



HSS Session Overview

ROOM KEY	SHAD – Shadyside CHUR – Churchill SEW – Sewickley FOX – Fox Chapel	VAND – Vandergrift CCA – Conf. Center A CCB – Conf. Center B CCC – Conf. Center C CCD – Conf. Center D OLIV – Oliver HEIN – Heinz PARKE – Parkview East PARKW – Parkview West
17th floor	ALLE – Allegheny MONO – Monongahela GB – Grand Ballroom URBA – Urban, Book Exhibit SKY – Sky Room PARD – Parlor D PARE – Parlor E PARF – Parlor F PARG – Parlor G	Mezzanine WELK – Lawrence Welk HOPE – Bob and Dolores Hope
First Floor	OAK – Oakmont	William Penn floor WPB – William Penn Ballroom STER – Sternwheeler RIVE – Riverboat TRI – Three Rivers
CHILDCARE AND FAMILY FRIENDLY ROOM	Thursday – Sewickley (First Floor) Friday-Sunday – Mt. Lebanon (First Floor)	See alpha-sorted key on inside cover

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

FRI – HSS Council Meeting

Innovation in the History of
Science Classroom

Thursday, 5:30-7:00 p.m.

MONO – Co-Plenary Roundtable:
 Climate Change Science,
 Environmental Challenges, and
 Cultural Anxiety
ALLE – Co-Plenary Workshop:
 Informational Session About Job
 Creation in HTSM Through
 UTeach Natural Sciences
HOPE – Co-Plenary Committee
 on Education Workshop:
 Instruments, Internet, and

Thursday, 7:00-7:45 p.m.

SKY – Welcome Orientation for
 First-time Attendees

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

GB – HSS/PSA Opening Reception

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

Chemical History Interest Dinner: The
 Carlton Restaurant, 500 Grant
 Street, \$40 pp.; \$20 student.

Thursday, 8:30 - 10:30 p.m.

ALLE – *Secrecy*, film with commentary by Peter Galison (director)

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

SKY – Women’s Caucus Business Meeting

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

HEIN – Comm. on Education Meeting

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

OAK – Language, Stories, and Mathematics

SKY – Scientific Nationalism and Modern East Asia

PARG – Audio/Visual: Techniques of Speech, Music and Signal

TRI – The Hard Parts: Paleontology and the Evolutionary Synthesis

MONO – Isolation or Co-operation? Discipline Formation and Multidisciplinarity in Philosophy of Science in America 1918-1968

SHAD – The Role of Scientific Expertise in Activist Movements

PARE/F – Standardization in 20th Century Medicine

FOX – Social Science Ideas, Methods, Ethics and Identity in Mid 20th-Century America

ALLE – Towards a History of Scientific Observation: Empiricism at Home and on the Move

PARD – The Culture of Cybernetics: Case-Studies from Soviet Russia & USA

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

TRI – From Dissertation to Book: A Roundtable on First-Time Scholarly Book Publication (Sponsored by GECC)

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

ALLE – Roundtable/Workshop: Electronic Scholarship and the History of Science, Technology and Medicine

Friday, 12:00 - 12:30 p.m.

RIVE – Business Meeting for the Forum for the History of Science in America

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

RIVE – Distinguished Scientist Lecture for the Forum for History of Science in America

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

HOPE – Mathematical Luncheon, (Courtesy of the Legacy of R.L. Moore Project and Coordinated by the International Commission on the History of Mathematics)

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

ALLE – Early Modern Arts and Images

SKY – Managerial Science in Post-War America

PARD – Women and Patriarchal Science

FOX – Science and Pedagogy

SHAD – 19th-Century Science and Technological Aims

OAK – The Christian Confrontation with Science

PARG – Instruments and Images in the 19th/20th Century
 PARE/F – The Project of Genetics
 MONO – Colonial Natural History in the Modern Era
 TRI – Medieval Science

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

PARE/F – The Ugliers of Nature: Observation and Aesthetics in the Oceans
 TRI – Intellectual Histories of 20th-century Biology: Discipline Building, Politics, and Philosophy
 PARG – The Eye Through Time
 FOX – To Market: A New Look at the Medical Marketplace
 PARD – Scientific Objects in Motion
 SHAD – Compelling Cosmogonies: World-building in Early Modern Natural Philosophy
 ALLE – Divergent Struggles in the Evolution of Relativity
 MONO – Animal Biographies
 OAK – Imperial Legacies of Early Modern Science
 SKY – Spaces and Places in the History of American Social Science

Friday, 5:00-6:00 p.m.

PARKE – HSS Committee on Research and the Profession

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

URBAN – Carnap Edition Reception, in hallway near Urban

Friday, 5:45 p.m.

OAK – Earth and Environment Forum Meeting

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

GB – HSS and PSA Reception

Friday, 9:30-11:00 p.m.

GB – Graduate Student Party (*Co-sponsored by GECC*)

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

PARKE – HSS Osiris Breakfast
 HEIN – HSS Committee on Meetings and Programs

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

ALLE – How Well Do “Facts” Travel?
 MONO – Physics, History, and Beyond: Seeing the World through Spencer Weart’s Eyes
 PARE/F – Human Sciences and Empire
 OAK – Science and Religion in Early Modern Europe
 SHAD – Negotiating the Human: Paleoanthropology’s Images, Objects, and Audiences
 PARG – Science, Politics, and Culture: New Perspectives on Science and Medicine in Modern East Asia and Beyond
 FOX – Studies in the Internationalization of Mathematics: Goals, Strategies, and the Outcomes in Nineteenth and Twentieth Centuries (*Sponsored by the International Commission for the History of Mathematics*)
 SKY – Communicating Knowledge: Changing Ideas of Risk, Uncertainty, and the Public in Twentieth-Century American Science

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

PARD – Crisis? What Crisis? Causes and Contexts of the Crisis in Psychology in Early 20th-century Europe

TRI – Genetics & Biomedicine

Saturday, 12:00-12:30 p.m.

WELK – Forum for the History of Human Sciences Business Meeting

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

PARKE – HSS Nominating Committee

CIII – Graduate Student Early Career Caucus Meeting/Luncheon, (Bring Your Own Lunch)

CHUR – Committee on Honors and Prizes

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

PARKW – HSS Committee on Publications

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

WELK – Forum for the History of Human Sciences Distinguished Lecture

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

PARG – Managing Risk: Assuaging Doubt

ALLE – Dimensions of a Scientific Career

PARE/F – Mechanism and Life in the 18th Century

OAK – Collectors and Museums

SHAD – Paradigms of Medical Science

PARD – Harvey and the 17th-

Century Science of Life

TRI – Science and the American Public

SKY – In Darwin's Day

MONO – Philosophical Perspectives on Experiments and Models

FOX – Ancient Science

URBA – Posters (Outside Book Exhibit Room)

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

PARG – The Order of Language: Forms of Print and Early Modern Natural Knowledge

SHAD – Desiderata, Errata, Queries: List-making and the Organization of Natural Knowledge, Material Goods, and the Community in Early Modern Science

PARE/F – Beauty and the Beast: Gender and Evolution at the Animal-Human Boundary

FOX – To Explain and Protect: A Century of Scientific Research on Children (*Sponsored by the Forum for the History of Human Science*)

PARD – Thinking with Machines

ALLE – Nuclear Bombs, Radiation, and Risk: The United States' Nuclear Weapons Program, 1945-1966

OAK – New Studies of Religion and Science in America and Great Britain

SKY – Science and Spectacle in 18th-century Europe

MONO – The Spread of the History of Science: Appropriations, Nationalisms, and Globalizations Since Basalla

TRI – Nervous Nellies: Neuroscience in the 20th Century

Saturday, 6:00-6:45 p.m.

