

ICOHTEC

NEWSLETTER



www.icohtec.org

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Newsletter of the International Committee for the History of Technology ICOHTEC

Editor: Stefan Poser, Helmut-Schmidt-University Hamburg, Modern Social, Economic and Technological History, Holstenhofweg 85, D-22043 Hamburg, Germany, poser@hsu-hh.de

Editorial

Dear Colleagues and Friends,

The call for papers for our next symposium in Glasgow, Scotland (2 – 7 August 2011) is out; the deadline for the submission of proposals is **31 January 2011**. Please let me know, if you want organise a session and thus publish an additional call for papers.

Two years ago, ICOHTEC has introduced the *ICOHTEC Prize for Young Scholars* which focuses especially on authors of Master- and PhD-thesis. On the Tampere meeting was discussed to add a second ICOHTEC Prize, the *Maurice Daumas Prize* for articles, which aims to encourage scholars of any age to innovative and superbly written research in the history of technology; the deadline for application of both prizes is **24 January 2011**.

Best wishes

Yours Stefan Poser

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I. ICOHTEC

I.1 Consumer Choice and Technology ICOHTEC Symposium 2011 – Call for Papers

**The International Committee for the History of Technology's
38th Symposium in Glasgow, Scotland, 2 – 7 August 2011**
Deadline for proposals is **31 January 2011**

The 38th ICOHTEC Symposium will be held in Glasgow on 2-7 August 2011. The main theme of the meeting will be *Consumer Choice and Technology*. The aim is to examine the interaction of technology and consumer behaviour in a historical perspective, with a primary focus on factors steering consumption and how consumers by their choices have influenced technological development. The transition from agrarian society to consumer society is one of the epoch-making phases in human history that can be studied from various aspects and contexts.

For a long time history of technology has been dominated by the view that the sphere of production and the design process (ruled by engineers and technical experts) was largely separate from the sphere of consumption and the use of technology (ruled by businessmen and consumers). As a result, the connections and dialogues between producers and consumers were for decades neglected as a field of research in the history of technology. While tackling this issue, the symposium will study, in which manner market mechanisms, technical diffusion, safety standards, consumer counselling, consumer polls, the informal grape vine and other feedback mechanisms managed to bridge the information gap between manufacturers and their clients in the past. It will investigate failed as well as successful feedback from consumers to producers. As research in the history of technology has recently increasingly focused on this issue, ICOHTEC will examine in its the 38th symposium the linkage between consumption as a communication system of consumer's choice and design, technology and production.

ICOHTEC welcomes individual paper and poster proposals as well as the submissions of compact and coherent sessions to this pathbreaking symposium.

The symposium programme will include scientific and plenary sessions, poster presentations, business meetings and general assemblies of the organising societies, excursions, social events such as receptions and a formal banquet, and pre- and post-conference trips. The premises of the University of Glasgow will serve as venues for this meeting.

The programme committee suggests the following subthemes for the consideration of session organizers and contributors.

CONSUMERS' IMPACT ON TECHNOLOGY

- Tailor-made products: The role of artisans and contractors at the crossing point of consumers and their needs
- The emergence of interchangeable parts – the loss of technology's soul?
Impersonality and personality in mass production
- Easy-use technology and consumer friendly design
- Consumers interacting with technology: The development of interface design
- The significance of fashion in technological development
- Appropriated technology and modification of products by consumers
- Push or pull? Consumers' choice or producers' power: Who drives the mass market of technology?

