

HSS Annual Meeting

Hilton Portland Downtown Hotel Portland, OR, USA 9-12 NOVEMBER 2023

Co-Chairs
Jaipreet Virdi
Courtney Thompson

The University of Chicago Press is honored to publish *Isis* and *Osiris* on behalf of the History of Science Society



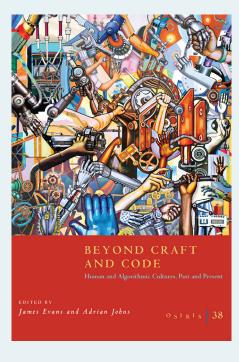
Isis

A Journal of the History of Science Society

4 issues/year | ISSN: 0021-1753 | E-ISSN: 1545-6994

journals.uchicago.edu/isis

Since its inception in 1912, *Isis* has featured scholarly articles, research notes, and commentary on the history of science, medicine, and technology and their cultural influences. Review essays and book reviews on new contributions to the discipline are also included.



Osiris

Annual | ISSN: 0369-7827 | E-ISSN: 1933-8287

journals.uchicago.edu/osiris

Founded in 1936 by George Sarton, and relaunched by the History of Science Society in 1985, *Osiris* is an annual thematic journal that highlights research on significant themes in the history of science. The 2023 volume assesses the craft/code binary in the study of algorithmic culture and explores what the history of science looks like in an algorithmic age.

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EXECUTIVE COMMITTEE

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Evelynn Hammonds, Vice President

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Alisha Rankin, Council Delegate

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Gabriela Soto-Laveaga Kate Sheppard

AT A GLANCE

REGISTRATION DESK

Thursday, Noon-8:00 pm Friday, 8:00 am-6:00 pm Saturday, 8:00 am-6:00 pm Sunday, 8:00 am-11:00 am

EXHIBIT HALL

Thursday, 5:30 pm-8:30 pm Friday, 9:00 am-6:00 pm Saturday, 9:00 am-6:00 pm

BREAKS

Friday, 10:30 am-11:00 am, 3:30 pm-4:00 pm Saturday, 10:30 am-11:00 am, 3:30 pm-4:00 pm Sunday, 10:30 am-11:00 am

Wednesday 8 November

Elizabeth Paris Lecture, Jennifer Burns Bright, A Savory and Unsavory History of Canned Food 7:00 pm, Oregon Museum of Science and Industry

Thursday 9 November

Opening Plenary, Perpetual Crisis?: Problems and Methodological Questions, 5:00 pm - 6:30 pm, Pavilion Opening Reception, 6:30pm-8:30pm, Atrium

Friday 10 November

Distinguished Lecture, Anita Guerrini, Chemistry Within and Against Colonialism, 6:00 pm-7:30 pm, Pavilion

Saturday 11 November

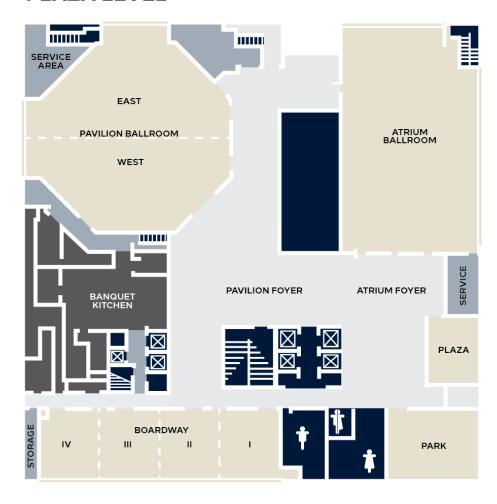
HSS Listening Session and Member Orientation, 4:00 pm-5:30 pm, Pavilion Prize Ceremony, 6:00 pm-6:30 pm, Pavilion Interview with Sarton Medalist: Theodore Porter, 6:30 pm-7:30 pm, Pavilion

Sunday 12 November

HSS Member Business Meeting, 7:30 am-8:45 am, Pavilion

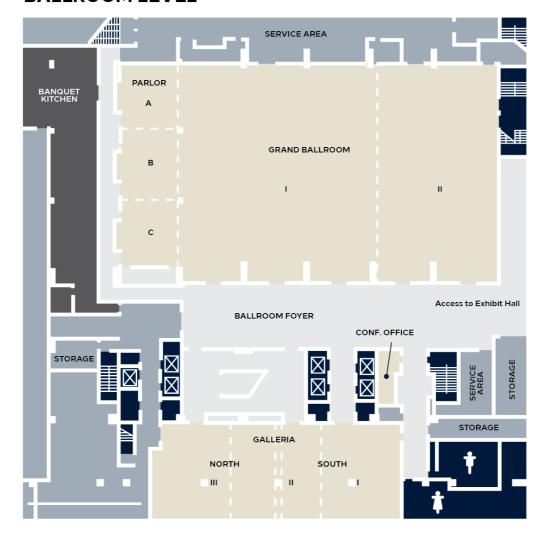
HOTEL MAP

PLAZA LEVEL



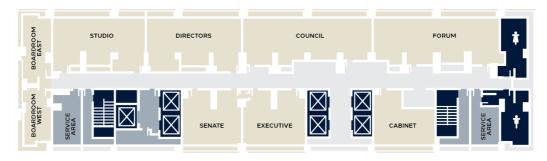
HOTEL MAP

BALLROOM LEVEL



HOTEL MAP

3RD FLOOR CONFERENCE LEVEL



23RD FLOOR SKYLINE LEVEL



EXHIBIT HALL

ATRIUM Rootenberg Rare Books & Manuscripts **/ale University** Ō Green Lion Press University of Pittsburgh Press University of Chicago Princeton University Press Ō Johns Hopkins University Press Science History œ

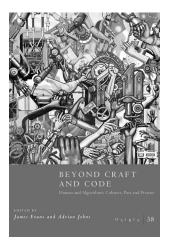
EXHIBITORS

- 1. Johns Hopkins Press
- 2. MIT Press
- 3. Green Lion Press
- 4. Palgrave Macmillan
- 5. University of Chicago Press
- 6. Isis
- 7. IsisCB
- 8. Science History Institute
- 9. Princeton University Press
- 10. The Royal Society
- 11. University of Pittsburgh Press
- 12. American Institute of Physics
- 13. Rootenburg Rare Books & Manuscripts
- 14. The Scholars Choice
- 15. HSS Centennial
- 16. Brepols Publishers
- 17. Yale University Press

5 Feet

History of science journals from Chicago





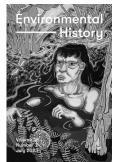
Isis

A Journal of the History of Science Society

Osiris 38

Beyond Craft and Code: Human and Algorithmic Cultures, Past and Present



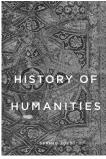


The British Journal for the Philosophy of Science

Environmental History

Early Modern Women: An Interdisciplinary Journal

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HOPOS

The Journal of the International Society for the History of Philosophy of Science



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The Journal of Early Modern Studies





The Social History of Alcohol and Drugs

Speculum

A Journal of Medieval Studies

I Tatti Studies



WEDNESDAY, NOVEMBER, 8

001. Executive Committee Meeting (1)

Business Meeting 9:00 to 5:00 pm

Hilton Portland Downtown: 23rd Floor - Skyline IV

Chair:

Fa-ti Fan, Binghamton University

Participants:

Evelynn Hammonds, Harvard University

Gwen Kay, SUNY Oswego

Matthew Shindell, Smithsonian National Air and

Space Museum

Alexandra Hui, Mississippi State University **Matthew Lavine**, Mississippi State University **Soraya de Chadarevian**, University of California,

Los Angeles

Alisha Rankin, Tufts University

John Paul Gutierrez, History of Science Society

002. The Elizabeth Paris Lecture: A Savory and Unsavory History of Canned Food

Sponsored Session

6:00 to 9:00 pm

Oregon Museum of Science and Industry: Theory at OMSI

Lecturer:

Jennifer Burns Bright

THURSDAY, NOVEMBER, 9

003. Executive Committee Meeting (2)

Business Meeting 8:00 to 12:00 pm

Hilton Portland Downtown: 23rd Floor - Skyline IV

Chair:

Fa-ti Fan, Binghamton University

Participants:

Evelynn Hammonds, Harvard University

Gwen Kav. SUNY Oswego

Matthew Shindell, Smithsonian National Air and

Space Museum

Alexandra Hui, Mississippi State University **Matthew Lavine**, Mississippi State University

Soraya de Chadarevian, University of California, Los Angeles

Lus Aligeles

Alisha Rankin, Tufts University

John Paul Gutierrez, History of Science Society

004. Registration Day 1

12:00 to 8:00 pm

Hilton Portland Downtown: Plaza Level - Plaza Foyer

005. HSS New Council Member Orientation

Business Meeting 12:00 to 1:00 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

Adrianna Link, American Philosophical Society Patrick McCray, University of California, Santa Barbara

Samantha Muka, Stevens Institute of Technology **Omar Nasim**, University of Regensburg **Jessica Wang**, University of British Columbia

006. Workers and/in Healthcare

Contributed Paper Session

12:30 to 2:00 pm

Hilton Portland Downtown: Plaza Level - Broadway III/IV

Participants:

Biopower in Plantations: Healthcare in the Munnar Tea Plantations in Colonial South India *Amil Varghese, Research Scholar*

"Negro Morale": Constructing Psychological Racial Difference in the World War I US Army Leslie-William Theodore Robinson, Brown University

"Health Care for the People": An Ecological Analysis of the Barefoot Doctor Program during China's Cultural Revolution Chang Liu, The New School for Social Research

Invisible Technicians or Aspiring Professionals?
Workforce Hierarchies and Failed Diversity
Initiatives in Postwar Physical Therapy *Andrew*Hogan, Creighton University

Chair:

Christopher Crenner, University of Kansas School of Medicine

007. Making Museums

Contributed Paper Session

12:30 to 2:00 pm

Hilton Portland Downtown: 3rd Floor - Council

Participants:

From the Dockyard to the Museum: Ship Models and their Purposes in the Age of Colonial Empires *Urna Mukherjee, Johns Hopkins University*

Rethinking Interspecies Extinction Narratives in 19th Century Newfoundland: The Great Auk and Beothuk *Anna Christensen, Harvard History of Science*

The Bone Wars and Cultural Nationalism in the Late 19th Century *Katie Wedderstrand*

Passive, Appropriate, Local: The Politics of Climate Control in the Museum *Nushelle de Silva*, Fordham University

Chair:

Florencia Pierri, MIT Museum

008. Art or Science?

Contributed Paper Session

12:30 to 2:00 pm

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

The Making of a Science of Empathy Riana Betzler, San Jose State University

The Power of Art for Change: Free Universities, Social Sculpture, and Joseph Beuys' Concept of Science Mason Tattersall, Oregon State University

A Nose is a Nose is a Nose: Towards a History of Artificial Noses *Galina Shyndriayeva*, *University* of Tokyo

Chair:

Alan Rauch, UNC Charlotte

009. Authors Roundtable: Global Histories

Authors Roundtable Session

12:30 to 2:00 pm

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

Empires of the Dead: Inca Mummies and the Peruvian Ancestors of American Anthropology Christopher Heaney, Penn State

The Remnants of Race Science: UNESCO and Economic Development in the Global South Sebastián Gil-Riaño, University of Pennsylvania