GB – Announcement of 2008 Awards
and Prize Winners

Saturday, 6:50-7:50 p.m.

GB – History of Science Society
Distinguished Lecture

Saturday, 7:50-8:15 p.m.

GB – Cash Bar

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

GB – Society Dinner

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

SKY – History of Science Society
Business Meeting

Sunday, 9:30-10:30 a.m.

SKY – HSS Finance Committee

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

PARE/F – Animals, Biologists and
Their Common Habitat

TRI – Heredity After Darwin: The
Search for a Synthesis

OAK – Uncertainties: New
Directions in the Study of the Life
and Work of Werner Heisenberg

FOX – Vertical Geographies of Science

SHAD – Early Modern Science and
Medicine

MONO – Control and Scientific
Boundaries

ALLE – Organizing/Publicizing Science

Delegates who have volunteered to serve as mentors can be identified by their special name tags. Take the time to seek these mentors out and ask questions. They are there to help.

HSS 2008 Program

ROOM KEY

17th floor

ALLE – Allegheny
 MONO –
 Monongahela
 GB – Grand Ballroom
 URBA – Urban, Book
 Exhibit
 SKY – Sky Room
 PARD – Parlor D
 PARE – Parlor E
 PARF – Parlor F
 PARG – Parlor G

First Floor

OAK – Oakmont

SHAD – Shadyside
 CHUR – Churchill
 SEW – Sewickley
 FOX – Fox Chapel

Mezzanine

WELK – Lawrence
 Welk
 HOPE – Bob and
 Dolores Hope

Conference floor

FRI – Frick
 PHIP – Phipps
 CI – Carnegie I
 CII – Carnegie II
 CIII – Carnegie III

VAND – Vandergrift
 CCA – Conf. Center A
 CCB – Conf. Center B
 CCC – Conf. Center C
 CCD – Conf. Center D
 OLIV – Oliver
 HEIN – Heinz
 PARKE – Parkview East
 PARKW – Parkview
 West

William Penn floor

WPB – William Penn
 Ballroom
 STER – Sternwheeler
 RIVE – Riverboat
 TRI – Three Rivers I

See alpha-sorted key
 on inside cover

CHILDCARE AND FAMILY FRIENDLY ROOM

Thursday – Sewickley (First Floor)
 Friday-Sunday – Mt. Lebanon (First Floor)

(* Indicates Session Organizer)

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

HSS Council Meeting, Frick

Thursday, 5:30 -7:00 p.m.

**MONO – Co-Plenary Round-
 table: Climate Change Sci-
 ence, Environmental Chal-
 lenges, and Cultural Anxiety**

*James R. Fleming (Colby College)

**Romantic Climates: ‘A sunny plea-
 sure-dome with caves of ice!’**

Marilyn Gaull (Boston University)

Climatological Citizenship: The

Many Lives of a Modern Fetish

Vladimir Jankovic (University of
 Manchester)

‘Nuclear Winter’ and Global Climatic Change

Matthias Dörries (Université Louis
 Pasteur)

‘Educational Toys:’ The Evolution and Persistence of Simple Models of Climate Change

Spencer R. Weart (Center for the
 History of Physics, AIP)

Venus-Earth-Mars: Comparative Climatology and the Search for Life in the Solar System

Roger D. Launius (Smithsonian
 National Air and Space Museum)

ALLE – Co-Plenary Workshop: Informational Session About Job Creation in HTSM Through UTeach Natural Sciences

*Abigail Lustig (University of Texas at Austin), Mary Walker (University of Texas at Austin), Brett Bennett (University of Texas at Austin), Alberto Martinez (University of Texas at Austin), Bruce Hunt (University of Texas at Austin)

HOPE – Co-Plenary Committee on Education Workshop: Instruments, Internet, and Innovation in the History of Science Classroom

*Jessica Wang (University of British Columbia)

Reading Artifacts: On Teaching with Historic Scientific Instruments

Richard Kremer (Dartmouth College)

Teaching with Artifacts: The Museum Context

David Pantalony (Canada Science and Technology Museum)

Internet-Based Teaching Tools for History of Science Classes

Peter Ramberg (Truman State University)

Thursday, 7:00-7:45 p.m.

Welcome Orientation for First-time Attendees, Sky Room

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

HSS/PSA Reception. Welcome by University of Pittsburgh Provost, James Maher; introduction by Adolf Grunbaum, GB and URBA

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

Chemical History Interest Dinner: The Carlton Restaurant, 500 Grant Street, \$40 pp.; \$20 student.

Thursday, 8:30-10:30 p.m.

Secrecy, film with commentary by Peter Galison (director), Allegheny

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

Women's Caucus Business Meeting, Sky Room

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

Comm. on Education Meeting, Heinz

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

OAK – Language, Stories, and Mathematics

Ted Porter (University of California, Los Angeles), Chair

Mathematical Poetics: How Mathematics Became an Art in the 19th Century

*Amir Alexander (UCLA)

The Logic of Women: Words and Reason in the World of Sophia De Morgan

Joan Richards (Brown University)

Modes of Meaning in Seventeenth-Century Mathematics

Jacqueline Wernimont (Brown University)

Formalism and its Discontents: The Danger of Frivolous Mathematics in the Mid-Enlightenment

Matthew Jones (Columbia University)

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

SKY – Scientific Nationalism and Modern East Asia

Jessica Wang (University of British Columbia), Commentator

A Model of Modernity? Chinese American Scientists in China Since 1971

Zuoyue Wang (CSU Pomona/Harvey Mudd)

Scientific Nationalism in Japan

*Hiromi Mizuno (University of Minnesota)

'Let's Have the Proper Number of Children and Bring Them Up Well!': Family Planning, Biomedicine, and Nation-Building in South Korea, 1961-1968

*John DiMoia (National University of Singapore)

Science, Technical Aid, and Tinkering with Mainframe Computing in Cold War Taiwan, 1955-1965

Honghong Tinn (Cornell University)

PARG – Audio/Visual: Techniques of Speech, Music and Signal

Fantastic Instruments: Berlioz, Meyerbeer, and the Foucault Connection

*John Tresch (University of Pennsylvania)

From Acoustic Image to Sacred Vibrations: Experimental Phonetics and the Invention of Free Verse Poetry in Fin de Siècle France

Robert Brain (University of British Columbia)

Tracing Beauty: A Pianist's Collection of Fingerprints in Experimental Psychology Around 1900

Julia Kursell (Max Planck Institute)

Signal and Noise: The History of the Audiogram

*Mara Mills (University of Pennsylvania)

TRI – The Hard Parts: Paleontology and the Evolutionary Synthesis

William B. Provine (Cornell University), Chair

The Complexities of Consistency: Sewall Wright, George Gaylord Simpson and Modeling Evolution

*Miranda Paton (Paleontological Research Institution)

The 'Species Concept' and the Growth of Paleobiology

David Sepkoski (University of North Carolina-Wilmington)

Of Babies and Bathwater: Osborn, Gould, the Synthesis and Paleontology

Warren D. Allmon (Paleontological Research Institution/Cornell)