SOCIAL CONSTRUCTION OF CONSUMPTION AND MEANING IN TECHNOLOGY

- The social and cultural construction of consumers: The role of gender, youth, social classes etc.
- Technology, consumption and the body
- Emotions and machines: Adored and hated technologies

MARKETING CONSUMPTION – POPULARIZING TECHNOLOGY

- Marketing: a tool to bridge the gap between producers and consumers?
- Inducements to buy: The role of economic incentives, emotional appeals and rational benefits for consumer choice
- The unknown consumer: How companies get information on consumer demands
- The role of brands in producing confidence in new technologies
- Popularizing technology to consumers as a precondition of consumption

TECHNOLOGY TRANSFER AND THE TRANSFORMATION OF CONSUMPTION

- From high-tech to domestic use and back
- Shaping technology - shaping consumption behaviour
- How are products and practices adapted for local conditions?
- Towards a global account of technology transfer and consumption

REGULATING CONSUMPTION AND TECHNOLOGY

- Regulating technology: Consumer protection, warranties, safety standards
- Consumer counselling
- Training the consumer: The history of manuals and guidebooks

EVERYDAY LIFE AND LIFESTYLES

- Mass consumption and the technological revolution of everyday life
- The consumption of technology as modern lifestyle
- Luxury vs. mass consumption: Two different paths of technology?

CONSUMPTION PATTERNS AND TECHNOLOGICAL CHANGE

- Epochs in the history of consumption: From agrarian to consumer society to post consumption
- Capitalism vs. Communism: Rivalling consumption patterns during the Cold War
- Western technology and consumption as a model for developing countries?

ENVIRONMENTAL CONSUMPTION OR CONSUMPTION OF THE ENVIRONMENT?

- The ecological choice: The development and consumption of sustainable technology
- Consumers and environment: The downside of consumption
- Contested pasts: The heritage of the consumption society

NETWORKS OF CONSUMPTION AND TECHNOLOGY

- Sales and distribution in consumer society: From market squares, supermarkets and mail-order trade to e-commerce
- Networks of mass consumption: Electricity, water supply, transportation and communication
- The city as a consumption network

OUTCASTS AND NOSTALGIA

- Technological outcasts: Products and solutions rejected by consumers
- Technological comeback: Retro-products and retro-design

Proposal Guidelines

The symposium covers all periods and all areas of the globe. In keeping with a cherished tradition of the field, the meeting is open to scholars from all disciplines and backgrounds. We especially encourage graduate students to participate in the symposium and submit their proposals. Because we aim at quick and equal processing of submissions, paper or poster proposals must be submitted in English. Nevertheless, besides English also French, German, Russian and Spanish are acceptable for paper and poster presentations at the symposium, but the organizers will not provide simultaneous translation during the conference.

We urge contributors to consider organizing a full session of three or more papers. Individual paper submissions will also be considered. It is possible to propose papers unrelated to the general theme as well. They can be presented in "SPECIAL TOPICS" sessions.

INDIVIDUAL PAPER proposals must include: (1) a 400-word (maximum) abstract; and (2) a one-page CV. Abstracts should include the author's name and email address, a short descriptive title, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. If you are submitting a paper proposal dealing with a particular subtheme, please indicate this in your proposal.

In preparing your paper, remember that presentations are not full-length articles. You will have no more than 20 minutes to speak, which is roughly equivalent to 8 double-spaced typed pages. For more suggestions about preparing your conference presentation, please consult the guidelines at the conference website.

Contributors are encouraged to submit full-length versions of their papers after the conference for consideration by ICOHTEC's journal *ICON*.

SESSION proposals must include (1) an abstract of the session (400 words maximum), listing the proposed papers and a session chairperson; (2) abstracts for each paper (400 words maximum); (3) a one-page CV for each contributor and chairperson. Sessions should consist of at least three up to ten speakers and may include several sections of three or four speakers each, which might extend over more than one day. The programme committee reserve the right to relocate papers to different themes and add papers to sessions. We also encourage proposing roundtables and other "untraditional" session formats.

POSTER proposals must include (1) a 400-word (maximum) abstract; and (2) a one-page CV. Abstracts should include the author's name and email address, a short descriptive title, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. Please, indicate one of the specified subthemes for your poster.

Proposal submissions

The final deadline for all submissions is Monday **31 January 2011**.

