

# HSS 2005 Program Schedule

Thursday, 3 November 2005

(\* denotes session organizers)

1:00 P.M. - 5:00 P.M.

HSS Council Meeting

(Skyway Suite)

5:30 P.M. - 7:30 P.M.

HSS & SHOT Plenary Session-

The Public Presentation of Science and Technology

(Nicollet Grand Ballroom)

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

**Roger Launius**, *National Air and Space Museum*, "Serving Society/ Surviving Scorn? Presenting Science and Technology in a National Museum"

**Svante Lindqvist**, *Nobel Museum*, "What Difference Does It All Make? Untimely Scruples in an Age of Enthusiasm"

**Katherine Pandora**, *University of Oklahoma*, "What Have We To Do with Mr. Everyman, or He with Us? Reflections on Professionalism, the Public, and the Digital Age."

7:30 P.M. - 9:00 P.M.

HSS & SHOT Joint Reception - cash bar

(Exhibit Hall)

8:30 P.M.

Early Science Interest Group

(organized by Liba Taub)

(Off Site - Brit's Pub, 1110 Nicollet Mall)

Historians of Chemistry and the Chemical Industries

(organized by Mary Ellen Bowden)

(Off Site - Brit's Pub, 1110 Nicollet Mall)

Friday, 4 November 2005

7:30 A.M. - 8:45 A.M.

Women's Caucus Business Meeting

(Skyway Suite)

9:00 AM - 11:45 AM

(Coffee Break 10:30 A.M. - 10:45 A.M. in Book Exhibit Hall)

Beyond Larry Summers & Co.: How Women Fared in Science: Cross-Disciplinary and Comparative Perspectives. Part I: The Case of Genetics  
(Greenway Ballroom - D)

Commentator: Nancy Slack, *Russell Sage College*

Chair: **Prnina Abir-Am**, *HBI-Brandeis & Scientific Legacies*

**Marsha L. Richmond\***, *Wayne State University*, "Women in the Department of Genetics at the Cold Spring Harbor Laboratory"

**Marilyn Bailey Ogilvie**, *University of Oklahoma*, "Helen Dean King, a Neglected Geneticist"

**Ida H. Stamhuis**, *Vrije Universiteit Amsterdam*, "Three Female Professors in Early Genetics: Unusual Careers?"

**Sylvia McGrath**, *Stephen F. Austin State University*, "A Delight in Nature: Frieda Cobb Blanchard, Her Mentors, and Her Scientific Education"

Biophysics, Gene Theory and the Laws of Life

(Greenway Ballroom - G)

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

Chair: **Phillip Sloan\***, *University of Notre Dame*

**William C. Summers**, *Yale University*, "Physics and Genes: From Einstein to Delbrück"

**Richard H. Beyler**, *Portland State University*, "Exhuming the 'Three-Man-Paper': Target Theory Research in the Late 1930s and Early 1940s"

**Daniel McKaughan**, *University of Notre Dame*, "Niels Bohr and Max Delbrück on Biological Complementarity: Were They Looking for Other Laws of Physics?"

**Nils Roll-Hansen**, *Oslo University*, "Interpreting the Bohr-Delbrück application of Complementarity to Biology"

**Friday, 4 November (continued)**

**9:00 A.M. - 11:45 A.M.**

**Forbidden Fruit or Final Frontier? Consciousness in 20th-Century Science**

(Sponsored by the Forum for the History of Human Sciences)

(Greenway Ballroom - B)

**Chair and Commentator: Anne Harrington, Harvard University**

**Stephen E. Wald\***, *University of Wisconsin-Madison*, "The Triumph and Tragedy of Roger Sperry's Mentalism"

**Craig Sean McConnell**, *California State University Fullerton*, "The Physics of Consciousness: Roger Penrose and the Emperor's New Mind"

**Erika Dyck**, *McMaster University*, "LSD Does not Expand the Mind, the Drug Shrinks It.: Post-WWII LSD Experimentation and the Politics of Consciousness"

**Nathaniel Barrett**, *Boston University*, "Natural or Supernatural? A Historiographic Study of Spiritualism and Psychological Research"

**Intellectual Novelty and Scientific Ambition in the Early Modern Period**

(Greenway Ballroom - F)

**Chair: Peter R. Dear**, *Cornell University*

**Kevin LaGrandeur**, *New York Institute of Technology (NYIT)*, "Early Modern Androids and Scientific Ambition"

**David Marshall Miller**, *University of Pittsburgh*, "Galileo and the Coriolis Effect"

**Brendan Murphy Watters**, *University of Florida*, "Bisection of the Eccentrics: Vincent Wing's Central Positions Between Kepler and Newton"

**Daniel T. Julich**, *University of Florida*, "Pascal and the Dynamics of the Parisian Savant Community"

**Katherine H. Maas**, *Penn State University*, "Pansophism and the Public Good: Philosophy and Politics in the Work of Samuel Hartlib"

**Museums, Fiction, & Film: Constructing Popular Science Discourses in 20th Century America**

(Greenway Ballroom - A)

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

**Eric Drown**, *George Washington University*, "Self-Invention: The Promise and Peril of Pulp Science Fiction's Educational Rhetoric in Industrializing America"

**Erik Ellis\***, *Oregon State University*, "'The TV Problem' in 1950s America: Finding a Place for Science on the Small Screen"

**Alison Griffiths**, *The City University of New York, Baruch College*, "'Mechanical Aids to Learning': Film and Multi-Media in the Museum"

**Karen A. Rader**, *Sarah Lawrence College*, "Exhibits and the American (Scientific) Imagination: Changing Strategies for Displaying Biology in U.S. Museums, 1939-1985"

**Perspectives on Chemistry: 18th - 20th Century**

(Greenway Ballroom - J)

**Chair: Viviane Quirke**, *Oxford Brookes University*

**Victor D. Boantza**, *University of Toronto*, "Lighting Plants and Darkening Salts: Dynamics of Interplay between Theory and Practice in Early Chemical Perceptions of Light"

**Peter Ramberg**, *Truman State University*, "Johannes Wislicenus and Chemistry in Zürich, 1860-1872"

**Thomas D. Cornell**, *Rochester Institute of Technology*, "Establishing a Research Corporation: A Case Study of Patents, Philanthropy, and Organized Research in Early Twentieth-Century America"

**Maria Elisa Maia**, *University of Lisbon, Portugal*, "The History of Cholesterol: An Example of the Inter-relations of Science and Technology"

**Jun Tsuji**, *Siena Heights University*, "The Soul of DNA: Sister Miriam Michael Stimson, OP, and the DNA Double Helix"

**Science in Translation: Communities of Knowledge in Modern Egypt and India**

(Greenway Ballroom - C)

