

HSS 2007 Program Overview

Room Number Overview does not include noon-time and evening functions. Please refer to page 16 for these events.

Rooms

Salon 1 – *First Floor*
 Salon 2 – *First Floor*
 Salon 3 – *First Floor*
 Salon 4 – *First Floor*
 Salon 5 – *First Floor*
 Salon 6 – *First Floor*
 Salon H – *First Floor*
 Salon J – *First Floor*
 Salon K – *First Floor*

Jackson – *Lobby Level*
 Jefferson – *Lobby Level*
 Lee – *Lobby Level*
 Madison – *Lobby Level*
 McLean – *Second Floor*
 Arlington Ballroom
 (Salon 3 & 4) – *First Floor*
 Arlington Foyer – *First Floor*

Thursday, 5:30 p.m. - 7:30 p.m.

Concurrent Sessions

SALON 1

Co-Plenary: Science & Cinema: Audio-Visual Science Pedagogy and Experiments
 on Film in the Twentieth Century

SALON 2

Co-Plenary: Polar History: Perspectives on Globalization in the Geosciences

Friday, 9:00 a.m. - 11:45 a.m.

Concurrent Sessions

SALON 1

The Silver Anniversary of Women
 Scientists in America, 1

SALON 2

Analysing Microscopes

SALON 5

1968: Science in the Counterculture

SALON 6

Thinking about the History of
 Space Science

SALON H

Problematical History of Aristotle's

SALON J

Science on the Brink

SALON K

Government and the
 Earth Sciences

JACKSON

The Mindful Hand

JEFFERSON

Astrology at the Eve of Modernity

LEE

Epistemic Civilizations

MADISON

Interpreting Quantum Mechanics: A
 Century of Debate



Friday, 1:30 p.m. - 3:10 p.m.

Concurrent Sessions

SALON 1

Science and Its Publics

SALON 2

Reconciling Science and Religion

SALON 3

Revisiting Early Modern Astronomy

SALON 5

**Medicine and Society in the 20th
Century**

SALON 6

**Cloning, Stem Cells, and Expertise in
Science**

SALON H

**Popular Representation of 20th-Cen-
tury Science**

SALON J

Sputnik

SALON K

**Translation and Communication of
Knowledge**

JACKSON

**Cultures of Natural Knowledge in
Islam**

JEFFERSON

The Peirces of Boston

LEE

**Science and Place in the 18th and 19th
Centuries**

MADISON

National Contexts in Science

HSS Overview Rooms

Friday, 3:30 p.m. - 5:30 p.m.

Concurrent Sessions

SALON 1

**Regionalism in Science and
Medicine**

SALON 2

The End of Science

SALON 3

Media and Appropriation

SALON 5

The Elephant in the Room

SALON 6

On the Origins of Botanical Gardens

SALON H

The Uses of New World Nature

SALON J

**The Practical Sciences of Maps and
Measurement**

SALON K

Critics of Scientific Naturalism

JACKSON

**Laboratories, Fascism and the Land-
scape**

JEFFERSON

**Sketches from the History of Russian
Ecology, 1830-2000**

LEE

Mathematics in the 17th Century

MADISON

Archeus in Machina

Saturday, 9:00 a.m. - 11:45 a.m.

Concurrent Sessions

SALON 1

Environmental Science

SALON 2

Going Global?

SALON 3

Reading the Earth's History

SALON 5

New Advances in the History of Science
and Medicine

SALON 6

Mathematical Sciences and Natural
Philosophy in Antiquity
and the Middle Ages

SALON H

Nature's Marketplace

SALON J

War, Peace and Mathematics

SALON K

University Teaching and Scholarship
in 17th-Century Europe

JACKSON

Exploring the History of Women in
Science

JEFFERSON

Material Culture and the Circulation
of Knowledge

MADISON

The Birth of Biomechanics

Saturday, 1:30 p.m. - 3:10 p.m.

Concurrent Sessions

SALON 1

Drawing Boundaries: Mathematicians,
Einstein
and the Unification Project

SALON 2

Angels and Machines

SALON 3

Science on Display

SALON 5

Science in the Cold War

SALON 6

Pre-Modern Transmission and Trans-
lation

SALON H

Eugenics in Theory and Practice

SALON J

Twentieth-century Psychology and
Neurology

SALON K

Radiation in Science and Society

JACKSON

Twentieth-Century Ecology

JEFFERSON

Pedagogy and Popularization

LEE

Biochemistry and Biomedical Re-
search

MADISON

Science of Life Insurance, Science of
Society



Saturday, 3:30 p.m. - 5:30 p.m.

Concurrent Sessions

SALON 1

The Battles of Hearts and Minds

SALON 2

**Investigating Laboratory Life: New
Historiography**

SALON 5

**Social Science and the Crises of
American Liberalism**

SALON 6

After the Fall

SALON H

**Science and Political Economy in the
Atlantic Empires of
England and Spain**

SALON J

New Perspectives on the Asylum

SALON K

Beyond Einstein

JACKSON

**The Laity Takes On Medical
Expertise**

LEE

**Artisans and Philosophers in Early
Modern Europe**

MADISON

**Medicine, Religion and Society in the
Islamic World**

HSS
Overview
Rooms

Sunday, 9:00 a.m. - 11:45 a.m.

Concurrent Sessions

SALON 1

**Celebrating the Leonhard Euler Ter-
centenary**

SALON 2

**Early Modern Method and Natural
Philosophy**

SALON 5

**Physics in the Late Nineteenth and
Twentieth Centuries**

SALON 6

**Ways of Seeing in Nineteenth-century
Life Science**

SALON 3

Field Geographies

SALON J

Illuminated Visions

SALON K

**Science Education in the Nineteenth-
century**

JACKSON

**The Rise of Modern Biological Subspe-
cialties**

JEFFERSON

**Immunology, Toxicology,
Epidemiology**

LEE

Origins of the Human Sciences

MADISON

Women's Places in Science

Thursday, 1 November

1:00 p.m. - 5:00 p.m.

HSS Council Meeting*Salon 5*

5:30 p.m. - 7:30 p.m.

**Co-Plenary: Science & Cinema: Audio-Visual Science Pedagogy and Experiments
on Film in the Twentieth Century***Salon 1***Co-Plenary: Polar History: Perspectives on Globalization
in the Geosciences***Salon 2*

7:30 p.m. - 8:30 p.m.

Welcome Orientation for First-time Attendees*Salon 5***Opening Reception (Cash Bar)***Salon 4 & Assembly Area*

8:00 p.m. - 10:00 p.m.

Chemical History Interest Dinner

Willow Restaurant, 4301 N. Fairfax Drive, Arlington, VA

Friday, 2 November

7:30 a.m. - 8:45 a.m.

Women's Caucus Business Meeting*Salon 1*

9:00 a.m. - 11:45 a.m.

(Coffee Break, Exhibit Area - 10:00 a.m. - 10:15 a.m.)

Government and the Earth Sciences*Salon K***Epistemic Civilizations: The Problem of Asia in Contemporary
Science Studies***Lee***Interpreting Quantum Mechanics: A Century of Debate***Madison***Astrology at the Eve of Modernity***Jefferson***Science on the Brink: Confronting Extinction before
the Endangered Species Act***Salon J*



The Silver Anniversary of Women Scientists in America, 1 (1982-2007): Reception, Impact, Ramifications for the Future *Salon 1*

Analysing Microscopes: Images, Techniques, Procedures *Salon 2*

Thinking about the History of Space Science *Salon 6*

The Problematical History of Aristotle's "Mechanical Problems" *Salon H*

1968: Science in the Counterculture *Salon 5*

The Mindful Hand *Jackson*

Friday, 12:00 p.m.– 12:30 p.m.
Business Meeting for the Forum for the History of Science in America *Salon 2*

12:00 p.m.– 1:15 p.m.
Panel Discussion: Scientific Biography: Constructing the Human Element in the Production of Science *Salon 1*

Philadelphia Area Center for the History of Science Reception and Information Session

Babak Ashrafi, director of the new center, will discuss programs, fellowships and other resources. <http://www.pachs.net> *Salon H*

Graduate Student and Early Career Caucus Meeting *Salon J*

Mathematical Luncheon *Salon 5*

12:00 p.m. - 2:00 p.m.
Nominating Committee Lunch *McLean*

12:30 p.m. - 1:15 p.m.
The American Institute of the History of Pharmacy Presentation of the 2006 AIHP George Urdang Medal to Jole Shackelford for his Book *A Philosophical Path for Paracelsian Medicine* *Salon K*

Distinguished Scientist Lecture for the Forum for the History of Science in America
Vera Rubin, Carnegie Institution of Washington "TELESCOPES, GALAXIES, AND WOMEN: A LIFE IN SCIENCE" *Salon 2*

Friday, 1:30 p.m. - 3:10 p.m.

**Translation and Communication of Knowledge: Practice
and Theory in Early Modern Europe**

Salon K

**Sputnik: A Re-assessment of Its Impact on
American Science and Society**

Salon J

**Science and Its Publics at the American Museum
of Natural History**

Salon I

Popular Representation of 20th-Century Science

Salon H

Reconciling Science and Religion

Salon 2

Medicine and Society in the 20th Century

Salon 5

Science and Place in the 18th and 19th Centuries

Lee

Cloning, Stem Cells, and Expertise in Science

Salon 6

Revisiting Early Modern Astronomy

Salon 3

Cultures of Natural Knowledge in Islam

Jackson

**The Peirces of Boston: Snapshots of Science in
19th-Century America**

Jefferson

National Contexts in Science: The Case of Italy

Madison

(Coffee Break, Exhibit Area - 3:10 p.m. - 3:30 p.m.)

3:30 p.m. - 5:30 p.m.

**Archeus in Machina: That Other Mechanical Philosophy in the
Seventeenth Century**

Madison

Media and Appropriation

Salon 3

Regionalism in Science and Medicine in Nineteenth-Century America

Salon 1

Laboratories, Fascism and the Landscape

Jackson

On the Origins of Botanical Gardens: Place, Patronage, and Purpose

Salon 6



**The Uses of New World Nature: *Materia medica* and the Circulation of Knowledge
in the Early Modern Spanish Atlantic World** *Salon H*

The End of Science *Salon 2*

**The Elephant in the Room: Finding a Place for the
NIH in Biomedical History** *Salon 5*

Sketches from the History of Russian Ecology, 1830-2000 (F36) *Jefferson*

Critics of Scientific Naturalism *Salon K*

**The Practical Sciences of Maps and Measurement: Surveying, Navigation and
Natural Resources in Britain and the United States, 1750-1860** *Salon J*

Mathematics in the 17th Century *Lee*

Friday, 5:45 p.m. - 6:15 p.m.
Earth and Environment Forum Meeting *Salon 2*

6:00 p.m. - 7:30 p.m.
HSS Reception *Arlington Ballroom & Foyer*

6:30 p.m. - 7:30 p.m.
Abrams Prize Reception *Salon K*

7:00 p.m. - 7:30 p.m.
Bacon Prize Reception *Salon 2*

7:00 p.m. - 8:30 p.m.
University Of California Press Reception *Salon J*

7:30 p.m. - 8:30 p.m.
NSF Grant Workshop
**Fred Kronz and other representatives of the science
and society programs** *Madison*

7:30 p.m. – 9:30 p.m.