Please, check updated instructions on submissions at our website: <http://www.icohtec.org/>

Meanwhile, you may submit papers, posters and session proposals via email to lars.bluma@rub.de. If email is unavailable, proposals may be sent by fax to Lars Bluma at: +49 (0)234 - 3214205. Otherwise they may be sent via regular mail or courier, postmarked not later than 21 January 2011. The mail address is:

Lars Bluma / ICOHTEC 2011
Ruhr-Universität Bochum
Medizinische Ethik und Geschichte der Medizin
Malakowturm, Markstr. 258a
44799 Bochum
Germany

All questions about the programme proposals should be submitted to the chair of the programme committee, Lars Bluma, lars.bluma@rub.de, tel. +49 (0)234 - 3228827.

I.2 MAURICE DAUMAS PRIZE 2011

The International Committee for the History of Technology, ICOHTEC, welcomes submissions for its new article prize, *Maurice Daumas Prize*, which aims to encourage innovative and superbly written research in the history of technology. ICOHTEC is interested in the history of technology focusing on technological development as well as its relationship to science, society, economy, culture and the environment. The history of technology covers all periods of human history. There is no limitation as to theoretical or methodological approaches.

The *Maurice Daumas Prize* will be awarded to the best submission of an article on the history of technology published in a journal or edited volume in 2009 or 2010. Submissions are welcomed from junior and senior scholars of any country, and they can focus to study the technological past of any part of the world.

Eligible to the prize are original published articles in any of the official ICOHTEC languages (English, French, German, Russian or Spanish). If the language of publication is not English, applicants should include a three-page English summary.

For the *Maurice Daumas Prize 2011*, please send your submission to *each* of the four Prize Committee members. **Your submissions must be postmarked *not later than 24 January 2011*.**

The submission should be accompanied by a CV and, if applicable, a list of publications. Applicants are free to add references or reviews on the work submitted. The winner will be contacted in mid-June 2011.

The prize will be awarded at our 38th Symposium, 2 – 7 August 2011 in Glasgow, UK. The winner will receive a money prize worth of Euro 500 as well as travel grant of Euro 300 (if needed) to attend the ICOHTEC Symposium of 2011.

Send a complete application **by regular mail services** or **electronically as a pdf-file** attachment to each of the following Article Prize Committee members:

Anna Storm, Postdoctoral researcher, Chair, Email: anna.storm@sh.se
Centre for Baltic and East European Studies
Södertörn University
SE-141 89 Huddinge/Stockholm
Sweden

Colin Divall, Prof., Email: colin.divall@york.ac.uk
Department of History
University of York
Heslington
York YO10 5DD
United Kingdom

Martina Hessler, Prof., Email: mhessler@hsu-hh.de
Department of History
Helmut Schmidt University
Holstenhofweg 85
D-22039 Hamburg
Germany

Pierre Lamard, Prof. Email: pierre.lamard@utbm.fr
Laboratoire RECITS
L'Université de Technologie de Belfort-Montbéliard (UTBM)
F-90010 Belfort CEDEX
France

MAURICE DAUMAS (1910 - 1984) – The French Trailblazer

The history of technology would never have become a prominent field of historical research without energetic pathbreakers. Maurice Daumas was one of them. His broad scientific production include an early work *Les instruments scientifiques aus XVII^e et XVIII^e siècles*, which gained good reputation and was also published as an English translation. During years 1962–1978, he edited a highly valued history of technology *Histoire générale des techniques*, 5 volumes, which has been translated into English and Spanish and used as a textbook in various countries. In France, Daumas was also the pioneer of industrial archaeology. Daumas put great efforts to promote the history of technology as a discipline, and he contributed to several societies, journals and conferences. He was also the first secretary general of ICOHTEC and the host of its symposium at Pont-a-Mousson in 1970.

