

History of Science Society 2020

The sessions listed below represent the program that would have occurred if the HSS were able to meet in New Orleans. However, the global pandemic has made an in-person meeting impossible. We are grateful to our program chairs, Christine von Oertzen and Soraya de Chadarevian, for constructing such a comprehensive, engaging, and provocative program. Currently, the HSS is investigating how to transform this program into a virtual meeting. Stay tuned for updates!

Group 1 • Session 1

Organized Session

Earth and Environmental Sciences

A Science in Flux: Critical Histories of Geomorphology

ORGANIZER

Etienne Benson

University of Pennsylvania

CHAIR

Etienne Benson

University of Pennsylvania

PRESENTER 1

Solid Danger: Sediment Excess in Enlightenment River Science and its Afterlives, 18th-20th Centuries

Giacomo Parrinello

Sciences Po

PRESENTER 2

Dams, Ditches, and Disciplinary Entrenchment: Legacies of Early 20th Century North American Land and River Engineering in Contemporary Geomorphology

Leonora King

Kwantlen Polytechnic University

PRESENTER 3

Water Facts for the Nation's Future: Data, Development, and the Quantitative Turn in Fluvial Geomorphology, 1945-1975

Etienne Benson

University of Pennsylvania

PRESENTER 4

Decolonizing Sediments

Debjani Bhattacharyya

Drexel University

Bodies, Anatomy, and Medico-Legal Expertise

ORGANIZER

Claire Cage

University of South Alabama

CHAIR

Alisha Rankin

Tufts University

PRESENTER 1

Jean-Barthélemy Dazille and the Social Uses of Anatomy in the Eighteenth-Century French Empire

Meghan Roberts

Bowdoin College

PRESENTER 2

Burning Bodies and Medico-Legal Expertise in Nineteenth-Century Britain

Catherine Evans

University of Toronto

PRESENTER 3

Forensic Medicine on Trial in Nineteenth-Century France

Claire Cage

University of South Alabama

COMMENTATOR

Christopher Hamlin

University of Notre Dame

Chemistry at Work

PRESENTER 1

Locating Laboratory Lives: The Urban Workscapes of Biotechnology

Robin Wolfe Scheffler

Massachusetts Institute of Technology

PRESENTER 2

Zero Risk: Chemical Workers' Struggles for Health in Italy (1966-1977)

Sara Meloni

University of Pennsylvania

PRESENTER 3

The Legitimization of Chemical Textile Dyes as Food Additives in Europe and the US in the Late 19th Century

Carolyn Cobbold

University of Cambridge

PRESENTER 4

The Subjects Found That the Steak Was Blue: Science, Marketing and the Making of a Culinary Myth

Joel Harold Tannenbaum

Community College of Philadelphia

Cold War Science

PRESENTER 1

Ad Astra: A Study of the Impact of Restructuring on the Final Years of the Space Race

Jerryn F. Puckett
Independent Scholar

PRESENTER 2

Atomic Spy Klaus Fuchs: The Responsibility of Scientists

Nancy Greenspan
Independent Scholar

PRESENTER 3

Edward Shils and Cold War Communication Research: The MIT Indian Intellectuals Project, 1953-1961

Jefferson Pooley
Muhlenberg College

PRESENTER 4

Thought Experiments: Large-Scale Environmental Engineering during the Cold War

Matthias Dörries
University of Strasbourg

Fairness by Calculation: Four Centuries of Algorithmic Aspirations

ORGANIZER

William Deringer

Massachusetts Institute of Technology

CHAIR

Theodora Dryer

New York University / AI Now Institute

PRESENTER 1

Just Fines: Mathematical Tables, Church Landlords, and Fair Algorithms, c. 1628

William Deringer

Massachusetts Institute of Technology

PRESENTER 2

Voting by Algorithm: The 1930s Fight over Proportional Representation in Cambridge, MA

Alma Steingart

Columbia University

PRESENTER 3

Algorithmic Fairness and Actuarial Politics

Rodrigo Ochigame

Massachusetts Institute of Technology

COMMENTATOR

Theodora Dryer

New York University / AI Now Institute

Genres of Scientific Knowledge

ORGANIZER

Daniela S. Barberis

North Central College

CHAIR

Emily Hutcheson

University of Wisconsin Madison

PRESENTER 1

A Doctor's Note: Paolo Zacchia and the Development of Medico-legal Consilia

Julia Reed

Max Planck Institute for the History of Science, Berlin

PRESENTER 2

The Localization and Embodiment of the Environment in Early South Carolina Medicine

Alyssa Peterson

University of Texas Austin

PRESENTER 3

It Is Only What Comes from Us That Is Of Value: Creating Sociology Through Book Reviewing

Daniela S. Barberis

North Central College

PRESENTER 4

Fictional Writing and Listening - The "Verein für Museen" of Biologist Günter Tembrock

Sophia Graefe

Philipps-University Marburg

Imagining the Darwinian Revolution from Darwin to Dawkins

ORGANIZERS

Ian Hesketh

University of Queensland Australia

Jamie Freestone

University of Queensland Australia

CHAIR

Emily Kern

University of New South Wales

PRESENTER 1

Early Historians of the Darwinian Revolution: Herbert Spencer and Charles Darwin

Bernard Lightman

York University

PRESENTER 2

The Making of John Tyndall's Darwinian Revolution

Ian Hesketh

University of Queensland Australia

PRESENTER 3

Rewriting the Past, Rewriting the Theory: The Extended Evolutionary Synthesis and its Discontents

Vassiliki Betty Smocovitis

University of Florida

PRESENTER 4

How the History of Science is Used in Recent Popular Explanations of Darwinism

Jamie Freestone

University of Queensland Australia

Medicating the Empire

PRESENTER 1

Not of Parochial Interest Only: Imperial Connections and the Production of Knowledge about Tuberculosis in East Africa

Kirsten Moore-Sheeley

UCLA and Cedars-Sinai Medical Center

PRESENTER 2

This Formidable Foe Now Has a Conqueror: Patent Medicine Advertising in British Guiana, 1880-1920

Jacques Guyot

Icahn School of Medicine at Mount Sinai

PRESENTER 3

With Maps Illustrative of the Disease: Medical Cartography in Late Nineteenth-Century Colonial India

Lauren Bouchard Killingsworth

University of Cambridge

PRESENTER 4

The Lungs of a Ship: Labor, Medicine and the Maritime Environment, 1740-1800

Paul E. Sampson

University of Scranton

Persian Astronomy in the Seventeenth and Eighteenth Centuries

ORGANIZER

Peter Barker

University of Oklahoma

CHAIR

Robert Westman

University of California, San Diego, emeritus

PRESENTER 1

Astronomy in Seventeenth Century Persia: Bahā' al-Dīn al-Āmilī's Dissection of the Orbs and its Commentary Tradition

Younes Mahdavi

University of Oklahoma

PRESENTER 2

Persian Astronomy in Istanbul, 1730-1800

B. Harun Küçük

University of Pennsylvania

PRESENTER 3

Arabic and Persian Astronomy in Seventeenth and Eighteenth Century Europe

Peter Barker

University of Oklahoma

COMMENTATOR

Panel Discussion

Science Popularization as Cultural Diplomacy: UNESCO (1946-1958)

ORGANIZERS

Jaume Sastre-Juan

Center for the History of Science, Universitat Autònoma de Barcelona

Andrée Bergeron

Universcience - Centre Alexandre Koyré (EHESS-CNRS-MNHN)

CHAIR

Elena Aronova

University of California at Santa Barbara

PRESENTER 1

Science Popularization from the League of Nations to UNESCO: Continuities and Discontinuities in International Policies (1938-1948)

Andrée Bergeron

Universcience - Centre Alexandre Koyré (EHESS-CNRS-MNHN)

PRESENTER 2

The Battle over the “Social Implications of Science”: UNESCO, Science Service and the Shaping of Cold War Science Popularization (1947-1952)

Jaume Sastre-Juan

Center for the History of Science, Universitat Autònoma de Barcelona

PRESENTER 3

Man Measures the Universe: UNESCO Scientific Itinerant Exhibitions in the Early 1950s

Agustí Nieto-Galan

Universitat Autònoma de Barcelona

Hans Nachtseim, the UNESCO Declarations on Race and the Reintegration of West German Science after 1945

Matthis Krischel

Heinrich Heine University Düsseldorf

Scientific Method and the Sciences of Mind in the Nineteenth Century

ORGANIZER

David Ivan Delano

University of California Berkeley

CHAIR

Henry Cowles

University of Michigan

PRESENTER 1

Hierarchy and Experimentalism in Early Comparative Psychology

Evan Arnet

Indiana University Bloomington

PRESENTER 2

Logic and the Laws of Willing

Gloria Yu

University of California Berkeley

PRESENTER 3

Framing Intelligence: Darwinian Psychology and the Ends of Inquiry

David Ivan Delano

University of California Berkeley

PRESENTER 4

Between Geist and Realis: The Creation of Compulsory Psychological Education in Early Nineteenth-Century Germany

Richard Spiegel

Princeton University

Ways of Knowing the Universe

ORGANIZER

Jaco de Swart
University of Amsterdam

CHAIR

David DeVorkin
Smithsonian National Air and Space Museum

PRESENTER 1

Military Models of Life on Mars: Air Force Astrobiology in the Early Cold War

Jordan Bimm
Princeton University

PRESENTER 2

Blue Vegetation on the Red Planet: Soviet Astrobotany and Early Earth Analogues

Luis Campos
University of New Mexico

PRESENTER 3

The Event Horizon as a Vanishing Point: Visual Representations in Black Hole Research and Communication, 1973-2019

Emilie Skulberg
University of Cambridge

PRESENTER 4

How the Universe Went Missing: Dark Matter and the Rise of Physical Cosmology

Jaco de Swart
University of Amsterdam

Another Vast Machine I: Data, Models, and Simulations in the Human Sciences

ORGANIZER

Tabea Cornel
New College of Florida

CHAIR

Emily Klancher Merchant
UC Davis

PRESENTER 1

From Mass to Micro Persuasion in an Age of Big Data

Rebecca Lemov
Harvard University

PRESENTER 2

Hadooping the Genome: The Impact of Text Search Tools in Biomedicine

Hallam Stevens
Nanyang Technological University

PRESENTER 3

Fluorescent Sensors in Bayesian Brains: Transgenic Mice as Statistical Technologies in Neurogenomics

Tabea Cornel
New College of Florida

PRESENTER 4

Anatomy of a Biomedical Controversy: Cancer Screening, Statistics, and Simulation Modeling

Christopher J. Phillips
Carnegie Mellon University

Bible-Based Science in Paracelsus and his Followers

ORGANIZER

William R. Newman
Indiana University

CHAIR

James Voelkel
Science History Institute

PRESENTER 1

Radical Spiritualism Meets Spagyric Cosmology: Paracelsus on the Scriptural Foundations of Natural, Divine, and Demonic Magic

Dane T. Daniel
Wright State University - Lake Campus

PRESENTER 2

The Two Lights: The Interplay of Natural Philosophy and Theology in Paracelsus

Urs Leo Gantenbein
Zurich Paracelsus Project, University of Zurich

PRESENTER 3

A Medicina Mosaica: the Monarchia Triadis in Unitate by Gerhard Dorn (1577)

Didier Kahn
Centre National de la Recherche Scientifique

PRESENTER 4

A Chymist among Beasts: Paracelsus and Animal-lore

William R. Newman
Indiana University Bloomington

Bodies of Evidence: 20th Century Latin American Biomedicine and Knowledge Production

ORGANIZER

Julia E. Rodriguez
University of New Hampshire

CHAIR

Julia E. Rodriguez
University of New Hampshire

PRESENTER 1

Inválidos: Hospitals and Asylums in the Rise of Medical Professionalism in Central America, 1890-1944

Heather Vrana
University of Florida

PRESENTER 2

The Body Decentered: Envisioning Medical Modernity and Charity in the Photographic Records of Lima, Peru's Public Beneficence Society, 1910-1920

Adam Warren
University of Washington

PRESENTER 3

Bodies, Race, and Native Diets across Mexico and the United States, 1930-1950

Karin Roseblatt
University of Maryland

PRESENTER 4

The Skull Wall: Afterlives of Andean Science in the Smithsonian's Hall of Physical Anthropology, 1900-1965