Surgery and Salvation: The Roots of Reproductive Injustice in Mexico, 1770-1940 *Elizabeth O'Brien, Johns Hopkins University*

010. GECC Welcome Room Day 1

12:30 to 4:30 pm

Hilton Portland Downtown: Plaza Level - Park

011. Spaces and Landscapes

Contributed Paper Session

12:30 to 2:00 pm

Hilton Portland Downtown: 3rd Floor - Studio

Participants:

Spatial Reimaginations in Disability, Development, and Community-Based Rehabilitation *Wonik Son, Yale University*

The Integration of Engineering and Scholarly Practices: Cruquius' Isobaths *Jip van Besouw, University of Seville*

"Traditional Geography, Borderland Cartography, and the Modern Chinese State" Xue Zhang, Reed College

Between the Mountain, Meadow, Calm, and the Storm: Exner's and Elster and Geitel's Electrical Atmospheres *Katy Duncan, University of Cambridge*

Chair:

Andrew Meade McGee

012. HSS Council Meeting

Business Meeting 1:00 to 4:00 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Chairs:

Fa-ti Fan, Binghamton University

Evelynn Hammonds, Harvard University

Gwen Kay, SUNY Oswego

Matthew Shindell, Smithsonian National Air and Space Museum

Alisha Rankin, Tufts University

Participants:

Alexandra Hui, Mississippi State University
Matthew Lavine, Mississippi State University
Jan Golinski, University of New Hampshire
Florence Hsia, University of Wisconsin
Projit Bihari Mukharji, University of Pennsylvania
Christine von Oertzen, Max Planck Institute for the
History of Science

Irina Podgorny, CONICET La Plata
Dora Vargha, University of Exeter / Humboldt
University

Monica Azzolini, University of Bologna Rebekah Higgitt, National Museums Scotland Terence Keel, University of California, Los Angeles Harun Küçük, University of Pennsylvania Alisha Rankin, Tufts University Elena Aronova, University of California, Santa Barbara

Elise K Burton, University of Toronto Asif Siddiqi, Fordham University Jahnavi Phalkev

Pratik Chakrabarti, University of Houston **Adrianna Link**, American Philosophical Society **Patrick McCray**, University of California, Santa Barbara

Samantha Muka, Stevens Institute of Technology Omar Nasim, University of Regensburg Jessica Wang, University of British Columbia Patricia Martins Marcos, UCLA Soraya de Chadarevian, University of California, Los Angeles

013. Disrupting (Neo) Colonial Life's Order: Locality, Indigenous Knowledges, and Resistance in Latin America Before the 20th Century

Organized Session

2:30 to 4:00 pm

Hilton Portland Downtown: Plaza Level - Broadway III/IV

Participants:

Collecting Cundurango: U.S. scientific Expeditions and 19th-Century Ecuadorian Healing *Ana Hidrovo-Lupera*, *Penn State University*Codifying Nahua Knowledge on Cochineal

Cultivation in Sixteenth-Century Tlaxcala: From Unprecedented Wealth to Abrupt Field Destruction *Diana Heredia-López, The University of Texas at Austin*

Detestable Remedies: Plants, Reproduction, and Indigenous Knowledge in Colonial New Granada *Austen Walker, Penn State University*

Session Organizer:

Diana Heredia-López, The University of Texas at Austin

Chair:

Ana Hidrovo-Lupera, Penn State University

014. The Politics of History of Science's Birth: Johannes Kepler (1571-1630)

Organized Session 2:30 to 4:00 pm

Hilton Portland Downtown: 3rd Floor - Council

Participants:

Kepler and the Myths of the Origin of Music *Aviva Rothman*

Kepler, the Pythagoreans, and the Uses of History Jonathan Regier

Being a Lutheran Astrologer, Differently: Self-Government, Signs, and Salvation in Kepler's Astrology Steven Vanden Broecke

The Time of Kepler's Ellipse: Between Geometry and Aesthetics *Christiane Frey*

Session Organizer:

Steven Vanden Broecke

Chair:

Steven Vanden Broecke

015. Tea, Caouin, and Blood: Social Histories of Fermentation

Organized Session 2:30 to 4:00 pm

Hilton Portland Downtown: 3rd Floor - Forum

Participants:

When Native American Fermentation met European Experimentation *Justin Linds, New York Botanical Garden*

Blood, Fermentation, and Purity *Kate Mulry, CSUB*Fermentation More Social Than Chemical: The
Case of Tea in India *John Lourdusamy, Indian Institute of Technology*

Session Organizer:

Charlotte Abney Salomon, Science History Institute

Chair:

Charlotte Abney Salomon, Science History Institute

Commentator:

Jessica Varner

016. Authors Roundtable: Health and Medicine

Authors Roundtable Session

2:30 to 4:00 pm

Hilton Portland Downtown: Ballroom Level - Galleria

North

Participants:

How the Clinic Made Gender The Medical History of a Transformative Idea Sandra Eder, Univ. of California, Berkeley

The Bureaucracy of Empathy: Law, Vivisection and Animal Pain in Late Nineteenth-Century Britain Shira Shmuely

Captivity's Collections: Histories of Slavery, Colonialism, and Science Museums *Kathleen Susan Murphy, Cal Poly State University*

The Malleable Body: Surgeons, Artisans and Amputees in Early Modern Germany *Heidi Hausse, Auburn University*

Do I Know You? From Face Blindness to Super Recognition Sharrona Pearl, Drexel University

017. Intimacy, Indigeneity and Science: Knowledge Production under Settler Colonialism

Organized Session 2:30 to 4:00 pm

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

Indigenous Vibrations: Science, Time, and Affect in the Indianist Music Movement *Eli Nelson*

Colonial Botany, Romantic Performativity, and "Go-Betweens" in Aotearoa New Zealand Geoffrey Bil, University of Delaware

Intimacies of Past and Present: Scientific Ghosts in Indigenous Brazil Rosanna Dent, New Jersey Institute of Technology

Bureaucratic Intimacy: Research Sovereignty in Alaska *Jennifer K. Brown*

Session Organizer:

Ahmed Ragab, John Hopkins University Chair:

Ahmed Ragab, John Hopkins University Commentator:

Sonya Atalay, University of Massachusetts, Amherst

018. Standardizing Dairy: Bovine Bodies, Nation, and Empire

Organized Session 2:30 to 4:00 pm

Hilton Portland Downtown: 3rd Floor - Studio Participants:

Capturing "Dairy Character": The Role of Professional Livestock Photography in U.S. Agricultural Science and Cattle Breeding *Nicole* Welk-Joerger, University of Wisconsin, Milwaukee

Suminokura Yoshimichi and his Intensive Cow Cycle: Bovine Vaccines, Cows, and Milk in Imperial Japan *Narusa Yamato, Stanford University*

Defining Dairy Breeds: Paper Technologies and the Future of Cattle Breeding in Late Colonial India Koyna Tomar, University of Pennsylvania

Session Organizer:

Koyna Tomar, University of Pennsylvania

Chair:

Tamar Novick, Max Planck Institute for the History of Science

019. HSS Annual Meeting Welcome

Plenary Session 4:30 to 5:00 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Chairs:

Jaipreet Virdi, University of Delaware Courtney Thompson, Mississippi State University

020. Exhibit Hall Day 1

5:00 to 8:30 pm

Hilton Portland Downtown: Plaza Level - Atrium

021. Perpetual Crisis?: Problems and

Methodological Questions

Roundtable 5:00 to 6:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Session Organizer: Eram Alam

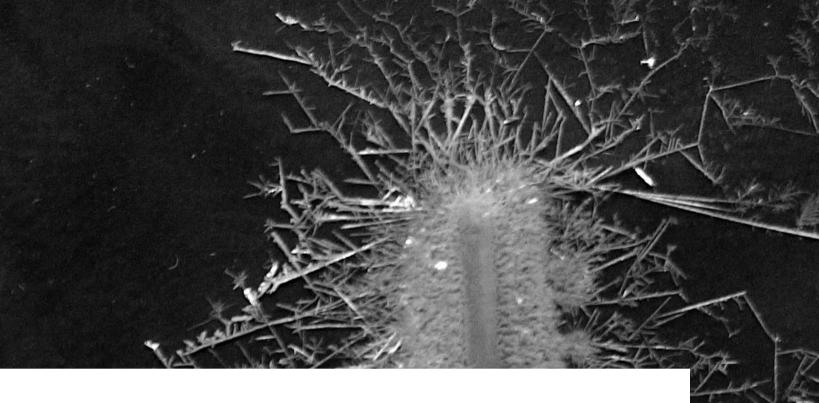
Participants:

Elaine LaFay, Rutgers University Kavita Sivaramakrishnan Amy Hay Omar Dewachi

022. 2023 HSS Annual Meeting Opening Reception & Cake Cutting Ceremony

HSS Annual Meeting Reception 6:30 to 8:30 pm

Hilton Portland Downtown: Plaza Level - Atrium



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Undescrib'd: Taylor White's 'Paper

Museum' organized and guest edited

by Victoria Dickenson

For further information and to submit,

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FRIDAY, NOVEMBER, 10

023. Retired Member Coffee & Croissants

Reception 7:30 to 8:45 am

Hilton Portland Downtown: Ballroom Level - Parlor

024. HSS Committee/Caucus/Forum Chair's Breakfast

HSS Annual Meeting Breakfast 7:30 to 8:45 am

Hilton Portland Downtown: 23rd Floor - Skyline I

025. Registration Day 2

8:00 to 6:00 pm

Hilton Portland Downtown: Plaza Level - Plaza Foyer

026. Exhibit Hall Day 2

9:00 to 6:00 pm

Hilton Portland Downtown: Plaza Level - Atrium

027. Forum on the History of Mathematical Sciences

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway I/II Chair:

Brittany Shields, University of Pennsylvania

028. Forum on the History of Science in Asia (FHSA)

Business Meeting

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway

Chairs:

Charu Singh, University of Cambridge **Jia-Chen Fu**

029. Forum on the History of Chemical Sciences (FHCS)

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Council

Chair:

Evan Hepler-Smith, Duke University

030. Pacific Circle

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Directors

Chair:

Sujit Sivasundaram, University of Cambridge

031. Forum on the History of Health, Medicine, and Life Sciences

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Forum

Chair:

Andrew Hogan, Creighton University

032. Early Sciences Forum

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria

North
Chairs:

Mackenzie Anne Cooley, Hamilton College Patrícia Martins Marcos, UCLA

033. Earth & Environmental Sciences Forum

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria

South

034. GECC Welcome Room Day 2

9:00 to 4:00 pm

Hilton Portland Downtown: Plaza Level - Park

035. Forum for the History of Human Science Distinguished Lecture

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Pavilion

Chair

Jamie Cohen-Cole, George Washington University Lecturer:

How are You? The History of Sentiment Analysis, Worker Surveillance, and Internment Camps Wendy Chun, Simon Fraser University

036. CALM Caucus Business Meeting

Business Meeting

9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline II Chairs:

Elena Canadelli, University of Padova **Benjamin Gross**, Linda Hall Library **Catarina Madruga**, Museum für Naturkunde Berlin, Humanities of Nature

037. The Sexual Lives of Racial Others: Sexology Beyond the West

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

From the Outlook of Celibacy: The Coptic Orthodox Church and the Ramifications of the Pill Carlton Carter Barnett, Johns Hopkins University