For further information on Daumas please visit:

http://www.persee.fr/web/revues/home/prescript/issue/rhs_0151-4105_1984_num_37_3

II. Conference Announcements

23 January – 4 February 2011

**Requiem & Revitalization, International Students' Workshop and Symposium
'Bhopal2011'**

School of Planning & Architecture, New Dehli

Bhopal

CFP – Deadline **15 November 2010**

In January 2011, School of Planning & Architecture, New Delhi, modern Asian Architecture Network (mAAN), India and The International Committee for Conservation of Industrial Heritage (TICCIH) India will host an international workshop and symposium in Bhopal. Bhopal is known the world over as the city that witnessed the Union Carbide Gas Tragedy in 1984 and continues to struggle with the fallout of this disaster. The significance of the disaster however, extends beyond Bhopal. The factory site of the disaster, now an urban void in a dense neighbourhood of Bhopal lies abandoned and the stories that it contains, lie untold. Over the course of two weeks in January-February 2011 students and experts from multiple disciplines and backgrounds will converge in Bhopal and work together with local citizens in an attempt to understand the tragedy and its site in its conflicting interpretations. Through exploring the possible transformation of the site into a place of remembrance and a resource for empowering the local community the participants will also address the broader issue of how heritage sites with a troubled and troubling legacy can contribute to a better understanding of our times.

The conflict that 'Bhopal' embodies presents an opportunity to generate templates and approaches with which the various conflicts and challenges of the site can be negotiated. This can contribute to our greater understanding of issues relating to sites with marginalised and conflicting historic narratives. Bhopal's tragedy has bequeathed it a legacy that is of enormous significance to the global discourse on balancing development with equity and ecology. The world over, but especially in Western Europe and North America regeneration through conservation has become a means of revitalizing local economies and maintaining the social fabric of communities hard hit by globalisation. Bhopal2011 looks at the possible protection, decontamination and rehabilitation of Union Carbide Factory as potential to revitalize the precinct and the community around the site and explores the possible approaches and mechanisms to do so. In exploring key issues linked to the emergence of the Bhopal Gas Tragedy Site as a cultural heritage site, Bhopal2011 sets the ground for an collaborative and creative dialogue between disciplines of cultural heritage, architecture, urban design and applied arts.

Within a collaborative framework the conference and the workshop will explore three main themes:

1. Challenges in Recognizing Contemporary Sites with a Conflicting Past as Heritage
2. Challenges in Interpreting and Rehabilitating Sites with Contemporary and Conflicting Heritage
3. Challenges in Harnessing Sites with Contemporary and Conflicting Heritage for Society Building

During the Workshop (23 Jan-01 Feb 2011) 50 international students will be organized different units, each unit led by noted professionals & academics in the field of architecture, urban design, conservation, heritage management and urban studies. Students will primarily be from architecture, urban design, applied arts, conservation, archaeology, history and heritage management backgrounds. The workshop will have guest lectures by experts and a mid-term review. At the end of the workshop units are to present their proposals in medium of their choice. Infrastructure in terms of studio space, fixed amount of basic stationery, internet and printing facilities will be provided for the students. This format has been very successful in the previous mAAN Workshops in Asia; Shanghai (2004) Medan (2005) Padang (2009) Singapore (2010). Further information is available at www.bhopal2011.in. Last date for registration is 1 December 2010.

The Call for Papers & Posters for the Symposium (02-04 Feb 2011) at Bhopal2011 is now open. The symposium will examine the Bhopal Gas Tragedy as a metaphor, a representative of the problems facing our cities today. It will discuss issues arising out of the Bhopal Gas Tragedy that concern cities across the world. Papers are invited for the following (but not limited to) themes and proposals for organizing sessions are welcome.

1. Commemoration & the Politics of Construction of Public Memory
2. Public Participation in Revitalization of Sites of Memory
3. Challenges in Rehabilitating Landscapes of Disaster
4. Protection, Preservation and Interpretation of Sites of Conscience
5. Heritage, environment and economy – Conflicts and Resolutions
6. Gaps in the World Heritage list. Industrial & Modern Heritage of Asia, Africa and Latin America

Post conference tours (4 Days and 3 Nights) to Agra-Jaipur-Delhi and Mumbai are available for a limited number of participants. The tours will focus on sites of history and issues of development facing these remarkable cities.

Further information is available at www.bhopal2011.in.

Questions may be directed at info@bhopal2011.in.