German Paleontologists vs. Intelligent Designists

Patricia Princehouse (Case Western Reserve University)

Random Drift and the Evolutionary Synthesis

William B. Provine (Cornell University)

MONO – Isolation or Co-operation? Discipline Formation and Multidisciplinarity in Philosophy of Science in America 1918-1968

*Alan Richardson (University of British Columbia), Chair

The Philosophy of Science Association as an Interdisciplinary Society

Heather Douglas (University of Tennessee)

A ‘Coalition Dominated by the Unorthodox’: The Beginning of the Philosophy of Science Association

Gary Hardcastle (Bloomsburg University)

The Ecumenical Moment: Philosophy of Science, Scientific Philosophy, and Philosophical Science in Interwar America

Joel Isaac (University of London)

Edgar A. Singer, Jr., and American Experimentalism: From Philosophy of Science to Social Science, 1930-1955

Alan Richardson (University of British Columbia)

SHAD – The Role of Scientific Expertise in Activist Movements

*Lisa Rumié (York University), Chair

Sex and Death in the Rational World of Scientist Activists: The Activism of Union of Concerned Scientists from 1980 to 1986

Lisa Rumié (York University)

‘An Elaborate Way of Committing National Suicide’: Carl Sagan,

Popularization, and Nuclear Winter

Paul Rubinson (University of Texas)

Turning ‘Ordinary Housewives’ into ‘Opinion Makers’: The Scientists’ Movement, the NCAI, and the Nascent Public

Megan Barnhart (University of Minnesota)

‘The Quickening Conscience’: Scientists Protest Agent Orange

Amy Hay (University of Texas - Pan American)

Advocating Ecological Practices as Environmental Activism: Frank Egler and Rights-of-way Management in the 1950s and 1960s

Zach Falck (Independent Scholar)

PARE/F – Standardization in 20th Century Medicine

Nicolas Rasmussen (University of New South Wales), Chair

Standardization and the History of the Medical Sciences

*Jonathan Simon (Université Lyon 1)

From Arrow Poison to IV Drug: African Plant Seeds, C.F. Boehringer Co. and the Question of Standard Drugs, 1900-1930

Christian Bonah (Université Louis Pasteur, Strasbourg)

Classifying Cancers, Standardizing Practice

Tricia Close-Koenig (Université Louis Pasteur Strasbourg)

Standardizing Values - the Value of Standardization. Implementation of Serotherapy as Model of Modern Drug Regulation in France and Germany, 1894-1900

Volker Hess (Charité, Berlin)

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

FOX – Social Science Ideas, Methods, Ethics and Identity in Mid 20th-Century America

Sarah Igo (University of Pennsylvania), Commentator

Laura Stark (Northwestern University), Chair

The Psychology Experiment as Coercion

Jill Morawski (Wesleyan)

Harry Alpert's Adventure on the Endless Frontier: What is This Thing Called Social Science?

*Mark Solovey (University of Toronto)

Database of Dreams: Toward A Postwar American Science of Subjectivity

Rebecca Lemov (Harvard University)

Behavioral Endocrinology, Bisexual Rats, and 'the Straight State'

Michael Pettit (York University)

ALLE – Towards a History of Scientific Observation: Empiricism at Home and on the Move

Michael Gordin (Princeton University), Chair

Watching and Waiting: Observation in Medieval Theory and Practice

Katharine Park (Harvard University)

Collective Observation in Early Modern Europe

Lorraine Daston (Max Planck Institute for the History of Science)

The Geography of Observation: Natural History, Place, and Visibility in the 18th-century Spanish Empire

Daniela Bleichmar (University of Southern California)

Frogs on the Mantelpiece: Glimpses into the Observing Life

*Mary Terrall (UCLA)

Sorting Things Out: The Economist as an Armchair Observer

Harro Maas (University of Amsterdam)

PARD – The Culture of Cybernetics: Case-Studies from Soviet Russia & USA

Philipp von Hilgers (Humboldt University, Berlin), Commentator

Design of Control Rooms: Russia Under Brezhnev

*Margareta Tillberg (Max Planck Institute for the History of Science)

Cybernetics as Model in Russian Philosophy from the Modernist Age to Nowadays Thinking

Mirjam Goller (Humboldt University, Berlin)

Toward the Humanistic Calculus: The Formalist Renaissance in Soviet Linguistics, 1950-1963

Maxim Waldstein (Leiden University)

Psychocybernetics in 20th-Century USA

Stefan Rieger (Ruhr-Universität, Bochum)

Friday, 12:00 - 12:30 p.m.

Business Meeting for the Forum for the History of Science in America, Riverboat

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

TRI – From Dissertation to Book: A Roundtable on First-Time Scholarly Book Publication

Sponsored by GECC

*Jacqueline Wernimont (Brown University), *Roger Turner (University of Pennsylvania), Karen Darling (The

University of Chicago Press), Doreen Valentine (Rutgers University Press), Marguerite Avery (The MIT Press)

ALLE – Roundtable/Workshop: Electronic Scholarship and the History of Science, Technology and Medicine

*Sarah Lowengard (Independent Scholar), Chair; *Maria Rentezi (National Technical University of Athens); Brett Bobley (National Endowment for the Humanities); Ben Cohen (University of Virginia); Stephen Greenberg (NIH/NLM); Scott W. Palmer (University of Western Illinois); Urs Schoepflin (Max Planck Institute for the History of Science); Joachim Schummer (editor HYLE); Audra Wolfe (CHF)

CCB – Luncheon Discussion: Philosophy of Science in the Public Domain, Bending Science: Legal, Historical, and Philosophical Concerns

Sandra Mitchell (Pittsburgh), Chair
Speakers: Wendy Wagner (Case Western), Naomi Oreskes (UCSD), and Nancy Cartwright (LSE)

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

RIVE – Distinguished Scientist Lecture for the Forum for History of Science in America

‘Culling the Herd’: Eugenics and the Conservation Movement in the U.S., 1890-1940

Garland Allen (Washington University)

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

Mathematical Luncheon, Hope Room (Courtesy of the Legacy of R.L. Moore Project. Coordinated by the International Commission on the History of Mathematics)

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

ALLE – Early Modern Arts and Images

Jean-Francois Gauvin (Harvard University), Chair

Faithornes, ‘The Art of Graveing,’ a Language of Accuracy and the Royal Society

Meghan Doherty (University of Wisconsin-Madison)

Builders and Users: The Académie Royale des Sciences and the Construction of the Paris Observatoire

Katherine Reinhart (The Johns Hopkins University)

Collaborators or Competitors? The Astronomical Correspondence of G-D Cassini and John Flamsteed

Voula Saridakis (Lake Forest College)

The Emperor and the Alchemist: Habsburg Patronage of Alchemy and its Impact on the Arts

Sally Metzler (Independent Scholar)

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

SKY – Managerial Science in Post-War America

Mario Eraso (Ewing Marion Kauffmann Foundation), Chair

The Cold War Modeling Nexus of Economics, Operations Research, and Control Engineering at the Carnegie Institute of Technology

Judy Klein (Mary Baldwin College)

The Role of Technological Advance in the History of Scientific Practice

Isaac Record (Institute for the History and Philosophy of Science and Technology)

Literally Above Politics?: NASA, the Deep Space Network, the Congressional Black Caucus, and Apartheid South Africa

Benjamin Wang (Cornell University)