The Secrets of A Loyalist Soul: Psychoanalysis and Homosexuality in Wartime China *Howard Chiang*, *University of California*. *Davis*

Polygamy and Population Decline in Late Ottoman Scientific Discourse Caleb Shelburne, Harvard University

Session Organizer:

Caleb Shelburne, Harvard University

Chair:

Arnav of Bhattacharya, University of Pennsylvania

038. HSS Centennial Committee Meeting

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline IV

Chair:

Kathleen Sheppard, Missouri S&T

Participants:

Babak Ashrafi, Consortium for History of Science,

Technology and Medicine

Benjamin Gross, Linda Hall Library

Gwen Kay, SUNY Oswego

Sarah Pickman, Yale University

Sarah Qidwai, University of Regensburg

Matthew Shindell, Smithsonian National Air and Space Museum

Matthew Stanley, New York University **Edna Suárez-Díaz**, UNAM, Mexico City

039. Forum for the History of Science and Knowledge in Latin America and the Caribbean

Business Meeting 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Studio

Chairs:

Christopher Heaney, Penn State Karin Rosemblatt, University of Maryland

040. Exclusion, Adaptation, and Expansion: Defining Standards in Mathematics and its History

Organized Session

Sponsored by Forum for the History of Mathmatical Sciences

11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Broadway I/II Participants:

Indigenous Mathematics: Standards of Exclusion of Anthropological and Historical Research in the American Southwest (1880 - 1920) Alma S McKown, Simon Fraser University

An "Acknowledged National Standard" for All?: Views on Pedagogical Standards in Black Educators' Adaptations of Charles Davies's Mathematics Textbooks *Amy Ackerberg-Hastings*, *MAA Convergence*

The Expansion of Mathematics Classroom Benchmarks, Standards, and Testing into US Education Policy *Emily Hamilton, University of Massachusetts, Amherst*

Session Organizer:

Emily Hamilton, University of Massachusetts, Amherst

Chair:

Emily Hamilton, University of Massachusetts, Amherst

Commentator:

Jemma Lorenat, Pitzer College

041. Innovating Together: Technological Exchange and Cooperation in East Asia Since 1945

Organized Session

Sponsored by the Forum for the History of Science in Asia

11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Broadway

Participants:

Cementing Infra-Technocracy: Fengman Dam and Sino-Japanese Rule of Expert Yuting Dong, University of Chicago

Colonial Reverberations: Infrastructural
Development and Technopolitical Imaginaries in
North and South Korea Haeyoung Kim, University
of Chicago

Backstage Circulation of Trans-East Asian Information and Industrial Development of South Korea in the early 1950s *Juyoung Lee, John Hopkins University*

The Sun and the Stars: Sino-Japanese Space Cooperation, 1978-2000 Subodhana Wijeyeratne, Purdue University

Session Organizer:

Yuting Dong, University of Chicago

Chairs:

lan J Miller, Harvard University
Subodhana Wijeyeratne, Purdue University

042. Biological Alterity and Intelligibility

Organized Session

11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Council Participants:

Making "Latin Americans": Bureaucracy and Heredity in the Construction of Latinx Identity, 1920-1936 Grace Maria Eberhardt, University of Illinois Urbana-Champaign

Can Protozoa Die? On Heredity and Reproductive Futurity in Late Nineteenth-Century German Biology *Yingchen Kwok, University of Pennsylvania*

The Technicity of the Anal Sphincter: Physiology and the Queer Use of Muscle *Thelma Wang, MIT* Session Organizer:

Yingchen Kwok, University of Pennsylvania hair:

Wendy Kline, Purdue University

043. Crafting Extraction in South America: The Production of Knowledge as a Collective Enterprise

Organized Session

11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Directors Participants:

Informal Knowledge Communities: The Role Sealers and Indigenous Communities in the Production of Hydrographical Knowledge of Patagonia Natalia Gandara, Pontifical Catholic University of Valparaíso; John Carter Brown Library

The Construction of "True Mines." The Vernacular in Colombia's Large-Scale Mining Industry, 1850-1902 Lorena Campuzano Duque

Extracting Historical Discourses about Petroleum Prospecting - Polish Engineers between Argentina and Austrian Galicia, 1880-1910 Aleksandra Kaye, The Max Planck Institute for the History of Science

Session Organizer:

Lorena Campuzano Duque

Chair:

Fa-ti Fan, Binghamton University

Commentator:

Thomas Turnbull, Max Planck Institute for the History of Science

044. New Genealogies of Eugenics

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Executive Participants:

Structural Entanglements of American Sexology and Eugenics *Beans Velocci, University of Pennsylvania*

Liberation Eugenics Ayah Nuriddin

Slavery, the Civil War, and the Science of Race Crossing *Rana Hogarth*

Session Organizer:

Beans Velocci, University of Pennsylvania Chair:

Christopher Willoughby

045. Teaching Science and the History of Science at

Christian Universities

Roundtable

11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Forum

Session Organizer:

Francesca Bordogna, University of Notre Dame Chair:

Phillip R. Sloan, University of Notre Dame Participants:

Maura C Flannery, St. John's University, NY Michael Weismeyer, Southern Adventist University

046. Environments of Science

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

Lethbridge Without an Air Pump: Diving Barrels and Unchartered Waters in Early Modern England Guy Sechrist, Donnelly College

Artificial Climates: Greenhouses and the Urban Landscape 1800-1850 Paul E. Sampson, University of Scranton

Blurred Lines: Oxygen and "Flying Sickness" in Royal Flying Corps 1917-1918 *James Esposito*, *The Ohio State University*

"The Extreme Environment" in South Africa's Gold Mines c. 1953. *Megan Eardley, Princeton University*

Session Organizer:

Paul E. Sampson, University of Scranton hair:

Paul E. Sampson, University of Scranton Commentator:

Elaine LaFay, Rutgers University

047. Scientific Childhoods

Contributed Paper Session

11:00 to 12:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

Moving Bodies: Manual Labor and Children's Play in Physical Sciences Textbooks *Elizabeth Fabry Massa Hoiem, University of Illinois at Urbana-Champaign*

Pre-Scientific Babies: Infancy in Child-Rearing Manuals and Infant Pedagogy of Pre-Darwinian America Elisabeth Yang, Boston University

"Science Rules": Educational Reform, the Children's Television Act, and the Public Face of STEM in the 1990s Matthew Wisnioski, Virginia Tech; Michael Meindl, Radford University and Virginia Tech

Chair:

Sally Gregory Kohlstedt, University of Minnesota

048. FUTURES: Digital Projects and the History of

Science. Shifting Practices and the Challenges of Digital Platforms

Futures Roundtable

11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion Participants:

Elena Canadelli, University of Padova; Rebekah Higgitt, National Museums Scotland; Katja Kaiser, Museum für Naturkunde Berlin; Luca Tonetti, University of Padua; Adrianna Link, American Philosophical Society; Rana Brentjes, Max Planck Institute for History of Science

Chair:

Benjamin Gross, Linda Hall Library

049. Class Acts: Re-Sorting the History of Science and Technology

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

Beyond "Science" Joseph D. Martin, Durham University

When Categories Constrain Care Coreen A. McGuire, Durham University

Unbecoming Science: Eugenics, Actors' Categories, and the Politics of (Re) Classification *Alex Aylward, Oxford University*

Session Organizer:

Joseph D. Martin, Durham University Chair:

Joseph D. Martin, Durham University

050. Asian American Scientists and US-Asian Scientific Interaction

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

From Korean to Korean-American: Modernization of Post-1945 Korea Seen through the Trajectory of Physicist Benjamin W. Lee *Eun-Joo Ahn*, *University of California Santa Barbara*

Science Diplomats and Accidental Activists: Five Decades of Political Engagement for Chinese Scientists in the US Yangyang Cheng, Yale University

Transnational Big Science: Chinese American Scientists and the Making of the Beijing Electron Positron Collider Zuoyue Wang, California State Polytechnic University, Pomona

Science on the Move: Talent Circulation in an Age of Global Competition and Risk *Shunan You*

Session Organizer:

Eun-Joo Ahn, University of California Santa Barbara

Chair:

Victor Seow, Harvard University

051. Science, Scientists, Diplomacy

Contributed Paper Session

11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Studio

Participants:

"Intellectual Hunger": History of Science beyond

Professionalization Ohad Reiss-Sorokin, University of Virginia

Quack? Accusations Against Others in the Social Sciences. Four Criteria for Historical Interpretation. Robert Stuart Fyke, Ecole des Hautes Etudes en Sciences Sociales

Problem Solving as Intelligence and Social Practice Henry Schmidt

Entomology as scientific diplomacy: the Sterile Insect Technique in an international and historical context *Eric Lindquist*

Chair:

Barbara Kirsi Silva, Universidad Catolica de Chile

052. Building Cross-Institutional Partnerships

Futures Roundtable

2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Broadway I/II Chair:

Melissa Lo, Getty Foundation

Commentators:

Tania Munz, Forest History Society **Babak Ashrafi**, Consortium for History of Science, Technology and Medicine **Gideon Manning**, Cedars-Sinai Program in the History of Medicine

053. Health and Colonialism

Contributed Paper Session 2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Broadway

Participants:

Unani Medical System in the Deccan Region during the Asaf Jahi Period 19th century India. Sai Krishna Vardhaman, IIT Madras

Notes From the Infirmary: Pharmaceuticals and Colonial Public Health in Late 19th Century British Nevis Jesse Cavalari, University of Washington

Soft Bullets of Empire: Nutrition, Indigeneity, and Empire in Oceania *Josh Levy, Library of Congress*

Global Health Trachoma Research on Taiwanese and Apache Children through a Lens of Decolonial Transnationality, 1930s – 1960s Shinyi Hsieh, Fairbank Center, Harvard University

Chair:

Patrick Anthony

054. Artificial Intelligence and Machine Learning

Contributed Paper Session

2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Council Participants:

Ontology of the Ambience: Noise, Signal, Information, and War Chen-Pang Yeang,

University of Toronto

A Checkered History: Game-Playing in Artificial Intelligence Matthew Jordan, McMaster University

"Requires No Programming": Language, Simulation, and Power at Postwar Monsanto *David Dunning*, *University of Pennsylvania*

Of Learning, Creativity, and the III-Defined World: Histories of 1950s Machine Learning as a Nominalist Strategy for Contemporary Decision-Making, Scientific Discovery, and Epistemological Relativism *Aaron Mendon-Plasek*, *Yale Law*

Chair:

Laura Stark, Vanderbilt University

055. Changing Color: Yellow Dyes from the Islamic Middle Ages to Early Modern Europe

Organized Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Directors Participants:

Yellow Hair and Shiny Henna: Technical Knowledge and Material History in the Mediaeval Arabic Tradition Lucia Raggetti, University of Bologna

Yellow and its "Antidote": Dyeing and Bleaching in Early Arabic Technical Treatises Sara Fani, University of Bologna

Citrination and its Discontents: Yellow as a Sign of Alchemical Change *Jennifer Rampling*, *Princeton University*

Making Yellows Last with Nitric Acid: The Art and Ideas of Colour Fixation, 1600-1850 Marjolijn Bol, Utrecht University

Session Organizer:

Jennifer Rampling, Princeton University

Jiair.