Christopher Heaney
Pennsylvania State University

Chance Encounters

PRESENTER 1

A Promising Land: Geographical Knowledge and Qing China's Governance in Xinjiang, 1759-1881

Xue Zhang

Princeton University

PRESENTER 2

Uncovering Historic 'Whisper' Networks: Women's Friendships in Mid Twentieth Century New Zealand Science

Kate Hannah

University of Auckland

PRESENTER 3

Trading between Science and Its “Others”: What “Chinese Medicine” Could Do for a Global History of Science

Sean Hsiang-lin Lei

Academia Sinica, Taiwan and Institute of Science, Technology and Society, Yangming University

PRESENTER 4

A Glowing Garish Ghost Haunts: The Generative Role of Kitsch as Public Engagement

Michael Édouard Laurentius

York University

Colonial and Postcolonial Science

PRESENTER 1

No Man is an Island: Innovations and Injustices at the Powder Mills of Isle de France (Pamplemousses, Mauritius)

Yadhav Deerpaal

National Research University - Higher School of Economics, Saint Petersburg - Russia

PRESENTER 2

Professionalizing Science: British Geography, Africa, and the Exploration of the Nile

Miguel Angel Chavez

Vanderbilt University

PRESENTER 3

Building a Science of the Post-Colonial Body in Egypt

Jennifer L. Derr

University of California, Santa Cruz

PRESENTER 4

Tracking Decolonisation: The Case of the Journal of Genetics Going East

Gordon McQuat

University of King's College/Dalhousie University

Arden Rogalsky

University of King's College

Graphic Discourse and Narrative in the History of Science I

ORGANIZERS

Mark L. Hineline

Independent Scholar

Matthew Shindell

Smithsonian Institution

CHAIR

Joan Steigerwald

York University

PRESENTER 1

Matthew Shindell

Smithsonian Institution

PRESENTER 2

Sally Cochran

Princeton University

PRESENTER 3

Pierre Laszlo

University of Liège (retired)

PRESENTER 4

Hanna Rose Shell

University of Colorado Boulder

Is Deep History White?

ORGANIZER

Pratik Chakrabarti
University of Manchester

CHAIR

Pratik Chakrabarti
University of Manchester

PRESENTER 1

Myrna Perez Sheldon
Ohio university

PRESENTER 2

Patricia Martins Marcos
University of California San Diego

PRESENTER 3

Sarah M. Pickman
Yale University

PRESENTER 4

Sarah A. Qidwai
University of Toronto

PRESENTER 5

Neil Safier
Brown University

PRESENTER 6

Pratik Chakrabarti
University of Manchester

PRESENTER 7

Emily Kern
University of New South Wales

Narratives of Seeds I: Interrogating Disciplinary Boundaries between Histories of Science and Technology

ORGANIZERS

Prakash Kumar

Pennsylvania State University

Helen Ann Curry

University of Cambridge

CHAIR

Francesca Bray

University of Edinburgh

PRESENTER 1

Helen Ann Curry

University of Cambridge

PRESENTER 2

Prakash Kumar

Pennsylvania State University

PRESENTER 3

Aleksandar Shopov

Max Planck Institute for the History of Science, Berlin

PRESENTER 4

Divya Sharma

University of Sussex

Sound and Color as Infrastructure: Electrifying the Built Environment in the Long 20th Century

ORGANIZER

Lida Zeitlin Wu

University of California Berkeley

CHAIR

Lida Zeitlin Wu

University of California Berkeley

PRESENTER 1

The Neon Surround: History, Theory, and Technique

Carolyn L. Kane

Ryerson University

PRESENTER 2

“Choose Your Color”: Mood Conditioning in the Postwar Domestic Interior

Lida Zeitlin Wu

University of California Berkeley

PRESENTER 3

Producing Sonic Space: Telephony and the Emergence of Stereophonic Sound

Harry Burson

University of California Berkeley

COMMENTATOR

Sandy Isenstadt

University of Delaware

The First: Priority, Failure and Originality in the Making of the History of Science

ORGANIZER

Ahmed Ragab

The Center for Black, Brown, and Queer Studies

CHAIR

Ahmed Ragab

The Center for Black, Brown, and Queer Studies

PRESENTER 1

Transing Our “Litany of Frontier Vignettes”: Native Science and the Illusion of Red Progress(ives)

Eli Nelson

Williams College

PRESENTER 2

Notes on Awareness: Mabel Lujan and the Firsts of Failure

Barbara Pohl

Yale University

PRESENTER 3

Origin Myths: Counterfeit, Computers, and Controlling Currency

Gili Vidan

Harvard University

COMMENTATOR

Ahmed Ragab

The Center for Black, Brown, and Queer Studies

Underground Labor: Earth Workers, Evidence, and Erasure

ORGANIZER

Patrick Anthony
Vanderbilt University

CHAIR

Lukas Rieppel
Brown University

PRESENTER 1

The Field Man: Skill and Identity in Underground Scientific Research at Dinosaur National Monument and Agate Fossil Beds

Jeremy Vetter
University of Arizona

PRESENTER 2

The Unknown Discoverers: Scientific Practice and Knowledge Production in Postcolonial Indonesia

Paige Madison
Arizona State University

PRESENTER 3

The Production of Sustainability: Labor Relations and “Rival Ecologies” in Central European Mines, ca. 1800

Patrick Anthony
Vanderbilt University

COMMENTATOR

Lydia Barnett
Northwestern University

When History of Science and Technology is Difficult History

ORGANIZER

Aimee Slaughter

Los Alamos Historical Society

CHAIR

Aimee Slaughter

Los Alamos Historical Society

PRESENTER 1

Lara Freidenfelds

PRESENTER 2

Katrina N. Jirik

PRESENTER 3

Kara W. Swanson

Northeastern University

PRESENTER 4

Stephanie E. Vasko

Michigan State University

PRESENTER 5

Alex Wellerstein

Stevens Institute of Technology

PRESENTER 6

Johannes-Geert Hagmann

Deutsches Museum

Another Vast Machine II: Data, Models, and Simulations in the Human Sciences

ORGANIZER

Emily Klancher Merchant
UC Davis

CHAIR

Tabea Cornel
New College of Florida

PRESENTER 1

Physicians of the Future: Reconfiguring the Patient's Chart for the Production of Usable Data

Michael J. Neuss
Vanderbilt University Medical Center

PRESENTER 2

Excavating the Origins of Sociogenomics

Emily Klancher Merchant
UC Davis

PRESENTER 3

The New Face of Race in the Epigenetic Age: Towards a Survey of past Trauma, the Creation of Predictive Technologies and Their Limits

Élodie Grossi
Université Toulouse Jean Jaurès

PRESENTER 4

Algorithmic Bias and Norms about the Past: The Thin Line between Predicting and Creating the Future

Emanuele Ratti
University of Notre Dame

Censoring Science in the Early Modern Mediterranean

ORGANIZERS

Jonathan Regier

Ghent University

Hannah Marcus

Harvard University

CHAIR

Hannah Marcus

Harvard University

PRESENTER 1

In the Time of Melancholy: Medical Translation, Religious Conversion, and Resilience in the Early Modern Ottoman World

Duygu Yildirim

Stanford University

PRESENTER 2

Making a Censor: Learned Magic in Robert Bellarmine's *Lectiones Iovanienses*

Neil Tarrant

University of York

PRESENTER 3

Girolamo Cardano's Philosophy of Threat and the Roman Inquisition

Jonathan Regier

Ghent University

COMMENTATOR

Hannah Marcus

Harvard University

Explaining Everything: Models, Machines, and Black Boxes in Histories of Science and Technology

ORGANIZER

Lan A. Li
Rice University

CHAIR

Elizabeth R. Petrick
Rice University

PRESENTER 1

Body Boxes: Sexual Inversion and the Embodiment of Sexual Selection

Rodolfo John Alaniz
Institute for Historical Studies

PRESENTER 2

Functional Boxes: UNIFACE, the Personal Computer, and Accessibility in 1990s Germany

Jan Muggenburg
Institute of Culture and Aesthetics of Digital Media (ICAM) Leuphana University

PRESENTER 3

Battery Boxes: Cyborg Connections and Cesarean Sections in Colombo (1962-1985)

Lan A. Li
Rice University

PRESENTER 4

Uncomfortable Boxes: A History of Thermal Discomfort in 20th Century India

Bharat Venkat
UCLA Institute for Society and Genetics

Faithful Representations: Observation, Mediation, and the Visual Reproduction of Nature

ORGANIZER

Samantha M. Thompson
National Air and Space Museum

CHAIR

Elizabeth Kessler

PRESENTER 1

“So True to Nature”: Illusion and Immersion in the Early Planetarium

Katie Boyce-Jacino
Arizona State University

PRESENTER 2

Transcribing the Lunar Environment: Art, Draughtsmanship, and the USGS Moon Maps of the 1960s

Lois Rosson

PRESENTER 3

Capturing the Northern Lights: The Use of Television Cameras to Measure and Study Aurora

Samantha M. Thompson
National Air and Space Museum

PRESENTER 4

Seeing the World with Super-sight: The Science Photography of Berenice Abbott

Talia Shabtay Filip

Forgotten Genealogies: Medical Genetics and the Emergence of Human Genomics

ORGANIZERS

Miguel Garcia-Sancho

University of Edinburgh

Susan Lindee

University of Pennsylvania

CHAIR

Soraya de Chadarevian

University of California Los Angeles

PRESENTER 1

Sequencing, Bibliometrics and History: A “From Below” Perspective on the Emergence of Human Genomics

Miguel Garcia-Sancho

University of Edinburgh

PRESENTER 2

Cystic Fibrosis and Genetic Prognostication: From the Trope of a Cure to the Uncertainties of Precision Medicine

Rebecca Mueller

University of Pennsylvania

PRESENTER 3

Conflicting Priorities: Genetic Counseling, Disability Advocacy, and Genomic Research

Andrew J. Hogan

Creighton University

COMMENTATOR

Susan Lindee

University of Pennsylvania

Global Water Infrastructures

PRESENTER 1

From God's Waters to Unworthy Matter: Profit, the Textile Industry and the Secularization of the Arno River in 13th-Century Florence

Luna Sarti

University of Pennsylvania

PRESENTER 2

How Infrastructures Age: Public Power, the TVA, and Environmental Justice in Memphis, TN since 1933.

