Invented by the French engineer Pierre Toulon aided by the electronic engineer Krugg Bass, the Cellulophone ("Cellule Photo-électrique") made its debut as a prototype in France in 1927. The Cellulophone was an electro-optical tone generator instrument resembling an electronic organ controlled by two eight octave keyboards and a foot pedal board. The sound was created by passing a light beam through slits in a vari-speed rotating disk. The single spinning disk was cut with a number of equidistant slits (54 slits for the lowest note) with different shaped masks to create varied timbres. The disks masked a light beam that flashed through the slits and on to a photoelectric cell, the speed of the rotating disk therefore determining the frequency of the output signal from a single vacuum tube oscillator.

Newsletter of the International Committee for the History of Technology - ICOHTEC

Editor: Francesco Gerali, The University of Oklahoma College of Law. Oil, Gas, Mineral Resources, and Energy Center. Norman, OK, United States. Mail to fgerali@ou.edu

I. CALL FOR MEETING SITES - ICOHTEC SYMPOSIUM 2019 OR 2020

The International Committee for the History of Technology (ICOHTEC) is a global organisation and among the leading societies in its field. It is part of the UNESCO related network focused on the research of the history and philosophy of science and technology (IUHPS / DHST). For more information on our aims, please take a closer view of our website at www.icohtec.org.

ICOHTEC invites proposals for sites and local organizers for its 2019 or 2020 annual symposium. Since 1968, when ICOHTEC was founded, we have organized 44 symposia in various parts of Europe but also in Japan, the United States, Mexico, China, Canada, Israel and Brazil. The past year’s symposium took place in Rio de Janeiro, Brazil, as a part of the 25th International Congress of the History of Science and Technology (ICHST). This year we will held our symposium in the Jean Monnet University, Saint-Étienne, which is the fifth largest city of France.

Our symposia had been held generally during the summer months, most often between mid-June and mid-August. Our practice is that the host, Local Organizing Committee, is responsible for the financial side of the symposium, providing facilities for panels and plenary sessions, offering refreshments during coffee breaks and receptions, as well as organizing excursions. All arrangements are being supervised by the ICOHTEC Board, which also takes care of the scientific programme of the symposium. The deadline for preliminary proposals is 8 April 2018. Please, send your proposal including information on the local host institutions, site, venue, accommodation, flight connections and travel options from airports as well as a preliminary social programme containing also receptions and excursions via email to the Secretary General Stefan Poser.
<poser@hsu-hh.de>. Should you have any further questions, please do not hesitate to contact us at any time.

Best wishes
Stefan Poser, Secretary General

II. DIGITAL INITIATIVES: Science et Ignorance

Base bibliographique "Science et Ignorance"

Consult en ligne

Un Fonds documentaire sur la « Science et l'ignorance », constitué de près de cent monographies et de plusieurs centaines de tirés à part a été constitué au Centre documentaire du CAPHÉS à compter de 2016 à l'initiative de Mathias Girel, directeur de l'UMS. Il offre une documentation sur un champ de recherche ouvert il y a quelques décennies par les historiens, philosophes des sciences, sociologues et anthropologues afin de mieux comprendre les mécanismes de production d’ignorance, notamment dans les grandes controverses sanitaires et environnementales. La base de données bibliographiques en ligne permet d’effectuer une veille collaborative sur ce sujet. Vos suggestions d’ajouts et d’acquisitions seront grandement appréciées. Vous trouverez ci-dessous un guide expliquant comment contribuer.

Mode d’emploi PDF (version française) - Comment suggérer de nouvelles ressources pour la base Science et Ignorance ?


Consult dans le catalogue RUBENS
Restreindre la recherche à ce fonds spécifique en indiquant "(Caphés) Igno" dans le champ "cote". La consultation du fonds documentaire a lieu au CAPHÉS : Infos pratiques

Bibliographic database "Science and Ignorance"

View online

A Fund on "Science and Ignorance", consisting of nearly one hundred monographs and several hundred reprints, was set up at the CAPHÉS Documentary Centre in 2016 by Mathias Girel, Director of the Center. It offers a documentation on a field of research opened a few decades ago by historians, philosophers of science, sociologists and anthropologists in order to better understand the mechanisms of ignorance production, particularly in major health and environmental controversies. The online bibliographic database allows a collaborative watch on this subject, and your suggestions for additions and new acquisitions will be greatly appreciated. You’ll find below a guide which explains how you can help.
User's guide PDF (english version) - Suggesting additions for the "Science and Ignorance" online bibliographic database

The online bibliography "Sociology of Ignorance" by Joanne Gaudet and that of Matthias Gross and Linsey McGoey (2014) remain essential starting points, which we consulted. It was then enriched through a regular bibliographic watch, under the supervision of M. Girel and J. Solviche. This first stage of the database would not have been possible without the contributions of Nathalie Jas, CNRS, IRISSO (UMR 7170 1427) and Didier Torny, CNRS, CSI - Mines ParisTech (CNRS UMR 9217).