Lawrence Principe, Johns Hopkins University

056. Technologies of Accounting: Science, Medicine, and Capitalism

Organized Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Forum

Participants:

Disseminating Knowledge with Commerce: the Banking Model of Knowledge at the Royal Society of London during the Late Seventeenth Century *J.P. Ascher*

Abacus Numeracy in Early Modern and Modern Japan *Yu Shan Chen, Harvard University*

Accounting, (E)valuating, Bookkeeping: Calculative Practices and Paper Knowledge in German and British Hospitals, 1770-1930 Axel Hüntelmann, Charité, Universitätsmedizin Berlin

"Dollars and cents—time and eternity": How

Antebellum African American Activists Used Computation to Protest Gradual Emancipation Meagan Wierda, Université de Montréal

Keeping the Books, Knowing the World: The Philosophy and Politics of Accounting in Central Europe, 1871–1945 *Max Ehrenfreund, Harvard University*

Session Organizers:

Max Ehrenfreund, Harvard University **Yu Shan Chen**, Harvard University

Chair:

Yu Shan Chen, Harvard University

057. Nuclear Falloutsr

Contributed Paper Session

2:00 to 3:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria

North

Participants:

Defiant Dance: How Indigenous forms of Knowledge Impacted New Zealand's Re-conceptualization of Nuclear Energy Aaron Robert Jackson, Mississippi State University

Fresh Milk and Fresh Concern: Iodine-131 as a Known Danger of Nuclear Testing *Celia Oney, Oregon State University*

Standards for a Diverse Field: Therapeutic Isotopes, Imaging Technologies, and Discipline Building in Nuclear Medicine Johannes Mattes, University of Oslo; Sandra Klos, Austrian Academy of Sciences; Cécile Philippe, Medical University of Vienna

Chair:

Judy Johns Schloegel, Independent Scholar

058. Ecology

Contributed Paper Session

2:00 to 3:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria

South

Participants:

Indigenous Ecological Knowledges & Practices in South Asia–An Historical Assessment Baisakhi Bandyopadhyay, The Asiatic Society Kolkata India

The Reef as Rock: Developmentalism, Mining & Ecology in Sri Lanka, 1950-1998 *Kamil Ahsan, Yale University*

Snakes in Transitions: The Multiplicity of Knowledge and Flexible Species in a Wildlife Rescue Center in Hong Kong (1962- 2022) *Xin Xie, Chinese University of Hong Kong*

Interfaces between Environmental History and Agroecology for Teaching History in the Anthropocene Alfredo Ricardo Silva Lopes, Federal University of Santa Catarina State

Chair:

Robert Stuart Fyke, Ecole des Hautes Etudes en Sciences Sociales

059. Pedagogy as Historical Practice: Research, Course Design, and Revision in History of Science, Technology, and Engineering

Futures Roundtable 2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion Participants:

Social Groups and Stratification in the History of Engineering Science and its Pedagogy *Adelheid Voskuhl*, *University of Pennsylvania*

Design, Historical Practice, and Processing Everyday Life in the Engineering Classroom Jenna Tonn

History of Science in the STEM Classroom: Teaching Engineering Ethics through History Brittany Shields, University of Pennsylvania

The Engineer in the World: Introducing History of Engineering to STEM Students *Ryan Hearty, Johns Hopkins University*

Gaming History: Beyond "Historicizing" Technology Isabel Gabel, University of Chicago

060. Shifting Methodologies in Sexual Science: Sexology and the Human Sciences in South Asia Organized Session

2:00 to 3:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

Studying Science and Signs of Sex in Early Modern North India Sonia Wigh, Independent Scholar

Gender Appropriation Through Imagination in an Alternative Science of Sex Anuj Kaushal, University of Texas- Austin

The Not So "Noble Savage": Colonial Anthropology and the Construction of Pathology in Indian Sexual Science Arnav of Bhattacharya, University of Pennsylvania

Sexology, Confession, and the Racial Life of the Case History in Colonial India Rovel Sequeira, University of Michigan, Ann Arbor

Session Organizer:

Arnav of Bhattacharya, University of Pennsylvania Chair:

Caleb Shelburne, Harvard University

061. Experience and Expertise

Contributed Paper Session 2:00 to 3:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

To Learne without Booke: Experience and Pedagogy at the turn of 17th century England Jais Brohinsky, University of Wisconsin-Madison

"To be Discovered, or Distinguisht by the Taste":
Taste as Expertise in Eighteenth-Century Science
Alyssa Peterson, University of Texas at Austin

"To Learn of Bees, go to a Bee-Man": Science and Expertise in 19th-Century American Beekeeping Leah Malamut, University of Minnesota

Chair:

Ekaterina Babintseva, Purdue University

062. Science on the Farm

Contributed Paper Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Studio Participants:

Enlightened Livestock and Shepherding Science: The Applied Natural History of Louis-Jean-Marie Daubenton *Ann C Campbell, Indiana University Bloomington*

Farm to Diagram: Science, Mobility, and the Middle West in the Capital City *Vincent Femia, Princeton University*

Scientific Agriculture in India under British
Colonialism: A Study of Contradictions Sandipan
Baksi, Foundation for Agrarian Studies

Chair:

Gwen Kay, SUNY Oswego

063. Invaders!

Contributed Paper Session

4:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Broadway I/II Participants:

Shipworms and the Origins of Marine Invasive Theory Derek Lee Nelson, Fellow at the Consortium for History of Science, Technology, and Medicine; Everett CC

"The Utility of the Finny Tribe for the Eradication of Malaria": Fish, Mosquitoes, and Biological Control in India, 1909-1949 Lauren Killingsworth, Yale University

"The Wanderings of Plankton": What Diatoms out of Place Might Say about Ships Sal Suri, Harvard University

The "Biological Fight" Against Invasive Species in Argentina at the Beginning of the 20th Century. First Experiences, Debates, and Perspectives Alejandro Martinez, Universidad Nacional de La Plata

Chair:

Jessica Wang, University of British Columbia

064. New Perspectives on Coercive Labor in the History of Science

Futures Roundtable

4:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Broadway

Session Organizer:

Zachary Dorner, University of Maryland, College Park

Chair:

Kate Mulry, CSUB

Participants:

Patrick Anthony

Jody Arthur Benjamin, UC Riverside

065. Founder Effects and Disciplinary Memory in the History of Science and Linguistics

Organized Session 4:00 to 5:30 pm

Hilton Portland Downtown: 3rd Floor - Council

Participants:

Sound and Text: The Study of Phoneme and the Formation of Language Studies *Ku-ming (Kevin) Chang, Academica Sinica*

Medium, Genre, and Geopolitics in George Sarton's Disciplinary Projects *Alex Csiszar, Harvard University*

Linguistic Historiography Remembered and Remade Judith Kaplan, Consortium for History of Science, Technology and Medicine

Session Organizer:

Judith Kaplan, Consortium for History of Science, Technology and Medicine

Chair:

Kristine Palmieri, University of Chicago

Commentator:

Kristine Palmieri, University of Chicago

066. Parents and Personalities: Standardizing Children's Socioemotional Development in the 20th Century

Organized Session 4:00 to 5:30 pm

Hilton Portland Downtown: 3rd Floor - Directors

Participants:

Private Feelings, Public Domains: (White) Emotional Regimes and (Black) Emotional Refuges in U.S. Child Development Science, 1930s- 1950s Kelsey Henry, Yale University

Middle Care: Carework, Children and Child Development in Britain and the United States Sarah Knott, Indiana University Bloomington

Bad Mothers, Bad Media Hannah Zeavin, Indiana University

Dangerous Dissociation: Origins of violence,

childhood development, and the public good Angelica Barbara Clayton, Yale University

Session Organizer:

Angelica Barbara Clayton, Yale University Chair:

Ellen Herman, University of Oregon

067. Rethinking Medical Exchanges in the Early Modern World

Organized Session

4:00 to 5:30 pm

Hilton Portland Downtown: 3rd Floor - Forum Participants:

On Jesuits, Bezoars, and Other Healing Stones: Making Medical Knowledge Across Indo-Pacific Worlds, c.1700 Sebestian Kroupa, McGill University

Recovering Hidden Exchanges: Medical Cures and the Archive of Practice in Early Modern Europe Alisha Rankin, Tufts University

Communicating with Nature: Spirits, Vernacular Theories of Consciousness, and the Agency of Materia Medica in the Atlantic World, 1600-1770 Benjamin Breen, University of California, Santa Cruz

Of Vipers and Rabid Dogs: Climate, Venoms, and Disease Topographies in France *Thomas C Anderson, Yale University*

Session Organizer:

Alisha Rankin, Tufts University

Chair:

Harun Küçük, University of Pennsylvania

068. Public Health, Eugenics, and the Environment in Twentieth-Century Latin America

Organized Session

4:00 to 5:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

The School Laboratory for the Eugenic Study of Children (Argentina 1900-1920) Sabrina González, Washington State University Tri-Cities

A Fertile Ground for the Development of the Birth Control Pill: Syntex and Searle in Mexico, 1945-1956 Martha L Espinosa Tavares, Duke University

Urban Air Pollution and Public Health in Chile in the 1960s Andra B Chastain, Washington State University Vancouver

Session Organizer:

Andra B Chastain, Washington State University Vancouver

Chair:

Andra B Chastain, Washington State University

Vancouver

Commentator:

Gabriela Soto Laveaga, Harvard University

069. Observational Networks and the Social Domestication of the Weather and Climate in Latin America (Late 18th Century-Early 20th Century) Organized Session

Changered by Forum for the

Sponsored by Forum for the History of Science and Knowledge in Latin America

4:00 to 5:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

Walter Knoche and the Construction of Meteorological Expertise in Chile in the Early 20th Century Carlos Sanhueza-Cerda, Universidad de Chile

From Naturalist Observation to Networked Observatory: Ecuador as a Meeting Place of Humboldtian Science and Jesuit Expertise *Elisa* Sevilla, Universidad San Francisco de Quito

The Queerness of Humboldtian Science: The Sexual Ecology of Humboldtian Travel and Observation Networks *Gregory T. Cushman, University of Arizona*

To Discipline or to Trust? The Role of the Amateur's Observers in the Early Meteorological Networks in Chile (1852-1880) Stefan Meier, Pontificia Universidad Católica de Chile

Session Organizer:

Carlos Sanhueza-Cerda, Universidad de Chile Chairs:

Carlos Sanhueza-Cerda, Universidad de Chile Elisa Sevilla, Universidad San Francisco de Quito

070. GECC Women's Mentorship Event

Roundtable

4:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Park

Session Organizers:

Taylor Elizabeth Dysart, University of Pennsylvania

Mary Kate Wolken

Chair:

Ellie Louson, Michigan State University

Participant:

Iris Clever, University of Chicago

071. After Affirmative Action: The Future of Diversity in the History of Science

Sponsored Session - Committee on Diversity & Inclusion

4:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Presenters:

Evelynn Hammonds, Harvard University **Alexandra Hui**, Mississippi State University **Ahmed Ragab**, John Hopkins University

Chair:

Lois Ruby Rosson, The Huntington Library

072. Science, Anticommunism, and Democracy Organized Session

4:00 to 5:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

"The Last Outhouse in Siberia": Nuclear Strategy and Cold War Liberalism *Benjamin Wilson*, *Harvard University*

Socialist Geophysics: Indian Oil Technology in the Age of American Empire *Matthew Shutzer, Duke University*