Bringing the Future Closer: The Emergence of the U.S. Academic Supercomputer Centers 1980-1990

Kevin Walsh (University of California, San Diego)

PARD – Women and Patriarchal Science

Wendy Zirngibl (Montana State University), Chair

Five Ways of Being a Scientific Phallocrat: Auguste Comte's Biological Arguments for the Subjection of Women

Vincent Guillin (College de France)

Conducting Science: The Different Roles of Physical Geography

Michal Meyer (University of Florida)

Gentle-women at London: Gender and the Rise of the Weather Instrument

Brant Vogel (Independent Scholar)

Invisible Work in the Scientific

Family: The Case of Early Twentieth-Century Swedish Geology

Staffan Wennerholm (Uppsala University)

FOX – Science and Pedagogy

Nancy Hall (University of Delaware), Chair

Show and Tell: Teaching Natural Philosophy in the American Colonies

Nicholas Spicher (The Johns Hopkins University)

A 'certain compulsion upon the authorities': 19th-century Competitive Written Examinations, Objectivity, and Educational Reform

James Elwick (York University)

Disciplining the Mind: Mathematics as the Cold War Subject

Christopher Phillips (Harvard University)

From Johnny to Chomsky

Philip Loring (Harvard University),

SHAD – 19th-Century Science and Technological Aims

Sharrona Pearl (University of Pennsylvania), Chair

Purity vs. Property? The Patenting Context of Constructing 'Pure' and 'Applied' Electricity 1880-1920

Graeme Gooday (presenter) & Efstathios Arapostathis (University of Leeds)

Taking Aim at Physics: The Ballistic Pendulum, Physics Concepts and Rifle Marksmanship

Bruce Hevly (University of Washington)

Indian War Rocket: A World Class Technology by Local Artisans

H. M. Jaim (Bangladesh University)

Mining Science and Mining Law on the Comstock Lode

Paul Lucier (Independent Scholar)

OAK – The Christian Confrontation with Science

John Lynch (Arizona State University), Chair

The Germ in the Chalice: A Case When Science Met the Sacred

Matt Gunterman (Yale University)

Sacralized Health and Social Reform: Protestant and Catholic Reactions to Syphilis in America, 1900-1914

Samantha Muka (Florida State University)

Race and Creationism in Europe

Adam Shapiro (University of British Columbia)

PARG – Instruments and Images in the 19th/20th Century

Richard Kremer (Dartmouth), Chair

Representation and Intervention: Visualizing the Pathogenesis of Myocardial Infarction, 1970-1990

David Jones (MIT)

Adulteration and the Microscope: The Limits of Revelation

Meegan Kennedy (Florida State University)

Observation and the Hand: Observing Books and Nebular Research

Omar Nasim (Max Planck Institute for the History of Science)

Observation and the Photographic Method in the Laboratory of the Becquerels

Kelley Wilder (De Montfort University)

PARE/F – The Project of Genetics

Robert Olby (University of Pittsburgh), Chair

German Émigré Geneticists in America, 1930s & 1940s

Melinda Gormley (Oregon State University)

Pricing Thrifty Genes: Chronic Disease and the Thrifty Gene Controversy, 1962-1989

Aaron Mauck (Harvard University)

Photo #51, the CCV Theory, and the Discovery of the DNA Structure

Samuel Schindler (University of Leeds)

The Roots of Organismic Thinking in Systems Biology

Ulrich Krohs (University of Hamburg)

MONO – Colonial Natural History in the Modern Era

Deepanwita Dasgupta (University of Minnesota), Chair

Globalizing the Strange: The Science of 19th Century Madagascar

Thomas Anderson (Binghamton University)

William Jones and S. N. Bose: Scientific Consensus, Intellectual Authority and the Dynamics of Scientific Knowledge-Making in Colonial India

Deepanwita Dasgupta (University of Minnesota)

Breaking Through: Meteors and Universal Knowledge in Colonial South Africa

Elizabeth Green Musselman (Southwestern University)

The Ancient Land of Sheba: Value and Exploration in Early 20th-century America

Lukas Rieppel (Harvard University)

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

TRI- Medieval Science

Alain Touwaide (Smithsonian Institution), Chair

The Power of Places: Ethnogeography in Thirteenth Century Dominican and Franciscan Missions Accounts

Temitope Charlton (Harvard University)

The Achievements of Albuscasis in Neurosurgery

Abdul Nasser Kaadan (Aleppo University)

Necromancy, Celestial Divination, and the Introduction of Arabic Science into England, c. 1050-1125

Elly Truitt (Bryn Mawr College)

Boethius and the *Consolatio quadrivii*

Michael Fournier (Dalhousie University)

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

PARE/F – The Uglies of Nature: Observation and Aesthetics in the Oceans

*Katharine Anderson (York University), Chair

Jonathan Smith (University of Michigan, Dearborn), Commentator

The Scientist and the Reef: Coral and the Nature of Ocean Life

Katharine Anderson (York University)

Nature's 'Rejectamenta': Seaweeds and the Scientific Observer

Anne Secord (University of Cambridge)

Cultivating a Sense of Wonder: William Beebe, Rachel Carson and 20th Century Oceanic Natural History

Gary Kroll (SUNY Plattsburgh)

TRI – Intellectual Histories of 20th-century Biology: Discipline Building, Politics, and Philosophy

Betty Smocovitis (University of Florida), Commentator

Holism in Early Sexology: Biological and Philosophical Contexts

*Jason Byron (University of Pittsburgh), Chair

John Burdon Sanderson Haldane's Intellectual Heritage

*Thomas Cunningham (University of Pittsburgh), Co-chair

Dobzhansky's Evolutionary Genetics: Natural Populations or Mirroring Morgan?

Matthew Dunn (Indiana University)

PARG –The Eye Through Time

Architectures of Communication: Cybernetics, Temporality, and Perception in Post-War American Design

*Orit Halpern (New School for Social Research), Chair

An Eye for an Eye: On Cinematographic Morality

Jimena Canales (Harvard University)

Deep Frame: Picturing the Body in Early Cinema

Despina Kakoudaki (American University)

Impressed Images

Josh Ellenbogen (University of Pittsburgh)

FOX – To Market: A New Look at the Medical Marketplace

*Suzanne Fischer (University of Minnesota), Commentator

Gwen Kay (SUNY-Oswego), Chair

Competitive Education: Pharmaceutical Marketing and the

Dissemination of Medical Innovation

Jeremy Greene (Harvard University)

Marketing Measurement: Anthropometric Technologies in the American Marketplace

Deborah Levine (Washington University)

Apologia for Quackery: Medical Entrepreneurship and the Problem of Efficacy

Suzanne Fischer (University of Minnesota)

PARD – Scientific Objects in Motion

Adelheid Voskuhl (Harvard University), Commentator

Objects in Motion: Networks, Trust and Science in the Eastern Mediterranean

*Avner Ben-Zaken (Harvard Society of Fellows), Chair

Encyclopedias and the Long-distance Exchange of Specimens

*Daniel Margocsy (Harvard University)

Circulating Knowledge or Superstition?