View in the RUBENS catalogue

Restrict the search to this specific fund by entering "(Caphes) Igno" in the "cote" field. All texts retrieved in the Zotero bibliography are available in « hard copy » in the reading room, at CAPHÉS: Practical information

III. BOOKS ON THE HISTORY OF SCIENCE AND TECHNOLOGY: EDUCATION AND ELECTRICITY


This book is a timely reminder of why history and philosophy of science are urgently needed to support understanding of science. From major traditions such as the Enlightenment to the tensions around cultural studies of science, the book provides a comprehensive context for the scientific endeavour, drawing on curriculum and instructional examples. Sibel Erduran, University of Oxford, UK

The scholarship that each of the authors in this volume offers deepens our understanding of what we teach in science and why that understanding matters. This is an important book exploring a wide set of issues and should be read by anyone with an interest in science or science education. Jonathan Osborne, Stanford University, USA

This volume presents new and updated perspectives in the field, such as the Enlightenment Tradition, Cultural Studies, Indoctrination in Science Education, and Nature of Science. Highly recommended. Mansoor Niaz, Universidad de Oriente, Venezuela

This volume provides an extremely valuable set of insights into educational issues related to the history and philosophy of science. Michael J Reiss, University College London, UK

Section I: Science, Culture, And Education
1. Michael R. Matthews, Feng Shui: Some Educational Responsibilities and Opportunities
2. Robert Nola, The Enlightenment: Truths Behind a Misleading Abstraction
3. Deniz Peker & Özgür Taskin, The Enlightenment Tradition and Science Education in Turkey
4. Christine McCarthy, Cultural Studies of Science Education: A Philosophical Appraisal

**Section II: Teaching and Learning Science**
5. Gregory J. Kelly & Peter R. Licona, Epistemic Practices and Science Education
6. Erin E. Peters-Burton, Strategies for Learning Nature of Science Knowledge: A Perspective from Educational Psychology
7. Ernst Mach, About the Psychological and Logical Moment in Natural Science Teaching (1890), [Hayo Siemsen translation]

**Section III: Curriculum Development and Justification**
8. Igal Galili, Scientific Knowledge as a Culture: A Paradigm for Meaningful Teaching and Learning of Science
9. Yaron Lehavi & Bat-Sheva Eylon, Integrating Science Education Research, Science and History and Philosophy of Science in Developing an Energy Curriculum
10. Mike U. Smith, Teaching Evolution: Criticism of Common Justifications and the Proposal of a More Warranted One

**Section IV: Indoctrination and Science Education**
11. Lena Hansson, Science Education, Indoctrination, and the Hidden Curriculum
12. Paul A. Wagner, Warranted Indoctrination in Science Education


**Experimental and Historical Foundations of Electricity, Andre Koch Torres Assis.** Downloadable Book

The book describes the main experiments and discoveries in the history of electricity. It begins with the amber effect, which is analogous to the usual experiment of attracting small pieces of paper with a plastic ruler rubbed in hair. This work explains how to build several instruments: versorium, electric pendulum, electroscope and charge collectors. We discuss electric attraction and repulsion, positive and negative charges, and the acr mechanism (attraction, communication of electricity, and repulsion). The book analyzes the concepts of conductors and insulators, together with the main differences in the behaviours of these two kinds of substances. Historical aspects are presented, together with relevant quotations related to electricity from some of the main early scientists like Gilbert, Guericke, Du Fay, Aepinus, Newton, Kelvin, etc. All experiments are clearly described and performed with simple and cheap materials, easily accessible. These experiments lead to clear concepts, definitions, and laws describing these phenomena. The book presents a detailed analysis of the work of Stephen Gray (1666-1736), the great British scientist who discovered conductors and insulators, together with some of
their main properties. A large bibliography is included at the end of the work. Videos of experiments inspired by this book have been made in Italian by Pietro Cerreta of the organization ScienzaViva (available http://www.scienzaviva.it/Esperimenti_elettrostatica_2014.php ) and in German by Derk Frerichs and Stephan Pfeiler (https://www.physikalische-schulexperimente.de/physo/Historische_Einf%C3%BChrung_in_die_Elektrostatik#cite_ref-1). The book may be downloaded in English https://www.ifi.unicamp.br/~assis/Electricity.pdf. The printed book in English, Portuguese, Russian and Italian can be ordered through Amazon.

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IV. PH.D. OPPORTUNITIES: LANCASER UNIVERSITY

PhD in Material Social Futures: The history and future of data storage and data use
This is a call for applications for a three year fully funded Leverhulme Material Social Futures PhD studentship in the Sociology Department at Lancaster University. Deadline for Applications: 30th March 2018.

The Leverhulme centre for Material Social Futures
Lancaster University’s Leverhulme Doctoral Training Centre in Material Social Futures is a major new strategic collaborative partnership between two of the university’s recently formed research Institutes – the Institute for Social Futures and the Material Science Institute. Based in the Sociology Department you will be part of a growing team of PhDs who will examine how to create more sustainable and socially beneficial futures, and who will work to bring together concepts and approaches from science and technology studies, material culture and the sociology of everyday practice with processes of materials discovery. In short, the goal of PhDs in Material Social Futures at Lancaster University will be to help produce futures that people want and the world needs. Lancaster University is one of the top 10 universities in the UK. The Sociology Department http://www.lancaster.ac.uk/sociology/ was ranked 1st in the UK for research intensity in the most recent Research Excellence Framework (REF2014), recognizing its inclusive approach and world-leading research. The project will also benefit from access to the vibrant research community of Lancaster’s Institute for Social Futures (http://www.lancaster.ac.uk/social-futures/)

Background
We live in a world where technology is developing at a pace previously unseen. Individuals and institutions produce more and more information and use it in ever more subtle ways, for example, and this, in turn, is creating demand for ever smaller, more powerful computing devices. Manufacturers of these devices search for new materials that can revolutionize the storage of this information, making it smaller, cheaper, more powerful. Nanotechnology offers one way forward to achieve these goals. Yet these manufacturers, just like these institutions and individuals, are not
always fully aware of the ecological and social consequences that this demand for more data, more storage and new materials, might produce.