Seeing Red: Biological Determinism and Anticommunism against Science Critique Nayanika Ghosh, Harvard University

Session Organizer:

Nayanika Ghosh, Harvard University

Chair:

Sebastián Gil-Riaño, University of Pennsylvania Commentator:

Perrin Selcer, University of Michigan

073. Why Study Sex with X? Epistemic and Practical Landscapes of Animal Sex within and beyond the Laboratory

Organized Session 4:00 to 5:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

Yo Kaname Okada and the Developmental Approach to Sex Kyra Elise Hoerr, University of Pittsburgh

Why Study Sex with Chicken: Masui Kiyoshi's Genetics Research and Biotechnological Ideal, 1915-1945 Kyoryen Hwang, Seoul National University

Why Study Sex with Medaka: Sexual States as Biological Indicators in Cold War Japan *Lijing Jiang, Johns Hopkins University*

"The Bulls that were Bred to be Cows": Between Cattle, Farmers, and Technology in the U.S Dairy Genetics Industry *Elspeth Gow, University of Pennsylvania*

Session Organizer:

Lijing Jiang, Johns Hopkins University Chair:

Michael Dietrich, University of Pittsburgh

074. Restorative Science

Contributed Paper Session 4:00 to 5:30 pm

Hilton Portland Downtown: 3rd Floor - Studio

Participants:

Defining Clean Water: Sensory and Chemical Water Analysis in Nineteenth-Century Colonial South Africa Kristin Brig-Ortiz, Johns Hopkins University

Engineering Eden: Ecological Restoration and Novel Ecosystems in Southern Iraq *Bennett Jarvis*

"Modern Science Will Touch This Region With Her Magic Wand:" Turn of the Century Hydrology and Ottoman Civilizing Missions *Daniel McAbee*, Columbia U grad

Changing Visions, Building Landscapes: Nanjido Landfill Restoration Project, 1999-2002. Sanghee Bae, Seoul National University

Chair:

Daniel Gibboney Jr, University of North Carolina at Chapel Hill

075. HSS Distinguished Lecture: Why William Harvey Went to Stonehenge: Anatomy, Antiquarianism, and National Identity

Plenary Session 6:00 to 7:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Presenter:

Anita Guerrini, Oregon State University, and University of California Santa Barbara

076. HSS Student and Early Career Scholar Reception

Reception 7:30 to 9:00 pm Brix Tavern

Organizers:

Taylor Elizabeth Dysart, University of Pennsylvania

Iris Clever, University of Chicago

077. Isis Advisory Board Meeting

Business Meeting 7:30 to 9:00 pm

Hilton Portland Downtown: 23rd Floor - Skyline I

Chairs:

Alexandra Hui, Mississippi State University **Matthew Lavine**, Mississippi State University

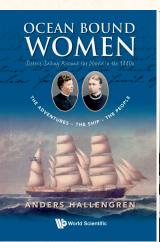
Participant:

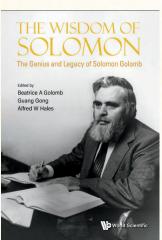
Marchelle Brain, HSS Editorial Office

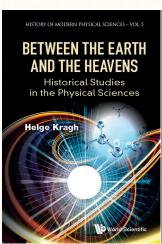


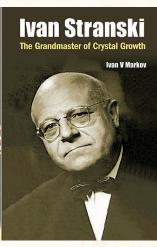
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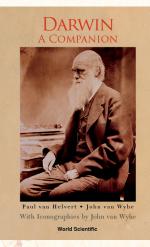
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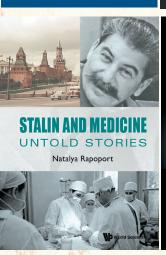


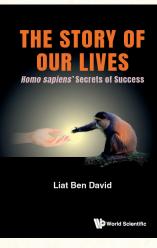


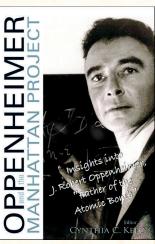


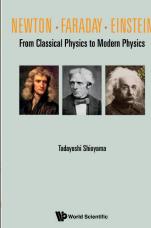


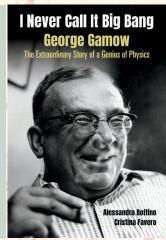














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SATURDAY, NOVEMBER, 11

078. HSS@Work Business Meeting

Business Meeting 7:30 to 8:45 am

Hilton Portland Downtown: Ballroom Level - Galleria

North Chair:

James Brannon, Independent Scholar

079. Women's Caucus Breakfast

Breakfast

7:30 to 8:45 am

Hilton Portland Downtown: 23rd Floor - Skyline I

080. Registration Day 3

8:00 to 6:00 pm

Hilton Portland Downtown: Plaza Level - Plaza Foyer

081. Exhibit Hall Day 3

9:00 to 6:00 pm

Hilton Portland Downtown: Plaza Level - Atrium

082. Unity and Interdisciplinarity in the Postwar Sciences

Organized Session 9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway I/II

Participants:

The Sciences of Unity: Designing, Defining, and Defending General System Theory, 1950-1970 Libby O'Neil, Yale University

Formulating Freedom: Quantitative Measures of Liberalism in the Cold War Sebastian Fernandez-Mulligan, Yale University

An Interdisciplinary Computing Science: Initiatives at the University of Michigan, 1960-1990 Sam H Franz, History and Sociology of Science, University of Pennsylvania

Session Organizers:

Libby O'Neil, Yale University

Sam H Franz, University of Pennsylvania

Chair:

Isabel Gabel, University of Chicago

Commentator:

Whitney Laemmli, Carnegie Mellon University

083. Follow the Bones: Siberian Mammoths and the Production of Knowledge, 1700-1900

Organized Session 9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway III/IV

Participants:

Debating Bones: 'Authenticity' and the Classification of Mammoths in the Eighteenth Century *Matthew Romaniello*. Weber State University

Climate of Collecting: Mammoth Remains and Eighteenth-Century Russian Geotheory *Anna*

Graber, University of Minnesota

Portrait of a Mammoth: The Adams Mammoth and its Likenesses *Rebecca Woods, University of Toronto*

Session Organizer:

Anna Graber, University of Minnesota Chair:

Lydia Barnett, Northwestern University Commentator:

Lydia Barnett, Northwestern University

084. Biomedical Frontiers in East Asia: Crisis, Governance, and Social Transformation

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Council Participants:

Calculated Meals: Quantitative Dietary Standard and the Rise of Nutritional Awareness at Japanese Home Kitchens, 1910s-1930s *Jing Sun, University of Pennsylvania*

"Perversion", "Diminished Capacity", and Female Homosexuality: Intertwining Sexuality, Psychiatry, and Law in the Tao-Liu Case, 1932 *Mingkang Hao, Duke University*

From Dentistry to Stomatology: The Disciplinary Formation of Dentistry in China, 1945-1959 Jinghong Zhang, The College of William & Mary

"Everything is Divided into Two:" Coming to Terms with Rational Use of Antibiotics in the Cultural Revolution *Yang Li, Princeton University*

Session Organizer:

Yang Li, Princeton University

Chair:

Yang Li, Princeton University

085. London Histories

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Directors Participants:

Influence of the Bills of Mortality in London, 1665

Veronica Tuthill

Creating Tools Against Epidemics—Smallpox in London 1721-1724: Immunization, Clinical Trials, and Mortality Statistics Robert G Frank Jr, UCLA School of Medicine & Department of History

London Medical Congress without Women MARIKO OGAWA, professor emerita

Chair:

David Spanagel

086. Categorising Humanity: Paper Tools and the Nascent Human Sciences

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Forum

Participants:

Seeing Data: The Visual Strategies of Joseph Priestley *Daniel Rosenberg, University of Oregon*

Deracialising Health: 'Africans', 'Europeans' and William Fergusson's Colonial Reports from Sierra Leone *Matthew Eddy, Durham University*

Race, Tribe and Nation in Franz Boas's Anthropometric Studies of Native Americans Staffan Mueller-Wille, Cambridge University

Silent Architects: Negotiating Categories in the German Commission for the Study of Native Law, c. 1907/08 *Anna Echterhölter, University of Vienna*

Session Organizer:

Matthew Eddy, Durham University

Chair:

Matthew Eddy, Durham University

087. Models, Texts, and Practices

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

Algorithmic Culture(s) in Babylonian Astronomical Procedure Texts *E.L. Meszaros, Brown University*

Perspectives on Remote Medical Consultation from the Seventeenth-Century Practice of Theodore Turquet de Mayerne Sheryl Anne Wombell, University of Cambridge

Diabetes and Misguided Models in the 19th Century Edward Beasley, San Diego State University

Societal Influences on Psychosurgery: Values Guiding its Adoption, Demise, and Return *Chris Zajner, University of Western Ontario*

Chair:

Michael Neuss, University of Pennsylvania, Perelman School of Medicine

088. Plant Knowledge

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

Boiling Jasmine Root: Articulated Technicalities of a Premodern Anesthetic Lan A Li, Johns Hopkins University

Changes in Methods and Theories: Tournefort, Antoine de Jussieu and the Universalisation of Botany *Elisabeth de Cambiaire*, *UNSW Alumni*

Indigenous Histories in Contemporary Herbalism: Appropriation and Relations *Macey Flood;*

Natasha Myhal, School of Environment and Natural Resources at The Ohio State University

Flower Commission: Social Dynamics of Flower Breeding Activities in Early Modern Istanbul Zeynep Kuleli Karasahan, Johns Hopkins University

Chair:

Prakash Kumar, Pennsylvania State University

089. GECC Welcome Room Day 3

9:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Park

090. The Making of Scientific Ableism

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Pavilion Participants:

Scientific Racism and the Discursive Limits of Ableism in Late Nineteenth and Early 20th Century America *Jenifer Barclay, University of Buffalo*

Racism, Ableism, and Albinism: Richard O. Marsh and Kuna People *Caroline Lieffers, King's University*

The Creation of an Ability-Disability Binary in the U.S. Posture Sciences *Beth Linker, University of Pennsylvania*

Session Organizer:

Beth Linker, University of Pennsylvania

Chair:

Jaipreet Virdi, University of Delaware

091. Slavery, Medicine, and Science in the Early Modern Mediterranean World

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

Berberisco Healers and Morisco Doctors: Medical Mobility across the Strait of Gibraltar (1530-1640) Ana Struillou, European University Institute

Slavery, Medicine, and Natural History in Sixteenth-Century Venice Valentina Pugliano, Massachusetts Institute of Technology

Slavery, Race, and the Body in the Early Modern Mediterranean *Angela Zhang, Harvard University*

Spaces of Encounter: Slavery, Medicine, and Natural Inquiry in Early Modern Tuscany *Lucia Dacome, University of Toronto*

Session Organizer:

Lucia Dacome, University of Toronto Chair:

Harun Küçük, University of Pennsylvania

092. Assessing Data

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

Hermann Rahn, Environmental Physiology, and the Afterlives of Sea Women's Physiological Data Alice Hong, Princeton University

Artificing Intelligence: Intelligence Testing as a Historical Condition for Artificial Intelligence, 1905-1950 Colin Koopman, University of Oregon

Metrics of Masculinity: Military Officer Selection Criteria and Gendered Constructions of Leadership in the U.S. Andi Johnson, University of Pennsylvania; Matthew McQuillan, University of Pennsylvania