**Cartoon Medicine Show: Rare Animated Cartoons from the Collection of the
National Library of Medicine**

Salon 1

Teaching the History of “Science in Nonwestern Cultures”

Salon H

9:30 p.m. – 11:00 p.m.

Graduate Student Party

Salon K

Saturday, 3 November

7:30 am - 8:45 am

Osiris Editorial Board Meeting

Mclean

Committee on Honors and Prizes/Committee on Education *Terrace Restaurant*

Forum for the History of Science in America Steering Committee

TBA

9:00 – 11:45 am

(COFFEE BREAK, EXHIBIT AREA - 10:00 A.M. - 10:15 A.M.)

**New Advances in the History of Science and Medicine in
Modern China (S1)**

Salon 5

University Teaching and Scholarship in 17th-Century Europe

Salon K

War, Peace and Mathematics:

The Decision Sciences, 1937-1965

Salon J

Environmental Science as Industrial Research

Salon 1

Going Global? Migrating Germans and Their Sciences, 1800-1950

SALON 2

**Reading the Earth’s History: Geology, Chronology, and Paleontology,
1700-1900**

Salon 3

**Nature’s Marketplace: Commerce and Natural History in the
Long Eighteenth Century**

Salon H

**The Birth of Biomechanics: Engineering the Body in Modern Austria,
Germany, and the United States**

Madison



Mathematical Sciences and Natural Philosophy in Antiquity and the Middle Ages	<i>Salon 6</i>
Exploring the History of Women in Science	<i>Jackson</i>
Material Culture and the Circulation of Knowledge in the Early Modern Low Countries	<i>JEFFERSON</i>
Saturday, 12:00 p.m.– 12:30 p.m.	
Forum for the History of Human Sciences Business Meeting	<i>Salon 2</i>
12:00 p.m.– 1:15 p.m.	
Working Knowledges Before and After c. 1800: Practices and Disciplines in the History of Science, Technology and Medicine	<i>Salon H</i>
Sources for the History of Science and Medicine – New Perspectives	<i>Salon J</i>
Recalling the “Prehistory” and Early Days of Women Scientists in America, 1: (WSA-1): Who Helped, Who Hindered, Who Stood by, and Where are We Today?	<i>Salon 1</i>
12:30p.m. - 1:15 p.m.	
Forum for the History of Human Sciences Distinguished Lecture	<i>Salon 2</i>
1:30 p.m.- 3:10 p.m.	
Angels and Machines: Theology and Mechanical-Material Cultures in Early Modern Europe	<i>Salon 2</i>
Radiation in Science and Society	<i>Salon K</i>
Biochemistry and Biomedical Research	<i>Lee</i>
Science on Display	<i>Salon 3</i>
Twentieth-Century Ecology	<i>Jackson</i>
Pedagogy and Popularization	<i>Jefferson</i>
Science in the Cold War	<i>Salon 5</i>

Eugenics in Theory and Practice	<i>Salon H</i>
Pre-Modern Transmission and Translation	<i>Salon 6</i>
Twentieth-century Psychology and Neurology	<i>Salon J</i>
Drawing Boundaries: Mathematicians, Einstein and the Unification Project	<i>Salon 1</i>
Science of Life Insurance, Science of Society	<i>Madison</i>
(Coffee Break, Exhibit Area - 3:10 p.m. - 3:30 p.m.)	
Saturday, 3:30 p.m. 5:30 p.m.	
Artisans and Philosophers in Early Modern Europe	<i>Lee</i>
Investigating Laboratory Life: New Historiography	<i>Salon 2</i>
After the Fall: Science and Politics During the Early Years of the Max Planck Society	<i>Salon 6</i>
The Battles of Hearts and Minds: Scientists and the Cold War State	<i>Salon 1</i>
Beyond Einstein: Contextualizing the Theory of Relativity	<i>Salon K</i>
The Laity Takes On Medical Expertise: Contests Over Gender and Health in Postwar America	<i>Jackson</i>
Science and Political Economy in the Atlantic Empires of England and Spain	<i>Salon H</i>
Medicine, Religion and Society in the Islamic World	<i>Madison</i>
New Perspectives on the Asylum, 1800-1990	<i>Salon J</i>
Social Science and the Crises of American Liberalism, 1900-1950	<i>Salon 5</i>
5:30 p.m. - 6:30 p.m.	
Cash Bar Reception	<i>Arlington Foyer</i>



6:30 - 7:30 p.m.

History of Science Society Distinguished Lecture

Theodore M. Porter (University of California, Los Angeles)

Salon 3

7:30 p.m. - 8:00 p.m.

Announcement of Society Prizes

Salon 3

8:00 p.m. - 10:00 p.m.

Society Dinner

Salon 5 & 6

Sunday, 4 November

8:00 a.m. - 9:00 a.m.

HSS Business Meeting

Salon B

9:00 a.m. - 11:45 a.m.

(COFFEE BREAK, EXHIBIT AREA - 10:00 A.M. - 10:15 A.M.)

**Field Geographies: Situating Field Sciences in Physical Places
and Social Spaces**

Salon 3

Celebrating the Leonhard Euler Tercentenary

Salon 1

Women's Places in Science

Madison

Early Modern Method and Natural Philosophy

Salon 2

Physics in the Late Nineteenth and Twentieth Centuries

Salon 5

Origins of the Human Sciences

Lee

Ways of Seeing in Nineteenth-century Life Science

Salon 6

Immunology, Toxicology, Epidemiology

Jefferson

Science Education in the Nineteenth-century

Salon K

The Rise of Modern Biological Subspecialties

Jackson

**Illuminated Visions: Artificial Light and Perception in
Nineteenth-century Britain**

Salon J

HSS 2007 Program Schedule

Rooms

Salon 1 – *First Floor*

Salon 2 – *First Floor*

Salon 3 – *First Floor*

Salon 4 – *First Floor*

Salon 5 – *First Floor*

Salon 6 – *First Floor*

Salon H – *First Floor*

Salon J – *First Floor*

Salon K – *First Floor*

Jackson – *Lobby Level*

Jefferson – *Lobby Level*

Lee – *Lobby Level*

Madison – *Lobby Level*

McLean – *Second Floor*

Arlington Ballroom

(Salon 3 & 4) – *First Floor*

Arlington Foyer – *First Floor*

Note: Lobby Level below First Floor

(* indicates session organizer)

Note: Session numbers taken from Preliminary Program

THURSDAY, 1 NOVEMBER

1:00 p.m. - 5:00 p.m.

HSS Council Meeting

Salon 5

5:30 p.m. - 7:30 p.m.

CO-PLenary: SCIENCE & CINEMA: AUDIO-VISUAL SCIENCE PEDAGOGY AND EXPERIMENTS ON FILM IN THE TWENTIETH CENTURY

Salon 1

Oliver Gaycken, *Temple University*, “A Modern Cabinet of
Curiosities: George Kleine and the Educational Film”

Tania Munz, *Max Planck Institute for the History of Science*,
“Lessons from the Hive: Nazi Educational Film and Karl von
Frisch’s Portrayal of the Drones”



***Hanna Rose Shell**, *Society of Fellows, Harvard University*,
“Chameleonic Cinema: Filming the Science of Strategic Concealment”
Nasser Zakariya, *Harvard University*, “NOVA and the Science of
History”

Commentator: **Peter Galison**, *Harvard University*

Chair: **Hanna Rose Shell**, *Harvard Society of Fellows*

CO-PLENARY: POLAR HISTORY: PERSPECTIVES ON GLOBALIZATION IN THE
GEOSCIENCES

Salon 2

C. Stewart Gillmor, *Wesleyan University*, “Ecllosion, Synthesis,
Conjugacy and Symmetry: Lessons from the History of Polar Research”

Fae Korsmo, *National Science Foundation*, “Experiments in
Concert: Advocacy, Agenda Setting and the IGY”

F. Sherwood Rowland, *University of California Irvine*,
“Stratospheric Ozone Depletion, Greenhouse Gases and the IGY”

Stephen J. Pyne, *Arizona State University*, “IGY: Announcing a
Third Great Age of Discovery”

Chair and Commentator: ***James R. Fleming**, *Colby College*

HSS
Thursday

7:30 p.m. - 8:30 p.m.

WELCOME ORIENTATION FOR FIRST-TIME ATTENDEES

Salon 5

OPENING RECEPTION (CASH BAR)

Salon 4 and Assembly Area

Thursday, 8:00 p.m.– 10:00 p.m.

CHEMICAL HISTORY INTEREST DINNER

Willow Restaurant, 4301 N. Fairfax Drive, Arlington, VA

\$40 per person; special \$20 rate for students

For more details and to register for the dinner online, go to <http://www.chemheritage.org>.

FRIDAY, 2 NOVEMBER

Friday, 7:30 a.m.- 8:45 a.m.

Women's Caucus Business Meeting*Salon 1* (Graduate students and independent scholars free)

Friday, 9:00 a.m. - 11:45 a.m.

(COFFEE BREAK, EXHIBIT AREA - 10:00 A.M. - 10:15 A.M.)

GOVERNMENT AND THE EARTH SCIENCES*Salon K***David I. Spanagel**, *Worcester Polytechnic Institute*, "Imperialism, Piracy, and Science Upon the High Seas in the 1700s"**Peter L. Guth**, *U.S. Naval Academy*, "Earth Science Research and the U.S. Military in the Mid 19th Century"**Adrienne Mayor**, *Stanford University*, "Fossils in Native American Lands: Whose Bones, Whose Story?"**Ellen Bales**, *University of California, Berkeley*, "About as Safe as You Make it: Risk, Rhetoric, and Practice in American Uranium Mining, 1950-1970"Commentator: **Naomi Oreskes**, *University of California, San Diego*Chair: ***Kerry Magruder**, *University of Oklahoma***EPISTEMIC CIVILIZATIONS: THE PROBLEM OF ASIA IN CONTEMPORARY SCIENCE STUDIES***Lee***Fa-ti Fan**, *Binghamton University*, "Earthquake Prediction and Mass Politics in Communist China"**Hiromi Mizuno**, *University of Minnesota*, "Scientific Nationalism: In the Case of Wartime Japan"**Alexander Bay**, *Chapman University*, "The Vitamin Revolution in Japan: Beriberi, Chinese Medicine, and the Cultural Construction of Ignorance"***Thomas S. Mullaney**, *Stanford University*, "The East is Red: The Unification of Time in Communist China"



Chair: **Robert Proctor**, *Stanford University*

INTERPRETING QUANTUM MECHANICS: A CENTURY OF DEBATE

Madison

Joan Bromberg, *Johns Hopkins University*, “New Instruments and the Meaning of Quantum Mechanics”