**This PhD**

In response, this PhD investigates the relation between innovations in data storage technology material and questions of what ‘data’ is, why and how it is stored, accessed and even forgotten. Its concerns are at once sociological and material, social and environmental, though in this PhD the emphasis is on the social. It will focus on exploring different configurations of technology, data and storage in the past, present and future – from filing cabinets and floppy discs historically, through to cloud computing today, and in the imagined future of quantum data storage which nanotechnology anticipates. To enquire into this, the PhD project will draw on innovative combinations of concepts and methods and team-based collaborations with PhDs in nanotechnology and data storage that will allow explorations of different configurations of data storage materials (such as nanotechnology) and data use. It will enable analysis of anticipated and less certain or predictable social and environmental consequences of these diverse configurations of use and material technology. Ultimately these potentially exciting conceptual and empirical understandings will be brought together to shed new light on the consequences of such advancements in material science. For further details and information on how to apply please visit: [http://www.lancaster.ac.uk/sociology/postgraduate/phd/fees-and-funding/phd-in-material-social-futures-the-history-and-future-of-data-storage-and-data/](http://www.lancaster.ac.uk/sociology/postgraduate/phd/fees-and-funding/phd-in-material-social-futures-the-history-and-future-of-data-storage-and-data/)

Nicola Spurling
Lecturer & Co-convenor Everyday Futures Network
Institute for Social Futures & Department of Sociology
B20 Bowland North, Lancaster University, LA1 4YD

**V. NTM Article Prize for Young Authors**

The German journal NTM Journal of the History of Science, Technology and Medicine invites submissions for its annual article prize for young authors. Please submit previously unpublished manuscripts of article-length essays in the fields of history of science, technology and medicine. The prize will be given to the best submission. Initiated by the publishing house Birkhäuser in 2016, the prize includes a monetary award (400 EUR) and a book voucher (200 EUR). The prize committee includes two representatives of the NTM editorial board, and members of its advisory board. The prize will be awarded at the annual meeting of the newly founded Gesellschaft für Geschichte der Wissenschaften, der Medizin und Technik (GWMT) in Bochum, Germany, September 12 - 14, 2018.

Submissions are due by the 1st of April 2018 and shall be sent to the Managing Editor of NTM: redaktionntm@itz.kit.edu. All submissions will also be evaluated for potential publication in NTM.

**Submissions and Conditions of Participation**

Manuscripts (ca. 75,000 characters) should follow the journal's instructions for authors and can be submitted in German, English or French. They are supposed to be methodically or theoretically innovative or should open up new areas of investigation. The competition is open to young authors.
who have yet to finish their PhD or who have already received it within four years of the date of their submission. After the prize is awarded, the manuscript will be officially submitted to NTM and published after successfully passing the peer-review process.

VI. CALLS FOR PAPERS

*Politics of Natural History, or: How to Decolonize the Natural History Museum*, by Yvonne Reimers. Technische Universität Berlin, September 6-7, 2018.

Natural history museums preserve a considerable, yet often unacknowledged part of the world’s colonial heritage. Their identity, collections, exhibitions and, importantly, much of their research activities are based on objects that underwent multifold translocations from colonized territories to museums in the Global North. Natural history museums took advantage of colonial endeavors and were deeply entangled in the exploitation of the colonies. However, natural objects are often displayed as “of Nature” – and framed within a narrative of Western scientific endeavors and rationality. The complex histories of acquisition as well as the political context of the discovery and translocation of objects are thus rendered invisible. The conference takes the growing tension between the entangled history of natural history museums and colonialism on the one hand and the invisibility of those entanglements on the other as a starting point for considerations about decolonization.

Art, archaeological and ethnological museums as well as physical-anthropological collections and their objects have been confronted with their political past. Scientific and political debates on contentious objects, on looted art and human remains are an inherent part of academic and institutional discourses. They have been brought to public attention, perhaps not always intentionally, by large-scale projects like the Berlin Humboldt Forum. These efforts have also led to the development of critical historical, juridical and political concepts and instruments for dealing with collections. It is only very recently that natural history museums and their zoological, mineralogical, paleontological, botanical and geological collections entered these debates.

In response to this awakening consciousness, the conference aims to reflect natural history objects and museums through critical debates on the colonial past as well as cultural and natural heritage. Our objective is to sharpen our analytical concepts for researching, negotiating and displaying colonial natural history objects. What might it mean to decolonize natural history museums? How can we discuss the politics of natural history and its collections constructively and productively? How can we historicize natural history objects and integrate their political and economic contexts in scientific, academic and museological practices? What are the practical, juridical, and scientific consequences of decolonizing natural history museums? How can we thereby develop new perspectives on the responsibilities and opportunities of museums of natural history as places of critical debate?

The conference focuses on:
• Translocations – processes of collection, acquisition and appropriation; natural history objects as sites of memory, desire and identity.
• Research – past and current impacts of colonialism on scientific and museum practices; efforts to decolonize data, collections and object handling.
• Discourses – scientific and political concepts of colonial natural history objects; cultural and natural heritage debates; postcolonial approaches to natural history museums.
• Exhibitions – in/visibility of the colonial entanglement; conceptual frameworks for integrating colonial provenances.