**Chair and Commentator: D. Graham Burnett**, *Princeton University*

**Michael S. Dodson**, *Indiana University Bloomington*, "A Translational Moment: Sanskrit and as/the Text of Modernity"

**Marwa Elshakry\***, *Harvard University*, "'Knowledge' into 'Science': The Arabic Press and Epistemological Transformations"

**Shruti Kapila**, *Tufts University*, "Race Matters: Science, Orientalism and the Translation of Difference"

**Jane H. Murphy**, *Princeton University*, "Bilingualism and the Sciences in Eighteenth-Century Cairo"

**Friday, 4 November (continued)**

**9:00 AM - 11:45 AM**

**Science, Inc.: Inventors, Promoters, and Academic Enterprise**

*(Greenway Ballroom - I)*

**Commentator: Ken Alder**, *Northwestern University*

**Chair: Robert Seidel**, *University of Minnesota*

**J. Benjamin Hurlbut**, *Harvard University*, "Selling Knowledge: Professor-Lobbyists, Entrepreneurs and California's Proposition 71"

**Chitra Ramalingam**, *Harvard University*, "With honor, but with little profit": William Crookes as Electrical Entrepreneur"

**Kara Swanson\***, *Harvard University*, "Courtroom Views of Academic Science: A Biotech Patent Trial"

**Solid Sources of History? The Reading of Fossils, 1250-1900**

*(Greenway Ballroom - E)*

**Chair: Martin Rudwick**

**Sherrie Lynne Lyons**, *Empire State College SUNY*, "Of Sea Serpents and Griffins, Plesiosaurs and Protoceratops: *The Meaning of Fossils Revisited*"

**Susanne Pickert\***, *Max Planck Institute for the History of Science, Berlin*, "From The Archives of the Earth - Fossils as Historical Evidentia During the Late Middle Ages"

**Brian W. Ogilvie**, *University of Massachusetts, Amherst*, "Fossils and Final Causes in the Seventeenth Century"

**Michael Kempe**, *Max-Planck-Institut für Europäische Legal History*, "Relics of the First World. 'Reading' Fossils in the Theories of the Deluge Around 1700"

**Juliana Adelman**, *National University of Ireland, Galway*, "Seeing is Believing?: John W. Dawson, William B. Carpenter, the 'Galway Professors' and the Eozoön Controversy"

**Ways of Knowing: Theoretical Perspectives from Harvey to Kuhn**

*(Greenway Ballroom - H)*

**Chair: Cindy Klestinec**, *Georgia Institute of Technology*

**Joseph Zepeda**, *University of Notre Dame*, "Aristotelian Induction and Empiricism in William Harvey's *De Motu Cordis*"

**Fabien Chareix**, *University of Paris 4 - Sorbonne*, "Christiaan Huygens and the Probability of Knowledge"

**Edward Jurkowitz**, *University of Illinois at Chicago*, "Ernst Mach's Perspectival Scientific Methodology and its Political-Epistemological Location at the End of the Nineteenth Century"

**James Strick**, *Franklin and Marshall College*, "Marxism, Sex, and the Origin of Life: Wilhelm Reich's Bion Experiments, 1935-1939"

**Sean Dermot Lehane**, *University of Toronto*, "Kuhn Since Kuhn: A Study in the Evolution of Thomas S. Kuhn's Philosophy of Science"

**12:00 P.M. - 12:30 P.M.**

**Forum for the History of Science in America - Business Meeting**

*(Greenway Ballroom I)*

**12:00 P.M. - 1:00 P.M.**

**Committee on Research and the Profession**

*(Skyway A)*

**12:00 P.M. - 1:30 P.M.**

**Committee on Honors and Prizes**

*(Skyway - B)*

**12:30 P.M. - 1:30 P.M.**

**Forum for the History of Science in America - Distinguished Historian Lecture**

*(Greenway Ballroom - J)*

**Marc Rothenberg**, *Editor of the Joseph Henry Papers, Smithsonian Institution*, "The History of Science in America 20 Years Later: The Creator Myth"

**1:30 P.M. - 2:30 P.M.**

**Forum for the History of Science in America Reception**

*(Greenway Ballroom I)*

**Friday, 4 November (continued)**

**1:45 P.M. - 3:45 P.M.**

**Across Space and Time: 19th-Century Scientific Knowledge Exchanges**

*(Greenway Ballroom - E)*

**Chair:** John Eyler, *University of Minnesota*

**Lloyd Ackert**, *Yale University*, "Organic Matter and the Rise of Holistic Agriculture: John Pitkin Norton and William Henry Brewer at Yale, 1840-1900"

**Michael D. Friesen**, *University of Colorado*, "Sculpture in Service of Science: The Work of Benjamin Waterhouse Hawkins in Forging Trans-Atlantic Popularization of Paleontology"

**Susan D. Jones\***, *University of Minnesota*, "Bradford and Walpole: Exchanging Knowledge About Occupational Anthrax"

**Catholicism and the Sacred Body: The Catholic Church, Eugenics, and Birth Control, 1900-1960**

*(Greenway Ballroom - G)*

**Chair & Commentator:** Gregory Dorr, *Massachusetts Institute Of Technology*

**Aaron Kenneth Gillette\***, *George Mason University*, "Agostino Gemelli and the Latin Eugenics Movement"

**Sharon M. Leon**, *George Mason University*, "Bodies in Politics: US Catholics and Eugenics, 1910-1945"

**Ian Dowbiggin**, *University of Prince Edward Island*, "Sterilization, American Freedom and Catholic Power: A Revisionist Interpretation of Eugenics"

**Conflicts Over the Environment and its Inhabitants in 20th-Century North America**

*(Greenway Ballroom - C)*

**Chair:** Michael Reidy, *Montana University*

**Christine Keiner**, *Rochester Institute of Technology*, "The 1930s vs. 1990s Debates Over Introducing Non-Native Oysters to Chesapeake Bay"

**Ki Won Han**, *University of California, Berkeley*, "From Biology to Oceanography: T. Wayland Vaughan and the Transformation of the Scripps Institution of Oceanography"

**Alex Checkovich**, *University of Virginia*, "Problem Areas: Regions, Representations, and Authorities in the Great Depression"

**Nicholas Buchanan**, *Massachusetts Institute of Technology*, "Epistemological Imperialism: Experts, American Indians, and the Production of Environmental Knowledge"

**Courtly Culture and Spectacular Science: The Presentation of Science, Surgery, and Magic**

*(Greenway Ballroom - A)*

**Chair:** Sheila Rabin, *St. Peter's College*

**Daniel Margocsy**, *Harvard University*, "The Court Goes to Pont-Neuf: Popular Magic and Courtly Culture in Mid-17th-Century Paris"

**Dana M. Rovang**, *The University of Chicago*, "Professors of Magic: The Professional Magician as the Counterpoint to Science in Late Eighteenth-Century Europe"

**Lynda Payne**, *University of Missouri-Kansas City*, "Beating the Clock: Stopwatches and Spectators at Eighteenth-Century British Operations"

**Ivano Dal Prete**, *University of Verona*, "Astronomy for the Aristocracy: Representing Science in Eighteenth-Century Venetian Provinces."