Hannah C. Conway

Harvard University

PRESENTER 3

Tsuguo Nozaki's Fieldwork and the Collaborative Nature of Dam-Building in the Third World

Carlie Cervantes de Blois

University of Minnesota Twin Cities

PRESENTER 4

Mr. Crane, the Faithful Husband: Ugandans Rethinking Wetland Conservation, 1980 to Present

John Doyle-Raso

Michigan State University

Graphic Discourse and Narrative for History of Science II

ORGANIZERS

Matthew Shindell

Smithsonian Institution

Mark L. Hinline

Independent Scholar

CHAIR

Joan Steigerwald

York University

PRESENTER 1

David DeVorkin

Smithsonian Institution

PRESENTER 2

Andrew Kirk

University of Nevada, Las Vegas

PRESENTER 3

Mary Richie McGuire

Virginia Polytechnic Institute and State University

PRESENTER 4

Penelope K. Hardy

University of Wisconsin - La Crosse

PRESENTER 5

Mark L. Hinline

Independent Scholar

Greek Science and Its Perception

PRESENTER 1

A Hamiltonian Interpretation of the Antikythera Mechanism

Alessandro Amabile

Università degli Studi di Napoli Federico II

PRESENTER 2

Aristotle's Wheel: A Peripatetic Paradox of Motion

Arthur Harris

University of Cambridge

PRESENTER 3

Conceptions of Science in the Later Islamic Intellectual History (1250-1550)

Kenan Tekin

Harvard University/Yalova University

PRESENTER 4

Meanings of the Right Triangle in Ancient Geometry

John Z. Wee

University of Chicago

Narratives of Seeds II: Interrogating Disciplinary Boundaries between Histories of Science and Technology

ORGANIZERS

Helen Ann Curry

University of Cambridge

Prakash Kumar

Pennsylvania State University

CHAIR

Barbara Hahn

Texas Tech University

PRESENTER 1

Yuan Yi

Columbia University

PRESENTER 2

Courtney Fullilove

Wesleyan

PRESENTER 3

Gabriela Soto Laveaga

Harvard University

PRESENTER 4

Tiago Saraiva

Drexel University

PRESENTER 5

Sanjukta Ghosh

School of Oriental and African Studies

Settler Colonialism and Postcolonialism in the History of Science and Technology

ORGANIZERS

Tess Lanza

University of Toronto

Marco Ramos

Yale University

CHAIR

Suman Seth

Cornell University

PRESENTER 1

Tess Lanza

University of Toronto

PRESENTER 2

Ashanti Shih

University of Southern California

PRESENTER 3

Rosanna Dent

New Jersey Institute of Technology

PRESENTER 4

Marco Ramos

Yale University

PRESENTER 5

Sebastián Gil-Riaño

University of Pennsylvania

The Science of Violence in 20th-Century North America: Experts and Their Public

ORGANIZER

Stephanie Pache

Université du Québec à Montréal

CHAIR

Elizabeth Lunbeck

Harvard University

PRESENTER 1

The Killer Instinct: An Idea and Its Reception in 1960s America

Nadine Weidman

Harvard University

PRESENTER 2

Wars Begin in the Minds of Men: UNESCO and the Scientific Study of Violence, War, and Peace

Deborah Weinstein

Brown University

PRESENTER 3

Politics of Sexual Violence: The Psychology of Consent in Contemporary North America

Stéphanie Pache

Université du Québec à Montréal

COMMENTATOR

Jill Morawski

Wesleyan University

***OSIRIS* | Food Matters: Critical Histories of Food and the Sciences**

ORGANIZERS

Suman Seth

Cornell University

Patrick McCray

UC Santa Barbara

CHAIR

Suman Seth

Cornell University

PRESENTER 1

Emma Spary

Cambridge University

PRESENTER 2

Anya Zilberstein

Concordia

PRESENTER 3

Suman Seth

Cornell University

PRESENTER 4

Patrick McCray

UC Santa Barbara

Colonial Science in Louisiana and Beyond: Patronage, Commodities and Expertise in the 18th Century French Atlantic World

ORGANIZER

Jordan Kellman

University of Louisiana at Lafayette

CHAIR

Neil Safier

John Carter Brown Library/Brown University

PRESENTER 1

These Are the Sorts of People That Promise Everything but Have No Difficulty Forgetting: Transplanting Specimens in Eighteenth-Century Louisiana

Chris Parsons

Northeastern University

PRESENTER 2

Coffee, Science, and Colonial Prosperity in the French Caribbean, 1710-1890

Stuart McCook

University of Guelph

PRESENTER 3

J.-B. Patris and Enlightenment Medicine in the Amazon

Francois Regourd

University of Paris X - Nanterre/ESNA-UMR Mondes Américains

PRESENTER 4

Jesuit and Franciscan Scientific Exploration in the Early Louisiana Territory

Jordan Kellman

University of Louisiana at Lafayette

Concepts in 20th-Century Biology

PRESENTER 1

What's New in the New Systematics? Subspecies Concepts and the Modern Synthesis

Beckett Sterner

Arizona State University

Elliott D. Millinor

Arizona State University

PRESENTER 2

The Organicist Roots of the Levels Concept, 1910-1937

Daniel S. Brooks

University of Cincinnati

PRESENTER 3

Henri Bergson's Creative Evolution and 20th-Century British Biology

Emily Herring

University of Ghent

PRESENTER 4

Biology Is Not This Way: Opening New Life Science Knowledge via the Building of Closed Environments for the Space Age

David PD Munns

City University of New York

Epidemics and Disasters

PRESENTER 1

Crescent City Crisis: Bubonic Plague in New Orleans, 1912-1921

Kevin George McQueeney

Georgetown University

PRESENTER 2

Earthquake Narratives: Uses of Archival Documents in Historical Seismology

Kathryn Renton

Occidental College

PRESENTER 3

From Outbreak to Pandemic: Making the Justinianic Plague a Global Catastrophe

Merle Eisenberg

National Socio-Environmental Synthesis Center (SESYNC), University of Maryland

PRESENTER 4

How Miscommunication Fostered Mistrust during the 1979 Accident at Three Mile Island

Hannah Elaine Pell

Independent Scholar

Expertise and Private Life in the 20th Century: Science, Communication, and Sexual Subjectivity

ORGANIZER

Teri Chettiar

University of Illinois Urbana-Champaign

CHAIR

Isabel Gabel

University of Pennsylvania

PRESENTER 1

When Expertise Precedes Science: Counseling for Donor Insemination in Belgian Fertility Clinics in the 1970s and 1980s

Tinne Claes

Katholieke Universiteit Leuven

PRESENTER 2

Risk, Responsibility, and Transformations in the Parent-Child Relationship in Reproductive Counseling in West Germany

Birgit Nemec

Heidelberg University

PRESENTER 3

Intimacy Expertise and the Making of Queer Relationships During Britain's Sexual Revolution

Teri Chettiar

University of Illinois Urbana-Champaign

PRESENTER 4

You Know What I Mean: Sexual Health Organizations as Expert Advice Columnists

Saniya Lee Ghanoui

University of Illinois at Urbana-Champaign

Gender and Science

PRESENTER 1

Gender and the History of Medical Anthropology

Catherine Mas

Florida International University

PRESENTER 2

Hidden Problematic Figures: Recovery without Rehabilitation of An Uncredited Eugenicist

Brent Ruswick

West Chester University of Pennsylvania

PRESENTER 3

Motherhood, Menstrual Blood, and the Moon: Life and Death in the Early Modern Womb

Rhianna Elliott

University of Cambridge

PRESENTER 4

A Bundle of Sadness: The Medicalization of Postpartum Depression in the United States, 1970-1996

Rachel Linfield

University of Cambridge

In Memoriam of Aaron Stephen Moore: Infrastructure in East Asia

ORGANIZERS

Juyoung Lee

Johns Hopkins University

Hiromi Mizuno

University of Minnesota

CHAIR

John DiMoia

Seoul National University

PRESENTER 1

Building Roads in Colonial Manchuria (1905-45)

Yuting Dong

Harvard University

PRESENTER 2

Engineering the Korean War “Crossing of the Yalu”

Joseph Seeley

University of Virginia

PRESENTER 3

Corporate Consultants and Chemical Fertilizer Plants in Postwar East Asia

Juyoung Lee

Johns Hopkins University

PRESENTER 4

Technological Intervention in Rural Life: The Soyang Multi-purpose Dam Construction in Postcolonial Korea

Seohyun Park

Virginia Tech

Intellectual Property, National Security, and the Anglo-American Hegemonic Transition, 1914-1945

ORGANIZER

Katherine Epstein
Rutgers University-Camden

CHAIR

Margaret Graham
McGill University

PRESENTER 1

Radio, U.S. Patent Law, and World War I

Kathryn Steen
Drexel University

PRESENTER 2

The Politics of Erasure: Memory, Technology, and Institutions in Second World War-era Anglo-American Diplomacy

Michael Falcone
Dartmouth College

PRESENTER 3

Yesterday's China: US Patent Law and Anglo-American Technology Transfer

Katherine Epstein
Rutgers University-Camden

COMMENTATOR

Margaret Graham
McGill University

Laser Focus: Planning, Modeling, and Implementing Interferometry to Illuminate the Science-Technology-Policy Interface

ORGANIZER

Connemara Doran
Harvard University

CHAIR

Theresa Levitt
University of Mississippi

PRESENTER 1

Precision Interferometry from Fizeau and Michelson to the Cosmic First Light

Connemara Doran
Harvard University

PRESENTER 2

More Than Models: Prototypes as Historical Records of the Evolving Epistemic Understandings of the Future Object of Study

Tiffany Nichols
Harvard University

PRESENTER 3

Lasers in Space: A Preliminary Focus on the History of LISA, the Proposed Space-Based Gravitational Wave Detector

Daniel Kennefick
University of Arkansas

COMMENTATOR

David Kaiser
Massachusetts Institute of Technology

Science, Superstition, and the Rationalization of Magic in Eighteenth Century Europe and North America

ORGANIZERS

Michael Lynn

Purdue University Northwest

Jean-Olivier Richard

University of Toronto

CHAIR

Michael Lynn

Purdue University Northwest

PRESENTER 1

A Graft of the Tree of Life: Superstition or Medicine?

Alexandra Lord

Smithsonian Institution

PRESENTER 2

Invisible Worlds: Magic, Spirits, and Experience in the Early Enlightenment

Tricia Peone

New Hampshire Humanities Council

PRESENTER 3

Science, Magic, and Trickery in the Global Enlightenment: The Curious Case of Jean-Bernard Bossu (1720-1792)

Jean-Olivier Richard

University of Toronto

COMMENTATOR

Michael Lynn

Purdue University Northwest

The Meanings of Things: How Disability Reframes Histories of Knowledge and Its Artifacts

ORGANIZERS

Jessica Martucci

Science History Institute

Hemachandran Karah

Indian Institute of Technology, Madras

CHAIR

Amy Slaton

Drexel University

PRESENTER 1

Nicole Belolan

Rutgers University-Camden

PRESENTER 2

Pallavi Podapati

Princeton University

PRESENTER 3

Ashley Shew

Virginia Tech

PRESENTER 4

Jaipreet Virdi

University of Delaware

The Septic Fringe: Developing a History of Marginalized Species

ORGANIZER

Matthew Holmes
University of Cambridge

CHAIR

Joan Steigerwald
York University

PRESENTER 1

Putrid Feavers, Morbid Ferments: Fermentation and Putrefaction in Early Modern Iatrochemistry

Carmen Schmechel
Freie Universität Berlin, Philosophical Institute

PRESENTER 2

Spectacular Experiments and Yeasts of Harm: Modernizing Fermentation in French Indochina

Aro Velvet
University of Southern California

PRESENTER 3

Child of Civilization: Fighting the Cockchafer Beetle in Late Nineteenth-Century France, Britain and Ceylon

Matthew Holmes
University of Cambridge

PRESENTER 4

Unwanted: Before the Honey Bee Became Desirable

Brenda Kellar
Oregon State University

UFOs and Ufology as Transnational Phenomena

ORGANIZER

Greg Eghigian
Pennsylvania State University

CHAIR

Roshanna Sylvester
University of Colorado Boulder

PRESENTER 1

The Tunguska Event in Soviet UFOlogy

Andy Bruno
Northern Illinois University

PRESENTER 2

Countercultural Religion in Extraterrestrial Space: UFO Theologies as Cold War Logics

Kate Dorsch
University of Pennsylvania

PRESENTER 3

UFO New Supercraft Under Test: Science, Conspiracy Theory, and the Public Response to the 1967 Shag Harbour UFO Incident

Noah Morritt
Memorial University of Newfoundland

PRESENTER 4

How UFOs Went Global: The Internationalization of Ufology, 1947-1980

Greg Eghigian
Pennsylvania State University

Agriculture in Colonial and Postcolonial Contexts

PRESENTER 1

Fertilizer, Preservation, and the Popularization of Late-Victorian Egyptology

Meira Gold

European University Institute

PRESENTER 2

Indian Engagements with Scientific Agriculture under British Colonial Rule: The Case of the United Provinces

Sandipan Baksi

Tata Institute of Social Sciences, Mumbai, India

PRESENTER 3

Asceticism and Food Crops in 16th-Century Mexico

Marlis Hinckley

Johns Hopkins University

PRESENTER 4

Interconnected Cropscares, Agronomists and Varieties in the Global South

Marianna Fenzi

Laboratory for the History of Science and Technology, EPFL, Lausanne.