We welcome papers from both the humanities and social sciences – like history and sociology of science, cultural and museums studies – and the natural sciences, that present either historic or actual case studies on colonial objects/collections in order to reflect on processes of their decolonization. Furthermore, we warmly invite theoretical and conceptual considerations for critical reflection about decolonization in natural history museums. Please send your abstract (max. 500 words) and CV to pan@mfn-berlin.de no later than April 15, 2018. For further information, please contact Yvonne Reimers (yvonne.reimers@mfn.berlin). The conference is conceived and organized by the joint project “Dinosaurs in Berlin. Brachiosaurus brancai as an Icon of Politics, Science, and Popular Culture”: https://www.museumfuernaturkunde.berlin/en/insights/science-programmes/dinosaurs-berlin

**History of Geosciences and Geoethics: the Right Path for Social Responsibility**, a session at the “89° Congress of the Geological Society of Italy and Italian Society for Mineralogy and Petrography” that will be held in Catania (Sicily) from 12 to 14 September 2018.

Organizers: Marco Pantaloni, Silvia Peppoloni, Fabiana Console, Giuseppe Di Capua, ISPRA, Rome, Italy. The abstract submission will start on March 26 and the deadline will be May 21. Below you find the call for abstract that has been published on the Congress website http://www.sgicatania2018.it/index.php

**Session Abstract**
What cultural heritage have we received from the geologists of the past? What value references, insights, ethical guidelines can be recovered? What is the social value of geological knowledge?

The history of geosciences is an indispensable starting point for understanding the scientific and cultural climate in which the reference values of the Italian geology matured, the geological thought that accompanied its development and which today, like a red thread, binds us to our past.

Geoethics deals with the ethical, social and cultural aspects related to geosciences. One of its objectives is to improve the quality of geological research and practice, enhancing the role of the geologist and emphasizing his/her responsibilities in making decisions that may have repercussions on the natural, social and economic balance of a territory.

In recent years the interest in these aspects of the geological activity has grown considerably, also in relation to the increasing urgency of the global challenges that affect our planet (from geological risks to the use of geo-resources, from climate changes to the reduction of pollution) and which require the involvement of geologists, as experts of the territory and its processes. For these reasons, today it is essential to develop a reflection on the cultural and historical identity of the geological sciences, with reference to the knowledge and consciousness
of the national territory, its resources and evolution, by deepening the ethical, historical, social and cultural aspects of geosciences, both in practical and theoretical terms, including case studies.

The session is jointly organized by the sections of "History of Geosciences" and of "Geoethics and Geological Culture" of the Italian Geological Society, and is promoted by INHIGEO (International Commission on the History of Geological Sciences - www.inhigeo.com) and the IAPG (International Association for Promoting Geoethics - www.geoethics.org).

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**Workshop on Scientific Archives (Carnegie Institution for Science, Washington, D.C., 13 & 14 August 2018)**, by Bethany Anderson. Committee on the Contemporary Archives of Science and Technology (C-CAST) of the International Council on Archives/Section on University and Research Institution Archives (ICA/SUVA).

Proposals are now being accepted for the Second Workshop on Scientific Archives. The aim of the workshop is to explore topics in the area of the contemporary archives of science and technology. Possible themes for papers include (but are not limited to):

- Collaboration between scientists and archivists to best capture contemporary material
- Appraisal of science and technology archives
- Curating and making accessible science and technology archives to support both humanities research and scientific reuse
- Describing specialist collections from a non-scientific perspective
- Archives and scientific data management and usage
- Public outreach and communication: who are scientific archives for?

The organizing committee welcomes proposals from (but not limited to) archivists, historians, scientists, engineers, data specialists and curators. Papers are to be 20 minutes. Please submit a 400-word abstract using the following form: [https://goo.gl/forms/4sCKjhJQsWnU3rm1](https://goo.gl/forms/4sCKjhJQsWnU3rm1) by Thursday 29 March 2018.

Papers will be selected by the organizing committee by Friday 20 April 2018, at which point selected speakers will be notified. The full program will be published in early-May 2018. A limited number of travel bursaries will be available for students, new professionals, and international presenters. These will be distributed by the organizing committee. For more information, see: [https://www.embl.de/aboutus/archive/working-with-scientific-archives/workshop/](https://www.embl.de/aboutus/archive/working-with-scientific-archives/workshop/). If you have any questions, please contact Melanie Mueller, mmueller@aip.org, or Bethany Anderson, bgandrsn@illinois.edu.

SHAC’s annual series of workshops fosters interdisciplinary exchange among graduate students and early career scholars from any field whose work engages with the history of alchemy and chemistry. We welcome abstracts that deal with this year’s topic within any historical period and geographical region. Projects pertaining to the material aspects of alchemical and chemical books, instruments, manuscripts, structures, substances, and other creative interpretations of this year’s theme are encouraged. Please be prepared to give a short presentation of your work and provide feedback for other’s pre-circulated papers. There will be a keynote presentation from Professor Jennifer Rampling (Princeton University) as well as a guided tour of the chemical texts and objects housed at the Royal Institution led by Head of Collections, Professor Frank James.

Please send a 350 word abstract and CV by 31 March, 2018 to SHAC Student Representative, Megan Piorko, at studentrep@ambix.org. Indicate your interest in a competitive travel stipend. Sponsored by the Royal Institution and the Society for the History of Alchemy and Chemistry.


