-food>.

Gruber, Philip. “How to Work with the Amish on Conservation.” *Lancaster Farming*, 20 June 2016: http://www.lancasterfarming.com/news/main_edition/how-to-work-with-the-amish-on-conservation/article_8d0af079-84c5-5da4-83f6-5b494e2862b3.html

Thacker, Lauren. “60-Second Slam Lets Students and Faculty Show their Work,” *Omnia: All Things Penn Arts and Sciences*, 22 May 2017: <https://omnia.sas.upenn.edu/story/60-second-slam-lets-students-and-faculty-show-their-work-video>

SERVICE

Peer Reviewer, Graduate Journal of Food Studies, 2018 – present

Committee Member, Agricultural History Society Program Committee, 2018 – 2019; Penn Prize for Excellence in Teaching Award Committee, March 2018

Vice President of Public Affairs, School of Arts and Science Graduate Student Government (SASgov), 2017 – 2018

Judge, School of Arts and Sciences Graduate Student BENTalks Competition, 2017, 2018

Grant Reviewer, School of Arts and Sciences Graduate Student Government (SASgov) discretionary and travel funds, 2016 – 2017; GAPSA-Provost Fellowship for Interdisciplinary Innovation, 2017.

Social Media Coordinator, (co-coordinator) American Society for Environmental History (ASEH) Graduate Student Caucus, 2017 – 2018; SASgov, 2017 – 2018; Twitter volunteer for *Disability Studies: A History* Conference, March 2017.

OTHER RELEVANT EMPLOYMENT

Philadelphia Museum of Art, Philadelphia, PA 2011- 2016
Public Programs Museum Intern, Researcher, and Program Adjunct

Netter Center for Community Partnerships, Philadelphia, PA 2014-2015
University Assisted Schools Evaluation Team Researcher

Rose Art Museum , Waltham, MA Visitor Services Coordinator, Gallery Guide Coordinator	2012-2014
Student Support Services Program , Brandeis University, Waltham, MA Graduate Assistant, Writing Tutor	2012-2014
City of Philadelphia Office of Arts, Culture and Creative Economy , Philadelphia, PA Mayor's Intern, Public Art Department Assistant	Summer 2012
The Temple News , Temple University, Philadelphia, PA Arts and Entertainment contributor, <i>Starving Artist</i> columnist	2009-2012

MEMBERSHIPS

Agricultural History Society (AHS)
American Anthropological Association (AAA)
American Dairy Science Association (ADSA)
American Society of Animal Science (ASAS)
American Society for Environmental History (ASEH)
Food Safety Modernization Act (FSMA) Preventive Controls Qualified Individual (PCQI) Certificate
Society for the Anthropology of North America (SANA)
Society for the History of Technology (SHOT)

LANGUAGES

English: Native speaker
Spanish: Advanced
German: Reading