Animals in/as Technologies

ORGANIZERS

Rachel A. Ankeny

University of Adelaide

Brad Bolman

Harvard University

CHAIR

Miguel Garcia-Sancho

University of Edinburgh

PRESENTER 1

Brad Bolman

Harvard University

PRESENTER 2

Gina Surita

Princeton University

PRESENTER 3

Christine Keiner

Rochester Institute of Technology

PRESENTER 4

Rachel A. Ankeny

University of Adelaide

Breakdown of the Productive Self: Work Sciences and Industrial Affect in the Twentieth Century

ORGANIZERS

Sam Schirvar

University of Pennsylvania

Jiemin Tina Wei

Harvard University

CHAIR

Jennifer Alexander

University of Minnesota Twin Cities

PRESENTER 1

Ameliorating Worker Fatigue through the Body's Motions and Pauses: Frank and Lillian Gilbreth's "Motion Studies," 1910-1924

Jiemin Tina Wei

Harvard University

PRESENTER 2

To Advance Innovation and Invention, to Agitate for a Technological Revolution: Labor Psychology in the Early People's Republic of China

Victor Seow

Harvard University

PRESENTER 3

HOWL! Human Factors Research on the Stressed and Strained Mind at Work during the 1970s

Sam Schirvar

University of Pennsylvania

COMMENTATOR

Jennifer Alexander

University of Minnesota Twin Cities

Credibility in Circulation

ORGANIZER

Gianamar Giovannetti-Singh
University of Cambridge

CHAIR

Pratik Chakrabarti
University of Manchester

PRESENTER 1

Monuments, astronomy, or hermeneutics? China and the invention of Enlightenment world history

Gianamar Giovannetti-Singh
University of Cambridge

PRESENTER 2

A Once Credible Science; or, the Lost Art of Arabic Astrology

Margaret Gaida
Oklahoma State University

PRESENTER 3

Michael Boym and the Pictorial Co-Construction of Chinese and Southeast Asian Nature

Eszter M. Csillag
University of Hong Kong

COMMENTATOR

Alexander Statman
University of Wisconsin Madison

Darwin and Darwinism

PRESENTER 1

To Be Esteemed by My Fellow Scientists: Examining the “Professional Man's” Rhetoric in the Origin of Species

Arya Mohan

The English and Foreign Languages University, India

PRESENTER 2

Beyond Sexual Selection: Darwin on Sex outside The Descent of Man

Greg Priest

Stanford University

PRESENTER 3

A Darwinian Murder: The Role of the Barré-Lebiez Affair in the Diffusion of Darwinism in 19th-Century France

Liv Grjebine

Harvard University ; Institut d'Histoire Moderne et Contemporaine (Université Paris 1-Panthéon La Sorbonne and l'Ecole Normale supérieure)

PRESENTER 4

Inequality and Prejudice: The Popular Visual Culture of Human Evolution in Mexico (1970-2018)

Erica Torrens

National University of Mexico

Histories of Science and Capitalism in Latin America and the Caribbean

ORGANIZER

Jordan A. Howell
Harvard University

CHAIR

Stuart McCook
University of Guelph

PRESENTER 1

Jordan A. Howell
Harvard University

PRESENTER 2

Angélica Márquez-Osuna
Harvard University

PRESENTER 3

Israel García Solares
University of California San Diego

PRESENTER 4

Megan Raby
University of Texas Austin

PRESENTER 5

David Singerman
University of Virginia

Medical Algorithms: Computing, Diagnosis, and Health in the United States

ORGANIZER

Gerardo Con Diaz

University of California Davis

CHAIR

Mary Mitchell

Purdue University

PRESENTER 1

Computerizing Diagnosis: Minds, Medicine, and Machines in Twentieth-Century America

Andrew Lea

Johns Hopkins University

PRESENTER 2

The Automated Clinic: Computerized Health Testing and the Architecture of Prevention, 1960-1980

Jeremy Greene

Johns Hopkins University

PRESENTER 3

Prometheus' Patents: Owning Medical Algorithms in the 21st Century

Gerardo Con Diaz

University of California Davis

PRESENTER 4

Auto-Intimacy: Algorithmic Therapies

Hannah Zeavin

University of California Berkeley

New Perspectives on Soviet Science and Society

ORGANIZER

Michael James Coates III

University of California, Berkeley

CHAIR

Pey-Yi Chu

Pomona College

PRESENTER 1

Making Knowledge Soviet: On the History of the Great Soviet Encyclopedia

Michael James Coates III

University of California, Berkeley

PRESENTER 2

Anxiety on the Kovalievsky: Contested Expertise in Cuban-Soviet Scientific Expeditions

Clarissa Ibarra

University of California, Berkeley

PRESENTER 3

Darwinism in the Soviet Union

Mirjam Voerkelius

University of Maryland, Baltimore County

PRESENTER 4

Soviet Hybridization and the Human-Animal Boundary

Nicole Eaton

Boston College

Psychology/Psychiatry

PRESENTER 1

Reporting Facts of Insanity around the World: The Certification of Lunacy between Stigma and Standardization (1850s-1890s)

Filippo Maria Sposini

University of Toronto, IHPST

PRESENTER 2

The First Laboratories for Experimental Psychology in Brazil: An Intersection of Different Historiographies

Arthur Arruda Leal Ferreira

Federal University of Rio de Janeiro (UFRJ)

Hugo Leonardo Rocha Silva da Rosa

Federal University of Rio de Janeiro (UFRJ)

PRESENTER 3

Tracing Cognitive Behavioral Therapy's Account of Cognitive Distortions

Sahanika Ratnayake

University of Cambridge

PRESENTER 4

Rehabilitating the Veteran: Violence, Sensationalism, and Medical Treatment in Post-Civil War America

Laura Elizabeth Smith

University of Arkansas

Re-Examining the Medical Encounter

ORGANIZERS

Leah Astbury

University of Cambridge

Carolyn Schmitz

University of Cambridge

CHAIR

Leah Astbury

University of Cambridge

PRESENTER 1

Carolyn Schmitz

University of Cambridge

PRESENTER 2

Sasha Turner

Johns Hopkins University

PRESENTER 3

Elaine Leong

University College London

PRESENTER 4

Philip Rieder

University of Geneva

PRESENTER 5

Marta Hanson

Johns Hopkins University

Waste, Resource, Residue: Chemical Histories

ORGANIZERS

Evan Hepler-Smith

Duke University

Laura J. Martin

Williams College

CHAIR

Gabriela Soto Laveaga

Harvard University

PRESENTER 1

Gilbert J. Fowler (1868-1953), Energetic Holisms, and the Empire of Nitrogen in India

N. J. Dharan

University of Pennsylvania

PRESENTER 2

Toxaphene: A Chemical History

Evan Hepler-Smith

Duke University

PRESENTER 3

Chemical Plants and Plants That Are Chemical

Laura J. Martin

Williams College

PRESENTER 4

E-Waste as Archive: Unsettling Technological Humanitarianism in Neoliberal Ghana

Kwame Edwin Otu

University of Virginia

Building the Margins : Infrastructure and Nation at the Intersection of Sea, Sky, and Soil in China, Japan, and Korea

ORGANIZER

Subodhana Wijeyeratne
Harvard University

CHAIR

Ian Miller
Harvard University

PRESENTER 1

Cheju as Contested Model: Parasitology, Public Health, and Nation-Building in Post-Colonial South Korea, mid-1960s

John P DiMoia
Seoul National University

PRESENTER 2

Constructing Coastal Biological Stations in 20th Century China: Tsingtao and Hong Kong

Christine Luk
Tsinghua University

PRESENTER 3

Between the Rocket and the Deep Blue Sea: Space Exploration and the “Fishing Problem” in Southern Japan, 1950-1980

Subodhana Wijeyeratne
Harvard University

COMMENTATOR

Zuoyue Wang
California State Polytechnic University

Collecting and Classifying in Natural History

PRESENTER 1

What the [Eighteenth Century] Whalemen Knew: Vernacular Maritime Knowledge in Lacépède's Histoire naturelle des cétacées (1804)

Céline M. Stantina
McGill University

PRESENTER 2

Collecting Copper Mountain: The First Botanical Collection in Denali National Park, Ynes Mexia, 1928

Kathryn Davis
San Jose State University

PRESENTER 3

Early Modern Classification of New World Insects

Deirdre Moore
Harvard University

PRESENTER 4

Facets of Fossils during the Nineteenth Century: Vertical Territory, National Heritage and Deep Time Framing

Victor Monnin
University of Strasbourg

Cultures of Observation and Experiment in Psychoanalysis

ORGANIZER

Andreas Mayer

French National Center for Scientific Research (CNRS)

CHAIR

Andreas Mayer

French National Centre for Scientific Research (CNRS)

PRESENTER 1

Sciences and Techniques of the Dreaming Body in the Twentieth Century

Andreas Mayer

French Centre for National Scientific Research (CNRS)

PRESENTER 2

The Ego in the Psychological Laboratory: Martin Mayman's Experiments at the Menninger Clinic

Leah Xue

Harvard University

PRESENTER 3

Science and Psyche: Assessing Therapeutic Outcomes from Freud to AI

Elizabeth Lunbeck

Harvard University

COMMENTATOR

John Carson

University of Michigan

Expertise and Exercise

ORGANIZERS

Katherine Contess

Brown University

Hongwei Thorn Chen

Tulane University

CHAIR

Scott Kushner

University of Rhode Island

PRESENTER 1

Performing Expertise, Reforming Customs: Cinema, Industrial Technique, and Embodied Knowledge in Semi-Colonial China

Hongwei Thorn Chen

Tulane University

PRESENTER 2

From the Harvard Fatigue Lab to Peloton: Towards a History of the Exercise Treadmill

Katherine Contess

Brown University

PRESENTER 3

Faster, Higher, Stronger?: Olympic Bodies in Motion and the Loss of the “Open” Machine

Adam Hebert

University of Pittsburgh

PRESENTER 4

Exercise Teaches You the Pleasure of Discipline: Between Female Self-Empowerment and Self-Submission in 1980s Aerobics Videos

Melanie Woitas

Independent Scholar

Flashtalks I

PRESENTER 1

Not Quite Filling in the Blanks: Reinterpreting Geography in French West Africa 1840-1870

Oliver Lucier
Yale University

PRESENTER 2

Eugenics and the Pseudoscience Demarcation

Branden McEuen
Wayne State University

PRESENTER 3

“A Paradoxical Ode”: James Clerk Maxwell's Poetry and Physical Science, 1844-1878

Kristen Carlson
University of Notre Dame

PRESENTER 4

The Conscious and the Automatic

Lily Xiaolei Huang
University of Chicago

PRESENTER 5

Fundamental Foundations of Practical Applications: Henry Armsby and Early 20th Century Agricultural Science

Joshua Tonkel
University of Notre Dame

PRESENTER 6

Principles of Equivalence: The Significance of Arno Peters for the History of Knowledge

Marijn Prakke

Utrecht University

PRESENTER 7

Indian, Authentic and Obsolete? Late Nineteenth-Century Sanskrit Equinoctial Sundials

Francis Newman

University of Cambridge

PRESENTER 8

Revolution and Influenza in the Air: The 1918 Flu Pandemic's Role in the March 1st Movement in Japanese-Occupied Korea

Danyale Celise Kellogg

Texas A&M University

PRESENTER 9

Intellectual and Moral Virtues of the Japanese Bacteriological Warfare Program

Abigail L. Holmes

University of Notre Dame

Organized Session

SHOT Joint Session

From “Hell with the Lid Off” to Laboratory for Academic-Industry Research: Pittsburgh and its Research Universities, 1907-1950

ORGANIZER

Mark Samber
Carnegie Mellon University

PRESENTER 1

Fellowships, Philanthropy, and Profit: How the Mellon Institute Fulfilled a Vision for Industrial Research, Academic Science, Public Benefit & Private Enterprise, 1907-1921

Mark Samber
Carnegie Mellon University

PRESENTER 2

Robert Kennedy Duncan's Fraternity of Fellows: The Origins of Sponsored Industrial Research at Kansas and its Triumph in Pittsburgh, 1907-1915

David A. Hounshell
Carnegie Mellon University

PRESENTER 3

Science in the Steel City: Metallurgy at the Carnegie Institute of Technology, 1923-1940