How to Make an Industrial Personality Test in 20th Century Japan *Juhee Kang, Harvard University*

Chair:

Jeremy Blatter, Drew University

093. Uncertainty and Ignorance in Early Modernity Organized Session

Sponsored by the Early Science Forum 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Studio Participants:

Not Knowing Made Public: French Experimental Sciences, Conjectures, and Queries Catherine Abou-Nemeh, Victoria University of Wellington

Riskscapes in early Royal Society Rhetoric *Vera Keller*, *UO*

Mindful or Monotonous: Translation as an Uncertain Vocation *Duygu Yildirim, University of Tennessee* Session Organizers:

Mackenzie Anne Cooley, Hamilton College *Vera Keller*, UO

Chairs:

Paula Findlen, Stanford University

Commentator:

Florence Hsia. University of Wisconsin

094. Rethinking the History of Arctic Science in the 21st Century

Roundtable

11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Broadway I/II Participants:

What Can Transnational History of Arctic Science Teach Us About the Production and Dissemination of Knowledge? *Ronald Doel, Florida State University*

Legacy of the 1930s in the Arctic science: the Second IPY and multispecies history or the 'warming of the Arctic' *Julia Lajus, Columbia University*

Science as Arbitrator on Arctic Land-Use Issues: A

Historical Appraisal *Urban Wrakberg*, *Arctic University of Norway at Kirkenes*

Chair:

Barbara Kirsi Silva, Universidad Catolica de Chile Commentator:

Michael Bravo, Scott Polar Research Institute, University of Cambridge

095. Raced Science and Scientific Racism: The Production and Contestation of Human Difference from the Underground Railroad to British East Africa

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Broadway III/IV

Participants:

Phrenology on the Underground Railroad Rachel Walker, University of Hartford

"Scanning With a Glass the Crowd of Natives": Sensing Race in the Pacific World *Chris Blakley,* Chaffey College

Septic Violence: Blood, Race, and Medical Jurisprudence in Interwar British East Africa *Hilary Buxton, Kenyon College*

Session Organizer:

Chris Blakley, Chaffey College

Chairs

Chris Blakley, Chaffey College Suman Seth. Cornell University

096. Colonial Chemical Translations: South Asia and the Modern Chemical Sciences, 1850–1980

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Council

Participants:

Beyond the Laboratory: Forensic Toxicology and the Making of Medico-legal Specimens in 19th Century British India *Uponita Mukherjee*, Fordham University

The Chemists' University: Chemical-Economic Exchange at the Indian Institute of Science, 1909-25 Nikhil Joseph Dharan, History and Sociology of Science, University of Pennsylvania

Chemical Vernaculars: Chemistry, Bengali and the Shifting Politics of Vernacularity, c. 1900 – 1980 *Projit Bihari Mukharji, University of Pennsylvania*

Are the Elements and the Panchabhuta the Same (Thing)? Epistemic Objects between Science, Religion, and Philosophy in Colonial North India, c.1920 Charu Singh, University of Cambridge

Session Organizer:

Charu Singh, University of Cambridge

Lissa Roberts, University of Twente

097. Sex, Sexuality, and Selfhood

Contributed Paper Session

11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Directors Participants:

"Quick Eels in his Codpiece": The Embodiment of Non-Normative Manhood and Disability in Early Modern England *Annastasia Conner, University of Chicago*

"A Peculiar Fascination and Pleasure": Sexology, Normality, and Transvestism *Christopher Michael Rudeen, Harvard University*

Reinterpreting Deviant Sexuality: Protecting the Young from AIDS in an Emerging Digital Age *Queenie Ng*

Chair:

Cassia Roth, The University of Georgia

098. Networks of Knowledge & Exchange

Contributed Paper Session

11:00 to 12:30 pm Hilton Portland Downtown: 3rd Floor - Forum

Participants:

'The Fireblight Menace': Tracing Imperial Knowledge Networks, 1880-1939 *Kathryn Bruce, University of St Andrews*

"A Library of Microbes": The National Collection of Type Cultures, Imperialism, and Transnational Microbial Exchange, 1916-1923 *James Stark, University of Leeds*

Chair:

Pratik Chakrabarti, University of Houston

099. Authors Roundtable: Science & Politics

Authors Roundtable Session

11:00 to 12:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

Making the Green Revolution: Agriculture and Conflict in Colombia *Timothy Lorek, College of St. Scholastica*

The Big Myth: How American Business Taught Us to Loathe Government and Love the Free Market Naomi Oreskes, Harvard University; Erik Conway, California Institute of Technology

Authors Roundtable - Skepticism's Pictures: Figuring Descartes's Natural Philosophy *Melissa Lo, Getty Foundation*

Milk and Honey: Technologies of Plenty in the Making of a Holy Land *Tamar Novick, Max Planck Institute for the History of Science*

100. Building a Cohesive Career Narrative (HSS GECC Combined Tacit Knowledge and

Professionalization Workshop)

Roundtable

11:00 to 12:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria

South

Session Organizers:

Taylor Elizabeth Dysart, University of

Pennsylvania

Ellie Louson, Michigan State University

Participant:

Iris Clever, University of Chicago

101. "What Does a Scientist Look Like?": Historians of Science Reflect for #HSS100

Futures Roundtable

11:00 to 12:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Session Organizer:

Kathleen Sheppard, Missouri S&T

Participants:

Sarah Elizabeth Naramore, Northwest Missouri

State University

Alex Ratowt

John Stewart, University of Oklahoma

Meira Gold, Gallatin, NYU

Victor Monnin, University of Strasbourg

102. Evolution's Afterlives

Contributed Paper Session

11:00 to 12:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline II

Participants:

James's Darwin. Or, psychology, physiology, and pedagogical control. *Daniel Gibboney Jr, University of North Carolina at Chapel Hill*

Death's Infinite Possibilities: Darwin, Tennyson, and Gosse *Alan Rauch, UNC Charlotte*

The Transformation of Social Darwinism in China, 1895–1930 *Xiaoxing Jin, Illinois Institute of Technology*

Thinking Time: Darwin's Origin of Species and Temporal Imagination, 1870s-1910s *Elena Aronova, University of California, Santa Barbara*

Chair:

Rachel Mason Dentinger

103. Disaster Zones

Contributed Paper Session

11:00 to 12:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

Chronic Disaster and Disastrous Progress:
Earthquakes between Italy and Guatemala,
1717–1799 John Thomas Sullivan, Northwestern
University

Falling Sea Levels and Imagined Geographies in

the French Enlightenment Hanna Andrea Roman, Dickinson College

Indigenous Knowledge and American Intransigence at Rongelap Atoll after the 1954 Castle Bravo Fallout Disaster *Joshua McGuffie, Occidental College*

The Risk Perception Ridge: Carbon Capture and Sequestration risk assessment modelling between liability and acceptability. *Ana Luiza Nicolae, Harvard University*

Chair:

Samantha Muka, Stevens Institute of Technology

104. Natural History's Wars. Military Practices and the Power of Collecting, 1900–1945

Organized Session 11:00 to 12:30 pm

Hilton Portland Downtown: 3rd Floor - Studio Participants:

Access to Specimens. Names, Maps, and Catalogs as Technologies of Appropriation Catarina Madruga, Museum für Naturkunde Berlin, Humanities of Nature

Implicated Collections. Thinking Through Enmeshed Histories of War at the Museum für Naturkunde Berlin Anna Szöke, Museum für Naturkunde Berlin

On Spoliation. Second World War and the Power of Collecting *Ina Heumann, Museum für Naturkunde Berlin, Humanities of Nature*

Session Organizer:

Ina Heumann, Museum für Naturkunde Berlin, Humanities of Nature

Chairs:

Ina Heumann, Museum für Naturkunde Berlin, Humanities of Nature

Catarina Madruga, Museum für Naturkunde Berlin, Humanities of Nature

105. GECC Listening Session

Roundtable

12:45 to 1:45 pm

Hilton Portland Downtown: Plaza Level - Park

Session Organizer:

Taylor Elizabeth Dysart, University of Pennsylvania

Chair:

Iris Clever, University of Chicago

106. Rethinking Knowledge Production

Contributed Paper Session

2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Broadway I/II Participants:

Science and Empire: Jefferson's pursuit of Spanish knowledge on the American Southwest *Sandra*

Rebok, University of California in San Diego
Ritual as Technology: Histories of Science &
Medicine Beyond the Western Paradigm Rachael

The Measurement of Time Bernie Taylor
Historicizing the Science: In Search of Knowledge
Disposition in Digital Era Bo Young Oh

Chair:

Eileen Morgan, University of Notre Dame

107. Rethinking Vernacular and Scientific Knowledge about Nature in Southeast Asia

Hill, Cal Poly Pomona

Organized Session

2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Broadway III/IV

Participants:

Finding the Sweet Spot: Wild Bees, Indigenous Peoples, and the Historic Trade in Honey and Beeswax in Northern Vietnam *C. Michele Thompson, Southern Connecticut State University*

The Latin Babble: Colonial Botany and the Nomenclatural Vernacular *Kathleen Gutierrez, UC Santa Cruz*

Silencing the Birds of the Past: Vernacular Birding, Imperial Ornithology, and Habitat Destruction in Đại Nam and French Colonial Vietnam, 1820-1931 *Michitake Aso, University at Albany, SUNY*

Session Organizer:

Michitake Aso, University at Albany, SUNY Chair:

Michitake Aso, University at Albany, SUNY Commentator:

David Biggs, UC Riverside

108. Eugenics and Racial Science

Contributed Paper Session

2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Council Participants:

The Communal Creed: Eugenic Knowledge Production and the International Dissemination of Eugenics Abigail Grace Cramer, Kent State University

Inherited Landscapes: Imagery and Eugenics in the Sierra Nevada Margaret Maeve Spaulding, UCLA

The work of João Baptista de Lacerda (1846-1915): connections with evolutionary theories and scientific racism *Anderson Ricardo Carlos, University of Sao Paulo; Maria Elice de Brzezinski Prestes, University of Sao Paulo*

The Emergency: a Historian & an Anthropologist Investigate Modern Eugenics *Erik L Peterson*,

The University of Alabama; Lesley Jo Weaver, The University of Oregon

109. Home and Laboratory: The House of Experiment Revisited

Organized Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Directors Participants:

Between a Fossil and a Fireplace: Domestic Earth Science in Eighteenth Century Britain *Claire* Conklin Sabel, University of Pennsylvania

Harvest in the Home: Domestic Data Experiments in Nineteenth-Century Census Taking Christine von Oertzen, Max Planck Institute for the History of Science

Laboratory as Home: Norms of Child Development, Film Technology and the Middle-Class Home in the 1930s Carola Ossmer, University of Erfurt

Epistemic Candy: Deferred Rewards, Family Values, and Racial Inequality in Social Science, 1950–today Susanne Schmidt, Stanford University

Session Organizers:

Susanne Schmidt, Stanford University **Carola Ossmer**, University of Erfurt

Chairs:

Jenna Tonn Carola Ossmer, University of Erfurt

110. Revisiting Gender

Contributed Paper Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Executive Participants:

Butterflies through Bristol: Gender, Curiosity, and Collecting in an Atlantic Port City, c. 1700 *Michele Pflug, University of Oregon*

Contextualizing Sophia Jex-Blake's Use of Anonymous Self-Citation in Medical Women: A Thesis and a History (1886) Sarah Ghasedi, University of Washington