Symposium related questions: symposium@bhopal2011.in

Workshop related questions: workshop@bhopal2011.in

Post conference tours related questions: tours@bhopal2011.in

3 – 5 March 2011

Technotopologien, räumliche Perspektiven und Praktiken. Abschlusskonferenz des DFG-Graduiertenkollegs (1343) Topologie der Technik / Topology of Technology

Technische Universität Darmstadt

CFP - Deadline **31 October 2010**

The aim of the interdisciplinary conference is to analyse mutual influences of space and technology.

Please find more information on <http://www.ifs.tu-darmstadt.de/index.php?id=gradkoll-tdt>

Please contact the organisers by topology2011@ifs.tu-darmstadt.de.

31 March – 1 April 2011

Gordon Cain Conference on the History of Atmospheric Chemistry

Chemical Heritage Foundation, Philadelphia

CFP – Deadline **15 November 2010**

The atmosphere is as intimate and personal as a breath of air; it also manifests in particular ways in particular locales and as global phenomena with international social, political, and economic dimensions. The phrase “chemical weather” invokes the temporal and spatial variability and complexity of atmospheric chemical processes. Air quality forecasts indicating expected levels of pollutants such as smog, ozone, pollen, and suspended particulate matter are one example of this; etiological studies of air pollution and health are another; military and security concerns over poison gas and aerosol attacks represent yet a third area of focus. “Chemical climate” refers to large scale and long-term interactions also known as bio-geo-chemical cycles, their changes, and their social import.

The 2011 Gordon Cain Conference seeks papers and posters that present original research, examine historiographical issues, and/or pursue historical syntheses in the field of atmospheric chemistry (broadly defined). Special consideration will be given to contributions addressing issues of scale—for example lungs, locales, and trans-boundary issues—and exploring interdisciplinary perspectives involving literature, art, architecture, and related fields. Papers may also involve case studies of chemical industries, governance, regulation, and litigation. Presenters are encouraged to emphasize the social relevance of their research and to communicate the results of their research in forms accessible to the interested public.

Students and scholars from all nations and at all stages of their careers are encouraged to apply. Partial support for travel, accommodation, and meals for selected participants will be provided by CHF.

Please send your paper or poster title, abstract of 250 words or less, and a 2-page c.v. to:

Professor James R. Fleming, STS Program, Colby College, Waterville, jfleming@colby.edu at any time, but no later than the (slightly extended) deadline of Nov. 15, 2010.

27 – 19 April 2012

Hazardous Chemicals: Agents of Risk and Change (1800-2000)

Deutsches Museum, Munich, Germany

CFP – Deadline **1 July 2012**

The Research Institute of the Deutsches Museum, the Department of History at Maastricht University and the Rachel Carson Center for Environment and Society are planning a joint workshop to be held at the Deutsches Museum, Munich, in April 2012 dealing with the history of hazardous chemicals.

Chemistry is undoubtedly a science with a great social and economic impact. During the past two centuries millions of new substances have been described, and thousands of them have become novel industrial products. In several cases the scale of production, together with by-products and wastes, has led to previously unknown effects on human health and on the environment. Growing awareness of the impacts of hazardous substances on the economy, society and the environment has stimulated new scientific insights, discussion of risk perception, and new legislation. Advances in analysis and detection of chemicals have played a large role in this respect. Since the 1960s, industrialized countries have adopted a framework for assessing and regulating toxic chemicals that remains in force today. By this means attempts have been made, with varying degrees of success, to control individual pollutants using scientific and technical tools, including risk assessment, toxicological testing, epidemiological investigations, pollution control devices, trace measurements, and waste treatment and disposal technologies.

The present workshop will focus on the interaction between (a) the growing presence of hazardous substances in the economy and the environment, and (b) the cultural, scientific, regulatory and legal responses by modern society to these hazards. In each paper a specific chemical, or group of related chemicals, will take centre stage: from the start of its industrial production, via the proliferation of its uses, and the discovery of its effects on workers, consumers and/or on the biosphere, to attempts to control its emission and use, including the development of alternative products. The workshop will focus in particular on the history of specific chemicals which have had a profound impact on the way in which ecological and health effects have been perceived. Using a 'biographical approach' it will trace the entire 'life history' (production, use, problems, risk assessment, management strategies, and disposal) of those hazardous substances, culminating at the point at which legislative controls or alternative technical pathways were finally established. The focus will be on the main period of chemical industrialisation (ca. 1800-2000).