Thomas Lassman
Office of the Secretary of Defense

COMMENTATOR

Anna Guagnini
Independent scholar

Hidden Labor in the Practices of Early Modern Science

ORGANIZER

Alix Cooper
Stony Brook University

CHAIR

Alix Cooper
Stony Brook University

PRESENTER 1

The Visibility and Invisibility of Textual Technicians in Early Modern Europe

Ann Blair
Harvard University

PRESENTER 2

Peep-Show: Hiding and Showing the Work of Charlatans in Experimental Philosophy

Vera Keller
University of Oregon

PRESENTER 3

The Work of Family Connections: In-Laws and Other Kin in the Early Modern Sciences

Alix Cooper
Stony Brook University

COMMENTATOR

Elizabeth Yale
University of Iowa

Histories of the Less-Than-Known: Questions of Risk and Uncertainty in Global 20th Century Science

ORGANIZER

Aaron Van Neste
Harvard University

CHAIR

Toshihiro Higuchi
Georgetown University

PRESENTER 1

Settling Uncertainties on Radiation Risk

Sumiko Hatekayama
University of Pennsylvania

PRESENTER 2

Many Anomalies Which I Cannot Explain: Early Twentieth-Century Actuarial Science and the Making of the Semi-Tropics

Rachel Bunker
Rutgers University

PRESENTER 3

The Power to Become a Monster: Pregnancy as a Site of Risk in Early Twentieth-Century Biology and Medicine

Miriam Rich
Yale University

PRESENTER 4

They Rarely Remain Steady for Long: Fluctuations of Marine Species and the Question of Sustainable Fisheries

Aaron Van Neste
Harvard University

Hunger and Nutrition

PRESENTER 1

Protein and the Post-Eugenic Politics of Nutrition

Hannah LeBlanc

Cornell University

PRESENTER 2

Seeing like an Engineer: Thermodynamics and the Politics of the Factory Diet in Early 20th Century China

Seung-joon Lee

National University of Singapore

PRESENTER 3

The Metamorphoses of the Meaning of Hunger in Brazil (1930-1940)

Adriana Salay Leme

São Paulo University

PRESENTER 4

Putting the “Burden of Evidence” on the Consumer: The Fleischmann's Yeast for Health Campaign in the 1920s

Lisa Haushofer

University of Toronto

Revisiting Master Narratives

Sponsored by Early Sciences Working Group

ORGANIZERS

Hannah Marcus

Harvard University

Anne-Laurence Caudano

University of Winnipeg

CHAIR

Pablo Gomez

University of Wisconsin Madison

PRESENTER 1

Reviel Netz

Stanford University

PRESENTER 2

Karine Chemla

PRESENTER 3

Pamela H. Smith

Columbia University

PRESENTER 4

Minakshi Menon

Max Planck Institute for the History of Science, Berlin

Should Historians of Science Know the Contents of Science?

ORGANIZER

Somaditya Banerjee

Austin Peay State University

CHAIR

Matthew Stanley

New York University

PRESENTER 1

Somaditya Banerjee

Austin Peay State University

PRESENTER 2

Mohandas Towne

Arizona State University

PRESENTER 3

Deepanwita Dasgupta

University of Texas

PRESENTER 4

Animesh Chatterjee

Leeds Trinity University

PRESENTER 5

Joseph Martin

Durham University

PRESENTER 6

Agnes Bolinska

University of Cambridge

Technopolitics, Capital, and Knowledge

ORGANIZER

Hippolyte A. Goux

University of California Los Angeles

CHAIR

Victor Seow

Harvard University

PRESENTER 1

Knowledge Work and Automation: Peter F. Drucker and the Management Response to Technological Change, 1950-1990

Erik Baker

Harvard University

PRESENTER 2

The Economics of Computer Science Education

Sanaa Khan

University of California, San Diego

PRESENTER 3

The Ordering of Economic Things

Hippolyte A. Goux

University of California Los Angeles

COMMENTATOR

Panel Discussion

Vital Signs: Grids, Galvanisms, and the Sociopolitics of Electricity

ORGANIZERS

Samantha Wesner

Cornell University

Michael Degani

Johns Hopkins University

CHAIR

Michael Degani

Johns Hopkins University

PRESENTER 1

Men of the Future May Become as Gods: Tesla's Wireless Electricity and the Dream of Infinite Energy

Iwan Rhys Morus

Aberystwyth University

PRESENTER 2

Beyond electric despotism: the myth of the grid in postcolonial India

Elizabeth Chatterjee

Queen Mary University of London

PRESENTER 3

Electrical Palestine: Technocapitalism & the Arab-Israeli Conflict

Fredrik Meiton

University of New Hampshire

PRESENTER 4

Great Shock of Civic Electricity: Electrical Vitalism and Collective Sentiment in the French Revolution

Samantha Wesner

Cornell University

Collaborative Pedagogies for the Global History of Science

Sponsored by Committee on Education and Engagement

ORGANIZER

N. J. Dharan

University of Pennsylvania

CHAIR

Sebastián Gil-Riaño

University of Pennsylvania

PRESENTER 1

Taylor Dysart

University of Pennsylvania

PRESENTER 2

Claire Conklin Sabel

University of Pennsylvania

PRESENTER 3

Koyna Tomar

University of Pennsylvania

PRESENTER 4

Julia Rodriguez

University of New Hampshire

PRESENTER 5

Genie Yoo

Princeton University

PRESENTER 6

Kelcey Gibbons

University of Pennsylvania

PRESENTER 7

Tathagat Bhatia

University of Pennsylvania

Collections and Community Engagement

Sponsored by Collections, Archives, Libraries, and Museums (CALM) Caucus

ORGANIZERS

Benjamin Gross

Linda Hall Library

Pedro Raposo

Adler Planetarium

CHAIR

Pedro Raposo

Adler Planetarium

PRESENTER 1

Hans Hooijmaijers

Rijksmuseum Boerhaave

PRESENTER 2

Peggy Kidwell

National Museum of American History

PRESENTER 3

Anna Toledano

Stanford University

PRESENTER 4

Lilla Vekerdy

Smithsonian Libraries

Organized Session

SHOT Joint Session

Death in the Time of Cholera: Bureaucracy, the State and Contested Communications in Nineteenth-Century Spain and the Ottoman Empire

PRESENTER 1

Disease and the State in Late Ottoman Iraq, 1821-1899

Isacar A. Bolaños

California State University, Long Beach

PRESENTER 2

Sanitation in the time of Cholera: Spain, Epidemics and the Dirección General de Beneficencia y Sanidad, 1830-1860

Ruth A. Oropeza

University of Arizona

PRESENTER 3

Contested Quarantines and Interruptions: The Effects of Cholera on Late Ottoman Mobilities

Alex Schweig

University of Arizona

COMMENTATOR

Panel Discussion

Decolonizing the History of Science in Asia

Sponsored by Forum for the History of Science in Asia

ORGANIZERS

Sigrid Schmalzer

University of Massachusetts Amherst

Minakshi Menon

Max Planck Institute for the History of Science, Berlin

CHAIR

Minakshi Menon

Max Planck Institute for the History of Science, Berlin

Ephemeral Phenomena: Science and Technology in Experimental and Observational Research

Sponsored by Physical Sciences Forum

ORGANIZER

Amy Fisher

University of Puget Sound

CHAIR

Gregory Good

Center for History of Physics, American Institute of Physics

PRESENTER 1

Storm Snapshots: The Use of Amateur Photography in Tornado Science

Kathryn B. Carpenter

Princeton University

PRESENTER 2

The Animal Furnace: Technological Analogs of Natural Systems in Nineteenth Century Chemistry

Amy Fisher

University of Puget Sound

PRESENTER 3

Rivers of the Bomb: Modeling Historical Doses of Radiation After the Cold War in the United States and Russia

Jacob D. Hamblin

Oregon State University

PRESENTER 4

Teaching Microscopy at the Limits of Optical Interpretation: The Zeiss Vacation Courses, 1904-1924

Daniel Liu

ICI Berlin Institute for Cultural Inquiry

Extraction, Reaction, Production: Telling the Histories of Chemistry through Labor

Sponsored by Forum for the History of the Chemical Sciences

ORGANIZER

Alison McManus
Princeton University

CHAIR

Projit Mukharji
University of Pennsylvania

PRESENTER 1

Illicit Chemical Medicine in Early Modern England: The Trials of the Royal College of Physicians

Megan Piorko
Georgia State University

PRESENTER 2

The Chymistry of Drudgery

Simon Werrett
University College London

PRESENTER 3

Constructing a Magic Bullet: DDT and its Auxiliaries in the Sardinian Anti-Malaria Campaign, 1946-1950

Alison McManus
Princeton University

COMMENTATOR

Lissa Roberts
University of Twente; Editor-in-Chief, History of Science

Flashtalks II

PRESENTER 1

Medical Devices and Social Networks: Two Nordic Examples, 1870 - 1900

Kristin M. Halverson

Södertörn University, School of Historical and Contemporary Studies, Baltic and East European Graduate School

PRESENTER 2

Smuggling the Sacred as Specimen: Objects, Instruments and the “Scientifically Valuable” in the Peruvian Expedition of Hiram Bingham

Charlotte M. Williams

University of Pennsylvania

PRESENTER 3

Technical Assistance and Scientific Diplomacy between Mexico and Japan: The Arrival of Plant Tissue Culture to Mexico

Daniela Santamaria Jimenez

National Autonomous University of Mexico

PRESENTER 4

An Ottoman Materialist: Subhi Edhem

Batuhan Akgündüz

Ankara University

PRESENTER 5

Before “C.S.” Was “Computer Science”: Linguistics, Cybernetics, and the “Communication Sciences” at the University of Michigan

Tasha Schoenstein

Harvard University

PRESENTER 6

The Bataan Nuclear Power Plant: Imaginaries of Fear and Reason of State

Benedict Salazar Olgado

University of California, Irvine & University of the Philippines

PRESENTER 7

Paleontology and Imagined Geography in Russia

Reese Fulgenzi
University of Chicago

PRESENTER 8

Crisis Communications, Scientific Institutions, and Public Trust: The 1979 Accident at the Three Mile Island Nuclear Power Plant

Hannah Elaine Pell
Independent Scholar

PRESENTER 9

“Shadow Boxing”: The Postwar Fall of Vannevar Bush

Johnny Miri
Independent Scholar

Integrated Courses: Benefits, Challenges, and Successes

Sponsored by Committee on Education and Engagement

ORGANIZERS

Gregory L. Macklem

University of Notre Dame

Anna Geltzer

University of Notre Dame

CHAIR

Gregory L. Macklem

University of Notre Dame

PRESENTER 1

Davdi Brandon Dennis

Dean College

PRESENTER 2

Jessica Pisano

Dean College

PRESENTER 3

Rob A. Lawson

Dean College

PRESENTER 4

Eleanor Louson

Michigan State University

PRESENTER 5

Eunjeong Ma

POSTECH (Republic of Korea)

PRESENTER 6

Erik L. Peterson

University of Alabama

PRESENTER 7

Anna Geltzer

University of Notre Dame

Roundtable

SHOT Joint Session

Making and Doing History: On Non-Traditional Modes of Critical Engagement

ORGANIZERS

Ranjodh Singh Dhaliwal

UC Davis

Crystal Lee

MIT

CHAIR

Ranjodh Singh Dhaliwal

UC Davis

PRESENTER 1

Crystal Lee

MIT

PRESENTER 2

Laine Nooney

NYU

PRESENTER 3

Mar Hicks

Illinois Institute of Technology

PRESENTER 4

Bess Williamson

Art Institute of Chicago

PRESENTER 5

Whitney Pow

Northwestern/NYU

PRESENTER 6

Xiaochang Li

Stanford University

Naturalness as an Epistemic Virtue: Case Studies from the History of Mathematics

Sponsored by Forum for the History of the Mathematical Sciences (FoHoMS)

ORGANIZER

Nicolas Michel

Université de Paris, SPHERE

CHAIR

Jemma Lorenat

Pitzer College

PRESENTER 1

Nature in Mathematics after Newton: The Epistemic Priority of Mathematics in The Analyst Controversy

Julia C. Tomasson

Columbia University

PRESENTER 2

Clever Artifice or Signpost to the Hidden Nature of Things? The Circulation of Leibniz's Analogy of Powers and Differences