Entangled Crises: Energy and Masculinity in the 1970s Warren J. Dennis

Gender, Race, & Epistemic Justice in the Discovery of RNA Splicing *Pnina Abir-Am, Brandeis University*

Chair:

Veronica Tuthill

111. Capitalizing Commodity

Contributed Paper Session 2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Forum

Participants:

The Woman Electric: Women's Use of

Electrotherapy in 19th Century America Allison Love

Soap and the Beauty of American Democracy 1920-1950 *Che Yeun*

Coca Cola Presents: A Proctor & Gamble Production: The Case of Dr. Fred Stare *Travis Weisse*. New Mexico State University

Undertreated: Pain, Neuroscience, and the Origins of the Opioid Crisis *Matthew Soleiman*, *Department of History, University of California*, *San Diego*

Chair:

Christine Manganaro

112. Natural History in the Age of Revolutions

Organized Session

2:00 to 3:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

Portable Presses: Travelling Collectors, Circulating Specimens and Plants Preserved in Books *Anna Svensson*, *Uppsala University*

Empire, Interleaving and Indigenous knowledge in the emergence of the "Natural System" *Edwin Rose, Darwin College, University of Cambridge*

Duplicates: Nature and Artifacts in an Imperial Museum Gordon McOuat, University of King's College/Dalhousie University

Session Organizer:

Edwin Rose, Darwin College, University of Cambridge

Chair:

Edwin Rose, Darwin College, University of Cambridge

Commentator:

Staffan Mueller-Wille, Cambridge University

113. Science at the Zoo

Organized Session

2:00 to 3:30 pm

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

"An Immense Necropolis": Animal Life and Death at the Jardin des Plantes Claire Cage, University of South Alabama

Zoology after Wounded Knee: Settler Colonialism and the Search for "Behavior" in Zoos *Daniel Vandersommers*, *University of Dayton*

The Call of the Hoatzin: Ecology, Evolution, and Eugenics at the Bronx Zoo *Katherine Fenn McLeod, New York University*

The Buenos Aires Zoo, Acclimatization, and Immigration Debates in the Early 20th Century

McLeod, New York University

The Buenos Aires Zoo, Acclimatization, and Immigration Debates in the Early 20th Century Ashley Elizabeth Kerr, University of Idaho

Session Organizer:

Claire Cage, University of South Alabama Chair:

John Matthew Kinder, Oklahoma State University

114. Integrating Climate Change Narratives into **Known Histories: Workshopping the ONE New** Slide or ONE New Class Exercise

Futures Roundtable 2:00 to 3:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Alexandra Hui, Mississippi State University

Commentators:

Emily Pawley

Jessica Varner

Frederick R. Davis, Department of History, Purdue University

115. New Approaches to Nahua Science and **Epistemology**

Roundtable

2:00 to 3:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline II Session Organizer:

Marcy Norton, University of Pennsylvania Participants:

Mackenzie Anne Cooley, Hamilton College Kelly McDonough, The University of Texas at

Paula De Vos, San Diego State University Iris Montero, Brown University

Marcy Norton, University of Pennsylvania

116. Dossier as Denkstil: Biographies of Files

Organized Session 2:00 to 3:30 pm

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

In Their Place, Taking Up Space: Files and Bureaucracy in German East Africa Morgan Robinson, Mississippi State University

Academic Conversation: In the Margins and Between the Lines of a Seminar-File Christian Flow, Mississippi State University

"Au Nom de la Science": Inscriptions and Erasures in the Archive of Ballooning Meteorological Science Patrick De Oliveira, IE University

Concealment, Credibility, and Race at the US Mint in New Orleans, 1839 Ann Daly, Mississippi State University

Session Organizer:

Morgan Robinson, Mississippi State University Chair:

Morgan Robinson, Mississippi State University

117. Water Scarcity and Adaptation. Science, Technology and Society during the Cold War

Organized Session

2:00 to 3:30 pm

Hilton Portland Downtown: 3rd Floor - Studio Participants:

The Quandary of the Multipurpose Dam in Cold War Taiwan John Kanbayashi, University of Pennsylvania

Dreaming Vastness of Water. Chile's Innovation and Adaptation to Water Scarcity in the 1960s Fernando Purcell, Universidad Catolica de Chile; Barbara Kirsi Silva, Universidad Catolica de Chile

Hydro-expertise in the Cold War debate on (European) Modernity: Institutionalization of Water Agenda in the UN Economic Commission for Europe in 1960s and early 1970s Jiří Janáč, Institute of Contemporary History of the Czech Academy of Sciences

Water Scarcity, Data Poverty: Modeling Unruly Rivers in Mid-Century India Tathagat Bhatia, Massachusetts Institute of Technology

Session Organizer:

Barbara Kirsi Silva, Universidad Catolica de Chile Chair:

Barbara Kirsi Silva. Universidad Catolica de Chile

118. HSS Listening Session/Orientation

Plenary Session

4:00 to 5:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion Participants:

Evelynn Hammonds, Harvard University Gwen Kay, SUNY Oswego

Matthew Shindell, Smithsonian National Air and Space Museum

Alisha Rankin, Tufts University

Alexandra Hui, Mississippi State University Matthew Lavine, Mississippi State University

Chair:

Fa-ti Fan, Binghamton University

119. HSS Prize Ceremony

Plenary Session

6:00 to 6:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion Chairs:

Fa-ti Fan, Binghamton University Evelynn Hammonds, Harvard University

120. Sarton Medalist Interview: A Conversation with

Ted Porter

Plenary Session 6:30 to 7:30 pm

Hilton Portland Downtown: Plaza Level - Pavilion

Presenters:

Soraya de Chadarevian, University of California, Los Angeles

John Carson, University of Michigan Rebecca Lemov, Harvard University

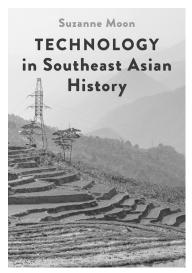
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Angeles

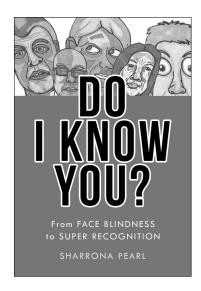
Chair:

David Sepkoski, University of Illinois

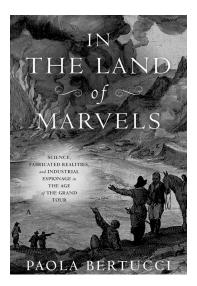
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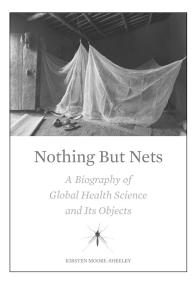
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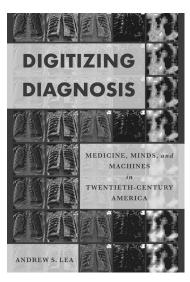
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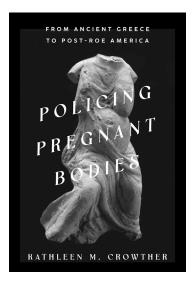
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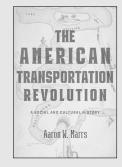


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SUNDAY, NOVEMBER, 12

122. HSS Business Meeting

Business Meeting 7:30 to 8:45 am

Hilton Portland Downtown: Plaza Level - Pavilion

Chair:

Fa-ti Fan, Binghamton University

Participants:

Evelynn Hammonds, Harvard University

Gwen Kay, SUNY Oswego

Matthew Shindell, Smithsonian National Air and

Space Museum

Alexandra Hui, Mississippi State University

Matthew Lavine, Mississippi State University

Alisha Rankin, Tufts University

John Paul Gutierrez, History of Science Society

123. Registration Day 4

8:00 to 11:00 am

Hilton Portland Downtown: Plaza Level - Plaza Foyer

124. Debating and Disseminating Science

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway I/II

Participants:

Galileo's Assayer (1623) in Context: The Controversy over the Comets of 1618 *Kraig J Bartel, University of Oklahoma*

The Science of Pelvimetry on Trial at the Paris Academy of Surgery *Margaret Carlyle, University* of British Columbia Okanagan

Science Periodicals, Knowledge, and Modernization in the First Half of the 19th Century Brazil *David Francisco de Moura Penteado, University of São Paulo*

All the Medicine That's Fit To Print: Medical Debates & Priorities in Wartime Istanbul *Christin Zurbach, University of California - Berkeley*

Chair:

Carla Bittel, Loyola Marymount University

125. Final Frontiers

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Broadway

D = ------

Participants:

History by the Light of the Moon: The Life and Legacy of Apollo Inspired Science Studies Matthew Shindell, Smithsonian National Air and Space Museum

Imagining space: speculative fiction and the origins of modern rocket science *Tom Lin, University of*

California, Davis

Searching for Answers at the End of the Earth Travis Carioscia, Montana State University

Thinking with the Mothership: Human-Machine Kinship in Outer Space *Reka Gal, University of Toronto*

Chair:

Amir Alexander, University of California, Los Angeles

126. Setting Standards in Genetics and Genomics: Diagnosis, Data Sharing Policies, and Reference Genomes, 1950s-Present

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Council Participants:

Blood, Sweat, and Diagnostics: The Persistence of the "Gold Standard" Sweat Test for Cystic Fibrosis Following the Availability of Genetic Testing Michelle LaBonte, Purdue University

Longevity through Flexibility: The "Bermuda Principles" for DNA Sequence Data Sharing, and How History Can Inform Science Policy Standards Kathryn Grace Maxson Jones, Purdue University

"Must be in General Good Health and Have no Family History of an Inherited Disease": Normalization, Disability, and the First Human Genome Reference Sequence Christopher Donohue, National Human Genome Research Institute

Session Organizer:

Kathryn Grace Maxson Jones, Purdue University hair:

Gregory J. Morgan, Stevens Institute of Technology

Commentator:

Gregory J. Morgan, Stevens Institute of Technology

127. Bodies and the Law in the Colonial Iberian World

Organized Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Directors

Participants:

The Latent Man: Fixing Sex to Anatomy and the Government of Reproductive Futurity *Patricia Martins Marcos*, *UCLA*

Medics, Enslaved Litigants, and the Construction of Disability in Late Colonial Lima, Peru *Adam Warren, University of Washington*

Of Traveling Wombs, Mothers, and Freedom: Enslaved Motherhood in the Eighteenth- and Session Organizer:

Elizabeth O'Brien. Johns Hopkins University Chair:

Elizabeth O'Brien, Johns Hopkins University

128. Shaping Standards

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Forum

Participants:

A New Standard for a New Science --Chronobiology Jole Shackelford, University of Minnesota

Diagrams and the Standardization of Human Movement in the Age of Enlightenment Tamara Caulkins, William O. Douglas Honors College, CWU

Which Standards for China? Three Visions of China's Metrological Future, 1870s-1920s Yi Ci Lo, NUS College, National University of Singapore

Standardizing Radiation Treatment for Brain Tumor Patients: a Canadian experience since 1947 Fedir Razumenko, University of Calgary

Dmitrii Blyshko, University of Houston

129. The Science of Silence: Constructing Cultural and Intellectual Understandings of Environmental Silence

Organized Session 9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria North

Participants:

Stillness and Secrets in Rattlesnake Country Whitney Barlow Robles, Dartmouth College