***Olival Freire**, *Universidade Federal da Bahia - Brazil*, “The Birth of the Everettian Heresy”

Anja Skaar Jacobsen, *Niels Bohr Archive, Copenhagen*, “Quantum Measurement and Consistency: The ‘Small War’ between Bohr-Rosenfeld and Landau-Peierls in the Early Thirties”

Michael Stoeltzner, *University of Wuppertal*, “The Axiomatic Method as a Critical Enterprise and the Quantum Controversy”

Chair & Commentator: **David Kaiser**, *Massachusetts Institute of Technology*

ASTROLOGY AT THE EVE OF MODERNITY

Jefferson

Tayra M.C. Lanuza-Navarro, *European University Institute*, “Astrology in Early Modern Institutions of Learning in Spain”

Martin Kjellgren, *Lund University*, “The Reluctant Dissident: Astrology and Heterodoxy in the Works of Sigfridus Aronus Forsius ca. 1610-1620”

Friederike Boockmann (read by **Patrick Boner**), *Bayerische Akademie der Wissenschaften*, “Johannes Kepler’s Horoscope Collection”

***Patrick J. Boner**, *Bayerische Akademie der Wissenschaften*, “A Scholar and a Statesman: Hans Georg Herwart von Hohenburg as a Critic and Patron of Johannes Kepler”

Chair and Commentator: **Peter Barker**, *University of Oklahoma*

SCIENCE ON THE BRINK: CONFRONTING EXTINCTION BEFORE THE ENDANGERED SPECIES ACT

Salon J

Mark V. Barrow, *Virginia Tech*, “Creating an Inventory of Extinction: The American Committee for International Wild Life Protection and the First Endangered Species List”

HSS Friday

***Peter S. Alagona**, *Harvard University*, “Parks for Plants? Endangered Species, the California Desert, and the National Park Service in the 1930s”

Mary Anne Andrei, *University of Virginia*, “‘The Making of a Whale’: Promoting Early Marine Mammal Conservation through Museum Display”

Kevin Francis, *Evergreen State College*, “Henry Fairfield Osborn and the Evolutionary Case for Species Preservation”

Chair & Commentator: **Mark Madison**, *U.S. Fish and Wildlife Service*

THE SILVER ANNIVERSARY OF WOMEN SCIENTISTS IN AMERICA, 1 (1982-2007): RECEPTION, IMPACT, RAMIFICATIONS FOR THE FUTURE

Salon 1

Sponsored by the Women's Caucus

Ida H. Stamhuis, *Free University Amsterdam*, “WSA-I and the History of Women Scientists in Europe”

Susan Lindee, *University of Pennsylvania*, “Noticing the Unnoticed”

Rima D. Apple, *University of Wisconsin-Madison*, “Laboratories and Kitchens: Rediscovering Hidden Sites of Scientific Work”

***Pnina Geraldine Abir-Am**, *Brandeis University*, “Collaborative Creativity and Gender in Research Schools: Where are the Women of the Phage Group?”

Anja Baumhoff, *Loughborough University*, “Divisions of Labour in Art, Design, and Architecture: the Gendered World of the Bauhaus”

Chair: **Sally Gregory Kohlstedt**, *University of Minnesota*

ANALYSING MICROSCOPES: IMAGES, TECHNIQUES, PROCEDURES

Salon 2

***Peter Heering**, *Carl-von-Ossietsky Universität Oldenburg*, “The Solar Microscope: Between Education and Entertainment during the Enlightenment”

Ann F. La Berge, *Virginia Tech*, “Practicing Microscopy in Mid Nineteenth-Century Paris”

Jochen Hennig, *Humboldt University, Berlin*, “The Epistemic Status of Digital Image Processing in Scanning Tunnelling Microscopy”



Elizabeth Mary Cavicchi, *Massachusetts Institute of Technology*,
 “Microscopy as a Collective Act involving Later Observers with
 Historical Work”

Chair and Commentator: **Jutta Schickore**, *University of Indiana*

THINKING ABOUT THE HISTORY OF SPACE SCIENCE

Salon 6

***Erik M. Conway**, *JPL/Caltech*, “Planetary Science and Global
 Warming: Thinking about Climate in the Space Agency”

Christina Turner, *University of Notre Dame*, “Viewing the Violent
 Universe: The Development of Gamma-Ray Astronomy”

Roger D. Launius, *National Air and Space Museum*, Smithsonian
 Institution, “Powering Space Exploration: RTGs, Nuclear Reactors,
 and Outer Planetary Probes”

Matthew B. Shindell, *University of California, San Diego*,
 “Astrogeology in Translation: Constructing Extraterrestrial
 Frontiers in the Early Years of Planetary Science.”

Commentator: **Andrew Butrica**, *Independent Scholar*

Chair: **Harold Burstyn**, *Independent Scholar*

THE PROBLEMATIC HISTORY OF ARISTOTLE’S “MECHANICAL PROBLEMS”

Salon H

Mark Schiefsky, *Max Planck Institute for the History of Science*,
 “The Cognitive Architecture of the Mechanical Problems”

John Anders, *University of Pittsburgh*, “Projectile Motion and the
 Mechanical Problems”

Matteo Valleriani, *Max Planck Institute for History of Science*,
 “The Reception Of Aristotle’s Mechanical Questions Among
 Renaissance Italian Engineers”

Helen Hattab, *University of Houston*, “Scholastic Interpretations
 of the Mechanical Problems and the Question of Method”

Chair & Commentator: ***Peter McLaughlin**, *University of
 Heidelberg*

HSS Friday

1968: SCIENCE IN THE COUNTERCULTURE

Salon 5

Rebecca Lemov, *Harvard University*, “From the Projective Test to the Acid Test: Some Encounters in Social Relations”

***Peder Anker**, *University of Oslo*, “Science as a Vacation: A History of Ecology in Norway”

Jimena Canales, *Harvard University*, “From Lab to Disco: A Short History of the Strobe”

Matthew H. Wisnioski, *Washington University in St. Louis/Virginia Tech*, “Scienceteers and Enginists: Blaming and Changing in the 1960s”

Chair and Commentator: **Gary Werskey**, *Educational Partnerships*

THE MINDFUL HAND

Jackson

Mary J. Henninger-Voss, *Independent Scholar*, “Cannons and Cannonballs.”

***Peter Dear**, *Cornell University*, “Making Two Cultures, or, Severing the Hand from the Head”

William J. Ashworth, *University of Liverpool*, “‘No Random Walk’: Rationality, Culture, and the British Industrial Revolution”

Commentator: **Michael Dennis**

Chair: **Michael Dennis**, *Independent Scholar*

Friday, 12:00 p.m.– 12:30 p.m.

BUSINESS MEETING FOR THE FORUM FOR THE HISTORY OF SCIENCE IN AMERICA

Salon 2

Friday, 12:00 p.m.– 1:15 p.m.

PANEL DISCUSSION: SCIENTIFIC BIOGRAPHY: CONSTRUCTING THE HUMAN ELEMENT IN THE PRODUCTION OF SCIENCE

Salon 1

Thomas Söderqvist, *Medical Museion, University of Copenhagen*, “Beyond Contextualism: The Concrete Individual as a Focus Point”



James H. Capshew, *Indiana University*, “Portraits of the Sex Researcher: The Cultural Production of Kinsey”

Michael M. Sokal, *Worcester Polytechnic Institute (Emeritus)*, “Psychology as a Biographer’s Tool: Developing Insights into Scientific Careers”

***Noretta Koertge**, *Indiana University*, “Reflections on the New DSB”
Chair: **Noretta Koertge**, *Indiana University*

PHILADELPHIA AREA CENTER FOR HISTORY OF SCIENCE RECEPTION AND INFORMATION SESSION

Salon H

Babak Ashrafi, director of the new center, will discuss programs, fellowships and other resources. <http://www.pachs.net>

GRADUATE STUDENT AND EARLY CAREER CAUCUS MEETING

Salon J

~all graduate student and early careerists welcome ~

NOMINATING COMMITTEE LUNCH

McLean

THE AMERICAN INSTITUTE OF THE HISTORY OF PHARMACY PRESENTATION OF THE 2006 AIHP GEORGE URDANG MEDAL TO JOLE SHACKELFORD FOR HIS BOOK A PHILOSOPHICAL PATH FOR PARACELSIAN MEDICINE.

Salon K

Please Join the AIHP in Congratulating Jole on Receiving this Award

MATHEMATICAL LUNCHEON

Courtesy of the Legacy of R. L. Moore Project and coordinated by the International Commission on the History of Mathematics. Reserved seating only.

HSS Friday

Friday, 12:30 p.m. - 1:15 p.m.

DISTINGUISHED SCIENTIST LECTURE FOR THE FORUM FOR THE HISTORY OF SCIENCE
IN AMERICA

Salon 2

Vera Rubin, *Carnegie Institution of Washington*

“Telescopes, Galaxies, and Women: A Life in Science”

Friday, 1:30 p.m. - 3:10 p.m.

TRANSLATION AND COMMUNICATION OF KNOWLEDGE: PRACTICE AND THEORY
IN EARLY MODERN EUROPE

Salon K

***Annette Henriette Munt**, *Independent Scholar*, “Dutch Cartesian Medical Reformism in German Translation during the Early Enlightenment (1680-1720)”

Kevin Chang, *Academia Sinica, Taiwan*, “Languages and Translation of Scientific Knowledge: The Introduction of Medical Dissertations to the Popular Book Market in Early Modern Germany”

Kasper Risbjerg Eskildsen, *Roskilde University*, “Entering the World Stage: Philosophy, Art, and Critique of Higher Learning during the Early Enlightenment”

Commentator and Chair: **Harold Cook**, *The Wellcome Trust Centre for the History of Medicine at UCL*

SPUTNIK: A RE-ASSESSMENT OF ITS IMPACT ON AMERICAN SCIENCE AND SOCIETY

Salon J

***Zuoyue Wang**, *California State Polytechnic University, Pomona*, “In Sputnik’s Shadow: American Scientists, Eisenhower, and the Negotiations over Its Meaning”

Marcel C. LaFollette, “Sputnik and the Popularization of Science”

Craig Sean McConnell, *California State University Fullerton*, “Taken by Surprise: Sputnik and the Measurement of Allopsychic Reorientation in the Space Age”

Chair & Commentator: **Marc Rothenberg**, *National Science Foundation*



 SCIENCE AND ITS PUBLICS AT THE AMERICAN MUSEUM OF NATURAL HISTORY

Salon 1

Julie Anne Homchick, *University of Washington*, “Objects and Objectivity: The Contestation over Evolutionary Theory at the American Museum of Natural History, 1915-1928”

Elizabeth Hanson, *Yale University*, “Into the Woods: From Forestry to Forests at the American Museum of Natural History”

Michael Anderson, *Peabody Museum of Natural History/Yale University*, “Artistic Rigor and Scientific Rigor in James Perry Wilson’s Natural History Dioramas”

Michael Rossi, *Massachusetts Institute of Technology*, “Corpus: Porpoise or, Cetaceans and the American Museum, 1907 - 1969”