David Waszek

McGill University

PRESENTER 3

Sweet Is the Lore Which Nature Brings: Clarity, Simplicity, and Naturalness in Chasles' and Poincaré's Geometrical Mechanics

Nicolas Michel

Université de Paris, SPHERE

COMMENTATOR

Michael J. Barany

University of Edinburgh

The Future of Digital Humanities in the History of Science and Technology

Sponsored by Technology and Communication Committee

ORGANIZER

Kathleen Sheppard
Missouri S&T

CHAIR

Stephen Weldon
University of Oklahoma

PRESENTER 1

Sarah Naramore
The University of the South (Sewanee)

PRESENTER 2

Andreas Weber
University of Twente

PRESENTER 3

Abraham Gibson
University of Texas San Antonio

PRESENTER 4

James Fleming
Colby College

PRESENTER 5

Jerome Baudry
EPFL

PRESENTER 6

Alex Weaver

PRESENTER 7

Laurynas Adomaitis
Scuola Normale Superiore

PRESENTER 8

Molly Stothert-Maurer

Arizona State University

Working Theories: The Human Sciences and Motivation to Labor in the Twentieth Century

ORGANIZER

Simon Torracinta
Yale University

CHAIR

Dana Simmons
University of California Riverside

PRESENTER 1

Simulation, Industrial Labor, and Economic Pathologies circa 1900

Nima Bassiri
Duke University

PRESENTER 2

It Made Human Life Seem like the Worst Kind of Wage Labor: Imagining the Motivation to Produce from Behaviorism's Stimulus-Wage to Cognitivism's Innate Creativity

Danielle Carr
Columbia University

PRESENTER 3

Time, Labor, and Motivation in Midcentury Economics

Simon Torracinta
Yale University

PRESENTER 4

The 100xr Road to Neoliberalism: Engineers, Meritocracy, and Economic Inequality, 1950-2000

Charles Petersen
Harvard University

Demography, Diversity, and the Transformation of the History of Science

ORGANIZER

Alexandra Hui
Mississippi State University

CHAIR

Suman Seth
Cornell University

PRESENTER 1

Projit Mukharji
University of Pennsylvania

PRESENTER 2

Emily Merchant
University of California Davis

PRESENTER 3

Elise Burton
University of Toronto

PRESENTER 4

Terence Keel
University of California Los Angeles

PRESENTER 5

Sebastian Gil-Riano
University of Pennsylvania

PRESENTER 6

Ahmed Ragab
Harvard University

Fellowships in the History of Science: Everything You Need to Know

ORGANIZERS

Katherine M. Reinhart

Consortium for History of Science, Technology & Medicine

Megan Piorko

Georgia State University/Consortium for History of Science, Technology & Medicine

CHAIR

Katherine M. Reinhart

Consortium for History of Science, Technology & Medicine

PRESENTER 1

Babak Ashrafi

Consortium for History of Science, Technology & Medicine

PRESENTER 2

Adrianna Link

American Philosophical Society

PRESENTER 3

Pedro Raposo

Adler Planetarium

PRESENTER 4

Daniel Jon Mitchell

Center for Historical Research at the Science History Institute

PRESENTER 5

Benjamin Gross

Linda Hall Library

PRESENTER 6

Hannah Anderson

University of Pennsylvania

Actors' Categories: Language, Power, and Historical Analysis

ORGANIZERS

Mary X. Mitchell

Purdue University

Stephanie A. Dick

University of Pennsylvania

CHAIR

Laura Stark

Vanderbilt University

PRESENTER 1

Henry M. Cowles

University of Michigan

PRESENTER 2

Stephanie A. Dick

University of Pennsylvania

PRESENTER 3

Isabel Gabel

University of Pennsylvania

PRESENTER 4

Lukas Rieppel

Brown University

PRESENTER 5

Mary X. Mitchell

Purdue University

PRESENTER 6

Marc Aidinoff

Massachusetts Institute of Technology

Animal, Vegetable, Mineral: Material Tools for Archiving Time

ORGANIZER

Alexis Rider

University of Pennsylvania

CHAIR

Joanna Radin

Yale University

PRESENTER 1

On Colony Time: Thinking Decay and Renewal with Dermestid Beetles

Spencer Weinreich

Princeton University

PRESENTER 2

Proxy Perceptions of Climate and Time

Melissa Charenko

Michigan State University

PRESENTER 3

On Blue Ice: Antarctic Meteorites and Deepening Planetary Time

Alexis Rider

University of Pennsylvania

COMMENTATOR

Joanna Radin

Yale University

Animating Technoscience: Imagination, Production, and Representation

ORGANIZERS

Michael J. Meindl

Radford University and Virginia Tech

Matthew Wisnioski

Virginia Tech

CHAIR

Hanna Shell

University of Colorado Boulder

PRESENTER 1

Animating Biology and the Biology of Animation: The Technoscience of Disney's Fantasia

Colin Williamson

Rutgers University - New Brunswick

PRESENTER 2

Motion, Emotion, and the Human in the Computer: Motion Models and Computerized Bodily Form, 1971-1981

Alana Staiti

National Museum of American History, Smithsonian Institution

PRESENTER 3

Take Chances! Make Mistakes! Get Messy!: The Magic School Bus and the Reanimation of Science Education in the 1990s

Michael J. Meindl

Radford University and Virginia Tech

Matthew Wisnioski

Virginia Tech

Virtual Film Production: Surfing the Database, Democratizing Technology?

Rebecca A. Perry

Space History, Smithsonian National Air and Space Museum, Washington, D.C.

Cybernetic Entanglements: The Human, Environment and Second-Order Cybernetics

ORGANIZER

Angelica Barbara Clayton
Yale University

CHAIR

Carolyn Kane
Ryerson University

PRESENTER 1

Diagnosing the Embodied Mind: Schizophrenia and Gregory Bateson's "Ecology of Mind"

Angelica Barbara Clayton
Yale University

PRESENTER 2

Tinkering with Gaia: Engineering and Evolution in the Earth System

Caitlin Kossmann
Yale University

PRESENTER 3

My Eyes Make Pictures When They Are Shut: John C. Lilly and the Echo of Observation

Jeffrey Mathias
Cornell University

PRESENTER 4

Touching Emotions at Rockland State Hospital: Manfred Clynes and the Datafication of Feeling, 1956-1972

Jeff Nagy
Stanford University

History of Interpretations of Quantum Physics

ORGANIZER

Gustavo Rodrigues Rocha

Universidade Estadual de Feira de Santana

CHAIR

Olival Freire

Universidade Federal da Bahia

PRESENTER 1

The Foundations of Quantum Mechanics in Post-War Italy's Cultural Context

Flavio Del Santo

Faculty of Physics, University of Vienna

PRESENTER 2

Rewriting the History of the Foundations of Quantum Mechanics: The Madame Wu Case

Indianara Lima Silva

Universidade Estadual de Feira de Santana

PRESENTER 3

David Bohm (1917-1992) - Biography of a Major Quantum Dissident

Olival Freire Junior

Universidade Federal da Bahia

PRESENTER 4

A Brief Historical Perspective on the Consistent Histories Interpretation of Quantum Mechanics

Gustavo Rodrigues Rocha

Universidade Estadual de Feira de Santana

Legacies of Silent Spring I: Ecology, Pollution, Industry, Environmental Activism

ORGANIZER

Marsha L. Richmond
Wayne State University

CHAIR

Fritz Davis
Purdue University

PRESENTER 1

Ruth Patrick, DuPont, and the Biological Monitoring of Pollution in the US, 1950-1970

Ryan Hearty
Johns Hopkins University

PRESENTER 2

Chronobiology and Environmental Impact in Projects Sanguine and Seafarer

Jole Shackelford
University of Minnesota

PRESENTER 3

Stressful Environments: Nuclear Power and the Politics of Public Health

David K. Hecht
Bowdoin College

PRESENTER 4

Theo Colborn, the Great Lakes, and the Discovery of Endocrine Disruption

Marsha L. Richmond
Wayne State University

Libraries and Mathematics: Rethinking “the Mathematician's Laboratory”

ORGANIZERS

Michael J. Barany

University of Edinburgh

Kevin Lambert

California State University Fullerton

CHAIR

Joan Richards

Brown University

PRESENTER 1

The Malthus Library: The Library as Cognitive Instrument in the Making of the Malthusian Population Principle

Kevin Lambert

California State University Fullerton

PRESENTER 2

Shaping a Model Library in Göttingen: Felix Klein and the Spaces of Professional Mathematics

Jenne O'Brien

Princeton University

PRESENTER 3

Having No Books to Speak Of: The Mathematical Self-Education of Oliver Heaviside

Bruce J. Hunt

University of Texas Austin

PRESENTER 4

The Scripta Mathematica Library and the “Survival” of Mathematics in America

Ellen Abrams

Cornell University

Medieval and Early Modern Reading Practices

PRESENTER 1

Acts of Non-Reading and the Production of Knowledge in Early Modern Europe

Raz Chen-Morris

Hebrew University of Jerusalem

PRESENTER 2

Reading the Philosophical Transactions: The English Manuscript Notes of Nicolaus Steno (1638-1686)

Nuno Castel-Branco

Johns Hopkins University

PRESENTER 3

Taking the Pulse in the Marketplace of Print in Seventeenth-Century England

Yijie Huang

Department of History and Philosophy of Science, University of Cambridge

PRESENTER 4

Seriously? Humor as an Invisible Genre in Medieval Medical Manuscripts

Carol Pal

Bennington College

Multispecies Metabolisms, Organismic Technologies, and Industrialization of Life

ORGANIZER

Charles A. Kollmer
Princeton University

CHAIR

Evan Hepler-Smith
Duke University

PRESENTER 1

Tinkering with “Bovine Alchemy”: A Brief History of Rumenology

Nicole Welk-Joerger
University of Pennsylvania

PRESENTER 2

Feeding Our Food: Medicated Feed and the History of Making Amino Acids from Fossil Fuels

Hannah Landecker
University of California Los Angeles

PRESENTER 3

Cultured Life and Manufactured Milieus: Sciences of Plant Metabolism in Imperial Germany

Charles A Kollmer
Princeton University

COMMENTATOR

Heather Paxson
Massachusetts Institute of Technology

Reassessing Earth History, Deep Past, and Questions of Origins in the Long Eighteenth Century

ORGANIZER

Ivano Dal Prete
Yale University

CHAIR

Lydia Barnett
Northwestern University

PRESENTER 1

Ivano Dal Prete
Yale University

PRESENTER 2

JB Shank
Northwestern University

PRESENTER 3

Sabrina Ferri
University of Notre Dame

PRESENTER 4

Hanna Roman
Dickinson College

PRESENTER 5

Anton Matytsin
University of Florida

Science in East Asia between Global, Regional, and Local Perspectives: Power, Colonialism and Knowledge Production, 19th - 21st century

ORGANIZER

Noa Nahmias
York University

CHAIR

Grace Shen
Fordham University

PRESENTER 1

Identifying the Modern Nation: Late-Qing Mapping Across Science and Culture, 1887-1912

Rachel Wallner
Northwestern University

PRESENTER 2

Japanese Anthropology and its Colonial Enterprise: A Case Study of the 1903 Human Pavilion

Midori Kawaue
Princeton University

PRESENTER 3

The Universe of Science at Your Doorstep: Popular Science between National and Global in China, 1933-1937

Noa Nahmias
York University

PRESENTER 4

Postcolonial Science in Korea: Gendered Stem Cells and Technoscientific Sovereignty

Haesoo Park
Institute of Science and Technology for Humanity, Nanyang Technological University

Scientific Credibility

PRESENTER 1

Adorned, Embellished, and Ornamented: Science, Fashion, and Credibility in the Early Royal Society

Sadie Harrison
Independent Scholar

PRESENTER 2

Scientists on the Verge of a Nervous Breakdown

Alexis Turner
Harvard University

PRESENTER 3

Social Science for What? Wasting Taxpayer Dollars, Winning Golden Fleece Awards

Mark Solovey
University of Toronto

PRESENTER 4

Tides of Irrationality

Taner Edis
Truman State University

Animal Materialities

ORGANIZERS

Laurence Douny

Humboldt Universität zu Berlin

Lisa Onaga

Max Planck Institute for the History of Science

CHAIR

Evan Hepler-Smith

Duke University

PRESENTER 1

Waste Not: Animal Fats, Animal Chemistry and Soap amid Changing Industrial Practices 1750-1860