**Science and Race in the 19th and 20th Centuries**

*(Greenway Ballroom - F)*

**Chair:** Prakash Kumar, *Yale University*

**Emmanuel Saadia**, *The University of Chicago*, "André Thouin Encounters Jews: Science, Race and Imperialism During the French Revolution"

**Courtenay Raia**, *UCLA*, "The Uncanny Anthropology of Andrew Lang: Science, Race, and Psyche in the Late Victorian Age"

**James Tabery**, *Department of History and Philosophy of Science, University of Pittsburgh*, "Genotype-Environment Interaction in the IQ Controversy"

**The Dark Side of Lamarckism**

*(Greenway Ballroom - B)*

**Chair and Commentator:** Robert Richards, *University of Chicago*

**Kevin Francis**, *Evergreen State College*, "A Radical Solution to the Extinction Problem: Lamarckian Explanations for Species Disappearance, 1870-1930"

**James Elwick**, *York University*, "Regarding the Sympathy of Others: Herbert Spencer and Humane Suffering"

**Piers J. Hale\***, *Colby College*, "George Bernard Shaw, Creative Evolution, and Shavian Eugenics"

Friday, 4 November (continued)

1:45 P.M. - 3:45 P.M.

**Visualisations and Representations: Models, Specimens,  
and Instruments, 19th - 20th Centuries**

*(Greenway Ballroom - J)*

**Chair: Deborah Warner, Smithsonian Institution**

**Eva Ahren Snickare, Nobel Museum,** "Body parts on Display: Models and Specimens in the Collections of the Karolinska Institute in Stockholm, Sweden"

**Amy Ackerberg-Hastings, University of Maryland, University College,** "'Fashionable Friends,' Continental Comparisons, and Schehallien: The Life of John Playfair through His Letters"

**Nancy Anderson, Université de Genève,** "Divided Expertise: Biologists, a Physicist, and the Beginnings of Video Microscopy"

**Mina Park, Seoul National University, Republic of Korea,** "'Turn Practical!': George R. Harrison and MIT Conferences on Spectroscopy and Its Applications"

**(Coffee Break 3:45 P.M. - 4:00 P.M. in Book Exhibit Hall)**

4:00 P.M.

**Nominating Committee Meeting**

*(Skyway A)*

4:00 P.M. - 6:00 P.M.

**American Religion and Science: Some Roman Catholic and  
Eastern Orthodox Perspectives**

*(Greenway Ballroom - D)*

**Commentator: Dominic Balestra, Fordham University**

**Chair: Bernadette McCauley, Hunter College/CUNY**

**Ronald A. Binzley, University of Wisconsin-Madison,** "Father Yancey's Albertus Magnus Guild and the Dissipation of the Crisis of the Catholic Scientist, 1952-1969"

**Edward (Ted) B. Davis, Messiah College,** "Cosmic Beauty, Created Order, and the Divine Word: The Religious Thought of Michael Idivorsky Pupin"

**Dana A. Freiburger\*, University of Wisconsin-Madison,** "Traces of Gold: Science and Scientific Instruments at Santa Clara College, California, 1851-1878"

**Clever Devices: Early Automata and  
Human Subjectivity**

*(Greenway Ballroom - F)*

**Chair: Scott Lightsey, Georgia State University**

**Elly Truitt\*, Harvard University,** "The Quick and the Dead: Funerary Automata and Animated Corpses, 1100-1450"

**Scott Lightsey, Georgia State University,** "Curious Craft, Subtle Craftsmen: Automata and Medieval London Politics"

**Minsoo Kang,** "The Man-Machine and the Automaton-Man: Ideas on Mechanized Humanity in Early Modern Thought"

**Scott Maisano, University of Massachusetts - Boston,** "Infinite Gesture: Automata and Emotions in Descartes, de Caus, and Shakespeare"

**Defining Deviance: The Many Meanings of Eugenics in  
American Social Reform and Social Science**

*(Sponsored by the Forum for the History of Human Sciences)*

*(Greenway Ballroom - B)*

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

**Chair: Daniel Kevles, Yale University**

**Susan M. Rensing, University of Minnesota,** "Eugenics as an Answer to the 'Woman Question' in Late 19th Century America"

**Brent J. Ruswick\*, University of Wisconsin-Madison,** "The Biological Basis of Dependence: The Scientific Charity Movement and the Hereditary Pauper in America, 1880-1920."

**Julia F. Irwin, Yale University,** "'What, Then, Do They Mean by Feeble-mindedness?': Contested Terminology in the Formation of Professional Psychology"



Friday, 4 November (continued)

4:00 P.M. - 6:00 P.M.

Disease and Death in the 20th Century

(Greenway Ballroom - C)

**Chair:** J.N. Hays, *Loyola University*

**David Caruso**, *Cornell University*, "The Body Counts: The Technologies of Triage and Redefining Medical Knowledge and Practice during the First World War"

**Michael Bresalier**, *Cambridge University*, "Neutralizing Flu: Immunological Technique and its Legitimation in Interwar Virus Work"

**Ann F. La Berge**, **Co-Author: Chris Hays**, *Virginia Tech*, "Science Stories: Stories Scientists Tell about Overweight and Obesity"

**Otniel E. Dror**, *The Hebrew University of Jerusalem*, "'Sudden Unexpected Death': Contingency, Magic, and the Uncertainty of Signs"

Dismantling Dichotomies: Constructing Naturalness  
in the Biological Sciences

(Greenway Ballroom - A)

**Chair & Commentator: Richard Burkhardt**, *University of Illinois at Urbana-Champaign*

**Frederick R. Davis**, *Florida State University*, "Geographies of Toxicology: Testing DDT in the Lab, Field, and Body"

**Georgina Mary Montgomery\***, *University of Minnesota*, "Contested Meanings of the Word 'Natural' in Field Primatology, 1930-1970"

**Erika Lorraine Milam\***, *University of Wisconsin-Madison*, "Natural Bodies? The Changing Status of Fruit Flies as Organisms in Behavioral Research, 1950-1975"

Getting Back to The Death of Nature: Rereading Carolyn Merchant

(Greenway Ballroom - E)

**Commentator: Carolyn Merchant**, *University of California-Berkeley*

**Chair: Joan Cadden**, *University of California-Davis*

**Katharine Park**, *Harvard University*, "Encounters with Nature: Rethinking Early Modern 'Science'"

**Gregg Mitman**, *University of Wisconsin-Madison*, "Where Ecology, Politics, and History Meet: Reclaiming The Death of Nature"

**Judy Schloegel\***, *Max Planck Institute*

**Charis Mary Thompson**, *University of California- Berkeley*, "Back to Nature?: What Happened to Ecofeminism in Poststructuralist and Third Wave Feminisms?"