Chair: **Paul Farber**, *Oregon State University*

POPULAR REPRESENTATION OF 20TH-CENTURY SCIENCE

Salon H

Alice Bell, *Imperial College, London*, “The Incredible Adventures of Professor Branestawm: the Maturing Image of Science in 20th-century Juvenile Literature”

Katherine Pandora, *University of Oklahoma*, “The Intimate Scientist: Vernacular Contestations of the View from Nowhere”

Kim Perez, *Fort Hays State University*, “Nature as a Field for Fiction”: Mabel Osgood Wright’s Response to the Nature-Faker Controversy”

Brian Regal, *Kean University*, “Scientific Authority in Dubious Realms: Grover Krantz and the Anomalous Primates”

Chair: **Garland Allen**, *Washington University*

RECONCILING SCIENCE AND RELIGION

Salon 2

Ariel Jacob Segal, *University of Maryland, College Park*, “Romanticism, Religion, and Geology: Edward Hitchcock on the Sanctifying Role of Science”

Peter C. Kjaergaard, *University of Aarhus*, “European Creationism”

Stephen P. Weldon, *University of Oklahoma*, “Francis Schaeffer and the Understanding of Modern Science in an Evangelical Context”

Xiaoli Tian, *The University of Chicago*, “Of Church and Hospital: Medical Missions in 19th century China”

Chair: **Frederick Gregory**, *University of Florida*

MEDICINE AND SOCIETY IN THE 20TH CENTURY

Salon 5

Adam Biggs, *Clafin University*, “New Negro Doctors, Old Negro Quacks: Medical Legitimacy and the Problem of Race, 1895-1940”

Funke Sangodeyi, *Harvard University*, “Diet as Destiny in Colonial and Post-Colonial Nigeria: Nutrition, Biopolitics and ‘the African Mind’”

Delia Gavrus, *University of Toronto*, “‘Springing Minerva-like from the Head of Cushing:’ Neurosurgery and the Rhetoric of Therapeutic Superiority”

Brigit Ramsingh, *University of Toronto*, “Food Science and the Codex Alimentarius Commission (1962-1970)”

Chair: **Abena Osseo-Asare**, *University of California, Berkeley*

SCIENCE AND PLACE IN THE 18TH AND 19TH CENTURIES

Lee

Susan N. Johnson-Roehr, *University of Illinois at Urbana-Champaign*, “Metropolitan Measurements made from the Periphery: The Astronomical Observatory of Jai Singh, Delhi, 1720-1743”

Peter Ramberg, *Truman State University*, “Halle Circa 1850: The Intersection of Religion, Popular Science, and Education”

Susan Marie Groppi, *University of California, Berkeley*, “Institution and Location: The Science of Psychology at State Universities in the American West, 1880-1910.”

Dong-Won Kim, *Johns Hopkins University*, “Two Different Images of the Nuclear Bomb in Japan and Korea, 1945-1960”

Chair: **Ann Shteir**, *York University, Toronto*

CLONING, STEM CELLS, AND EXPERTISE IN SCIENCE

Salon 6

Ben Hurlbut, *Harvard University*, “Term of ART? Human Cloning, Democratic Engagement and the Importance of Careful Use of Names”



Rachel A. Ankeny, *University of Adelaide*, “Evolving Representations of Stem Cells from the 1960s to the Present”
Rikke Schmidt Kjaergaard, *Steno Institute, University of Aarhus*, “Stem Cell Spin: Covering “the Hwang Affair””
Andrew Mendelsohn, *Imperial College London*, “The Role of Forensics in the Rise of Modern Medical Thought”
 Chair: **Lindley Darden**, *University of Maryland*

REVISITING EARLY MODERN ASTRONOMY

Salon 3

Jason Aleksander, *St. Xavier University*, “The Legacy of the Copernican Revolution in Light of the Erosion of a Pre-modern Prohibition Against the Applicability of Mathematics to the Physical Sciences”
Ari Belenkiy, *Bar-Ilan University*, “Groping Toward Linear Regression Analysis: Newton’s Analysis of Hipparchus’ Equinox Observations”
Aviva Rothman, *Princeton University*, “Kepler’s Conversation with the Past”
Derek Jensen, *Brigham Young University - Idaho*, “Hevelius’s Baroque Map of the Moon”
 Chair: **Darin Hayton**, *Haverford College*

CULTURES OF NATURAL KNOWLEDGE IN ISLAM

Jackson

Bekir Harun Kucuk, *University of California, San Diego*, “Islamism to Realism: The Journey of ‘Islam and Science,’ 1850-1950”
Alper Yalcinkaya, *University of California, San Diego*, “Using Draper to Save the Empire: An Ottoman Appropriation of the ‘Conflict Thesis’”
Avner Ben-Zaken, *Harvard Society of Fellows*, “Bridging Networks of Trust: Practicing Astronomy in Late sixteenth-century Salonika”
 Commentator: **F. Jamil Ragep**, *McGill University*
 Chair: ***Robert S. Westman**, *University of California, San Diego*

THE PEIRCES OF BOSTON: SNAPSHOTS OF SCIENCE IN 19TH-CENTURY AMERICA

Jefferson

Joseph W. Dauben, *City University of New York*, “Peirce and Sherlock Holmes: The Abductive Scientific Method and Creative Genius”

HSS Friday

Deborah A. Kent, *Simon Fraser University*, “Like Father, Like Son?: Peircean Approaches to Mathematical Thinking”

Matthew E. Moore, *Brooklyn College of the City University of New York*, “On Peirce’s Proofs of Cantor’s Theorem”

Commentator: **Albert Lewis**, *Indiana University*

Chair: **Karen Parshall**, *University of Virginia*

NATIONAL CONTEXTS IN SCIENCE: THE CASE OF ITALY

Madison

Aaron J. Wirth, *Brandeis University*, “Anti-Clerical Physicians in Fin-de Siècle Italy”

Daniele Cozzoli, *Pompeu Fabra University, Barcelona* & **Mauro Capocci**, *University of Rome*, “The Making of the Italian Scientific Research System: the Case of Domenico Marotta (1886-1974).”

Luciano Boschiero, *Campion College, Australia*, “Giovanni Borelli and the 1664-1665 Comet: a Prelude to his Celestial Mechanics”

Sultana Banulescu, *City University of New York - Graduate Center*, “The Vicar of Via Panisperna: Franco Rasetti’s Century-Long Journey from Physics to Paleontology (1901-2001)”

Sandra Linguetti, *University of Bologna*, “Vito Volterra and the Oceanographic Studies”

Chair: **Luciano Boschiero**, *Campion College, Australia*

(COFFEE BREAK, EXHIBIT AREA - 3:10 P.M. - 3:30 P.M.)

Friday, 3:30 p.m.– 5:30 p.m.

ARCHEUS IN MACHINA: THAT OTHER MECHANICAL PHILOSOPHY IN THE SEVENTEENTH CENTURY

Madison

***Jole Shackelford**, *University of Minnesota*, “Severinus’ Paracelsian Seeds: Mechanical Actors on the World Stage”

Hiro Hirai, *Ghent University, Belgium*, “Mechanical Spirits and Seminal Principles in Van Helmont and Gassendi”

Christoph Lüthy, *Radboud University Nijmegen*, “Misled by Boyle: There Was No Mechanical Philosophy”



Commentator: **Margaret Garber**, *California State University, Fullerton*
 Chair: **Bruce Moran**, *University of Nevada, Reno*

MEDIA AND APPROPRIATION

Salon 3

James Secord, *University of Cambridge*, “The Astronomer’s Scrapbook”

***Paul White**, *University of Cambridge*, “Darwin’s Readers”

Adrian Johns, *University of Chicago*, “Pirate Listeners and the Political Economy of Broadcasting, 1920-1950”

Commentator: **Bruce Lewenstein**, *Cornell University*

Chair: **Paul White**, *University of Cambridge*

REGIONALISM IN SCIENCE AND MEDICINE IN NINETEENTH-CENTURY AMERICA

Salon 1

Toby A. Appel, *Yale University*, “The Thomsonian Movement, Regular Medicine, and the State in Antebellum Connecticut: A Local Study of a National Phenomenon”

Gwen Kay, *SUNY Oswego*, “Murder, Patient Privilege and Other Bioethical Questions in 19th-Century Medicine”

***Daniel Goldstein**, *University of California, Davis*, “Do Animals Have Souls and Other Darwinian Dilemmas: Midwesterners react to the Origin of Species”

Commentator: **Ron Numbers**, *University of Wisconsin, Madison*

Chair: **Daniel Goldstein**, *University of California, Davis*

LABORATORIES, FASCISM AND THE LANDSCAPE

Jackson

***Tiago Saraiva**, *University of Lisbon*, “Laboratory Fascist Fields: Plant Breeding and Colonization in Portugal (1936-1974)”

Lino Camprubi, *UCLA*, “Coal, Concrete and Design: Engineering and Political Economy in Authoritarian Spain Circa 1953.”

Susanne Heim, *Editionsprojekt “Judenverfolgung 1933-1945,”* “Nazi Agricultural Looting in Wartime Europe”

Chair & Commentator: **Norton Wise**, *UCLA*

ON THE ORIGINS OF BOTANICAL GARDENS: PLACE, PATRONAGE, AND PURPOSE

Salon 6

Denis Diagre, *National Botanic Garden of Belgium*, “Rooted in the Century: Strategies to Survive and Thrive of the Brussels Botanic Garden (1826-1914)”

***Kim Kleinman**, *Missouri Botanical Garden/Webster University*, “Henry Shaw: The First Friend of the Missouri Botanical Garden”

Peter P. Mickulas, *New Jersey Historical Commission*, “Getting and Growing: Nathaniel Britton, New York, and the Politics of American Botany”

Commentator: **Barbara Kimmelman**, *Philadelphia University*

Chair: **Kim Kleinman**, *Missouri Botanical Garden/Webster University*

THE USES OF NEW WORLD NATURE: MATERIA MEDICA AND THE CIRCULATION OF KNOWLEDGE IN THE EARLY MODERN SPANISH ATLANTIC WORLD

Salon H

Antonio Barrera, *Colgate University*, “Mestizo Science and the New Science: The Atlantic World in the 16th and 17th Centuries.”

Paula De Vos, *San Diego State University*, “From Herbs to Alchemy: Chemical Medicine in the Colonial Mexican Pharmacy”

***Matthew James Crawford**, *University of California, San Diego*, “Making a Better Bark: Pharmaceutical Expertise and Spain’s Royal Monopoly of Cinchona Bark in the Eighteenth Century”

Miruna Achim, *Universidad Autonoma Metropolitana, Mexico City*, “Lizards in a Box: Testing Out Medicines in the Eighteenth-Century Atlantic World”

Chair: **Paula Findlen**, *Stanford University*

THE END OF SCIENCE

Salon 2

***Gabriel Finkelstein**, *University of Colorado-Denver*, “Emil du Bois-Reymond and the End of Science”

John Horgan, *Stevens Institute of Technology*, “*The End of Science: A Retrospective after Ten Years*”

Andre Wakefield, *Pitzer College, Claremont Colleges*, “The End of History of Science?”