Koen Vermeir (University of Leuven)

SHADY – Compelling Cosmogonies: World-building in Early Modern Natural Philosophy

*Allison Kavey (CUNY John Jay College), Chair

Lawrence Principe (The Johns Hopkins University), Commentator

Complementary Cosmogonies: Paracelsus on the Creations by God the Father and God the Son

*Dane Daniel (Wright State University)

‘The Mistriss of Her Own Operation.’ The Relationship between the

Divine and the Natural and the Potential for Practitioners in Agrippa’s Cosmogony

Allison Kavey (CUNY John Jay College)

The Astrological Cosmos of Johannes Kepler

Sheila Rabin (St Peter’s College)

ALLE – Divergent Struggles in the Evolution of Relativity

Richard Staley (University of Wisconsin, Madison), Chair & Commentator

From Ampère’s Kinematics to Einstein’s Relativity

*Alberto Martínez (University of Texas at Austin)

Cambridge Dynamics and German Relativity, 1909-1915

Scott Walter (Université Nancy 2, France)

‘Not Only Because of Theory’: Eddington and His Theory-Testing Bias in the 1919 Eclipse Expedition

Daniel Kennefick (University of Arkansas)

MONO – Animal Biographies

Gregg Mitman (University of Wisconsin, Madison), Chair & Commentator

Seeing the Gorilla

Janet Browne (Harvard University)

Western Science and the Octopus: The Unkept Promises of a Laboratory Animal

Fabio de Sio (Naples Zoological Station, Italy)

Bees of the Hive

*Tania Munz (Max Planck Institute for the History of Science)

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

OAK – Imperial Legacies of Early Modern Science

Larry Stewart (University of Saskatchewan), Chair & Commentator

Trading Zone or Battleground? Power, Knowledge, and ‘Nature’ in 17th-century New France

Steven James Harris (Harvard University)

Local Experts, Imperial Agents, and Experience as Common Ground: The Sixteenth-Century Science of the Atlantic World

Antonio Barrera-Osorio (Colgate University)

Government by Questionnaire: Epistemic Technique as Political Technology in the Early Modern English Atlantic World

*Matthew Underwood (Harvard University)

SKY – Spaces and Places in the History of American Social Science

James Capshew (Indiana University), Chair & Commentator

The Mind in the Urban Jungle: Chicago’s Psychology in the 1890s

Christopher Green (York University)

Private Words, Private Actions: The ‘MIT Space’ and Chomskyan Linguistics, 1957-1968

Janet Martin-Nielsen (University of Toronto)

Putting Behavior in its Place: The Sites and Spaces of Behavior Modification, 1950s-1970s

*Alexandra Rutherford (York University)

Friday, 5:00–6:00 p.m.

HSS Committee on Research and the Profession, Parkview East

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

Carnap Edition Reception, in hall-way near Urban Room

Friday, 5:45 p.m.

Earth and Environment Forum Meeting, Oakmont

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

HSS and PSA Reception, Grand Ballroom

Friday, 9:30-11:00 p.m.

Graduate Student Party, Grand Ballroom

Co-sponsored by GECC

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

HSS Osiris Breakfast, Parkview East

HSS Committee on Meetings and Programs, Heinz

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

ALLE – How Well Do “Facts” Travel?

*Mary Morgan (London School of Economics & University of Amsterdam), Chair & Commentator

You Can Argue with the Facts: A Political History of Climate Change

Naomi Oreskes (University of California, San Diego)

Scientific Facts and Building Artefacts

Simona Valeriani (London School of Economics)

Archaeological Facts in Transit

Alison Wylie (University of Washington)

Cases as 'Fact Carriers' in Contemporary Medicine

Rachel Ankeny (University of Adelaide)

MONO – Physics, History, and Beyond: Seeing the World through Spencer Weart's Eyes

*David Kaiser (MIT), Chair

*Patrick McCray (University of California, Santa Barbara)

Spencer Weart (American Institute of Physics), Commentator

Scientists in Power: Pioneering the Modern History of Physics

Mary Jo Nye (Oregon State University)

Nuclear Images, Nuclear Imaginaries, Nuclear Fears: Cultural History Beyond 'The Public'

Ellen Bales (University of California, Berkeley)

'More is Different', or 'the transition from quantity to quality'

Alexei Kojevnikov (University of British Columbia)

The 'Social Discovery' of Global Warming

Deborah Coen (Barnard College, Columbia University)

PARE/F – Human Sciences and Empire

John Jackson (University of Colorado-Boulder) Chair & Commentator

Empiricism and Empire: Robert

Owen's Scotland in the Romantic Age

Cornelia Lambert (University of Oklahoma)

Serving the Empire: Nineteenth-century Women Archaeologists in the Field

Kathleen Sheppard (University of Oklahoma)

From Tropical Agriculture to Ethnobotany: Trajectories of American Agricultural Science in the Philippines, 1898-1946

Theresa Ventura (Columbia University)

Race Crossing in Hawai'i: Harry L. Shapiro and the Chinese-Hawaiian Project, 1926-1936

*Christine Manganaro (University of Minnesota)

OAK – Science and Religion in Early Modern Europe

*Margaret J. Osler (University of Calgary), Chair

God and Early Modern Natural Philosophy

*Peter Harrison (Harris Manchester College, Oxford)

Kircher's Singing Cats, or, Syncretism as Catholicism

Mark Waddell (Michigan State University)

Isaac Newton: Biblicist or Deist?

John Henry (University of Edinburgh)

What Does Religion Have to Do with the Scientific Revolution?

Margaret J. Osler (University of Calgary)

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

SHAD – Negotiating the Human: Paleoanthropology's Images, Objects, and Audiences

*Jesse Richmond (University of California, San Diego), Chair

Humanity's Uncertain Boundaries Until the 1930s: A Late Consensus on Slow Zoological and Paleontological Surveys

Richard Delisle (University of Chicago)

Defending Australopithecus as a Human Ancestor: Raymond Dart, the Osteodontokeratic, and Tool-use as a Criterion for Establishing the Phylogenetic Status of Hominids

Matthew Goodrum (Virginia Tech)

Le Gros Clark vs. Zuckerman: Reckoning Ancestry and Expertise in Post-war Paleoanthropology

Jesse Richmond (University of California, San Diego)

PARG – Science, Politics, and Culture: New Perspectives on Science and Medicine in Modern East Asia and Beyond

*Yibao Xu (Borough of Manhattan Community College of the City University of New York), Commentator & Chair

An American Entomology in China: J. G. Needham and His Chinese Colleagues

Fa-ti Fan (The State University of New York at Binghamton)

One Doctrine, Two Different Consequences: The Contentions of Relativity in China and the Soviet Union

*Danian Hu (The City College of New York)

When Did Chinese Medicine Become Korean?: 'Local Botanicals' in the Korean Tradition of Medicine

Soyoung Suh (University of California at Los Angeles)

Beyond Changing Symbols: The Transmission of the Calculus to China and Japan in the Nineteenth Century

Chia-Hua Lee (University of Tokyo)

A Glacial Reception: Li Siguang, Quaternary Geology and Politics of Scientific Persuasion

Grace Shen (York University)

FOX – Studies in the Internationalization of Mathematics: Goals, Strategies, and the Outcomes in Nineteenth and Twentieth Centuries

Sponsored by the International Commission for the History of Mathematics

Deborah Kent (Hillsdale College), Chair

The Internationalization of Mathematics in a World of Nations: 1800-1960

*Karen Parshall (University of Virginia)

Western Mathematics in the Middle Kingdom: Elite versus Grass Roots Strategies

Joe Dauben (City University of New York)

Mathematics at World's Fairs: Chicago 1893 and St. Louis 1904

David Zitarelli (Temple University)