Practical Knowledge in New Social Spaces, 1750 - 1830

(Greenway Ballroom - G)

**Commentator: Joel Mokyr**, *Northwestern University*

**Chair: David Cahan**, *University of Nebraska*

**Margaret C. Jacob**, *UCLA*, "Steam and Wool in Leeds: The Application of Mechanical Knowledge in Civic Life and Shop Floor"

**Paola Bertucci**, *University of Bologna*, "Crafting Public Science: 18th-Century Demonstrations and Experiments Behind the Curtain"

**Larry Stewart**, *University of Saskatchewan*, "Laboratory Spaces in the First Industrial Revolution"

Science and Math Education in the 19th and 20th Centuries

(Greenway Ballroom - H)

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

**Mark L. Hine**, "Life Chances: A Prosopographical Study of the First Generation of Ph.D.s Trained in American Universities"

**Susan Marie Groppi**, *University of California - Berkeley*, "The Ladylike Science: Psychology in American Women's Colleges, 1880-1915"

**Roger D. Turner**, *University of Pennsylvania*, "Ways of Knowing the Weather: Aviation, University Education, and the Development of Digital Computing"

**David Lindsay Roberts**, "'Getting in on the Ground Floor': Minnesota's Encounter With the 'New Math,' 1954-1975"

Understanding Mental Illness in Africa, Europe, and  
North America in the 20th Century

(Greenway Ballroom - J)

**Chair and Commentator: Jill Morawski**, *Wesleyan University*

**Susan Lanzoni**, *Yale University*, "Diagnosing Without Words: Experiential Epistemologies of Schizophrenia in Twentieth Century European Psychiatry"

**Cai Guise-Richardson**, *Iowa State University*, "Mind over Money: Changing Views of Mental Illness and the Competence of Lewis

duPont Smith"

Friday, 4 November (continued)

6:00 P.M. - 7:00 P.M.

Reception for Frederick Burkhardt

(Sponsored by the American Council of Learned Societies)

(Mirage Room)

7:00 P.M. - 8:30 P.M.

Reception (cash bar) at Bakken Library

Ticket Required - Transportation provided from Hyatt.

(Buses load from hotel front - please ensure you are on the HSS bus)

8:00 P.M.

Recreating the Past: Teaching Through Historical Simulation

Douglas Allchin - Chair

(see advertisement page 132)

(Bakken Library - Great Hall)

Saturday, 5 November

7:30 A.M. - 8:45 A.M.

Committee on Meetings and Programs

(Skyway - B)

Forum for the History of Science in America Steering Committee

(Skyway - A)

Osiris Editorial Board

(Board Room)

9:00 AM - 11:45 AM

(Coffee Break 10:00 A.M. - 10:15 A.M. in Book Exhibit Hall)

Between God and Nature: Jesuit Science in the Global Theatre

(Greenway Ballroom - B)

Commentator: Marta Hanson, *The Johns Hopkins University*

Chair: Qiong Zhang,\* *SIUC*

Florence C. Hsia, *University of Wisconsin-Madison*, "From Practice to Print: Jesuit Science in Late Imperial China and its European Diffusion"

Steven J. Harris, *Harvard University Extension School*, "Messengers of God, Merchants of Nature: Jesuit *Scientiae Commercium* and the Overseas Missions"

Qiong Zhang, *SIUC*, "From Seduction to Conversion: The Jesuit Discourse of Exotica in Late Ming and Early Qing China"

Minghui Hu, *University of Chicago*, "Uninflected Cosmos or Fluctuating Record? Debates over Ancient Calendars and Cosmological Models in 18th-century China"

Beyond Dichotomies in the Early History of Genetics

(Greenway Ballroom - D)

Commentator: Robert Olby, *University of Pittsburgh*

Chair: Doris Zallen, *Virginia Polytechnic Institute and State University*

Laurie Carlson, "William Spillman's Role in Genetics History: Icon or Iconoclast?"

Barbara A. Kimmelman, *Philadelphia University*, "Adapted to the Industrial Environment: Darwinism in U.S. Plant Breeding in the Early Twentieth Century"

Donald L. Opitz\*, *University of Minnesota*, "'No Doubtful or Uncertain Enterprise': Balfour, Bateson, and Britain's First Chair of Genetics at Cambridge, 1894-1914"

Jenny Marie, *Max Planck Institute for the History of Science*, "What was 'Genetics' in Early Twentieth Century Britain? The Shifting Meanings of a New Discipline"

Beyond Larry Summers & Co.: How Women Fared in Science: Cross-Disciplinary and Comparative Perspectives. Part II: The Case of Molecular Biology and Radioactivity

(Greenway Ballroom - A)

Commentator: Rusty B. Shteir, *York University*

Chair: Marsha Richmond, *Wayne State University*

Prina Abir-Am\*, *Brandeis University*, "Gender and Cultural Memory: Remembering Dorothy Hodgkin in the First, Second, and Third Worlds"

Lynne Osman Elkin, *California State University East Bay (Hayward)*, "Rosalind Franklin and DNA: 2003 Fame, Justice Pending"

Maria Rentetzi, *National Technical University of Athens*, "Gender Politics and Radioactivity Research in Interwar Vienna: The Case of the Institute for Radium Research"

Annette B. Vogt, *Max Planck Institute for History of Science*, "From Case Study to Comparison - New Perspectives in the History of Women in Science"

**Saturday, 5 November (continued)**

**9:00 AM - 11:45 AM**

**Institutions and Ideas in 20th Century  
American Paleontology**

*(Greenway Ballroom - C)*

**Chair and Commentator: Ron Rainger**, *National Science Foundation*

**Paul Brinkman\***, *University of Minnesota*, "The Second American Jurassic Dinosaur Rush, 1895-1905"

**Joe Cain**, *University College London*, "Ritual Patricide: George Gaylord Simpson's Value to the Next Generation"

**David Sepkoski**, *Oberlin College*, "Building the Discipline of Paleobiology: Tom Schopf as Community Architect"

**Patricia Princehouse**, *Case Western Reserve University*, "Fossils, Fins, and the Fleeting Present: Macroevolution in the Wake of the Synthesis"

**Measure and Appetite: Concepts of Standards of Living  
in the 19th and 20th Centuries**

*(Sponsored by the Forum for the History of Human Sciences)*

*(Greenway Ballroom - F)*

**Commentator: Christopher Hamlin**, *University of Notre Dame*

**Chair: M. Norton Wise**, *University of California, Los Angeles*

**Bernhard Kleeberg**, *Max Planck Institute for the History of Science, Berlin*, "From Dismal to Hopeful Science: 19th-Century Concepts of Rising Standards of Living"