Chair & Commentator: **Manfred Laublicher**, *Arizona State University*

THE ELEPHANT IN THE ROOM: FINDING A PLACE FOR THE NIH IN BIOMEDICAL HISTORY

Salon 5

Buhm Soon Park, *National Institutes of Health*, “Science as a Weapon in the War Against Disease in Mid-Twentieth-Century America”

***Joseph November**, *University of South Carolina*, “‘Planting the Seeds.’ How the NIH Cultivated Biomedical Computing”

David Cantor, *National Institutes of Health*, “When Experts Disagree: Public Trust and the 1997 Controversy over Routine Mammography for Healthy Women in Their 40s.”

Commentator: **Angela Creager**, *Princeton University*

Chair: **Victoria Harden**, *Office of NIH History*

SKETCHES FROM THE HISTORY OF RUSSIAN ECOLOGY, 1830-2000

Jefferson

Erki Tammiksaar, *Estonian University of Life Sciences*, “On Nature’s Household: Karl Ernst von Baer’s Reasoning about Organisms and Environment”

Lloyd Ackert, *Drexel University*, “Biological Thermodynamics: Andrei Famintsyn’s “Exchange of Matter and Transformation of Energy,” 1850-1885”

George S. Levit, *Friedrich-Schiller-Universität Jena*, “Vladimir I. Vernadsky and Russian Ecology” (Read by **Sabine Brauckmann**)

Chair and Commentator: ***Sabine Brauckmann**, *Estonian University of Life Sciences*

CRITICS OF SCIENTIFIC NATURALISM

Salon K

***Bernard Lightman**, *York University*, “‘A Conspiracy of One’: Samuel Butler, Scientific Naturalism, and Victorian Popularisation”

Matthew Stanley, *Michigan State University, Lyman Briggs School of Science*, “Against “The Material Spirit of the Age”: Maxwell’s Rejection of Scientific Naturalism”

HSS Friday

George Levine, *Rutgers University, Emeritus; New York University, Distinguished Scholar in Residence*, “The Scientific Naturalists and the Moral Life: From ‘Is’ to ‘Ought’”

Commentator: **John Lynch**, *Arizona State University*

Chair: **Geoffrey Cantor**, *University of Leeds*

THE PRACTICAL SCIENCES OF MAPS AND MEASUREMENT: SURVEYING, NAVIGATION
AND NATURAL RESOURCES IN BRITAIN AND THE UNITED STATES, 1750-1860

Salon J

Alice Walters, *St. Francis University*, “Piracy in the National Interest: Acquiring and Adapting British Navigational Technologies, 1789-1812”

***Ann Johnson**, *University of South Carolina*, “Intellectual and Geographical Borderlands: Competing Mathematical and Political Ideals in the US Rectangular Survey, 1789-1820”

Peter A. Shulman, *Johns Hopkins University*, “Swamps, Surveying and Security: The Maritime Origins of American Forest Conservation”

Chair and Commentator: **Joyce Chaplin**, *Harvard University*

MATHEMATICS IN THE 17TH CENTURY

Lee

Angelo Pedro De Bruycker, *Catholic University Leuven*, “Some Notes on Jesuit Mathematics in the Spanish Netherlands”

Nikhil Bhattacharya, *Retired*, “Galileo’s Mathematical Physics in Its University and Military Contexts”

Robert Goulding, *University of Notre Dame*, “Tearing Hypatia: The Beginnings of Euclidean Criticism”

Chair: **Nancy N. Hall**, *University of Delaware*

Friday, 5:45 p.m. - 6:15 p.m.

EARTH AND ENVIRONMENT FORUM MEETING

Salon 2

All scholars of the earth and the environment are invited.



Friday, 6:00 p.m. - 7:30 p.m.

HSS RECEPTION

Arlington Ballroom, Foyer

Friday, 6:30 p.m. - 7:30 p.m.

ABRAMS PRIZE RECEPTION

Salon K

The University of Chicago Press invites you to attend a reception to honor Deborah R. Coen, whose *Vienna in the Age of Uncertainty: Science, Liberalism, and Private Life*, has been awarded the 2007 Susan Abrams Prize.

Friday, 7:00 p.m. - 7:30 p.m.

BACON PRIZE RECEPTION

Salon 2

On behalf of the California Institute of Technology we are pleased to invite you to attend a reception in honor of Alexander Jones, second winner of the Bacon Award in the history of science or technology. Please join us in congratulating Alex.

Friday, 7:00 p.m. - 8:30 p.m.

UNIVERSITY OF CALIFORNIA PRESS RECEPTION

Salon J

Friday, 7:30 p.m. - 8:30 p.m.

NSF GRANT WORKSHOP

Madison

Fred Kronz and other representatives of the science and society programs

HSS Friday

Friday, 7:30 p.m. – 9:30 p.m.

**CARTOON MEDICINE SHOW: RARE ANIMATED CARTOONS FROM THE
COLLECTION OF THE NATIONAL LIBRARY OF MEDICINE**

Salon 1

Chairs and Commentators: **Michael Sappol** and **David Cantor**,
History of Medicine Division, National Library of Medicine

TEACHING THE HISTORY OF “SCIENCE IN NONWESTERN CULTURES”

Salon H

~ Committee on Education Workshop ~

Organizer: **Robert DeKosky**, *University of Kansas*

William Summers, *Yale University*, Teaching the History of
“Science in Chinese Culture”

James Bartholomew, *Ohio State University*, “Teaching the
History of “Science in Japanese Culture”

Clara Sue Kidwell, *University of Oklahoma*, “Teaching the
History of “Science in Native American Cultures”

Chair: **Jessica Wang**, *University of British Columbia*

Friday, 9:30 p.m. – 11:00 p.m.

GRADUATE STUDENT PARTY

Salon K

Saturday, 3 November

Saturday, 7:30 a.m. - 8:45 a.m.

OSIRIS EDITORIAL BOARD MEETING

McLean

COMMITTEE ON HONORS AND PRIZES, COMMITTEE ON EDUCATION

Terrace Restaurant



FORUM FOR THE HISTORY OF SCIENCE IN AMERICA STEERING COMMITTEE

TBA

Saturday, 9:00 a.m. – 11:45 a.m.

(COFFEE BREAK, EXHIBIT AREA - 10:00 A.M. - 10:15 A.M.)

 NEW ADVANCES IN THE HISTORY OF SCIENCE AND MEDICINE
 IN MODERN CHINA
Salon 5

***Danian Hu**, *The City College of New York*, “William Band and Modern Physics at Yenching University”

Baichun Zhang, *Institute for the History of Natural Science, Chinese Academy of Sciences*, “Wang Zheng and the Transmission of Western Mechanical Knowledge to China in the 17th Century”

Yibao Xu, *Borough of Manhattan Community College of the City University of New York*, “A Chinese Perspective of Euclid’s Elements”

Miao Tian, *Institute for the History of Natural Science, Chinese Academy of Sciences*, “Research of Algebra in China during 1700-1840”

Daqing Zhang, *Center for History of Medicine, Peking University*, “Reconstructing the Traditional Chinese Medicine by Science – A Historical Study of the Medical Research Society of China”

Yuelin Zhu, *Harvard University, Monroe C. Gutman Library*, “Women’s Liberation Movement and the Women Scientists in the Early 20th Century China: The Case of Chien-Shiung Wu”

Chair: **Joseph Dauben**, *City University of New York*

 UNIVERSITY TEACHING AND SCHOLARSHIP IN 17TH-CENTURY EUROPE
Salon K

H. Darrel Rutkin, *Stanford University*, “Changing Curricular Patterns: Astrology and the Italian Universities, ca. 1300-1800”

Ann Blair, *Harvard University*, “Early Modern Teaching through the Lens of Student Notes”

HSS Saturday

***Karin J. Ekholm**, *Indiana University*, “Challenges to Galenic Anatomy in Highmore’s and Bartholin’s Textbooks of 1651”

***Renee Jennifer Raphael**, *Princeton University*, “Teaching Galileo’s 1638 “Discorsi” at the University of Pisa and the Jesuit Collegio Romano, 1638-1658”

Chair and Commentator: **Mordechai Feingold**, *California Institute of Technology*

WAR, PEACE AND MATHEMATICS: THE DECISION SCIENCES, 1937-1965

Salon J

***William Thomas**, *Harvard University*, “Beyond the Science of Warfare: The Origins of Systems Analysis, 1937-1954”

Judy L. Klein, *Mary Baldwin College*, “Cold War, Dynamic Programming, and the Science of Economizing: Richard Bellman Strikes Gold in Policy Space”

Paul Erickson, *University of Michigan*, “A Calculus for a Science of Peace? Peace Research, Conflict Resolution, and the History of Game Theory”

S M. Amadae, *Ohio State University*, “The Prisoner’s Dilemma: Normalizing a Post-Modern Political Economy of Exchange?”

Chair and Commentator: **Hunter Heyck**, *University of Oklahoma*

ENVIRONMENTAL SCIENCE AS INDUSTRIAL RESEARCH

~Sponsored by the Earth and Environment Forum~

Salon 1

Jeremy Vetter, *Dickinson College*, “Developing the American West: Agricultural Sciences and the “Land Industry” in the Railroad Era”

Paul Lucier, *Independent Scholar*, “The Origins of Economic Geology: S.F. Emmons and the USGS in Leadville, CO”

Emily Brock, *Georgia State University*, “ “What is Industrial Forestry?” Pushing the Boundaries of Forest Science in the Interwar Years”

***Roger Turner**, *University of Pennsylvania*, “A Science and Industry of the Air: Airline Meteorology, 1919-1941”

Chair and Commentator: **Helen Rozwadowski**, *University of Connecticut*



GOING GLOBAL? MIGRATING GERMANS AND THEIR SCIENCES, 1800-1950
Salon 2

***Lynn K. Nyhart**, *University of Wisconsin, Madison*, “Emigration, Migration, Annexation: The Strange History of the ‘Lebensraum’ Concept in German Geography”

Roderick W. Home, *University of Melbourne*, “German Scientists in Nineteenth-Century Australia”

Ute Deichmann, *Leo Baeck Institute London, University of Cologne*, “German, Jewish or American? Emigré Biochemists in the US and Their Research Practices, 1890-1930”

Michael R. Dietrich, *Dartmouth College*, “Beyond Transplantation: Viktor Hamburger, Walter Landauer, and the Rise of Developmental Genetics in the United States”

Michael Gordin, *Princeton University*, “Second Time Tragedy: Germans as Russian Chemists from Alexander’s Petersburg to Stalin’s Gulag”

Chair: **Lynn K. Nyhart**, *University of Wisconsin, Madison*

**READING THE EARTH’S HISTORY: GEOLOGY, CHRONOLOGY,
AND PALEONTOLOGY, 1700-1900**
Salon 3

***Lydia Barnett**, *Stanford University*, “Prophecy and Prediction: The History of the Earth and the Question of the Earth’s Future in the Late Seventeenth Century”

Martin Rudwick, *University of Cambridge*, “On Taking the ‘Geological Deluge’ Seriously; or, Geology without Genesis”

Thomas Burnett, *University of California Berkeley*, “Developing a History of Life in Göttingen: Interpreting the Succession of Biotic Forms in the Fossil Record, 1800-1830”

Sandra Herbert, *University of Maryland, Baltimore County*, “Charles Darwin’s Reflections in 1850: ‘All young geologists have a great turn for speculation; I have burned my fingers pretty sharply in that way.’”