"Losing the Birds": The silence of endangerment and the senescence of science in the early-20th Century U.S. Alexandra Hui, Mississippi State University

World of Echo Mitchell Akiyama, University of **Toronto**

Constructing Stillness: Discerning Disturbances of the Natural and Built Surrounding Environments from Gravitational Waves Tiffany Nichols. Princeton University

Session Organizer:

Alexandra Hui, Mississippi State University

Tiffany Nichols, Princeton University

Commentator:

Jacob Hamblin, Oregon State University

130. Ordering Nature

Contributed Paper Session

9:00 to 10:30 am

Hilton Portland Downtown: Ballroom Level - Galleria South

Participants:

The Politics of Systematics in England, 1800-1850 Jordan Thomas Mursinna, University of California, Berkeley

The Urban Question in International Statistics Kristian Erickson Taketomo, University of Pennsylvania

Can You Tell the Difference Between a Stock Market Crash and a Black Hole? Julia Harriet Menzel, MIT History; Anthropology; Science, Technology, Society

Chair:

Jesse Garrison, University College London

131. GECC Welcome Room Day 4

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Park

132. Human and Social Sciences at the Computer Interface

Organized Session

Sponsored by the Forum for the History of Human Science

9:00 to 10:30 am

Hilton Portland Downtown: Plaza Level - Pavilion Participants:

Determining Races with Computers: William Howells and Multivariate Analysis in Postwar Physical Anthropology Iris Clever, University of Chicago

The Limits to Formalization: Logic, Embodiment, and Human Cognition at the University of Illinois in the 1960s-1970s Ekaterina Babintseva, Purdue University

Thinking Red, White, and Blue: Machine Political Intelligence in the 1980s National Security State Joy Rohde, University of Michigan

Operationalizing the Inner Life: On Facebook's Contagion Experiment of 2012 Rebecca Lemov, Harvard University

Session Organizer:

Ekaterina Babintseva, Purdue University

Stephanie Dick, Simon Fraser University

133. Between Image and Text: Standardization in **Forensic Science**

Organized Session 9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline II Participants:

Chirography on Trial: Race and Handwriting Analysis in the Cadet Whittaker Case Tory Jeffay, Chirography on Trial: Race and Handwriting Analysis in the Cadet Whittaker Case *Tory Jeffay, Dartmouth College*

Daubert for Sale: Corporate Strategy and the Standardization of Language Stacy E. Wood, UCLA Center for Critical Internet Inquiry

I the Undersigned: When a Signature can be a Person *Kris Fallon, UC Davis*

Afterlives of Evidence Kelli Moore, NYU

Session Organizer:

Tory Jeffay, Dartmouth College

Chair:

Stacy E. Wood, UCLA Center for Critical Internet Inquiry

134. Reproductive Science and Politics Across Species

Organized Session 9:00 to 10:30 am

Hilton Portland Downtown: 23rd Floor - Skyline III Participants:

Reproduction beyond Humanity: The 1970s

Emergence of Personhood for Animals and the Environment Anin Luo, Princeton University

"The Other Population Explosion": White Saviors, Science, Animal Activism, and Reproductive Control Across Species *Kat Poje, Harvard University*

"All Hail the Menstruating Monkey": Rhesus Monkeys, Racial Imaginaries, and Cold War Geographies of Reproductive Science *Tara Suri*

Session Organizer:

Kat Poje, Harvard University

Chair:

Rebecca Woods, University of Toronto

135. Remembering Nancy Gutman Slack, (1930-2022) Historian of Botany, Women, and Creative Couples

Roundtable 9:00 to 10:30 am

Hilton Portland Downtown: 3rd Floor - Studio

Session Organizer:

Pnina Abir-Am, Brandeis University

Participants:

Jean Thomson Black, Yale University Press Marilyn Ogilvie, University of Oklahoma Frederick R. Davis, Department of History, Purdue University

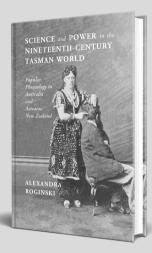
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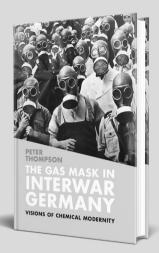
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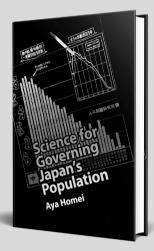


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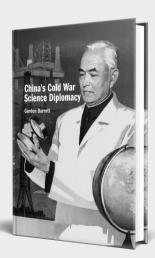
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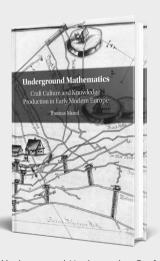
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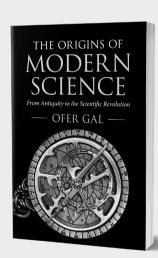


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Virtual Festival

SATURDAY, DECEMBER, 9

136. American Technology and Shifting Energy Hierarchies in Rural East Asia

Organized Session 9:00 to 10:30 am Virtual Festival: Room 1

Participants:

American Technology and Japanese le system: How Washing Machines Spread to Rural Japan in the 1960s *Fumi Iwashima, Kyoto University*

Highways in the Sky: South Korea's Labor Mobilization for Road Network Construction and Highland Energy Extraction, 1953-1965 *Jaeyoung Ha, UC San Diego*

'From Water Buffalo to Iron Buffalo': Farm Mechanization and Child Rearing in Postwar Taiwan *William Sack, Harvard University*

Session Organizer:

William Sack, Harvard University

Chair

Deborah Fitzgerald, Massachusetts Institute of Technology

Commentator:

Deborah Fitzgerald, Massachusetts Institute of Technology

137. Diagnostic Practices

Contributed Paper Session 9:00 to 10:30 am
Virtual Festival: Room 2

Participants:

Childhood as Pathology: Constructing the 'Normal' Child in Colonial Bombay, 1920- 1950 *Pranjali Srivastava, Jawaharlal Nehru University, New Delhi, India*

Site of Encounter Between the Indigenous and Modern: Eye Care in Nineteenth-Century Colonial Madras Presidency Chandra Sekhar Reddy Tugutla, Indian Institute of Technology Madras

The Asynchrony of Law and Psychiatry: Exploring the Diagnostic Processes and Challenges in Applying the Concept of Mental Illness in Judicial Practice during the Republican Period in China Haoyu Meng, Tsinghua University

Chair:

Anne Ricculli, Morris Museum

138. Pliny at the Bimillennium: Pliny and the Limits of Empire

Organized Session 11:00 to 12:30 pm Virtual Festival: Room 1

Participants:

The Elder Pliny's Debt to Pomponius Mela *Georgia L Irby, William and Mary*

Pliny's African Sources: Local Knowledge, Resistance, and Epistemic Resilience in the Natural History Molly Ayn Jones-Lewis, University of Maryland, Baltimore County

Pliny the Elder's Taxonomies and the Organization of Science *Anna Anguissola, University of Pisa*

Session Organizer:

Courtney Roby, Cornell University

Chair:

Courtney Roby, Cornell University

Commentator:

Courtney Roby, Cornell University

139. Sites of Science

Contributed Paper Session 11:00 to 12:30 pm Virtual Festival: Room 2

Participants:

Resisting Marginality: Tribal Healing Practices and Western Medicine in Chotanagpur and Santhal Parganas, India Indranil Pramanik, Indian Institute of Technology Madras

Between the Scientific and the Domestic: Anna Sundström's Work in Berzelius' House (1819-1835) Sarah Hijmans, Laboratoire SPHERE - Université de Paris

Developing Skills to Expertise: Technology and Labor of Rubber Industry in Socialist China Shiyi Teddy Xiang, Journal of Academic Research (Xueshu Yanjiu), Guangdong Social Sciences Association

Prepping the Soil: Scientific Manuring Practices in Bihar in the Early 20th century *Preeti, BHU, Varanasi, India*

Chair:

Andrew Fiss, Michigan Technological University

140. Framing Scientific Practice

Contributed Paper Session 2:00 to 3:30 pm Virtual Festival: Room 1

Participants:

Serbian-American Physicist Michael Pupin's Interwar Writing on Electricity and the Eastern Orthodox Image of Light *Alex Pavuk, Morgan State University*

Combating Famine, Improving Empire: Botanical Science in a Colonial Context c. 1765-1800 Baijayanti Chatterjee, Assistant Professor

Jumping to the Future We Can(not) See: Early
Artificial Intelligence Imagination of Technicians in
China (1950-1980s) *Qing Xiao, University of*

Oxford; Tianren Luo, Fudan University; Jiyi Yang, Nankai University; Jingjia Xiao, Fudan University "Too Strict or Too Lax"?: IAEA and the Evolution of Radiation Protection Standards Kapil Patil; Maria Rentetzi

141. Rethinking Historical Sources

Contributed Paper Session 4:00 to 5:30 pm Virtual Festival: Room 1

Participants:

Im/practical Mathematics: Reading Arabic Chess Manuals *Julia Tomasson, Columbia University*

The Parrot in the Picture: Biogeographical Knowledge as a Decolonization Tool in Visual Culture Studies *Deniz Martinez, independent* scholar

Poxes, Plagues and Papers: The Global Histories of Vaccination Documentation *Aparna Nair, University of Toronto*

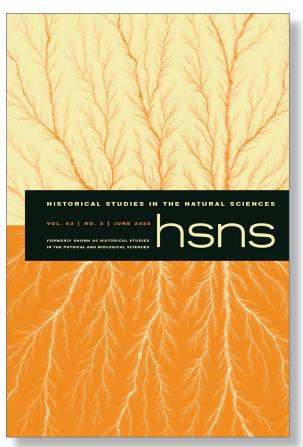
Singing Songs of HSS: Joking about the Standards of the Discipline, 1960s-1980s *Andrew Fiss, Michigan Technological University*

142. Regimes of Ownership of Knowledge: Naming, Performance and Use as Knowledge Ownership Practices

Roundtable 4:00 to 5:30 pm Virtual Festival: Room 2 Session Organizers:

> Annapurna Mamidipudi, TU Berlin Dagmar Schaefer, MPIWG Viren Murthy, University of Wisconsin Madison Vivek Oak, Handloom Futures Trust, India

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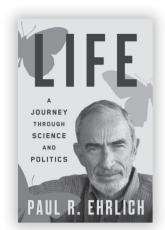
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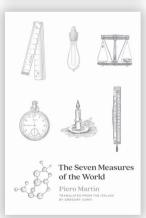
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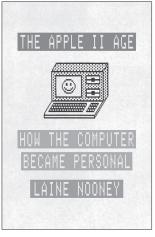
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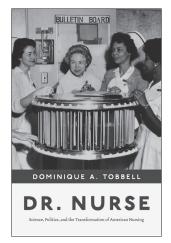
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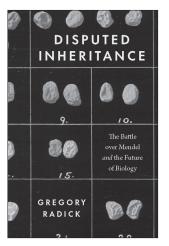


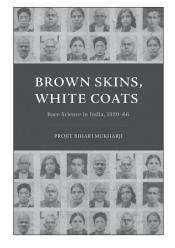


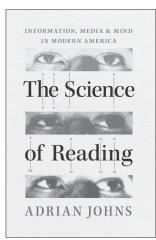


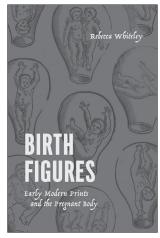












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