Examples of substances that have had profound effects on ecological thinking and on legislation, and which would be welcome candidates for analysis using this kind of 'biographical approach,' are: Arsenic, lead, mercury, cadmium, nitrates, cyanides, sulphur dioxide, radioactive substances, DDT and other halocarbons (including dioxins), aniline and aromatic amines, benzene, azo dyes, vinyl chloride, CO₂, PCB's, and CFC's.

Of course, papers on other important cases are also most welcome!

In all cases, we prefer papers having a global or at least an international outlook; national overviews could certainly also be of great value. However, studies which have a regional or local focus are unsuitable in the context of this workshop. Since the approach to this topic is interdisciplinary, chemists, toxicologists, historians of science and medicine, environmental historians, sociologists and scholars, active in environmental organisations, etc., are all invited to participate and to contribute a paper.

Papers that satisfy the final reviewing procedure will be published in a volume with the working title *Hazardous chemicals: Agents of risk and change (1800-2000)*. Papers should be no longer than 10.000 words. The conference language will be English. The Rachel Carson Center will cover the travel cost and accommodation expenses for all participants invited to deliver a paper. The conference will take place in the Kerschensteiner Kolleg of the Deutsches Museum in Munich.

For the present we would like those interested in participating in the workshop to forward an abstract of the proposed paper, of approximately 600-800 words, as well as a CV. Please send these documents to the three organizers of the workshop:

Ernst Homburg, e.homburg@maastrichtuniversity.nl

Elisabeth Vaupel, e.vaupel@deutsches-museum.de

Paul Erker, Paul.Erker@carsoncenter.lmu.de, before 1 July 2011.

Papers will be pre-circulated and should be received no later than 1 February 2012.

26 May 2011

ICA Pre-Conference: Mediating War and Technology

Westin Boston Waterfront

CFP- Deadline **15. November 2011**

This ICA pre-conference brings together communication and history scholars for an exchange of ideas concerning war, technology, media, and history. War and technology are established themes in the fields of history and communication, though hoped-for connections between scholars in both fields have been slow in coming. Careful attention to how historical

methods can assist communication scholars in their understanding of these broad themes will offer to pre-conference attendees and presenters alike valuable tools for more thoroughly working history into the field of communication. At the same time, historians will gain new insight into archival texts through the application of communications theory and methodology, leading to exciting developments in both fields. The pre-conference will feature invited speakers from both fields. Submitted papers should connect with ideas related to the history of war and technology. The following illustrations of topics suggest—but are not intended to limit—topics suitable for paper submissions:

- The role of recording media (including photography, audio technology) in chronicling atrocity and war;
- The history of war journalism, as it relates to issues in the history of technology;
- The history of information warfare;
- The history of the study of communication, as affected by war and technology;
- Considerations of transportation as related to the history of war and technology;
- New media and war, including perspectives on surveillance;
- The changing roles of technology in the history of battlefield censorship;
- Media technology as a variable in home-front morale;
- Geopolitical advantage as related to media developments;
- The role of military initiatives and investment in the evolution of civilian media technology;
- The international circulation of propaganda in wars hot and cold; and
- Comparative studies of conflict, technology and media

We also encourage multi-media presentations and other non-traditional scholarly formats that explore preconference themes in novel ways.

Abstracts of 300 words should be submitted no later than 15 November 2010.

Send abstracts to David Park at: park@lakeforest.edu.

The pre-conference will take place on Thursday, 26 May 2011, at the Westin Boston Waterfront, the site of the ICA conference.

Organiser:

Sharrona Pearl, the Annenberg School for Communication, University of Pennsylvania
Jefferson Pooley, Muhlenberg College

David W. Park, Lake Forest College, park@lakeforest.edu.