David Sepkoski, *University of North Carolina Wilmington*, “Darwin’s Dilemma: Evolution, the Fossil Record, and Paleontology, 1859-1945”

Chair: **David Sepkoski**, *University of North Carolina, Wilmington*

**NATURE'S MARKETPLACE: COMMERCE AND NATURAL HISTORY IN THE LONG
EIGHTEENTH CENTURY**

Salon H

Elizabeth Yale, *Harvard University*, "The Patronage of the Publick: Printing Learned Natural History by Subscription in England, 1690-1710"

***Kathleen Susan Murphy**, *California Polytechnic State University*, "Science, Prosperity, and National Advantage: John Ellis and Networks of Natural History in the British Atlantic, 1755-1776"

Katherine A. Hermes, *Central Connecticut State University*, "Some Preparations at Deptford: American Interest in the Voyages of Captain Cook, 1768-1783"

***Sarah Easterby-Smith**, *University of Warwick*, "Two of a Kind? Botanical Exchange and the Commercial Plant Trade in Paris, c. 1770-1800"

Chair and Commentator: **Philip Pauly**, *Rutgers University*

**THE BIRTH OF BIOMECHANICS: ENGINEERING THE BODY IN MODERN AUSTRIA,
GERMANY, AND THE UNITED STATES**

Madison

Jennifer K. Alexander, *University of Minnesota*, "Conflating Labor and Leisure: Biomechanics during the Second World War"

Tatjana Buklijas, *University of Cambridge*, "Mechanical Anatomy, The Imperial Army and Orthopaedic Surgery in the Late-Nineteenth-Century Vienna"

***Beth Linker**, *University of Pennsylvania*, "The Burden of the Body: Making Exercise Mechanical in Interwar America"

***Thomas Schlich**, *McGill University*, "Fixing the Biomechanical Body: Rationalized Fracture Treatment in WWI"

Chair and Commentator: **Greg Eghigian**, *Penn State University*

**MATHEMATICAL SCIENCES AND NATURAL PHILOSOPHY IN ANTIQUITY AND THE
MIDDLE AGES**

Salon 6

Jean De Groot, *The Catholic University of America*, "DUNAMIS and Mechanical Advantage in Aristotle"



Elaheh Kheirandish, *Harvard University*, “‘Quwwa’ in the Arabic Optical and Mechanical Traditions”

***Edith Dudley Sylla**, *North Carolina State University*, “The Proportions of ‘potentiae’ and ‘velocitates’ in Bradwardinian Physics”

Walter Roy Laird, *Institute for Advanced Study*, “Blasius of Parma and Scholastic Mechanics”

Chair: **Richard Hassing**, *Catholic University*

EXPLORING THE HISTORY OF WOMEN IN SCIENCE

Jackson

Melinda Clare Baldwin, *Princeton University*, “‘Where Are Your Intelligent Mothers?’: Marriage and Family in the Scientific Career of Dame Kathleen Lonsdale”

Robin L. Gordon, *Mount St. Mary’s College*, “Searching for the *Soror Mystica*: Women Alchemists As Scientists, Theologians, and Healers”

Christopher Green, *York University*, “Why Ada?: Selecting Someone to Promote Babbage’s Analytical Engine in Great Britain”

David Hecht, *Bowdoin College*, “Celebrating Carson: *Silent Spring* and Changing Notions of Popular Scientists in America”

Commentator & Chair: **Elizabeth Green Musselman**, *Southwestern University*

MATERIAL CULTURE AND THE CIRCULATION OF KNOWLEDGE IN THE EARLY MODERN LOW COUNTRIES

Jefferson

Claudia Swan, *Northwestern University*, “Imported Knowledge: Fragments of the New World in the Context of Dutch Collections 1585-1625”

Steven Vanden Broecke, *K.U. Brussel*, “A Copernican debate on the eve of the Galileo affair: Fromondus vs. the Lansbergii”

***Sven Dupré**, *Ghent University*, “Inside the *Kunstkamer*: Art Cabinets, Optics and Collections in Early Seventeenth-Century Antwerp”

Fokko Jan Dijksterhuis, *University of Twente*, “Generations of Curves Through the Dutch Republic”

Chair: **Alix Cooper**, *SUNY Stony Brook*

Saturday, 12:00 p.m.– 12:30 p.m.

FORUM FOR THE HISTORY OF HUMAN SCIENCES BUSINESS MEETING

Salon 2

Saturday, 12:00 p.m.– 1:15 p.m.

WORKING KNOWLEDGES BEFORE AND AFTER C. 1800: PRACTICES AND DISCIPLINES IN THE HISTORY OF SCIENCE, TECHNOLOGY AND MEDICINE

Salon H

~ An open discussion session based on John Pickstone’s ISIS article issue

September 2007~

***Chris Hamlin**, *University of Notre Dame*

Paula Findlen, *Stanford University*

Domenico B. Meli, *Indiana University*

Bruno Strasser, *Yale University*

***John Pickstone**, *University of Manchester*

Chair: **Sarah Jansen**, *Harvard University*

SOURCES FOR THE HISTORY OF SCIENCE AND MEDICINE – NEW PERSPECTIVES

Salon J

Steve Greenberg, *National Library of Medicine*

Judy Chelnik, *National Museum of American History, Smithsonian Institution*

***Paul Theerman**, *National Library of Medicine*

Chair: **Paul Theerman**, *National Library of Medicine*



RECALLING THE "PREHISTORY" AND EARLY DAYS OF WOMEN SCIENTISTS IN AMERICA, 1: (WSA-1): WHO HELPED, WHO HINDERED, WHO STOOD BY, AND WHERE ARE WE TODAY?

Salon 1

Margaret Rossiter, *Cornell*, "‘You are committing professional suicide’: Researching Women Scientists in America During the 1970s”

Vera Rubin, *Carnegie Institution of Washington, National Academy of Science*, "Women Astronomers Before WSA-I and Today”

Tanya Zanish-Belcher, *Iowa State University*, "Archival Practices re: Women in Science; Implications of WSA-I”

Mike Sokal, *Worcester Polytechnic Institute*, "Observing the Origins of What Became Women Scientists in America-I: Some Reminiscences”

Ron Rainger, *Texas Tech University*, "NSF as a Sponsor of the History of Women in Science: WSA-I, II & III as Exemplars”

Marilyn B. Ogilvie, *University of Oklahoma* & **Joy Harvey**, *Independent Scholar*, "Women in Science as a Bibliographic Challenge”

Ellen More, *University of Massachusetts Medical School*, "Women in Medicine and the Professions in the 1970’s and today”

Toby Appel, *Yale University*, "Ivy League Graduate Students of the 1970’s & WSA-I”

Nancy G. Slack, *Russell Sage College*, "Women in Field Biology Before and After WSA-I”

Abha Sur, *Massachusetts Institute of Technology*, "The History of Women in Science in India: WSA-I as a Catalyst”

Lynne O. Elkin, *California State University*, "Franklin’s Woman Colleagues”

Chair: ***Pnina G. Abir-Am**, *Brandeis University*

HSS Saturday

Saturday, 12:00 p.m. - 1:15 p.m.

COMMITTEE ON MEETINGS AND PROGRAMS

Salon 5

Saturday, 12:00 p.m. - 3:00 p.m.

COMMITTEE ON PUBLICATIONS

McLean

Saturday, 12:30 p.m. - 1:15 p.m.

FORUM FOR THE HISTORY OF HUMAN SCIENCES DISTINGUISHED LECTURE

Salon 2

John Burnham, *Medical Heritage Center, The Ohio State University*

“How Boundaries Dissolve in Writing Disciplinary Histories: The Exemplary, Agonizing Case of Accident Proneness (Unfallneigung)”

Saturday, 1:30 p.m.- 3:10 p.m.

ANGELS AND MACHINES: THEOLOGY AND MECHANICAL-MATERIAL CULTURES
IN EARLY MODERN EUROPE

Salon 2

Jean-Francois Gauvin, *Harvard University*, “Music, Machines, and Theology: Mersenne’s Organ as a Christian Symbol of Natural Philosophy”

Matthew L. Jones, *Columbia University*, “Natural Hierarchy, Artisans, and Early Modern Calculating Machines”

***Adelheid Voskuhl**, *Harvard University*, “Humans, Machines, and Angels: Music-playing Women Automata and Jean Paul’s Theology in the German Enlightenment”

Commentator: **Myles Jackson**, *Willamette University*

Chair: **Adelheid Voskuhl**, *Harvard University*

RADIATION IN SCIENCE AND SOCIETY

Salon K

Matthew Lavine, *University of Wisconsin, Madison*, “‘Radiumac Does Wonders, Contains No Radium’: Radon-infused Water and Early American Nuclear Culture.”

Alex Wellerstein, *Harvard University*, “‘Old H-bomb Arguments Never Die!’: History, Secrecy, and the Teller-Ulam Priority Dispute”

Brianna Rego, *Stanford University*, “The Polonium Brief: A Hidden History of Cancer, Radiation, and the Tobacco Industry”



Chair: **Luis Campos**, *Drew University*

BIOCHEMISTRY AND BIOMEDICAL RESEARCH

Lee

Hallam Stevens, *Harvard University*, “Seeing Sequences and Picturing Proteins: Visualization Techniques in Bioinformatics”

Rivers Singleton, *University of Delaware*, “Harland Goff Wood and American Biochemistry”

Todd Michael Olszewski, *Yale University*, “Rudolf Schoenheimer, Atherogenesis, and Sterol Metabolism in the 1920’s”

Chair: **Marsha Richmond**, *Wayne State University*

SCIENCE ON DISPLAY

Salon 3

Maria Farland, *Fordham University*, “Decomposing City: Walt Whitman, Sanitary Science, and *Leaves of Grass*”

Julie Katharine Brown, *University of Texas Health Science Center, San Antonio*, “Displaying Health and Medicine to the Public: The Exposition, the Museum, and the Exhibition in the Early Progressive Era”

Victoria Cain, *American Academy of Arts and Sciences*, “Where Have All the People Gone?: Erasing the Human Presence in Habitat Dioramas”

Kathryn A. Hoffmann, *University of Hawaii at Manoa*, “The Spectacular Cadaver: Lessons from the History of Popular Anatomy Shows and Directions for the Future”

Chair: **Charlotte M. Porter**, *University of Florida, Florida Museum of Natural History*

TWENTIETH-CENTURY ECOLOGY

Jackson

Sabine Hoehler, *University of Hamburg*, “‘Spaceship Earth’: Imagining Environment in the Age of Ecology”

HSS Saturday

Gene Cittadino, *New York University*, “Contested Knowledge and Resource Policy in the Red River Boundary Dispute”