**Dana Simmons\***, *University of California, Riverside*, "Measuring Misery: Consumer Budgets and the Minimum Wage in 19th-Century France"

**Keir Waddington**, *Cardiff University*, "'Consuming Diseased Meat as Food': Diet, Meat and Disease in Victorian and Edwardian Britain"

**Thomas Stapleford**, *University of Notre Dame*, "Workers, Housewives, and Economists: Defining the 'American Standard of Living', 1910 - 1940"

**New Work in Early Modern Science**

*(Greenway Ballroom - I)*

**Chair: Peter Barker\***, *University of Oklahoma*

**Renzo Baldasso**, *Columbia University*, "The Intellectual Cultures of Rattoldt's Figures"

**Katherine Tredwell**, *University of Oklahoma*, "The Melanchthon Circle's English Epicycle"

**Tofigh Heidarzadeh**, *Oklahoma University, Norman*, "The Physics of Comets in Newton's Works"

**Mark A. Waddell**, *The Johns Hopkins University*, "An End to Wonder? The Jesuit Dismantling of the Preternatural in the Seventeenth Century"

**Patrick J. Boner**, *Department of History and Philosophy of Science, Cambridge University*, "Kepler's Living Cosmology: Bridging the Celestial and Terrestrial Realms"

**Operations Research and Cold War Science, 1944-1980**

*(Greenway Ballroom - E)*

**Chair and Commentator: Philip Mirowski**, *University of Notre Dame*

**William Thomas**, *Harvard University, History of Science Department*, "A Veteran Science: Reinventing Operations Research for a Postwar World"

**Paul Erickson\***, *University of Wisconsin - Madison*, "Reconversion and Reinterpretation: Operations Research (OR) and Game Theory, 1944-1957"

**Tinne Hoff Kjeldsen**, *IMFUFA, Roskilde University, Denmark*, "The Emergence of Nonlinear Programming: The Significance of OR"

**Erik Rau**, *Drexel University*, "The Scientific Management of Scientific Revolutions: Operations Research and Library Science, 1962-1980"

**Pharmaceutical Pathways: Inventing, Marketing,  
and Regulating Drugs**

*(Greenway Ballroom - H)*

**Commentator: Ruth Cowan**, *University of Pennsylvania*

**Chair: Angela Creager\***, *Princeton University*

**Viviane Quirke**, *Centre for Health, Medicine and Society, Oxford Brookes University*, "Pharmaceutical Innovation and Technological Path-Dependence: The Case of Imperial Chemical Industries, ca. 1935-75"

**Jean-Paul Gaudilliere**, "Regulating or Not Regulating? Diethylstilbestrol, Expert Knowledge and Therapeutic Dangers. A Fifty Years Trajectory"

**Dominique A. Tobbell**, *University of Pennsylvania*, "Pharmaceutical Alliances: Academic-Industry-Government Networks of Drug Development and Policy in the Postwar United States"

**Arthur Daemmrich**, *Chemical Heritage Foundation*, "Pharmaceutical Demand Realization"

**Saturday, 5 November (continued)**

**9:00 A.M. - 11:45 A.M.**

**Politics in Science and Science in Politics: An International Perspective**

*(Greenway Ballroom - G)*

**Chair & Commentator: Karen Freeze**, *University of Washington*

**Elisabeth van Meer\***, *University of Minnesota*, "Emanuel Lechta and the Politics of Engineering in Central Europe"

**William deJong-Lambert**, *Columbia University*, "Szczepan Pieniazek: Polish Lysenkoist"

**Mary Winbauer**, *University of Minnesota*, "Adaptability in the Soviet Science System: R.L. Berg's Evolutionary Genetics, 1935-1945"

**Melinda Brooke Gormley**, *Oregon State University*, "The American-Soviet Science Society, 1943-1948"

**Visualisation, Experimentation, and the Representation of Scientific Work**

*(Greenway Ballroom - J)*

**Chair: Patrick McCray**, *University of California, Santa Barbara*

**Elizabeth Mary Cavicchi**, *Dibner Institute for the History of Science and Technology, MIT/University of Massachusetts Boston*, "Blind Experimenting in a Sighted World: The Electrical Innovations of Jonathan Nash Hearder"

**Sven Dupré**, *Ghent University*, "'A Clever Daedalus to Describe this Thing': Visualizing Telescopes, Machines and Knowledge in Seventeenth-Century Optics"

**Graeme J.N. Gooday**, *University of Leeds*, "Uncertain Identities in Electricity: Experts, Franklin's Fluid and the Electric Fairy"

**Hasok Chang**, *University College London*, "The Unbearable Fickleness of the Boiling Point"

**Lambert Williams**, *Max-Planck-Institute for the History of Science*, "Chaos, Complexity, and Computational Tinkering"

**12:00 P.M. - 12:45 P.M.**

**Forum for the History of Human Sciences Distinguished Lecture**

**George W. Stocking, Jr.**

Please bring your lunch and join us

*(Greenway Ballroom - A)*

The Distinguished Lecturer will become a regular feature of FHHS

annual meetings, which are typically held at noon on the Saturday of the History of Science Society conference. The forum for the History of the Human Sciences, an interest group within the HSS, is most pleased that Professor Stocking will inaugurate the series. Professor Stocking's many publications include *Victorian Anthropology* (1987) and its sequel *After Tylor: British Social Anthropology, 1888-1951* (1995). Two collections of his essays have been published, *Race, Culture, and Evolution* (1968) and *The Ethnographer's Magic and Other Essays in the History of Anthropology* (1992). He also edited a Franz Boas Reader (1974) and founded and served as first editor of the University of Wisconsin Press series *History of Anthropology*. Now emeritus from the University of Chicago, Prof. Stocking is currently at work on a history of anthropology after World War II, from which he will speak informally at the FHHS meeting.

**12:00 P.M. - 1:15 P.M.**

**Committee on Finance Meeting**

*(Skyway B)*

**12:00 P.M. - 3:00 P.M.**

**HSS Committee on Publications**

*(Skyway A)*

**12:15 P.M. - 1:00 P.M.**

**Earth and Environment Forum**

Please bring your lunch and join us

*(Greenway Ballroom - J)*

**12:45 P.M. - 1:05 P.M.**

**Forum for the History of Human Sciences**

**Business Meeting**

*(Greenway Ballroom - A)*

Saturday, 5 November (continued)

1:15 P.M. - 3:15 P.M.

**Classifying Empires: Natural History Between Centre and Periphery**

(Greenway Ballroom - C)

**Chair & Commentator: Harriet Ritvo**, *Massachusetts Institute of Technology*

**Gordon McOuat**, *University of King's College*, "Kings, Patronage and Commodities: How the British Museum Went from Collecting (and Exchanging) Patronage to Collecting (and Exchanging) Commodities and What that Might Say About Natural Objects."