In this panel, the Fantastic (Fantasy, Horror, and Science Fiction) Area of the Northeast Popular Culture/American Culture Association seeks to commemorate the 200th anniversary of the publication of Mary Shelley’s Frankenstein in 1818 by celebrating the longevity of her iconic characters of scientist Victor Frankenstein, “the pale student of unhallowed arts,” and his monstrous construct, “the thing he had put together,” as she succinctly describes them in her introduction to the 1831 reissue of the work. Proposals for papers should explore aspects of Shelley’s versions of Frankenstein or his creations (both the Creature as well as its Bride) as representations of the fantastic and/or of the afterlife of these figures in later fantastic narratives of any genre or medium in which adaptations and appropriations of the Frankenstein story have occurred. Be advised that presentations will be limited to 15 or 20 minutes in length depending on final panel size. Ideas and resources for the study of Frankenstein and its progeny can be accessed at Frankenstein and the Fantastic, an outreach effort of the Fantastic (Fantasy, Horror, and Science Fiction) Area, based at https://FrankensteinandtheFantastic.blogspot.com/. Please contact area chair Michael A. Torregrossa at FrankensteinandtheFantastic@gmail.com, using “Frankenstein 1818 to 2018” as your subject line, with any questions in advance of the 1 June 2018 deadline. Submissions should be made online through the “2018 Proposal Form” at https://nepca.blog/2018-conference/. Please select “The Fantastic (Fantasy, Horror, and Science Fiction)” as your designated area. A complete submission includes contact information, academic affiliation (if any), an academic biographical statement (between 50 and 200 words), a paper title (no more than 60 characters), and a paper abstract (no more than 250 words). Do also send copies of your biography...
The Northeast Popular/American Culture Association (a.k.a. NEPCA) was founded in 1974 as a professional organization for scholars living in New England and New York. It is a community of scholars interested in advancing research and promoting interest in the disciplines of popular and/or American culture. NEPCA’s membership consists of university and college faculty members, emeriti faculty, secondary school teachers, museum specialists, graduate students, independent scholars, and interested members of the general public. NEPCA is an independently funded affiliate of the Popular Culture Association/American Culture Association. Membership is open to all interested parties, regardless of profession, rank, or residency. NEPCA holds an annual conference that invites scholars from around the globe to participate. In an effort to keep costs low, it meets on college campuses throughout the region. Membership in NEPCA is required for participation and annual dues are included in conference registration fees. Further details are available at https://nepca.blog/membership-information/.

**Museums in Times of Political Change. Looking at Eastern Europe.** Conference of the Federal Institute of the Culture and History of the Germans in Eastern Europe in Oldenburg (Oldb) and Johann Gottfried Herder Research Council (European Ethnology Section), 07.-09.11.2018.

In past and present times museums and material culture studies represent central research topics not only within European Ethnology. In recent years, research approaches have undergone a critical revision. Researchers of social and cultural studies have approached the museum as an area of the history of knowledge and science as well as the popularisation of science. They have addressed the interplay between museums, the politics of history, forms of commemoration and remembrance and social discourses. It has become increasingly clear that “musealisation” should be understood as a productive element of politically influenced historical imaginations, remembrances and culture. Therefore, museums will be the central objects of research, on the one hand as formations of political and social processes and on the other as institutions in which knowledge and narratives are produced and imparted. Accordingly, the aim is to examine determining factors in cultural policies as well as the effects of social and political change on museum collections and productions since the late 19th century.

In general, the conference will address two focal points. The first is the politics of knowledge production in and by museums, specifically by taking a closer look at the creation of conception, myths and narratives as well as by analysing the constructive, reconstructive as well as deconstructive function of the museum as an institution. In addition, it is of interest to critically reflect on the epistemological potential of material culture.

Secondly, we intend to focus on the creation and development of museums as institutions within social and political processes. Analysing the effects of these processes, transformations and turning points on the history and conception of museums therefore bears exciting potential. In this context, the individual actors, their networks and the influential institutions are potential fields of study that can take into account epistemological aspects, public debates and current trends.
Possible topics for contributions include:
• Museums in political contexts,
• Continuities, turning points and transformations as demonstrated by the example of individual museums (translocations, destructions, reinterpretations, (re-) nationalisation),
• Networks and stakeholders in the politics of culture, history and museums,
• Interpretations and narratives in museums and exhibitions,
• Reflections on theory and methods in museum research.

We welcome submissions from a variety of disciplines (cultural anthropology, ethnology, history, cultural and museum studies) and from academics as well as museum professionals. Eastern Europe will be the focus of the conference; however, for comparative purposes we specifically encourage applications from researchers, who are specialized in other regions.

The conference language is German and English. We expect to be able to cover the speakers’ travel and accommodation expenses. Funding for the conference is provided by the Johann Gottfried Herder Research Council (European Ethnology Section). Time and Venue of the conference is November 7th to 9th, 2018 at the Federal Institute for Culture and History of the Germans in Eastern Europe in Oldenburg (Oldb), Germany.

Please submit your abstract of 300–400 words for a 20-minute paper, along with a short CV by April 6th, 2018 to: Dr. Cornelia Eisler cornelia.eisler@uni-oldenburg.de or Dr. Heinke Kalinke heinke.kalinke@uni-oldenburg.de. URL: http://www.bkge.de/Veranstaltungen/Kalender/3779-Tagung-Museen-in-Phasen-des-politischen-Umbruchs.-Das-oestliche.html


In a 1942 article Carl Hempel famously described historical explanations as (scientific) ‘explanation sketches’: incomplete explanations where the historians had failed to explicitly refer to the underlying universal laws. In reaction, Arthur Danto rejected the notion that historical explanation had anything to do with scientific explanation. Instead, historical explanation is a humanistic, interpretative activity, and all attempts to bring historical and scientific explanation together (e.g. Marx) have resulted in “intellectual monsters”.

Despite Danto’s protests, the past 50 years has seen a creeping expansion of the application of scientific explanation. Historians incorporate social science into their explanations; literary criticism is often influenced by psychology. With the advent of ‘Big History’, some have even attempted to fit the whole of history within a quasi-predictive framework. Intellectual monsters abound. Has Hempel been vindicated? A number of important developments in philosophy of science give pause. The first is that our conception of what it means to explain something scientifically has much widened. It is no longer automatically means to subsume phenomena under timeless universal laws, but can also mean, for instance, to find the mechanisms causing the phenomenon, or to explain a state of affairs as a path-dependent, irreversible outcome.