David Tomblin, *Virginia Tech*, “The Role of Restoration Ecology and the Local Ownership of Science in the Cultural Revitalization of the White Mountain Apache Tribe, 1940-2000”

Etienne S. Benson, *Massachusetts Institute of Technology*, “Field Research in the Public Eye: Tagging Whales Before and After the Marine Mammal Protection Act of 1972”

Chair: **Karen N. Oslund**, *Towson University*

PEDAGOGY AND POPULARIZATION

Jefferson

Alan James Clamp, *University of South Carolina*, “Changes in Attitudes Towards Science in Nineteenth Century Mainstream America”

John Paul DiMoia, *Princeton University*, “Teaching the Atom: Raymond L. Murray and the Internationalization of Nuclear Engineering at NCSU, 1950-1963”

Giny Cheong, *George Mason University*, “The Hubble Space Telescope: the Official Story and Public Perception through the Media”

Despina Kakoudaki, *Harvard University*, “The Robot as an Object of Study: Imagination, Fiction and Reality”

Chair: **Julie Newell**, *Southern Polytechnic State University*

SCIENCE IN THE COLD WAR

Salon 5

Peter Westwick, *University of California, Santa Barbara*, “The Strategic Offense Initiative? ‘Space-strike Weapons’ and the Soviet Response to SDI”

David A. Pantalony, *Canada Science and Technology Museum*, “Propaganda or Education? The Controversy over the Importation of Soviet Scientific Instruments to America in 1959”

Dominique A. Tobbell, *University of Pennsylvania*, “‘Who’s Winning the Human Race?’ Cold War as Pharmaceutical Political Strategy”



Stephanie Young, *University of California, Berkeley*, “Managing Military R&D: The Planning Programming Budgeting System in the Department of Defense, 1961-1968”

Chair: **Kristie Macrakis**, *Michigan State University*

EUGENICS IN THEORY AND PRACTICE

Salon H

Matthis Krischel, *Humboldt-Universität zu Berlin*, “The Perceived Hereditary Effect of World War I”

Megan Glick, *Yale University*, “White Chimpanzees: Primatology as Eugenic Practice in the Work of Robert Mearns Yerkes”

Veronika Hofer, *Medical University of Vienna*, “Constitutional Pathology - Eugenics – Human Genetics: Julius Bauer and Vienna’s Medical Culture 1900-1945”

Chair: **Susan Rensing**, *Mississippi State University*

PRE-MODERN TRANSMISSION AND TRANSLATION

Salon 6

Renzo Baldasso, *Columbia University*, “Regiomontanus’s Revolutionary Books”

Robert G. Morrison, *Whitman College*, “The Transmission of Islamic Astronomy to Jews”

Alain Touwaide, *Smithsonian Institution*, “Global Science and International Language: The Case of the Medieval Mediterranean”

Katherine A. Tredwell, “The Antediluvian Origin of Astronomy: Josephus, Qumran, and the Lutherans”

Chair: **Michael H. Shank**, *University of Wisconsin*

TWENTIETH-CENTURY PSYCHOLOGY AND NEUROLOGY

Salon J

Michael Pettit, *University of Toronto*, “‘The Unobserved but Observing Observer’: The Psychologist as Deceptive Performer and the Search for Natural Responses”

Carrie Eisert, *Princeton University*, “The Psychiatry of Birth Control Pill Acceptance, 1967-1973”

Sherrie L. Lyons, *Empire State College, SUNY*, “East Meets West: Buddhism, Neuroplasticity and Mirror Neurons: Revisiting Evolutionary Ethics”

Naamah Akavia, *University of California Los Angeles*, “Subjectivity in Motion: Hermann Rorschach’s Inkblot Test and the Motif of Movement in Psychiatry and Aesthetics”

Chair: **Grace Sirju-Charran**, *University of West Indies, Trinidad*

DRAWING BOUNDARIES: MATHEMATICIANS, EINSTEIN AND THE UNIFICATION PROJECT

Salon 1

Catherine Goldstein, *CNRS- Institut de mathématiques de Jussieu*, “Unity and Reality according to A. N. Whitehead”

***Jim Ritter**, *Université de Pais 8 / Institut Mathématique de Jussieu*, “Mathematizations of the World Picture: Mathematicians in Unified Field Theory 1920-1930”

Tilman Sauer, *Caltech*, “Number Theory, Geometry, and Electromagnetism: Hilbert’s Perspective on the Unity of Science”

Jeroen Van Dongen, *Utrecht University*, “The Genesis of General Relativity and its Influence on Einstein’s Unified Field Theory Programme”

Chair: **Jim Ritter**, *Université de Pais 8 / Institut Mathématique de Jussieu*

SCIENCE OF LIFE INSURANCE, SCIENCE OF SOCIETY

Madison

***Dan Bouk**, *Princeton University*, “The Scientific Valuation of American Lives: Mathematicians and the Foundations of a Commercial Society”

***Jonathan Levy**, *University of Chicago*, “Elizur Wright, Jr. and the Actuarial Science of Freedom”

Megan J. Wolff, *Columbia University*, “Negroes and Paupers Need Not Apply: Life Insurance and the Science of Progress in the Progressive Era”

Chair & Commentator: **Joan L. Richards**, *Brown University*

(COFFEE BREAK, EXHIBIT AREA - 3:10 P.M. - 3:30 P.M.)



Saturday, 3:30 p.m. 5:30 p.m.

ARTISANS AND PHILOSOPHERS IN EARLY MODERN EUROPE

Lee

Craig Martin, *Oakland University*, “Vernacular Meteorology for Courtiers and Ladies”

***Vera Keller**, *Princeton*, “Cornelis Drebbel (1572-1633): Artisan and Natural Philosopher”

S. Catherine Abou-Nemeh, *Princeton University*, “Subtle Anatomy in Eighteenth-Century Bologna: The Anatomical Wax Models of Giovanni (1700-1755) and Anna Morandi Manzolini (1716-1774)”

Chair and Commentator: **Pamela O. Long**, *Independent Scholar*

INVESTIGATING LABORATORY LIFE: NEW HISTORIOGRAPHY

Salon 2

Stuart Leslie & Robert Kargon, *Johns Hopkins University*, “The Laboratory, the Clinic and the Studio: Spaces of Inquiry in Three Eras”

Lillian Hoddeson, *University of Illinois*, “Ideology, Imagery, Laboratory, and Science: The Frontier and the Rise of Megascience”

***Catherine Westfall**, *Argonne National Laboratory/Michigan State University*, “Laboratories and Ecosystems: Accelerator Battles as Survival of the Fittest”

Commentator: **Robert Crease**, *SUNY Stony Brook*

Chair: **Catherine Westfall**, *Argonne National Laboratory/Michigan State University*

AFTER THE FALL: SCIENCE AND POLITICS DURING THE EARLY YEARS OF THE MAX PLANCK SOCIETY

Salon 6

Michael Schüring, *University of California at Berkeley*, “The Shadow President: Ernst Telschow and the Post-War Transformation of the Kaiser-Wilhelm-Society”

Alexander von Schwerin, *University of Braunschweig*, “No Mammals for Germany: Biophysics At the Max Planck Society and the Dangers of Civilization”

HSS Saturday

Thomas M. Berez, *The Johns Hopkins University*, “Between Pure and Applied Science: Georg Vogelpohl as a Case Study of the Rehabilitation of German Science after the Second World War.”

Chair and Commentator: ***Sheila Weiss**, *Clarkson University*

THE BATTLES OF HEARTS AND MINDS: SCIENTISTS AND THE COLD WAR STATE

Salon 1

***Paul Rubinson**, *University of Texas, Austin*, “‘Scientists Wearing the Cloak of Science’: Activism, Objectivity, and Nuclear Weapons, 1954-1963”

***Joy Rohde**, *University of Pennsylvania*, “Counterinsurgency on Contract: Project Camelot and the Politics of Cold War Social Knowledge”

Michael Lewis, *Salisbury University*, “For the Birds: The Cold War and an Indo-US Ornithological Collaboration”

Chair & Commentator: **John Krige**, *Georgia Institute of Technology*

BEYOND EINSTEIN: CONTEXTUALIZING THE THEORY OF RELATIVITY

Salon K

Stefan Roehle, *Mainz University*, “Relativity in Leiden: The Role of Willem de Sitter”

***Scott Walter**, *University of Nancy*, “The Scandal of Spacetime”

David E. Rowe, *Mainz University*, “On Contextualizing Einstein Studies: Max von Laue’s Role in the Relativity Revolution”

John Stachel, *Boston University*, “Rise and Fall of Einstein’s Hole Argument”

Chair and Commentator: **John Stachel**, *Boston University*

THE LAITY TAKES ON MEDICAL EXPERTISE: CONTESTS OVER GENDER AND HEALTH IN POSTWAR AMERICA

Jackson

***Elizabeth Watkins**, *University of California, San Francisco*, “The Medicalization of Male Menopause”

Wendy Kline, *University of Cincinnati*, “Bodies of Evidence: Activists, Patients, and the FDA Regulation of Depo Provera”

Judith Anne Houck, *University of Wisconsin, Madison*, “Lay Women Health Workers: Balancing Feminist Principles, State Policies, and Medical Pressures, 1971-1981”



Rebecca M. Kluchin, *California State University, Sacramento*,
 “Between ‘On Demand’ and ‘Without Coercion’: Women’s Health
 Activists Debate the 1978 Federal Sterilization Guidelines”
 Chair: **Ken Alder**, *Northwestern University*

SCIENCE AND POLITICAL ECONOMY IN THE ATLANTIC EMPIRES OF ENGLAND AND SPAIN
Salon H

***Matthew Underwood**, *Harvard University*, “The Parliament
 Way of Reformation: Science and Political Economy in Worsley’s
 Program for Virginia, c. 1649-51”

Ted McCormick, *National University of Ireland, Galway*, “The Advance-
 ment of Policy: Art and Nature in William Petty’s Political Arithmetic”

Christopher Warren York, *Yale University*, “‘The Arroyos Run
 with Blood’: Dye Production, Intensification, and Mercantile
 Monopolies in Colonial Oaxaca”

Chair and Commentator: **Eric Ash**, *Wayne State University*

MEDICINE, RELIGION AND SOCIETY IN THE ISLAMIC WORLD
Madison

***Nahyan Fancy**, *DePauw University*, “Soul, Spirit, Resurrection
 and the Discovery of the Pulmonary Transit of Blood”

Sara Scalenghe, *Indiana University-Bloomington*, “Paracelsus in
 Ottoman Medicine: The Case of Ibn Sallum (d. ca. 1670)”

Sherine F. Hamdy, *Brown University*, “Islam and Bioethics
 Debates in Egypt: Specificities of Practice in Moral Discourse”

Commentator: **Darin Hayton**, *Haverford College*

Chair: **Nahyan Fancy**, *DePauw University*

NEW PERSPECTIVES ON THE ASYLUM, 1800-1990
Salon J

Jennifer L. Bazar, *York University*, “Patient Treatment after Death:
 The Controversial Practice of Post-Mortem Exams at the Toronto
 Asylum, 1841-1900”

Eleanor E. Mayer, *University of Pennsylvania*, “Law and the
 Asylum in Pennsylvania, 1900-1990”

***Elizabeth A. Williams**, *Oklahoma State University*, “Curing Brain or Stomach? Dietetics in Nineteenth-Century French Asylums”

Chair and Commentator: **Matt Reed**, *Keck Graduate Institute, Claremont Colleges*

SOCIAL SCIENCE AND THE CRISES OF AMERICAN LIBERALISM, 1900-1950

Salon 5

***Thomas Stapleford**, *University of Notre Dame*, “Numbers, Rules, & Liberalism: Labor Statistics and American Industrial Relations, 1900-1950”

Jessica Wang, *University of British Columbia*, “Social Knowledge and the American State: From the Social Survey to the New Deal”

Andrew Jewett, *New York University*, “American Social Scientists and the Rise of Consensus Liberalism”

Commentator: **Theodore Porter**, *UCLA*

Chair: **John Carson**, *University of Michigan*

Saturday, 5:30 p.m. - 6:30 p.m.