Gertrude Cox in Africa: A Case Study in Science Patronage and International Statistics Education in the Cold War

*Patti Hunter (Westmont College)

SKY – Communicating Knowledge: Changing Ideas of Risk, Uncertainty, and the Public in Twentieth-Century American Science

*Michael Egan (McMaster University), Chair

Vernacular Knowledge and Expertise: The Center for the Biology of Natural Systems and the Science of the Environmental Crisis

Michael Egan (McMaster University)

Fighting Fat: The USDA, the Cold War, and Standards of Bodily ‘Fitness’

Kelly Moore (University of Cincinnati)

Making Sense of Human Biomonitoring Studies: The Evolving Politics of Communicating Exposure Results by Governments, Industries, and NGOs

Jody Roberts (Chemical Heritage Foundation)

‘Known Knowns,’ ‘Known Unknowns,’ and ‘Unknown Unknowns’: Communicating the Risks of Bisphenol A in the Plastics Age, Late 1970s to the Present

Sarah Vogel (Columbia University)

PARD – Crisis? What Crisis? Causes and Contexts of the Crisis in Psychology in Early 20th-century Europe

Francesca Bordogna (Northwestern University), Commentator

Bühler’s Crisis of Psychology and the Origins of Popper’s Critical Rationalism

Thomas Sturm (presenter) & Annette Mülberger (Universitat Autònoma de Barcelona)

Cries of ‘Crisis’ in Turn-of-the-Century French Psychology

John Carson (University of Michigan)

Koehler, Koffka, and the ‘Crisis’ in Psychology

Gary Hatfield (University of Pennsylvania)

Edmund Husserl and the Crisis of Philosophy

*Uljana Feest (Technische Universität, Berlin)

TRI–Genetics & Biomedicine

M. Susan Lindee (University of Pennsylvania), Commentator

Why is Victor McKusick Considered the ‘Father of Medical Genetics’?

Nathaniel Comfort (The Johns Hopkins University)

Artificial Radioisotopes and Cancer: Experimental Therapies, Diagnostic Methods, and Risk in the Atomic Age

*Angela Creager (Princeton University), Chair

Genetics and Public Health in the 1960s

Soraya de Chadarevian (UCLA)

Heredity in the Clinic: Early Cytogenetics from London to Madrid, 1956–1966

Maria Jesús Santesmases (Consejo Superior de Investigaciones Científicas, Madrid)

Saturday, 12:00–12:30 p.m.

Forum for the History of Human Sciences Business Meeting, Welk

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

HSS Nominating Committee,
Parkview East

Graduate Student Early Career
Caucus Meeting/Luncheon,
Carnegie III (*Bring Own Lunch*)

Committee on Honors and
Prizes, Churchill

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

HSS Committee on Publications,
Parkview West

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

WELK – Forum for the History of Human Sciences Distinguished Lecture

Personal Equations: Reflections on the History of Fieldwork, with Special Reference to British Anthropology

Henrika Kuklick (University of Pennsylvania)

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

PARG – Managing Risk: Assuaging Doubt

Fritz Davis (Florida State University), Chair

Risky Drinking: Conceptions of Risk in Debates about Prohibition, 1900-1920

Grischa Metlay (Harvard University)

Regulating ALARA – as Low as Reasonably Achievable? Health-Physics Practice and Profession

Ioanna Semendeferi (University of Houston)

‘Our ‘doubts’ in fact appear to me as sacred’: William Froude, Test Tanks and Victorian Doubt

Don Leggett (University of Kent)

ALLE – Dimensions of a Scientific Career

Paul Halpern (University of the Sciences in Philadelphia), Chair

The Tragic Final Years of Paul Ehrenfest

Paul Halpern (University of the Sciences in Philadelphia)

When Science is Paradise: Research and Boundaries in Astrid Cleve von Euler’s Scientific Career

Kristina Espmark (Umeå University, Sweden)

Women of Science and Wife of a Scientist: Ida Noddack-Tacke, (1896-1978)

Brigitte Van Tiggelen (Independent Scholar) & Annette Lykknes (Norwegian University of Science and Technology)

Planck’s Unification of Physics within German Liberal Culture

Edward Jurkowitz (Illinois Institute of Technology)

PARE/F – Mechanism and Life in the 18th Century

Sara Miles (Esperanza College, Eastern University), Chair

Why Did Nobody Ever Discover Photosynthesis? Dr. Ingen Housz and the Discovery of Photosynthesis

Geerdt Magiels (VUB Free University Brussels)

Mediating Models and Machines: John Smeaton and the Interactions between Natural Philosophy and Engineering in 18th-century Britain

Minwoo Seo (Seoul National University)

Playing Music on a Weaving Machine: The Relation between Nature, Science, and Technique in Charles Bonnet's Statue of Organized Bodies

Tobias Cheung (Humboldt-University Berlin)

Man as Machine, Man as Plant: Analogies of the Body in La

Mettrie's *L'homme plante*

Lynnette Regouby (University of Wisconsin, Madison)

OAK – Collectors and Museums

Bruno Strasser (Yale University), Chair

Specimen, née Example: Zoological: Objects of Inquiry since 1655

Taika Dahlbom (University of Turku, Finland)

Arctic Exploration & Ethnological Collecting in Historical and Contemporary Perspective

Amy Margaris (Oberlin College) and Linda T. Grimm (Oberlin College)

Between Science and History: Archaeological Conceptions of the Past in Nineteenth-Century America

Conor Burns (York University)

Science or Spectacle: The Tale of a False Dichotomy

Sarah Mitchell (University of Southampton)

SHAD – Paradigms of Medical Science

Warwick Anderson (University of Sydney/University of Wisconsin, Madison), Chair

Attitude musulman maghrébine devant la folie and *Le phénomène*

de l'agitation en milieu psychiatrique: An Extended Critique of Psychiatry in the West

Mazi Allen (Saint Mary's College of California)

Living Versus Dead: The Making of the Semple Anti-rabic Vaccine

Pratik Chakrabarti (University of Kent at Canterbury)

From Public Health to Eugenics: The 1937 Typhus Epidemic in Istanbul

Sanem Guvenc-Salgirli (State University of New York at Binghamton)

What is 'Colonial' about Colonial Medicine and Science?

Eun Jeong Ma (Cornell University)

PARD – Harvey and the 17th-Century Science of Life

Mordechai Feingold (California Institute of Technology), Chair

De Artificio Mechanico Musculorum: The Mechanical Problems in William Harvey's *De motu locali animalium*

Peter Distelzweig (University of Pittsburgh)

De Generatione Animalium and the New Science

Benjamin Goldberg (University of Pittsburgh)

Language of the Heart: The Mingling of Metaphoric and Literal References to the Heart and Blood in the Writings of Harvey and His Contemporaries

Randy Kidd (Bradley University)

Thomas Willis's Experimental Chemical Anatomy

Joel Klein (Indiana University)

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

TRI – Science and the American Public

Giny Cheong (George Mason University), Chair

Scientific Americans: Nuclear Physics and Nationalism after Hiroshima

David Hecht (Bowdoin College)

Confusing Deliberation: What ‘cloning’ Means for Democracy

James Hurlbut (Harvard University)

Martian Madness: Orson Welles’ ‘War of the Worlds’ and the Construction of Mass Panic as a Response to Advances in Science and Technology, 1938-2003

Daniel Thurs (University of Portland)