The second is that scientific explanation is now distinguished from understanding, at least by some philosophers. Giving an explanation of a phenomenon is not the same as understanding
that phenomenon. This distinction was alien to the early generation of logical positivists, but would have been sympathetically received by Danto. These developments invite a reexamination of the relationship between scientific and historical explanation – a topic that has fallen into neglect since 1970. For this workshop, we invite contributions on the relation between scientific and historical explanation. Addressed questions include but are not limited to:

1. What role does history play in scientific explanation? Why does history play a role?
2. Can we reduce historical explanation to a form of causal explanation?
3. Is there a form of explanation or perhaps understanding that historians seek that is distinctive from that of social scientists?
4. What is the difference between explanation in history and explanation in social science?
5. Is there a difference between scientific understanding and humanistic understanding?

We have a number of 45-minute slots for contributed papers (no parallel sessions). For this we invite submissions of abstracts of between 300 and 500 words, excluding references and footnotes. Abstracts must be blinded, but include personal information (affiliation, contact info) in your submission email. Send to hugh.desmond@kuleuven.be Deadline: April 8, 2018. We have funds to award travel grants to PhD students and early career researchers. Please indicate in your submission whether you would like to be considered.

VII. CONFERENCE ANNOUNCEMENT

New Perspectives In Environmental History
Kroon Hall, Yale University, New Haven, Connecticut. A Northeast Regional Conference.
Saturday, April 14, 2018.
https://environmentalhistory.yale.edu/programs/conferences/new-perspectives-environmental-history-2018


Yale Environmental History is pleased to announce its upcoming environmental history conference, “New Perspectives in Environmental History.” Please join us in New Haven for a lively day of talks and discussion on Saturday, April 14, 2018. This one-day conference aims to showcase current doctoral student research in environmental history and to encourage dialogue among graduate students and faculty. The conference will include three moderated panel sessions featuring presentations by graduate students from nine different universities.

The first session, “LANDSCAPE AND REPRESENTATION,” will examine the relationship between conservation and memory in twentieth-century Boston; the role played by colonial surveys in efforts to understand the environment of the Nile Delta in British Egypt; and the interactions between enslaved Afro-Brazilians, the water system of nineteenth-century São Paulo, and the creation of patterns of urban inequality.

The second panel, “RESOURCES AND INFRASTRUCTURE,” will analyze the local socio-environmental implications of the British Gold Coast rubber campaign during the Second World
War; the impact of the Trans-Alaska Pipeline System in the industrialization of the American Arctic; and the importance of conflicts over the damming of rivers and access to fish for the indigenous peoples of colonial New England.

The third session, “POWER AND EXPERTISE,” will explore the use of American remote sensor technologies to circumvent environmental challenges to counterinsurgency in Vietnam and Laos; attempts by the India Meteorological Department to predict the monsoon for purposes of imperial governance between 1886 and 1930; the implementation of environmental rights in the state constitutions of Massachusetts and Pennsylvania during the 1970s; and the transnational flows of expertise that characterized the construction of the Wushantou Dam in Japanese Taiwan.

Presentations will be based on papers circulated in advance to panel commentators and conference attendees. A faculty panel with BATHSHEBA DEMUTH (Brown University), JOSEPH MANNING (Yale University), and LAURA MARTIN (Williams College) will conclude the day's activities with a discussion of innovative approaches to environmental history.

Program:
9:30 Opening Remarks, Paul Sabin, Yale University

9:45-11:00 Panel 1: Landscape and Representation. Chair: Alan Mikhail, Yale University
- Jeffrey Egan (UConn): “Conserving Land and Memory at Boston’s Quabbin Reservoir, 1927-1985”
- Mohamed Gamal-Eldin (NJIT/Rutgers-Newark): “Surveying the Land: Towards an Environmental History of the Nile Delta under British Colonial Rule”
Commentator: Laura Ann Twagira, Wesleyan University

11:20-12:35 Panel 2: Resources and Infrastructure. Chair: Kalyanakrishnan Sivaramakrishnan, Yale University
- Keri Lambert (Yale): “We Must Have Every Ounce: The Gold Coast Rubber Campaign during the Second World War”
- Philip Wight (Brandeis): “No Refuge: The Trans-Alaska Pipeline System and the Industrialization of the Arctic”
- Zachary Bennett (Rutgers): “We Desire the Benefit of the Fish: Colonial Dams and the Dispossession of New England’s Native Peoples”
Commentator: Emily O’Gorman, Macquarie University, Sydney

1:45-3:35 Panel 3: Power and Expertise. Chair: Deborah Coen, Yale University
- Anna Feuer (Yale): “Battling the Landscape: Counterinsurgent Innovation and Rebel Adaptation in Vietnam and Laos”
- Sarah Carson (Princeton): “Stubborn, Wayward, and Uncertain”: Rationalizing the South Asian Monsoon, 1886-1930
- Elizabeth Hameeteman (Boston University): “The Water Rights Revolution: Constitutionalizing Environmental Protection in Pennsylvania and Massachusetts”
Commentator: Harriet Ritvo, MIT
4:00-5:15 Faculty panel
- Bathsheba Demuth, Brown University
- Joseph Manning, Yale University
- Laura Martin, Williams College