Sarah Lowengard

PRESENTER 2

When Is a Solution a Problem? Animal Glues in Laboratories and Workshops in Twentieth-Century Japan

Sarah Teasley

Royal College of Art

PRESENTER 3

Degumming West African Wild Silks in the 20th and 21st Century Burkina Faso

Laurence Douny

Humboldt Universität

PRESENTER 4

Biomaterial Matters: A History of Interstitial Things

Lisa A. Onaga

Max Planck Institute for the History of Science

Gender and Work in the Mathematical Sciences

ORGANIZER

Andrew Fiss

Michigan Technological University

CHAIR

Ellen Abrams

Cornell University

PRESENTER 1

Real Working Men: Performing Gender in Nineteenth-Century Mathematical Logic

David Dunning

Princeton University/Oxford University

PRESENTER 2

The Paper for Practical Men: Transnational Constructions of Engineering Identities through Periodicals

Andrew Fiss

Michigan Technological University

Laura Kasson Fiss

Michigan Technological University

PRESENTER 3

Men Play, Women Care? The Different Experiences of “Becoming a Mathematician” among Contemporary Male and Female Early Career Mathematicians

Milena Kremakova

University of Halle-Wittenberg

Subjectivity, Epistemology, and Quantum Theory: Making Way for Intersubjectivity

Tori Reeder

Michigan Technological University

Histories of Data and the Data of History

ORGANIZER

Joy Lisi Rankin

New York University

CHAIR

David Singerman

University of Virginia

PRESENTER 1

Kathleen Sheppard

Missouri S & T

PRESENTER 2

Samantha Muka

Stevens Institute of Technology

PRESENTER 3

Megan Formato

Stanford University

PRESENTER 4

Michael McGovern

Princeton University

PRESENTER 5

Joy Lisi Rankin

New York University

Legacies of Silent Spring II: From Scientist to Nation

ORGANIZER

Sabine Marie Clarke
University of York, UK

CHAIR

Frederick Davis
Purdue University

PRESENTER 1

Applied Ecology at the Academy of Natural Sciences of Philadelphia, 1970-1990

LLoyd Ackert
Drexel University

PRESENTER 2

The Power of the Periphery: How Norway Became an Environmental Pioneer for the World

Peder Anker
New York University

PRESENTER 3

The Construction of a Sentinel Species: Louis Guillette and Lake Apopka's Alligators

Mark Barrow
Virginia Polytechnic Institute and State University

PRESENTER 4

Slow, Mediated and Uneven: Rewriting the History of Pesticide Use in British Farming

Sabine Marie Clarke
University of York

Thomas Lean
University of York

Making and Knowing: Working with How-To Texts in the History of Science and Technology

ORGANIZER

Tillmann Taape
Huntington Library

CHAIR

Pamela Smith
Columbia University

PRESENTER 1

From Erfahrung to Expérience: Vernacular Traditions of Experiential Knowledge in French and German Technical Literature

Tillmann Taape
Huntington Library

PRESENTER 2

Semi-distant Reading: A Data-rich Approach to Early Modern Technical Literature.

Clément Godbarge
Columbia University

PRESENTER 3

From Watching to Working: Incorporating “Making and Knowing” Activities into a History of Science Course

Monique O'Connell
Wake Forest University

Paul Jones
Wake Forest University

COMMENTATOR

Panel Discussion

Narrative as Practice in the Life Sciences

ORGANIZERS

Rachel Mason Dentinger

University of Utah

Tina Gianquitto

Colorado School of Mines

CHAIR

Rachel Mason Dentinger

University of Utah

PRESENTER 1

Jelagat D. Cheruiyot

Tulane University

PRESENTER 2

Mary Bowden

University of Delaware

PRESENTER 3

Don Opitz

DePaul University

PRESENTER 4

Tina Gianquitto

Colorado School of Mines

PRESENTER 5

Sunshine Van Bael

Tulane University

PRESENTER 6

Rachel Mason Dentinger

University of Utah

PRESENTER 7

Joshua Lewis

Tulane University

PRESENTER 8

John Beatty

University of British Columbia

Navigating the Profession with Chronic Illness or Invisible Disabilities

ORGANIZER

Allison Marsh

University of South Carolina

CHAIR

Allison Marsh

University of South Carolina

PRESENTER 1

E. Allen Driggers

Tennessee Technological University

PRESENTER 2

Jillian Hinderliter

University of South Carolina

PRESENTER 3

Caroline Peyton

University of Memphis

PRESENTER 4

Laura Smith

University of Arkansas

New Light on Science and Nazism

ORGANIZER

Mark Walker

Union College

CHAIR

Kathryn Olesko

Georgetown University

PRESENTER 1

Max Planck (1858-1947) and Johannes Stark (1874-1957): Science Policymakers during the Third Reich

Dieter Hoffmann

Max Planck Institute for the History of Science, Berlin

PRESENTER 2

Aryan Physics after Hitler

Ryan Dahn

Consortium for History of Science, Technology, and Medicine, Philadelphia

PRESENTER 3

Werner Heisenberg and National Socialism

Mark Walker

Union College

COMMENTATOR

Richard H. Beyler

Portland State University

Science and Religion

PRESENTER 1

Campanella, Galileo, and the Clash for the New Science at the Court of Urban VIII

Stefano Gattei
University of Trento

PRESENTER 2

From Design to Self-Organizing Nature? Postsecular Insights on the Emergent Ecology of James Dwight Dana and Asa Gray

Lucas Nossaman
University of Tennessee Knoxville

PRESENTER 3

Institutional Religious Healing And Hospitals: The Christian Science Benevolent Association

Alexandra L. Prince
Independent Scholar

PRESENTER 4

Science and the Counterculture: American Humanism, Religion, and Race

Stephen P. Weldon
University of Oklahoma

Teaching beyond the Canon in the History of Science

ORGANIZER

Courtney E. Thompson

Mississippi State University

CHAIR

Matthew Lavine

Mississippi State University

PRESENTER 1

Tamara Caulkins

Douglas Honors College, Central Washington University

PRESENTER 2

Kathleen Crowther

University of Oklahoma

PRESENTER 3

Antoine R. Leveque

Paris 7, France

PRESENTER 4

Wayne Soon

Vassar College

PRESENTER 5

Blair Stein

Clarkson University

PRESENTER 6

Courtney E. Thompson

Mississippi State University

PRESENTER 7

Honghong Tinn

University of Minnesota Twin Cities

PRESENTER 8

Sarah Walsh

Washington State University

Technologies of the Earth and the Skies

CHAIR

Edna Suárez-Díaz

Universidad Nacional Autónoma de México

PRESENTER 1

The Overshadowed Revolution: Isotopic Insights Remake and Unify Earth and Planetary Science

Keith A. Nier

Independent Scholar

PRESENTER 2

Three Discoveries and the Truth: Stratospheric Ozone and the Opening of a New Frontier

Terrence R. Nathan

University of California, Davis

PRESENTER 3

Tremulous Media: Nature, Technology, and the Seismic Imagination

Debjani Dutta

University of Southern California

PRESENTER 4

Perennial Environmental Crisis and Health Challenges of Oil Exploration and Gas Flaring in Nigeria since 1958.

Olusegun James Adeyeri

Lagos State University, Ojo, Nigeria.

Transmitting Knowledge

PRESENTER 1

Nuance Lost in Translation: Interpretations of J. F. Blumenbach's Anthropology in the English Speaking World.

John S. Michael
Independent Scholar

PRESENTER 2

Knowledge Transposition in the Construction of Narratives for Indian Megaliths in the Nineteenth Century

Charlotte Coull
The University of Manchester

PRESENTER 3

The Production of Knowledge: A Path Not Taken

Ohad Reiss Sorokin
Princeton University

PRESENTER 4

Visualizing Scientific Equity: Oral History Interviews with African Scientists on Video

Abena Dove Osseo-Asare
University of Texas Austin

Visioneering Past and Future in Science Museums and Educational Technologies

ORGANIZER

Elizabeth Renee Petrick
Rice University

CHAIR

Patrick McCray
UNIVERSITY OF CALIFORNIA, SANTA BARBARA

PRESENTER 1

The Revolutionary Avant-Gard? Imagineering Scientific Modernity in Moscow Museum of Biology in the 1920s

Elena Aronova
University of California, Santa Barbara

PRESENTER 2

Curatorial Visions of the Future

Petrina Foti
Loughborough University

PRESENTER 3

Throwback Culture: The Role of Nostalgia in American Educational Technology

Morgan G. Ames
University of California, Berkeley School of Information

PRESENTER 4

Replacing Visions: The Notetaker Prototype and the Loss of Education

Elizabeth Renee Petrick
Rice University

Embodied Science: The Marginalized Body as an Agent of Scientific and Social Transformation

ORGANIZER

Sara Ray
University of Pennsylvania

CHAIR

Wangui Muigai
Brandeis University

PRESENTER 1

Perfect, and without Defect: Medicalizing the Body & the Sciences of Same-Sex Desire

Patrícia Martins Marcos
University of California San Diego

PRESENTER 2

Embryology and Armenzorg: Teratological Expertise in the Formation of Dutch Disability Policy, 1815-1850

Sara Ray
University of Pennsylvania

PRESENTER 3

Tropical Botany and Debilitating Climates in the Nineteenth Century Gulf South

Elaine LaFay
Rutgers State University

PRESENTER 4

Black Eugenics and the Struggle for Racial Equality, 1900-1940

Ayah Nuriddin
Johns Hopkins University

Histories of Botany and Medicine

PRESENTER 1

Challenges to Identifying Ancient Substances in Chinese Materia Medica

Sean T. Bradley

University of Washington

PRESENTER 2

Indigenous Scientific Knowledges and the Archive: Health, Illness, and Healing in the 1577 Relaciones geográficas

Kelly McDonough

University of Texas Austin

PRESENTER 3

Producing and Reproducing Botanical Illustrations in the Horti medici Amstelodamensis (1697-1701)

Jessie Wei-Hsuan Chen

Utrecht University

PRESENTER 4

Time and Culture in Carl Linnaeus' Ethno-racial Classifications

Monica Libell

Lund University, Sweden

Human - Animal

PRESENTER 1

Animals invisible to the naked eye: Victorian Animalcules as Animals

Meegan Kennedy

Florida State University

PRESENTER 2

Killing for Science: Insect Collecting in the Long Nineteenth Century

L. Joanne Green

University of Cambridge

PRESENTER 3

Prosperity through “Beeconomy”: American Women in Beekeeping, 1870-1900

Leah Malamut

University of Minnesota

PRESENTER 4

Sentinels in the Dark of Night: Medicine and the Ambulance Dog in the First World War

Aparna Nair

University of Oklahoma-Norman

Maritime Cultures and the Translation of Scientific Knowledge

ORGANIZER

Judy Johns Schloegel

Independent Scholar

CHAIR

Christine Keiner

Rochester Institute of Technology

PRESENTER 1

The Use of Images in the Debate between Haeckel and Hensen over the Role of Plankton

Katharina Steiner

University of Wisconsin Madison and University of Geneva

PRESENTER 2

Local Labor, Transnational Science: Producing Scientific Objects and Inscriptions in the Dutch East Indies, circa 1900

Emily Hutcheson

University of Wisconsin Madison

PRESENTER 3

Instituting Biology in the Great Lakes: Scientific Survey Work and Inland Seas Maritime Culture, 1893-1903