**Elizabeth Green Musselman**, *Southwestern University*, "Folk Classification: How Cultures Categorized Nature in Colonial South Africa"

**Jim Endersby\***, *Cambridge University*, "Sense and Stability: What the 'Species Question' Wasn't for Victorian Naturalists"

**Communicating Science in the 19th and 20th Centuries**

(Greenway Ballroom - D)

**Chair: Douglas Allchin**, *University of Minnesota*

**Rebekah Higgitt**, *Imperial College London*, "Exploded Systems: Views of Alchemy in 19th-Century Biographies and Histories of Science"

**Maria Lane**, *University of Texas at Austin*, "Cartography, Photography, and Areography: Visual Negotiations over the Planet Mars, 1899-1910"

**James W. Endersby & Linda E. Endersby**, *University of Missouri/Missouri State Museum*, "Collaboration, Authorship, and Scientific Research: Trends and Patterns among Disciplines"

**Dorien Daling**, *University of Groningen*, "The Creative Role of Scientific Journals: *Biochimica et Biophysica Acta* and the Formation of a Discipline after the Second World War"

**Comparative Perspectives on Economic Botany: Scientific Patronage and the Making of Enhanced Drugs and Crops in Imperial Worlds**

(Greenway Ballroom - F)

**Commentator: Londa Schiebinger**, *Stanford University*

**Chair: Donna C. Nehos**, *Eindhoven University of Technology*

**Abena Dove Osseo-Asare\***, *University of California, Berkeley*, "Poisoned Arrows, *Strophanthus Hispidus*, and the Rise of Pharmaceutical Chemistry in Britain and the Gold Coast (1880-1922)"

**Prakash Kumar**, *Yale University*, "Origins of the Imperial Agricultural Institute: Colonial Administration, Western Science and the Indian Nationalist Response, c. 1880-1905"

**Vassiliki Betty Smocovitis**, *University of Florida*, "Science and Manifest Destiny: American Botanists, the 'Cinchona Missions' in Latin America (1942-1945) and the Emergence of Economic Botany"

**Emergence and Evolution of Modern  
Medicine and Physiology**

(Greenway Ballroom - G)

**Chair: Marianne Fedunski**, *York University*

**Patrick Singy**, *Northwestern University*, "Perception and Percussion: Rethinking the Emergence of Modern Medicine"

**Carin Berkowitz**, *Cornell University*, "Priority and Methodological Controversy in Early Nineteenth-Century Physiology"

**Henning Schmidgen**, *Max Planck Institute for the History of Science*, "Writing Time: F. C. Donders's Experiments on the Physiological Time of Psychological Processes"

**Jung K. Lee**, *Mississippi State University*, "The 'Industrial Physiology' and The Age of 'Production'"

**Revisiting Random Genetic Drift in the Development of  
Population Genetics: 1920s-1960s**

(Greenway Ballroom - J)

**Chair: Robert A. Skipper, Jr.**, *University of Cincinnati*

**Robert A. Skipper, Jr.\***, *University of Cincinnati*, "R. A. Fisher and the Origins of Random Genetic Drift"

**Jonathan Hodge**, *University of Leeds*, "On the Complex Historical and Conceptual Relations between (1) Fisher and Wright's Original Disagreements about Evolution and (2) Later Decades of Controversy Over Selection and Drift"

**Anya Plutynski**, *University of Utah*, "Conflict and Consensus: Fisher v. Wright on the Drift Concept"

**Roberta L. Millstein**, *California State University, East Bay*, "Selection or Drift? Methodology in 'The Great Snail Debate', 1950s-1960s"

**Saturday, 5 November (continued)**

**1:15 P.M. - 3:15 P.M.**

**Science and Technology in Asia in the 20th Century**

*(Greenway Ballroom - H)*

**Chair: Lillian Hoddeson**, *University of Illinois, Urbana-Champaign*

**Glenn Ymballa Cabrera**, "Japanese Scientific Societies and Their Historical Lessons for the Philippines"

**Jahnvi Phalkey**, *Georgia Institute of Technology*, "Homi J. Bhabha and Particle Accelerator Development at the Tata Institute of Fundamental Research, Bombay (1944-1966)"

**Sungook Hong**, *Program in History and Philosophy of Science, Seoul National University, Korea*, "Nuclear Blessings: Images of Nuclear Energy in Korea during the 1950s and 1960s"

**The Uses of Probability, Statistics, and Sampling, 17th - 20th Centuries**

*(Greenway Ballroom - E)*

**Chair: Katharine Anderson**, *York University*

**Nuran Cinlar**, *Simmons College*, "Evaluating the Risk of New World Colonization: Investors in the Virginia Company, 1606-1624"

**Nancy S. Hall**, *University of Delaware*, "The Sceptic and the Psychics - Ronald Fisher and His Statistical Advice to the Society for Psychical Research"

**Daniel Patrick Thurs**, *Cornell University*, "Creating a Scientific Public: George Gallup, the Meaning of Science, and the Rhetoric of Polling in the 1930s"

**Shirley Martin**, *University of Chicago*, "Educational and Statistical Efficiency: The Early Use of Fisherian Statistics in the Colleges of Education at Minnesota and Iowa"

**Water Management Controversies in Early Modern Europe**

*(Sponsored by the Earth and Environment Forum)*

*(Greenway Ballroom - A)*

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

**Eric H. Ash**, *Wayne State University*, "Making a Fruitful Soil: Expertise and Water Management in the English Fens"

**Chandra Mukerji**, *University of California - Davis*, "The Politics of Water in 17th-Century Languedoc: Funding Controversies Along the Canal du Midi"

**Pamela O. Long**, "Floods, Aqueducts, and the Culture of Knowledge in Early Counter-Reformation Rome"

**Karl Appuhn\***, *New York University*, "A Show for the Eyes that Serves No Purpose: Lagoon Management Debates in Early Modern Venice"

**(Coffee Break 3:15 P.M. - 3:30 P.M. in Book Exhibit Hall)**

**3:30 P.M. - 5:30 P.M.**

**Building an Identity for Botany, 17th - 20th Centuries**

*(Greenway Ballroom - F)*

**Chair: Jim Endersby**, *Cambridge University*

**Ayne Terceira**, *University of Florida*, "Poisoned Plants: The Social Dangers of Botany in Restoration England"

**Christina Matta**, *University of Wisconsin-Madison*, "A Dying Science? Cryptogamic Physiology and the 'Revival' of German Botany"

**Aurika Richkiene**, *Institute of Botany*, "Peculiarities of Botany Science Formation and Development in Lithuania"

**Human and Animal Bodies in the Age of Nuclear Fear**

*(Greenway Ballroom - E)*

**Chair: Jacob Darwin Hamblin**, *California State University, Long Beach*

**Ioanna Semendeferi**, "The Apostate: John Gofman, the Linear Non-Threshold Radiation Model and Cancer Risks"

**Doogab Yi**, *Princeton University*, "The Coming of the Reversibility: The Discovery of DNA Repair Amidst Nuclear Fear"

**Ryan Shapiro**, *University of California, Santa Barbara*, "Foreign Agents Rejoice... Fifth Columnism in the Battle over Vivisection in Early Cold War America"

**International Travels and Local Knowledges**

*(Greenway Ballroom - B)*

**Chair and Commentator: John Tresch**, *University of Chicago*

**Giuliano Pancaldi**, *University of Bologna*, "'Infinite Riches in a Little Room': Competitive Imitation in the Molding of William Thomson's Laboratory"

**Daniela S. Barberis**, *The University of Chicago*, "Visiting the 'Prussian Schoolmaster': French Philosophers on Study Missions to Germany"

**Francesca Bordogna\***, *Northwestern University*, "Pragmatist Travelers: Mediating the Local and the Cosmopolitan"

Saturday, 5 November (continued)

3:30 P.M. - 5:30 P.M.