VIII. JOBS, POSTDOCTORAL POSITIONS, AND RESEARCH FELLOWSHIPS

Australia
- **Lecturer in Italian Studies**
  Australian National University, College of Arts and Social Sciences
- **Postdoctoral Research Fellow in Historical & Philosophical Inquiry**
  University of Queensland, School of Historical & Philosophical Inquiry
- **Lecturer Art History and Curatorship**
  Australian National University, School of Art and Design
- **Postdoctoral Research Fellow in Languages and Cultures**
  University of Queensland, School of Languages and Cultures
- **Postdoctoral Research Fellow in Historical & Philosophical Inquiry**
  University of Queensland, School of Historical & Philosophical Inquiry

Belgium
- **Tenured Academic Staff in History of Spirituality in the Low Countries in the Medieval and Early Modern periods**
  University of Antwerp, Faculty of Arts
  University of Antwerp, Faculty of Arts

Canada
- **Sessional Assistant Professor position in Art History**
  York University, School of Arts, Media, Performance and Design
- **Full Time Tenure Stream - Assistant/Associate Professor in Indigenous Studies**
  York University, Department of Equity Studies

Cyprus
- **Tenured appointment at the rank of Professor or Associate Professor in Digital Humanities**
  University of Cyprus

Denmark
- **PhD scholarship in Natural Language Processing for the Digital Humanities**
  University of Copenhagen, Department of Nordic Studies and Linguistics (NorS)
- **Associate Professorship in Archaeology**
  Aarhus University, Department of Archaeology and Heritage Studies at the School of Culture and Society, Faculty of Arts
Finland

- An associate or full professor post in the New Social Research programme in the area of New Education Futures PRIORITY!
  University of Tampere
- Post-doctoral Fellow in Statistical Modelling - Early Childhood Development
  University of Hong Kong, Faculty of Education
- Post-doctoral Researcher in Digital Interaction
  University of Turku School of Languages and Translation Studies in the Faculty of Humanities
- Postdoctoral Researchers (4) in Urban Studies
  University of Helsinki, Institute of Urban and Regional Studies
- Professor in Chinese Studies
  University of Helsinki, Faculty of Arts
- Post-doctoral Researcher Position in Archaeology
  University of Oulu, Faculty of Humanities
- Doctoral Student Position in Archaeology
  University of Oulu, Faculty of Humanities

Japan

- 1 Associate professor or Associate professor(tenure track) in Social Structure and its Change in the Global Society
  Academy of Hiroshima University, Graduate School of Integrated Arts and Sciences, Department of Studies of Human Cultures
- 1 Associate Professor (tenure position) in Minority Culture Studies
  Academy of Hiroshima University, Graduate School of Integrated Arts and Sciences, Department of Studies of Human Cultures
- 1 Associate Professor or Lecturer in Socio-cultural Studies on Spanish-speaking regions focusing on Latin America
  Academy of Hiroshima University, Graduate School of Integrated Arts and Sciences, Dept of Studies of Civilization and Society

Norway

- Postdoctoral Research Fellowships Probing the Boundaries of the (Trans)National
  University of Oslo, Department of Literature, Area Studies and European Languages, Faculty of Humanities
- Post Doctoral Research Fellow in "Rebel Governance in the Middle East"
  University of Oslo, Department of Culture Studies and Oriental Languages, Faculty of Humanities

Sweden

- Early-Stage Reserachers/PhD Candidates in Education
  University of Gothenburg, Department of Education and Special Education
- PhD students in Economic History
  University of Gothenburg, Department of Economy and Society
- **Professor in English, specializing in American Literature**
  Uppsala University, Faculty of Languages

**United Arab Emirates**
- **Faculty in Arabic Language/Islamic Culture**
  Abu Dhabi University, University College

**United Kingdom**
- **Assistant Professor in Ancient Greek History (2 posts)**
  University of Nottingham, Department of Classics & Archaeology
- **The University of Manchester Presidential Academic Fellowship: American Studies**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Economic Cultures**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Education**
  University of Manchester, School of Environment, Education and Development
- **The University of Manchester Presidential Academic Fellowship: Environment**
  University of Manchester, School of Environment, Education and Development
- **The University of Manchester Presidential Academic Fellowship: Environmental History**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Faculty of Humanities**
  University of Manchester, Faculty of Humanities
- **The University of Manchester Presidential Academic Fellowship: Interdisciplinary Arts**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Medical Humanitarianism**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Modern and Contemporary Literature**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Non-Western or Global Art History**
  University of Manchester, School of Arts, Languages and Cultures
- **The University of Manchester Presidential Academic Fellowship: Data Sciences - Digital Humanities and Digital Creative**
  University of Manchester, School of Arts, Languages and Cultures
- **AHRC PhD Studentship: Digitised Collections and the Social Museum: The (Re)use of Images of Objects in the Collections of the Science Museum Group**
  School of Advanced Study, University of London
- **Lecturer in Archives, Records Management and Information Governance**
  UCL Information Studies, University College London
- **Teaching Fellow/Senior Teaching Fellow in Business Analytics**
  UCL School of Management, University College London
- **Lecturer in Creative Industries**
  School of Performance & Cultural Industries (PCI), University of Leeds
Chair in Arts and Cultural Heritage  
Art History, Drama and Music, The University of Manchester

Lecturer in Heritage Studies  
School of Arts, Languages and Cultures, The University of Manchester

United States

- **2017-18 Non-Tenure Track Faculty Pool in Department of History**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Mexican American & Latina/o Studies**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of American Studies**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Classics**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Linguistics**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Spanish and Portuguese**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of French and Italian**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Slavic and Eurasian Studies**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of English**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Middle Eastern Studies**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Asian Studies**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Geography and the Environment**  
  University of Texas at Austin, College of Liberal Arts