‘A Far-Out Device’: Confronting the Thrilling, People-Killing Neutron Bomb in Carter-Era America

Matt Tribbe (University of Texas at Austin)

SKY – In Darwin’s Day

Rebecca Kinraide (Boston University), Chair

Continuity in Scientific Concept Use: Homology in the 19th Century before and after Darwin

Ingo Brigandt (University of Alberta)

Did the Land Rise or the Seas

Recede? Robert Chambers’s *Ancient Sea-Margins*: Its Contribution to 19th-Century Scientific Controversy

Sondra Cooney (Kent State University)

William Bateson’s Unacknowledged Debt to Charles Darwin’s Research Associate George Romanes

Donald Forsdyke (Queen’s University, Canada)

MONO – Philosophical Perspectives on Experiments and Models

Jacob Stegenga (University of California, San Diego), Chair

Electrolysis before the Modern Ionic Theory: Underdetermination, Closure and Pluralism

Hasok Chang (University College, London)

Comparative Study of Experimentation in the Physical Sciences in the 17th and 18th Centuries

Paolo Palmieri (speaker) (University of Pittsburgh), Eric Hatleback (University of Pittsburgh), & Elay Sheeh (University of Pittsburgh)

John Dalton: From Puzzles to Chemistry by Way of Meteorology

Karen Zwier (University of Pittsburgh)

Gravity & Newton’s Substance Counting Problem

Hylarie Kochiras (University of North Carolina at Chapel Hill)

FOX –Ancient Science

Edith Sylla (North Carolina State University), Chair

Perspective in Ptolemy’s *Almagest* and *Planetary Hypotheses*

Elizabeth Burns (University of Toronto)

Aristotle’s Account of Vision as Instrumental to His Account of Thinking in *De Anima*

Eli Diamond (Dalhousie University)

The Moral Dimension of Galen’s Ideal Doctor

Marco Viniegra (Harvard University)

URBA – Posters

Outside Book Exhibit Room (Urban)

Joseph C. Arthur [1850-1942]: First Proof of Bacteria as the Cause of

Plant Disease

Grant Barkley (Kent State University)

The Common View of Michelson's Experiment

Harry Mark (Independent Scholar)

Comics in the TV Weather Report

Roger Turner (University of Pennsylvania)

Nanoimage Work at the Exploratorium's Viz Lab

Kathryn Vignone (Cornell University)

Francis Crick's Golden Helix

Robert Olby (University of Pittsburgh)

Science, Art, and the Perception of Nature: Maria Sybilla Merian and Alexander Von Humboldt in the New World

Tamara Caulkins (Central Washington University)

Saturday, 3:30-5:30 p.m.**PARG – The Order of Language: Forms of Print and Early Modern Natural Knowledge**

Adrian Johns (University of Chicago), Chair

The Order of Things: Translating Chinese and Arabic Nature In Early Modernity

Carla Nappi (Montana State University)

Languages, Circulation and Authorship: Publication and Translation of Albrecht von Haller's Dissertation on Irritability

Kevin Chang (Academia Sinica)

The Grammar of Anthropology: Hugh Blair, Print Culture and Human Origins

*Matthew Eddy, Durham University,

SHAD – Desiderata, Errata, Queries: List-making and the Organization of Natural Knowledge, Material Goods, and the Community in Early Modern Science

Pamela Smith (Columbia University), Chair & Commenter

The Desiderata List: Collecting the Future in the Early Modern Past

Vera Keller (McGill University)

Letters and Lists for Practical Botanisers: Apothecaries Think Natural Knowledge in Sixteenth-Century Venice

Valentina Pugliano (Oxford University)

Papering the Counties: Circulation and Use of Query Lists in Seventeenth-Century British Natural History

*Elizabeth Yale (Harvard University)

PARE/F – Beauty and the Beast: Gender and Evolution at the Animal-Human Boundary

Abigail Lustig (The University of Texas at Austin), Chair & Commentator

Bearded Ladies, Hypertrichosis, and Evolutionary Anxieties about Gender, 1878-190

*Kimberly Hamlin (Miami University, Ohio)

The Problem with Beauty: Aesthetics, Rationality, and Female 'Choice'

*Erika Lorraine Milam (Max Planck Institute for the History of Science)

Gender and Aggression in 1960s Popular Ethology

Nadine Weidman (Harvard University)

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

FOX – To Explain and Protect: A Century of Scientific Research on Children

Sponsored by the Forum for the History of Human Science

Hamilton Cravens (Iowa State University), Chair & Commentator

‘Unnatural and Monstrous’: Creating ‘Child Suicide’ in the Nineteenth Century

Kathleen Jones (Independent Scholar)

‘At Risk’: Why Childhood Matters for History of Science

*Ellen Herman (University of Oregon)

The Secret Life of Children: Searching for Children’s Natural Emotional Needs from London to Baltimore, via Uganda

*Marga Vicedo (University of Toronto)

PARD – Thinking with Machines

Domenico Bertoloni Meli (Indiana University), Chair

*Peter Machamer (University of Pittsburgh)

Hamlet and Other Machines

Alan Gabbey (Barnard College, Columbia University)

The Limits of Thinking with Machines: The Problem of Percussion

Sophie Roux (Université Grenoble II/Institut universitaire de France)

Mechanical Foundations for Collision

*Maarten Van Dyck (Ghent University)

ALLE – Nuclear Bombs, Radiation, and Risk: The United States’ Nuclear Weapons Program, 1945-1966

Jacob Darwin Hamblin (Clemson University), Chair & Commentator:

‘The Greatest Laboratory Experiment of History’: Operation Crossroads, Bikini Atoll, and the Geography of Science during the Early-Postwar Period

*E. Jerry Jessee (Montana State University)

Southern Devices: Atomic Testing in Mississippi, 1964-1966

David A. Burke (Auburn University)

Selective Illumination: Using the Scientific Uncertainty of the Bravo Medical Program to Establish ‘Changed Circumstances’

Laura J. Harkewicz (University of California, San Diego)

OAK – New Studies of Religion and Science in America and Great Britain

*Edward B. Davis (Messiah College), Chair

Creation and the Natural World: The Popularization of Science during the Second Great Awakening, 1776-1840

Lily Santoro (University of Delaware)

The Place of Victorian Scientific Naturalism in the History of Science and Religion: Great Britain and America, 1830-1934

R. Clinton Ohlers (Independent Scholar)

Beyond Christian Darwinism: The Rev. John Gulick on Science, Religion and the Limits of Language

Richard England (Salisbury University)

Progressive Catholics and Evolution in the American Public Sphere: The Early Twentieth Century

Alexander Pavuk (University of Delaware)

SKY – Science and Spectacle in 18th-century Europe

Tom Broman (University of Wisconsin, Madison), Chair
Jan Golinski (University of New Hampshire), Commentator

The Balloon Spectator

*Mi Gyung Kim (North Carolina State University)

Controlling Spectacle and the Policing of Aeronautics in Europe at the End of the Eighteenth Century

*Michael Lynn (Agnes Scott College)

Science Goes Pyrotechnic: Fireworks as a Resource for Electrical Performance in the Eighteenth Century

Simon Werrett (University of Washington)

MONO – The Spread of the History of Science: Appropriations, Nationalisms, and Globalizations Since Basalla