Judy Johns Schloegel

Independent Scholar

COMMENTATOR

Alistair Sponsel

Cold Spring Harbor Laboratory

Mathematics and the People

ORGANIZERS

Abram Kaplan

Harvard Society of Fellows

Jemma Lorenat

Pitzer College

CHAIR

Jemma Lorenat

Pitzer College

PRESENTER 1

It Is Good That Math Is Hard: Math and Social Theory from Descartes to Rousseau

Abram Kaplan

Harvard Society of Fellows

PRESENTER 2

Recreational Mathematics and Mathematics by the People: Folding as a Case Study

Michael Friedman

Humboldt University of Berlin

PRESENTER 3

An Okapi Hypothesis: Survival of the Fittest Geometry in the Monist

Jemma Lorenat

Pitzer College

PRESENTER 4

Public Statistics: Making and Subverting Democracy

Theodore Porter

University of California Los Angeles

Physical Intermediaries between Mind and Brain from the 18th to 20th Centuries

ORGANIZER

Edward Halley Barnet
Stanford University

CHAIR

Nima Bassiri
Duke University

PRESENTER 1

David Hartley's Mental Acoustics: The Doctrine of Vibrations and the Beginnings of Associationist Psychology

Edward Halley Barnet
Stanford University

PRESENTER 2

Experimenting Between Brains, Nerves and Selves: Alfred Binet, Charles Féré, and the Form of the Neurological Case Study

Zachary Levine
Columbia University

PRESENTER 3

Mirrors, Twins, and the Developing Child: Capturing the Self through Glass and Film

Katja Guenther
Princeton University

COMMENTATOR

Thomas Dodman
Columbia University

Regeneration as a Boundary Concept: Dialogues between Basic and Applied Biology in the Long Twentieth Century

ORGANIZER

Kathryn Grace Maxson Jones

Princeton University; Marine Biological Laboratory

CHAIR

Jane Maienschein

Arizona State University

PRESENTER 1

Neuron Regeneration, Experimental Organisms, and the Curious Case of the Lamprey in 20th-Century Neurobiology

Kathryn Grace Maxson Jones

Princeton University; Marine Biological Laboratory

PRESENTER 2

The Historical Roots of a Flawed Assumption: How the History of Germline Research Reifies and Undermines the Human Genome Editing Debate

Kate MacCord

Marine Biological Laboratory

PRESENTER 3

A Bird's Eye View: Regeneration at the Ecosystem Level

Frederick R. Davis

Purdue University

COMMENTATOR

Jane Maienschein

Arizona State University

Science in the U.S. South

PRESENTER 1

Southern Nationalists and the Early Smithsonian

Michael Gunther
Georgia Gwinnett College

PRESENTER 2

The Science of Southern Medicine: Disease Theory and the U.S. South

Jeremy J. Montgomery
Mississippi State University

PRESENTER 3

The Evolution of Physics Research and Graduate Education at Fisk University, 1910 - 1970

Ronald Elbert Mickens
Clark Atlanta University

PRESENTER 4

Scalawag Science: Northern Capitalists and Carpetbag Geologists in the Reconstruction of the South

Paul Lucier
Independent Scholar

Sovereigns and Savants: State Power and Intellectual Authority in French Scientific-Cultural Networks

ORGANIZER

Abigail Fields
Yale University

CHAIR

JB Shank
University of Minnesota

PRESENTER 1

The Empire of Exactitude: Mathematical Physics and the Autonomization of Science under Napoleon

Travis Wilds
University of Minnesota Twin Cities

PRESENTER 2

The Iconography of Science & Power in Early Modern France

Katherine Reinhart
Consortium for History of Science, Technology & Medicine

PRESENTER 3

Taste or Method on Display. Debating Scientific Legitimacy through Natural History Collections in the Second Half of the 18th Century

Rossella Baldi
University of Neuchâtel and Swiss Institute for Art Research (Lausanne)

PRESENTER 4

Modern Science: Situating the Royal Academy of Sciences within the Quarrel of the Ancients and the Moderns

Abigail Fields
Yale University

The Digital and the Encyclopedic: New Tools for Open-Access History of Science

ORGANIZER

Christopher J. Phillips
Carnegie Mellon University

CHAIR

Christopher J. Phillips
Carnegie Mellon University

PRESENTER 1

Jenna Tonn
Boston College

PRESENTER 2

Michael D. Gordin
Princeton University

PRESENTER 3

Matthew H. Hersch
Harvard University

PRESENTER 4

Elly Truitt
Bryn Mawr

PRESENTER 5

Gisela Mateos
National Autonomous University of Mexico

PRESENTER 6

Whitney Laemmli
Carnegie Mellon University

Thinking with Poison: A Cross-Cultural Conversation

ORGANIZER

Yan Liu

State University of New York Buffalo

CHAIR

Jeremy Greene

Johns Hopkins University

PRESENTER 1

Toxicology in Antiquity: From the Forensic to the Epistemological

Alain Touwaide

University of California Los Angeles

PRESENTER 2

The Paradox of Du: Poisons and Medicines in Early China

Yan Liu

State University of New York Buffalo

PRESENTER 3

Powerful and Artful Substances: Poison and Panaceas in Sixteenth-Century Europe

Alisha Rankin

Tufts University

PRESENTER 4

Poisons, Parapsychology and Postcolonialism: Snake Venom and Psychic Statecraft in Cold War India

Projit Bihari Mukharji

University of Pennsylvania

We, the (Spacefaring) People: Vernacular Participation in Space Science & Exploration

ORGANIZERS

Peter A. Kleeman

Space Age Museum

Emily A. Margolis

American Philosophical Society

CHAIR

Michael Neufeld

Smithsonian National Air and Space Museum

PRESENTER 1

Snapshots of the Space Age: Vernacular Images of Public Participation in Space Exploration

Peter A. Kleeman

Space Age Museum

PRESENTER 2

Houston Honors the Space Age: The National Space Hall of Fame, 1965-1969

Emily A. Margolis

American Philosophical Society

PRESENTER 3

Nostalgic Monument to Education Center: The History of Planetarium in Washington, D.C.

Jieun Shin, Ph.D.

Smithsonian Institution Archives

PRESENTER 4

Celebrating a Permanent Human Presence in Space

Jennifer K. Levasseur

Smithsonian National Air and Space Museum

Climate, Planetary, and Nuclear Big Science

PRESENTER 1

Climate Cycles, Historical Explanation, and Popular Science in Twentieth-Century Japan

John Hayashi
Harvard University

PRESENTER 2

Climate Futures and the Problem in the U.S. Post-War Science-Policy Nexus

Emil Flato
Research Project: "Lifetimes - A Natural History of the Present", Department of Culture Studies and Oriental Languages,
University of Oslo

PRESENTER 3

Bringing It Back to Earth: Planetary Scientists and Their Responses to Federal Budget Cuts in the 1980s

Ian Jasper Varga
Florida State University

PRESENTER 4

New Big Science in Belgium? - SCK CEN and the History of MYRRHA 1995-2020

Hein Brookhuis
KU Leuven, Cultural History; SCK CEN, Nuclear Science and Technology Studies

Data Practices

PRESENTER 1

Moral Accounting in the Eighteenth Century

Andrea Rusnock

University of Rhode Island

PRESENTER 2

Polling for Peace: Opinion Measurement and the Postwar International Order

Tal Arbel

Tel Aviv University

PRESENTER 3

The Formalization of Historical Time

Matteo Valleriani

Max Planck Institute for the History of Science, Berlin; Technische Universität Berlin, Tel Aviv University

PRESENTER 4

Bulwarks: Security Technologies and Societies in Transition

Mohandas Schuyler Towne

The Ronin Institute

Enlightenment Sciences and Rational Assertions of Otherness

ORGANIZER

David I. Spanagel

Worcester Polytechnic Institute

CHAIR

Emily Pawley

Dickinson College

PRESENTER 1

Physiology Is Theology: Benjamin Vaughan (1751-1835) and Mr. Merrick's Hermaphrodite Cow

Jose R. Torre

SUNY Brockport

PRESENTER 2

How to Think about Human Difference: Mathematical Geography, the “Use of the Globes,” and the Antipodes in the Early North American Spatial Imagination

Tamara Plakins Thornton

SUNY Buffalo

PRESENTER 3

Technical Collaboration after the War: Applied Sciences and the Quest to Invent a Peaceful Mexico/U.S. Boundary in the 1850s

David I. Spanagel

Worcester Polytechnic Institute

COMMENTATOR

Emily Pawley

Dickinson College

Forgotten Figures in Recent Biology

PRESENTER 1

Maclyn McCarty, the Transforming Principle & DNase: Clinching Evidence for DNA as the Material Basis of Genes

Neeraja Sankaran

Independent Scholar

PRESENTER 2

Lost Disciplines, Lost Legacies: Irene Manton, Biologist of the Cold War

Nicola Williams

Independent Scholar

PRESENTER 3

Scientific Creativity in Peripheral Locations: The Madras Triple Helix Model of G. N. Ramachandran

Deepanwita Dasgupta

The University of Texas - El Paso

Histories of Evolutionary Thinking about Social Things

ORGANIZER

Cameron Brinitzer
University of Pennsylvania

CHAIR

Erika Milam
Princeton University

PRESENTER 1

Pleasure Principle: Bonobos and the Sexual Revolution in Captivity

Marianna Szczygielska
Max Planck Institute for the History of Science, Berlin

PRESENTER 2

Governed by Affect: Nuclear Dread, Dual Process Theories, and the End of Cold War Cognition

Michael Pettit
York University

PRESENTER 3

Social Learning Mechanisms: The Evolution of Culture and Its Sciences

Cameron Brinitzer
University of Pennsylvania

COMMENTATOR

Erika Milam
Princeton University

Racial Bodies of Knowledge: Reformulations of Human Difference in Physical Anthropology

ORGANIZER

Paul Wolff Mitchell
University of Pennsylvania

CHAIR

Erik Peterson
University of Alabama

PRESENTER 1

Redacting Human Unity: A Newly Discovered Early Draft of Morton's *Crania Americana* (1839)

Paul Wolff Mitchell
University of Pennsylvania

PRESENTER 2

Old Bones in New Databases: Pearson, Howells, and ForDisc

Iris Clever
University of Chicago

PRESENTER 3

Medical Mastery: Teaching Physical Anthropology in the Antebellum Anatomical Theater

Christopher Willoughby
Pennsylvania State University

COMMENTATOR

Terence Keel
University of California Los Angeles

Scalar Thinking and Tinkering- Making Science Work across “Civilizations,” Empires, and the Globe

ORGANIZERS

Lucas Melvin Mueller

University of Geneva

Clare Kim

Washington University in St. Louis

CHAIR

Lan Li

Rice University

PRESENTER 1

The Sum of Its Parts: Surveying the Old Regime's Animal Healers in the Napoleonic Empire, 1812-1814

Kit Heintzman

Harvard University

PRESENTER 2

Marmite, Atta, and Insoluble Scales: Nutritional Deficiency Disease and Cross-Cultural Knowledge in the First World War

Hilary Buxton

Institute of Historical Research/Kenyon College

PRESENTER 3

The Tragedy of Progress: George Sarton's Classicism and the Work of Scaling Histories of Science

Clare Kim

Washington University in St. Louis

PRESENTER 4

Molecular Globe

Lucas Melvin Mueller

University of Geneva

Switching Jobs

ORGANIZER

Morgan J. Robinson
Mississippi State University

CHAIR

Morgan J. Robinson
University of Southern California

PRESENTER 1

J. M. Gesner From Leipzig to Göttingen: A Philologist on the Move

Christian Flow
Mississippi State University

PRESENTER 2

Africanizing Expertise in Virus Research

Julia Cummiskey
University of Tennessee Chattanooga

PRESENTER 3

The Creativity of Clerkship

Morgan J. Robinson
Mississippi State University

PRESENTER 4

Period Styles: From Classical to Medieval Studies in Early Modern Scholarship

Frederic Clark
University of Southern California

The Boundaries of Human Bodies in the Early Modern World

ORGANIZERS

Tawrin Baker

University of Notre Dame

Dániel Margócsy

University of Cambridge

CHAIR

Maria Portuondo

Johns Hopkins University

PRESENTER 1

Early Modern Images of the Eye and the Borders Between the Artificial, the Natural, and the Mathematical

Tawrin Baker

University of Notre Dame

PRESENTER 2

Monster Theory and the Problem of Giants

Anita Guerrini

Oregon State University

PRESENTER 3

Accounting for Bodies: Slave Trading and Medical Arithmetic in the Early Seventeenth-Century Iberian Atlantic

Pablo F. Gómez

University of Wisconsin, Madison

PRESENTER 4

Worms

Dániel Margócsy

University of Cambridge