Cash Bar Reception (Arlington Foyer)

Saturday, 6:30 - 7:30 p.m.



**HISTORY OF SCIENCE SOCIETY
DISTINGUISHED LECTURE**

Salon 3

Supported by the Joseph H. Hazen
Foundation

Theodore M. Porter

University of California, Los Angeles

“How Science Became Technical”

Introduction by **Ken Alder**, *Northwestern University*



7:30 p.m. - 8:00 p.m.

ANNOUNCEMENT OF SOCIETY PRIZES

Salon 3

8:00 p.m. - 10:00 p.m.

SOCIETY DINNER

Salon 5 & 6

Sunday, 4 November

Sunday, 8:00 a.m. - 9:00 a.m.

HSS BUSINESS MEETING

Salon B

Sunday, 9:00 a.m. - 11:45 a.m.

(COFFEE BREAK, EXHIBIT AREA - 10:00 A.M. - 10:15 A.M.)

FIELD GEOGRAPHIES: SITUATING FIELD SCIENCES IN PHYSICAL PLACES AND SOCIAL SPACES

Salon H

***Gina Rumore**, *University of Minnesota*, "Of Ice and Men: A Historical Geography of Field Science in Glacier Bay, Alaska"

***Georgina Montgomery**, *Montana State University*, "Situating Transnational Science: The History of the Amboseli Baboon Project, 1963-Present"

Christian Jennings, *University of Wisconsin-Stevens Point*, "Colonial Institution as Field Site: The East African Marine Fisheries Research Organization"

Rachel Mason Dentinger, *University of Minnesota*, "Plant Passivity or Animal Activity?: Contesting the Chemical Geography of Plant-Herbivore Communities in 1960s Ecology"

Chair & Commentator: **Sharon Kingsland**, *Johns Hopkins University*

HSS Sunday

CELEBRATING THE LEONHARD EULER TRICENTENARY
Salon 1

Dominic W. Klyve, *Carthage College*, “The Euler Archive and the Benefits of Universal Availability of Primary Sources”

Craig B. Waff, *Air Force Research Laboratory*, “Clairaut, d’Alembert, and Euler and Their Interactions Regarding the Problem of the Lunar-Apsides Motion”

***Ronald S. Calinger**, *Catholic University of America*, “Leonhardo Eulero: Academia Petropolitanae”

Commentator: **Shelley Costa**, *Cornell University/St. John’s College* & **Alexey Lopatukhin**, *St. Petersburg State University*

Chair: **Robert E. Bradley**, *Adelphi University*

WOMEN’S PLACES IN SCIENCE*Madison*

***Chin Jou**, *Princeton University*, “‘Milking It’: Home Economists and World War I Era Dairy Consumption Campaigns”

Patricia Rosof, *Hunter College (retired)*, “Straddling Boundaries: The Scientific Career of Dr. Florence Rena Sabin”

Jun Tsuji, *Siena Heights University*, “From the Convent to the Laboratory: Sister Miriam Michael Stimson, OP, and Her DNA Research”

***Jeris Stueland Yruma**, *Princeton University*, “Lise Meitner, From German Physicist to Jewish Refugee”

Chair and Commentator: **Margaret Rossiter**, *Cornell University*

EARLY MODERN METHOD AND NATURAL PHILOSOPHY*Salon 2*

Rose-Mary Sargent, *Merrimack College*, “Science in the Public Interest: The Relationship between Baconian Experimentalism and the Common Good”

Brant Vogel, “The Advent of Graphic Notation in Science”

Nicholas H. Clulee, *Frostburg State University*, “John Dee as Inspiration and Provocation for Francis Bacon’s Solomon’s House”

Kathryn James, *Yale University*, “Reading Instruments: The Print Culture of Mathematical Instruments in Early Modern Britain”



Victor D. Boantza, *University of Toronto*, “Particles and Solvents: Debating Analytical Chemistry and Elemental Theories at the Early Royal Parisian Academy of Sciences” (**Cancelled**)

Chair: **Anita Guerrini**, *University of California Santa Barbara*

PHYSICS IN THE LATE NINETEENTH AND TWENTIETH CENTURIES

Salon 5

Alexander Boxer, *Massachusetts Institute of Technology*,

“Following the Field Lines: Lingering Images of a Mechanical Aether and the Discovery of Magneto-Hydrodynamic Waves”

Mina Park, *Seoul National University*, “A Factory of Spectroscopy: George R. Harrison’s Automatic Machines and the MIT Wavelength Tables”

Marijn Johannes Hollestelle, *Leiden Institute of Physics*, “Birds of a Feather? Paul Ehrenfest and Philip Kohnstamm as Sign of the Times.”

Kalil T. Swain Oldham, *University of California, Berkeley*, “Locating ‘Cause’ in “fin-de-siècle” Philosophy of Physics: Gustav Kirchhoff’s Importance for Helmholtz, Mach, and Boltzmann”

Ana Simões, *University of Lisbon*, “The Appropriation of Relativity by the Portuguese Astronomer Melo e Simas (1870-1934)”

Chair: **David Cassidy**, *Hofstra University*

ORIGINS OF THE HUMAN SCIENCES

Lee

Michael Carhart, *Old Dominion University*, “The Two Networks that Brought Blumenbach That Georgian Skull (and other curiosities from Göttingen, 1775-1806)”

Kevin Padraic Donnelly, *Brandeis University*, “Adolphe Quetelet: Professional Science, Social Theory, and the New Intellectual Hierarchy in Western Europe”

Samuel Talcott, *DePaul University*, “From Comte to Foucault and Beyond: A New History of the Social Sciences?”

Chris Renwick, *University of Leeds*, “Patrick Geddes and the Challenge of Defining Sociology in Late Nineteenth- and Early Twentieth-Century Britain”

Chair: **Hamilton Cravens**, *Iowa State University*

HSS
Sunday

WAYS OF SEEING IN NINETEENTH-CENTURY LIFE SCIENCE*Salon 6*

Emily Pawley, *University of Pennsylvania*, "Profitable Bodies: Images, Proportions and Animal Forms in Agricultural Improvement, 1810-1860"

Meegan Kennedy, *Florida State University*, "The Vastness of the Very Small: Imperialist Discourses in Nineteenth-Century British Microscopy"

Sarah de Rijcke, *University of Groningen*, "The Ways of the Neuron: Tracing the Circulation of Cajal's Neuron Doctrine (1888-1935)"

Stefan Bargheer, *University of Chicago*, "The Play of the Eye: The Emergence and Transformation of Ornithology in Great Britain, 1870-1930"

Jim Endersby, *University of Sussex*, "What Does a Species Look Like?"

Chair: **Judy Johns Schloegel**

IMMUNOLOGY, TOXICOLOGY, EPIDEMIOLOGY*Jefferson*

Aaron Pascal Mauck, *Harvard University*, "Chronic Disease Epidemiology and Institutional Change in American Medicine, 1935-1950"

Hendrik Aries Edeler, *ACTA, Academic Centre Dentistry Amsterdam*, "Historical View on the Dutch Debate about Water Fluoridation (1943-1988)"

Hyung Wook Park, *The University of Minnesota*, "The Shape of the Human Being as a Function of Time": Mathematics and Theories in Peter Brian Medawar's Research on Immunological Tolerance and Aging"

Karen Deane Ross, *Presbyterian College*, "The Laboratory's "Rich Harvest": Snake Venom and Experimental Immunology, 1900-1904"

Frederick R. Davis, *Florida State University*, "A Place for Toxicology: Origins of the University of Chicago Toxicity Laboratory"

Chair: **Joseph November**, *NIH*

SCIENCE EDUCATION IN THE NINETEENTH-CENTURY*Salon K*

Carin Berkowitz, *Cornell University*, "Pedagogical Cultures and Physiological Practice: Educational Institutions and Research Methodology in Early-Nineteenth-Century Britain"

Amy Ackerberg-Hastings, *University of Maryland University College*, "'The Acknowledged National Standard': Charles Davies,



A. S. Barnes, and Textbooks at Teaching Tools”

Melanie Keene, *University of Cambridge*, “Making Chemistry Your Cup of Tea: Nineteenth-century Object Lessons”

Michelle Hoffman, *University of Toronto*, “School Science and the Campaign for Technical Education in Ontario, 1890-1911”

Chair: **Amy Ackerberg-Hastings**, *University of Maryland University*

THE RISE OF MODERN BIOLOGICAL SUBSPECIALTIES

Jackson

Sungook Hong, *Seoul National University*, “Semon’s Meme and Schrödinger’s Gene: An Intellectual Influence”

Maxi Stadler, *Imperial College London*, “A.V. Hill and the Discipline of Interwar Biophysics”

James Strick, *Franklin and Marshall College*, “Lessons from the Living Cell: Export of Proteins from Cells and Debates over Artifact in Electron Microscopy, 1967-2007”

Doogab Yi, *Princeton University*, “Toward a Regulatory Vision of Development: Models for Animal Chromosomes and David Hogness’s Construction of Drosophila Recombinant DNA Libraries, 1967-1987”

Simone Wenkel, *Institute of Genetics, Cologne*, “The Reception of Seminal Molecular Biological Papers from 1945 - 1970. An International Comparison.”

Chair: **Margot Iverson**, *Illinois Institute of Technology*

ILLUMINATED VISIONS: ARTIFICIAL LIGHT AND PERCEPTION IN NINETEENTH-CENTURY BRITAIN

Salon J

Sharrona Pearl, *Harvard University*, “Seeing Clearly: Illumination on the Nineteenth-Century Stage”

Chris Otter, *Ohio State University*, “Electrifying Perception: Colour, Distance and Detail 1875-1900”

Chitra Ramalingam, *Harvard University*, “Electric Instantaneity: Spark Illumination and Photography in Nineteenth-century Britain”

Commentator: **Jennifer Tucker**, *Wesleyan University*

Chair: ***Chitra Ramalingam**, *Harvard University/Imperial College, London*

HSS
Sunday