*Abena Dove Osseo-Asare (University of California, Berkeley), Chair

Buhm Soon Park (Korea Advanced Institute of Science and Technology), Commentator

Scientific Citizens: Experiments in Flag Nationalism and Laboratory Science in Ghana, 1956-1977

*Abena Dove Osseo-Asare (University of California, Berkeley), Chair

Pedagogical Structure and Failure of Knowledge Transmission: Marginalization of the History of Science in Japan

Kenji Ito (Sokendai, The Graduate University for Advanced Studies)

Populist Science: Politics and National Projects in Mexico, 1970-1976

Gabriela Soto Laveaga (University of California, Santa Barbara)

TRI – Nervous Nellies: Neuroscience in the 20th Century

Howard Chiang (Princeton University), Chair

Cultures of Adrenaline

Otniel Dror (The Hebrew University of Jerusalem)

A Body Made of Nerves: Early 20th-Century Neuroscience and the Rise of Cerebrocentrism

Katja Guenther (Harvard University)

Neurotic Dogs, Drunken Cats: Jules Masserman, Horsley Gantt, and the Development of Animal Models of Neurosis, 1930-60

Cai Guise-Richardson (Iowa State University)

Physics in Use: Models of Electricity in 19th-Century Electrotherapy Textbooks

Vivien Hamilton (University of Toronto)

Saturday, 6:00-6:45 p.m.

Announcement of 2008 Awards and Prize Winners (see page 68)
Grand Ballroom

Saturday, 6:50-7:50 p.m.

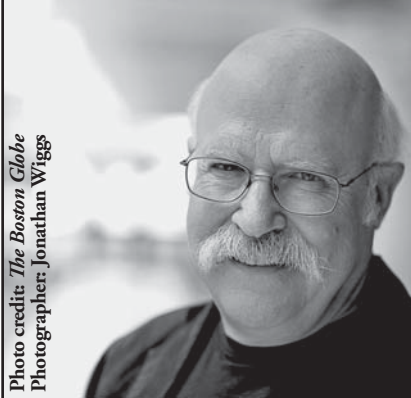


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History of Science Society Distinguished Lecture (*Grand Ballroom*)

Lowering the Tone in the History of Science: A Noble Calling

Steven Shapin
(Harvard University)

Introduction by Janet Browne

Saturday, 7:50-8:15 p.m

Cash Bar, Grand Ballroom

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

Society Dinner, Grand Ballroom

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

History of Science Society Business Meeting. All HSS members are wel-

come. Refreshments will be served. (See agenda page 69), Sky Room.

Sunday, 9:30-10:30 a.m.

HSS Finance Committee, Sky Room

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

PARE/F – Animals, Biologists and Their Common Habitat

*Raf De Bont (University of Leuven), Chair

A Curiosity Becomes Standard: On the Mexican Axolotl's Journey from 'Nature' to Scientific and Popular 'Culture', ca. 1860-1900

*Christian Reiss (Max Planck Institute for the History of Science)

'So Full of Romance, so Unspoiled, Rough, Rugged and Primitive': The Bird Observatory in Rossitten and 'Experimental' Field Culture

Raf De Bont (University of Leuven)

'Trusting Friends': Robert Mearns Yerkes and 'Miss Congo'

Georgina Montgomery (Michigan State University)

Between Alps, Operating Room, Stable and Laboratory: A Topography of Sheep in Modern Trauma Surgery (1960-)

Martina Schlünder (University of Giessen)

TRI – Heredity After Darwin: The Search for a Synthesis What Weldon Wanted: New Light on His Biometric Program

Gregory Radick (University of Leeds)

Bateson's Pre-Mendelian Study of Variation and Heredity

*Marsha Richmond (Wayne State University)

Johannsen's Genotype Theory and His Critique of Darwinism

Nils Roll-Hansen (University of Oslo)

The Pragmatist's Path: Herbert Spencer Jennings and the Study of Heredity, Variation, and Evolution

Judy Johns Schloegel (Independent Scholar)

Morphology Strikes Back: Richard Semon and a Counter-Revolt Against Genetics & Experimentalism

*Sander Gliboff (Indiana University)

OAK – Uncertainties: New Directions in the Study of the Life and Work of Werner Heisenberg

Cathryn Carson (University of California, Berkeley), Chair

Heisenberg's Observables and Sommerfeld's 'Lawful Regularities': Re-thinking the Methodological Origins of Matrix Mechanics

*Suman Seth (Cornell University)

Revisiting Heisenberg, Uncertainty, and Quantum History

David Cassidy (Hofstra University)

Heisenberg and Quantum Mechanics in Cultural Context: The Search for a New Weltanschauung

Kristian Camilleri (University of Melbourne)

Was Heisenberg Really Unphilosophical? Reflections from Practice and Theory

Cathryn Carson (University of California, Berkeley)

FOX – Vertical Geographies of Science

Michael Robinson (University of Hartford), Chair

From the Quarries to the Peaks: John Tyndall's Vertical Physics

*Michael Reidy (Montana State University)

Rocky Mountain High Science: Teaching, Research, and Nature at Field Stations

Jeremy Vetter (Dickinson College)

Managing Vertical Distance: The Harvard College Observatory's Boyden Expeditions

Catherine Nisbett (University of Chicago)

Tracing Arsenic through Mines, Mountains, and Groundwater in the Bengal Delta and Central Idaho

Brianna Rego (Stanford University)

SHAD – Early Modern Science and Medicine

Peter Barker (University of Oklahoma), Chair

Giving the Pox: A Case of Medicine and Polemic in Enlightenment France

Victoria Meyer (University of Virginia)

The Best of All Panglosses

Eric Palmer (Allegheny College)

Students as Weapons: The Lyon Theses on Le Sage's Theory of Gravitation (1770)

James Evans (University of Puget Sound)

***Homo vermiculosus*: Nicolas Andry and 18th-century Parasitology**

Julie Grissom (University of Oklahoma)

The Theology of Large Numbers: A Conjecture

David Teira (Universidad Nacional de Educacion a Distancia (Madrid))

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

MONO – Control and Scientific Boundaries

Peter Schimkat (Independent Scholar), Chair

Bridging the Gap: Science Service, Scientists, and the Press

Cynthia Bennet (Iowa State University)

A Fact-in-Waiting: William James and Experimental Telepathy

Krister Knapp (Washington University in St. Louis)

Burning Questions: Justus Liebig on Spontaneous Human Combustion

Robert Schombs (Cornell University)

Finding a Stable Species: Physiology and Specificity in Ferdinand Cohn's Bacterial Taxonomy

Christina Matta (University of Wisconsin, Madison)

Mesmeric Science in the Mid Nineteenth Century

David Schmit (College of St. Catherine)

ALLE – Organizing/Publicizing Science

Marlous Blanckesteijn (University of Amsterdam), Chair

Nature's Contributors and the Changing of the Scientific Guard, 1869-1900

Melinda Baldwin (Princeton University)

Centralizing the Scientific Machine: Bibliographical Controversies at the End of the Nineteenth Century

Alex Csiszar (Harvard University)

Anglo-Japanese Chemistry Contacts in Action: The English Model of Chemical Education in Meiji Japan

Yoshiyuki Kikuchi (Sokendai, The Graduate University for Advanced Studies)

Changing Bodies of Knowledge, Policy Implementation and Legitimacy in Dutch Regional Water Management 1970 - 2000: Water Boards and Their Quest for Sustainable Development

Marlous Blanckesteijn (University of Amsterdam)