**"A Good Body of Working Men": Vocation and the Darwinian Revolution**

*(Greenway Ballroom - I)*

**Commentator: Michael Ruse**, *Florida State University*

**Chair: John M. Lynch**, *Arizona State University*

**Richard Bellon\***, *Michigan State University*, "Charles Darwin Outflanks His Enemies"

**Sheila Ann Dean**, *Darwin Correspondence Project, Cornell University*, "Edinburgh Gardener to Curator in Calcutta: John Scott goes to India"

**John Waller**, *University of Melbourne*, "Francis Galton, the Darwinian Revolution and the Micro-politics of Victorian Scientific Careers"

**Jewish and Christian Theology and Cosmology, 16th - 19th Centuries**

*(Greenway Ballroom - C)*

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

**Kathleen Crowther-Heyck**, *University of Oklahoma*, "Sacred Philosophy, Secular Theology: The Pious Physics of Levinus Lemnius (1505-1568) and Francisco Vallés (1524-1592)"

**John P. Friesen**, *Independent Scholar*, "Hutchinsonianism and the Newtonian Enlightenment"

**J. Brian Pitts**, *University of Notre Dame*, "Astronomical Ages and Genesis: Starlight Transit Time and Its Theological Reception"

**Elizabeth Neswald**, *National University of Ireland, Galway*, "The Cosmology of Moses Hess"

**Material Generation, Regeneration, and Resurrection in the 17th Century**

*(Greenway Ballroom - D)*

**Chair: Lisa Sarasohn\***, *Oregon State University*

**Margaret J. Osler**, *University of Calgary*, "Gassendi on Atomism & Resurrection"

**Trevor Pearce**, *University of Chicago*, "Triadic Analogies and Divine Naturalism? Robert Fludd and the Weapon Salve"

**Lisa T. Sarasohn**, *Oregon State University*, "Material Regeneration in the Natural Philosophy of Margaret Cavendish"

**Matthew Goodrum**, *Virginia Tech.*, "Atomism, the Mechanical Philosophy, and Naturalistic Theories of Human Origins in the Seventeenth Century"

**Negotiating Science: Entertainment and Urban Experience, 1770-1830**

*(Greenway Ballroom - H)*

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

**Ayako Sakurai\***, *University of Cambridge*, "Learned Natural History and Plebeian Entertainment in an Estate Society - The Establishment of the Senckenberg Museum in Early Nineteenth-century Frankfurt am Main"

**Takashi Ito**, *Japan Society for the Promotion of Science / University of Tokyo*, "'The Eden of Northern Marylebone': London's Zoological Gardens and the Metropolitan Experience in the 1830s"

**Denise Phillips**, *University of Tennessee*, "The Countryside through Urban Eyes: Natural History, Taste and Regional Tourism in Germany, 1770-1830"

**Anna Maerker**, *Max Planck Institute for the History of Science, Berlin*, "The Wrong Toy for the Job: Anatomical Models Between Education and Entertainment in Late-Eighteenth-Century Vienna"

**Psychology, Lobotomy, and Deviance**

*(Greenway Ballroom - A)*

**Chair: Ben Harris**, *University of New Hampshire*

**Michael John Pettit**, *University of Toronto*, "Mind on the Market: Popular Psychology and the Disciplining of Deception in Progressive Era America"

**Susanne Louise Weber**, *London School of Economics and Political Science*, "The Body Does Not Lie: The Emergence of the Polygraph in the 20th Century"

**Mical Raz**, *Sackler School of Medicine, Tel Aviv University*, "Lobotomy as a Holistic Treatment for Mental Illness? Lobotomy in the United States 1937-1955 and the Boundaries between Organic and Behavioral Approaches in Psychiatric Medicine"

**Jack El-Hai**, "Inside the Mind of a Lobotomist: Walter Freeman and the Rise and Fall of Psychiatric Surgery"

**The Commercialization of Scientific Culture in 18th-Century Europe**

*(Greenway Ballroom - G)*

**Chair and Commentator: Alice Walters**, *Murray State University*

**Shelley Anne Costa**, *Independent Scholar*, "Words and Deeds: English Economies of Print and Gentility behind Eighteenth-Century Public Mathematics"

**Saturday, 5 November (continued)**

**3:30 P.M. - 5:30 P.M. (continued)**

**David Reid**, *Appalachian State University*, "Selling Education: Science, Commerce and Charity Among Religious Dissenters in Eighteenth-Century England"

**Michael Lynn\***, *Agnes Scott College*, "Advertising Aeronautics: The Marketing of Balloons in Europe, 1783-1820"

**The Practices of Quantum Theory**

*(Greenway Ballroom - J)*

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

**Jeroen van Dongen\***, *California Institute of Technology*, "Albert Einstein, Emil Rupp and the Canal Ray Experiments: A Case of Scientific Fraud?"

**Michel Janssen**, *University of Minnesota*, "The Dawn of Quantum Mechanics in Minnesota"

**Suman Seth**, *Cornell University*, "The Principles of Irrationality: Hoffding, Bohr and the Older Quantum Theory"

**Clayton A. Gearhart**, *St. John's University (Minnesota)*, "The Rotational Specific Heat of Molecular Hydrogen in the Old Quantum Theory"