- **2017-18 Non-Tenure Track Faculty Pool in Department of Philosophy**  
  University of Texas at Austin, College of Liberal Arts

- **Non-Tenure Track Faculty Position in Art and Art History Department of Art & Art History**  
  University of Texas at Austin, College of Fine Arts

**Featured Jobs and Fellowships**

**Principal Curator, Technology, National Museums Scotland**  
The National Museums Scotland is one of the leading museum groups in Europe. With one of the largest and most diverse collections in the world, we are responsible for the acquisition, preservation and display of a substantial part of Scotland’s cultural, historic and national heritage. Millions of local and international visitors enjoy our four museums each year, and we also introduce
our collections to a much wider audience than can physically visit our museums through, touring exhibitions, loans, community engagement, digital programmes and research. Over the past decade, we have invested over £110 million in our collections, our museums and the experiences we provide for our visitors. Alongside this, we have continued to transform how we communicate and engage with our audiences. This year, the continuing implementation of our Masterplan for the National Museum of Scotland has seen the opening of ten inspiring galleries of fashion, applied art and design and of science and technology. At the National Museum of Flight further investment has enabled us to make a step change in the visitor experience through the restoration of two historic hangers and creation of new displays. This is an exciting opportunity to manage and develop a growing section within the Department of Science & Technology. The section includes engineering, industry and domestic technology, from beam engines to smart meters, and its scope will be expanding. There are Technology collections not only at the National Museum of Scotland but also the National Museum of Rural Life, and, especially, the National Museums Collection Centre. The post-holder will supply a high level of expertise and experience in one or more of the collection areas covered by the section.

As head of section the Principal Curator will have responsibility for developing these collections, particularly in relation contemporary developments in technology. The successful candidate will lead, manage and participate in the research, interpretation and STEM engagement activities of the section and be expected to contribute to the Department’s input to National Museums Scotland’s special exhibition programme. As Principal Curator, you should have acknowledged demonstrable research expertise in a relevant specialist area and an established reputation in your discipline. The post-holder will also be required to support the Keeper in developing this changing Department to achieve its aims and ambitions.

Applicants should have a minimum 2:1 degree and postgraduate qualifications in a relevant subject, in addition to proven relevant work experience. An excellent communicator with a proven track record of research and fundraising, the successful candidate will be organised, methodical, adept at problem solving, a team worker and a strategic thinker. Experience in managing staff and projects, and good ICT skills are also essential. A driving licence is highly desirable. The selected candidate would be expected to take up the role around 1 July 2018, or as soon as possible after this date. Please see here for the full recruitment pack and the application form can be found here.

“Lee Kong Chian Research Fellowship” & “George Lyndon Hicks Fellowship for Southeast Asia Collections”

The National Library, Singapore invites applicants for the 2018 Lee Kong Chian Research Fellowship and George Lyndon Hicks Fellowship for Southeast Asia Collections.

The Lee Kong Chian Research Fellowship (LKCRF) program started in 2005 and has been awarded to 53 researchers. The Fellowship aims to facilitate new research and publishing about Singapore and Southeast Asian culture, economy and heritage. This will enrich the Southeast Asia-centric collections and resources of the Lee Kong Chian Reference Library at the National Library, Singapore. We welcome talented scholars and researchers to use our resources and services, and
to collaborate with us on joint research projects to create new knowledge. The LKCRF will be offered to individuals interested in suggested fields of research identified by the National Library, Singapore.

The George Lyndon Hicks Fellowship for Southeast Asia Collections (GLHF) aims to attract top professionals to work with the National Library Board (NLB) to develop its collections on Singapore and Southeast Asia. Through the Fellowship, NLB also aims to foster partnerships with collectors worldwide. We welcome talented librarians, researchers, curators, archivists and collectors to collaborate with us. Instructions on how to apply and other details about the LKCRF can be found here, and the GLHF here. Applications close on 27 April 2018.

W1-Juniorprofessur für Technik- und Umweltgeschichte
(ohne Tenure Track) befristet (4 Jahre + 2 Jahre nach positiver Evaluation) zu besetzen.


Es gelten die Einstellungsvoraussetzungen gemäß § 51 LHG. Das KIT strebt die Erhöhung des Anteils an Professorinnen an und begrüßt deshalb die Bewerbung entsprechend qualifizierter Frauen. Schwerbehinderte Bewerber/innen werden bei entsprechender Eignung bevorzugt berücksichtigt.

Bewerbungen mit den üblichen Unterlagen (Lebenslauf, Zeugniskopien, Schriftenverzeichnis und Verzeichnis der bisherigen Lehrveranstaltungen) werden in schriftlicher und elektronischer Form (als eine PDF-Datei) bis 25. April 2018 erbeten an das Karlsruher Institut für Technologie (KIT), Dekanat der KIT-Fakultät für Geistes- und Sozialwissenschaften, Kaiserstraße 12, 76131 Karlsruhe, E-Mail: dekanat@geistsoz.kit.edu. Fachliche Auskünfte erteilt Ihnen gerne Frau Prof. Dr. Heike Weber, E-Mail: heike.weber@kit.edu.
VII. Join ICOHTEC

An ICOHTEC membership makes you a member of the scholarly network of the UNESCO-based International Committee for the History of Technology, ICOHTEC.

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- Electronic access to back issues of ICON (published since 1995)
- ICOHTEC’s electronic Newsletter (published monthly – available via mailing list and on the homepage)
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After filling the form, please scan and send by email to Prof. Timo Myllyntaus, ICOHTEC Treasurer at timmyl@utu.fi. Your filled form will facilitate sending ICONs and allocating access privileges.