**6:30 P.M. - 7:30 P.M.**

**Distinguished Lecture**

**Janet Browne**

*(Wellcome Trust Centre for the History of Medicine, University College London)*

**Making Darwin: Biography and Character**

*(Greenway Ballroom)*



**7:30 P.M. - 8:30 P.M.**

**HSS - Cash Bar Reception**

*(Nicollet Promenade)*

**8:30 P.M. - 10:00 P.M.**

**HSS Banquet - ticketed event**

*(Nicollet Ballroom)*

**10:30 P.M. - 12:00 A.M.**

**HSS/SHOT/Graduate Student & Everyone Else Co-located Party**

*(Mirage Room)*

**Sunday, 6 November**

**8:00 A.M. - 9:00 A.M.**

**HSS Business Meeting**

*(Skyway Suite)*

**9:00 A.M. - 11:45 A.M.**

*(Coffee Break 10:00 A.M. - 10:15 A.M. in Book Exhibit Hall)*

**Envisioning New Science, Turning Back in Time: The Role of Near-Eastern Sources in Early-Modern Practices of Science**

*(Greenway Ballroom - B)*

**Chair: Pamela Smith**, *Pomona College*

**Daniel Stolzenberg**, *Max Planck Institute for the History of Science*, "The Science of Talismans and the Roots of Idolatry: 17th-Century Oriental Studies and the Historicization of Magic"

**Scott Johnson**, *Harvard University*, "John Bainbridge, Savilian Professor of Astronomy at Oxford: Greek, Syriac, and Arabic Texts Post-Copernicus"

**Avner Ben-Zaken\***, *Harvard Society of Fellows*, "No Utopia is an Island"

**Experimenting with Scientific Narrative: Writing for a Popular Audience in Britain, 1850-1900**

*(Greenway Ballroom - C)*

**Chair & Commentator: Jim Paradis**, *Massachusetts Institute of Technology*

**Sunday, 6 November**

**9:00 A.M. - 11:45 A.M. (continued)**

**Aileen Fyfe\***, *National University of Ireland - Galway*, "Handbooks for Natural History and Travel in the Mid-Nineteenth Century"

**Bernard Lightman**, *York University*, "The Evolution of the Evolutionary Epic"

**Jim Mussell**, *Birkbeck College, University of London*, "'Passing Events': Science and the News in the Late Nineteenth Century Periodical Press"

**Gabriel K. Wolfenstein**, *University of California, Los Angeles*, "The Science Scene in The Strand: Popularizing Science in Late Victorian Britain"

### **Exploration in Early American Culture**

*(Greenway Ballroom - J)*

**Chair & Commentator: Donald Ross**, *University of Minnesota*

**Michael Frederick Robinson\***, *University of Hartford*, "Rethinking Early U.S. Exploration: Lewis & Clark and Alexander von Humboldt"

**Edward Gray**, *Florida State University*, "The Trials of John Ledyard, Client Traveler"

**Kathy Hermes**, *Central Connecticut State University*, "American Indians in the Pacific: How Captain Cook Understood Polynesia"

### **Gazing Southward: The Migration of Scientists and Scientific Ideas between North and South America**

*(Greenway Ballroom - D)*

**Chair: Shawn Mullet\***, *Harvard University*

**Olival Freire, Jr.**, *Universidade Federal da Bahia, Brazil & Dibner Institute*, "Commuting between Brazil and the United States: The Case of Brazilian Physicists (1945 - 1980)"

**Shawn Mullet**, *Harvard University*, "Different in Attitude, Different in Latitude: Richard Feynman and David Bohm in Brazil"

**Camilo Quintero**, *University of Wisconsin-Madison*, "Women's Hats, Colombian Birds and American Scientists: Exchanging Commodities in US-South America Scientific Relations"

**Catherine Nisbett**, *Princeton University*, "The Station: Harvard's Observatory in Peru"

### **Medical Philanthropy and Public Health in the 20th Century -** (Sponsored by the Forum for the History of Human Sciences)

*(Greenway Ballroom - E)*

**Chair & Commentator: Heather Munro Prescott\***, *Central Connecticut State University*

**Eric W. Boyle**, *University of California Santa Barbara*, "Rockefeller Philanthropy and the Scientific Solution to Health and Social Problems"

**Sheena M. Morrison**, *National Library of Medicine*, "The National Negro Health Movement and the Public Health Service (1914-1950)"

**Naoko Wake**, *Michigan State University*, "The Medicine Beyond Bones and Muscles: Social Psychiatrists and the Making of the 'Science' of Human Relations, 1920s-30s"

**Buhm Soon Park**, *National Institutes of Health*, "Another Look at Science - The Endless Frontier: A Perspective From the NIH"

### **Performing Science**

*(Greenway Ballroom - A)*

**Chair & Commentator: Robert Brain**, *University of British Columbia*

**Iwan Rhys Morus\***, *University of Wales, Aberystwyth*, "'The Whole Secret of Successful Exhibiting': Behind the Scenes at the Mid-Victorian Lecture"

**Sharrona Pearl**, *Harvard University*, "The Technology of Building Beauty on Nineteenth-Century Stages"

**David Kirby**, *University of Manchester*, "Big Screen Science: Scientists' Backstage Role in the Production of Hollywood Films"

**Roger D. Launius**, *National Air and Space Museum, Smithsonian Institution*, "'A Vast Scientific Harvest'? Apollo and the Expansion of Knowledge About the Moon"

### **Sciences of Places, Places of Science: Natural Science and its Environment in Twentieth-Century America**

*(Greenway Ballroom - F)*

**Commentator: Bruce Hevly**, *University of Washington*

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

**Gina Rumore\***, *University of Minnesota*, "A Natural Laboratory, A National Monument: Carving out Glaciology and Glacial Ecology in Glacier Bay, Alaska"

**Sunday, 6 November**

**9:00 A.M. - 11:45 A.M. (continued)**

**Keith R. Benson**, *Green College, University of British Columbia*, "The Pacific Coast, the Intertidal Zone, and a Place for Biology"

**Tulley Long**, *Oregon State University*, "Watershed Studies: Forest Ecology and the Field at the H.J. Andrews Experimental Forest, 1970-1980"

**Technical and Philosophical Conceptions of  
Nature in Antiquity**

*(Greenway Ballroom - G)*

**Chair: Liba Taub**, *University of Cambridge*

**Sylvia Berryman**, *University of British Columbia*, "Mechanics and Philosophical Theory in Antiquity"

**Serafina Cuomo**, *Imperial College, London*, "Contested Definitions of Techne in Classical Athens"

**Daryn Lehoux**, *University of King's College*, "Tomorrow's News Today: Astrology, Fate, and the Ways Out"

**The Work and Organization of Technical  
Computing Facilities**

*(Greenway Ballroom - H)*

**Commentator: Atsushi Akera\***, *Rensselaer Polytechnic Institute*

**Chair: Chigusa Kita**, *Kansai University (Japan)*

**Joe November**, *Princeton University*, "LINC: Biology's Revolutionary Little Computer"

**Dina Dalouka**, *National and Kapodistrian University of Athens*, "Electric Power Networks and Interwar Scientific Ontologies: Competing Orientations in the Early History of Computing (AkeraA1907)"

**David Alan Grier**, *Elliott School of International Affairs*, "Parallelism and Labor Substitution in Scientific Computation"

**Robert W. Seidel**, *University of Minnesota*, "From Factory to Farm: The Decentralization of Computing in High-Energy Physics"