3 - 5 June 2011

Jahrestagung der Gesellschaft für Technikgeschichte (GTG)/ Annual Meeting of the German Society for the History of Technology GTG

Berlin

CFP – Deadline **6 November 2010**

The GTG calls for posters to present them on their next meeting; the posters will be evaluated and awarded. A call for papers for this conference will be published soon. If you want to submit a *poster* please contact Stefan Krebs, Eindhoven University, s.krebs@tue.nl.

28 November – 2 December 2011

Engaging Society in Conservation. 25th International Congress for Conservation Biology

Christchurch, New Zealand

CFP – Deadline **10 December 2010**

Proposals from the social sciences greatly encouraged!

The call for proposals for symposia, workshops, and short courses is now open for the 25th International Congress for Conservation Biology. Biodiversity around the world continues to decline at an ever-increasing pace, yet much of society carries on business as usual. How can conservation biologists engage with society to achieve positive outcomes for conservation without compromising our scientific rigor or integrity?

For additional information please visit www.conbio.org/2011 or contact the scientific program committee at 2011@conbio.org.

III. Fellowships and Awards

2011-2012 Lemelson Center Fellowships, Travel to Collections Awards

Deadlines for application **30 November 2010 / 15 January 2011**

The Lemelson Center's Fellowship Program and Travel to Collections Awards support projects that present creative approaches to the study of invention and innovation and draw upon the holdings of the Archives Center and curatorial divisions at the National Museum of American History. Projects may include, but are not limited to, historical research and documentation projects resulting in publications, exhibitions, educational initiatives, and multimedia products. Both programs provide access to the Smithsonian's vast artifact and archival collections, as well as to the expertise of the Institution's research staff. The Center offers fellowships and travel grants to pre-doctoral graduate students, post-doctoral scholars, and other professionals who have completed advanced training.

The Archives Center holds more than 20,000 feet of archival materials. The collections are particularly strong in documenting the history of technology, invention, and innovation in the nineteenth and twentieth centuries. Both individuals and companies are documented in subject areas including railroads, pianos, television, radio, plastics, ivory, and sports equipment. One of the largest collections is the Western Union Telegraph Company

Records, ca. 1840-1994. Other collections of significance include the Earl S. Tupper Papers, documenting the inventor Tupper, and his invention, Tupperware; the Darby Windsurfing Collection, 1946-1998, documenting the invention of the sailboard; and the Records of Small Beginnings, Inc., a medical supply company that designs, invents, manufactures, and distributes products for premature infants. For a comprehensive list of Archives Center collections, see <http://americanhistory.si.edu/archives/d-10.htm>.

The Lemelson Center Fellowship Program annually awards 2 to 3 fellowships to qualified researchers. Fellowship tenure is based on the applicants' stated needs (and available funding) up to a maximum of ten weeks. Fellows are expected to reside in the Washington, D.C. area, to participate in the Center's activities, and to make a presentation of their work at the museum. Stipends for 2011-2012 are \$575/week for pre-doctoral fellows and \$870/week for post-doctoral and professional fellows. Applications will be accepted from 1 October 2010 thru 14 January 2011 and notifications will be made by 15 April 2011. Fellows can begin their residence at the museum on or after 1 June 2011. For application procedures and additional information, please see http://invention.smithsonian.org/resources/research_fellowships.aspx. All applicants are required to consult with the fellowship coordinator prior to submitting a proposal - please contact historian Eric S. Hintz, Ph.D. at +1 202-633-3734 or hintze@si.edu.

The Lemelson Center Travel to Collections Program annually awards 4 to 5 short-term travel grants to encourage the use of its invention-related collections. Awards are \$150 per day for a maximum of 10 business days and may be used to cover transportation, living, and reproduction expenses. Only applicants who reside or attend school beyond commuting distance of the National Museum of American History are eligible for this program. Awards may not be used to extend other Smithsonian appointments. Only one award can be offered to a visitor within a twelve-month period. Applications will be accepted from 1 October 2010 thru 30 November 2010 and will be announced by mid-December 2010. Recipients must commence their research at the museum within one year of being notified of the award. Recipients are asked to submit a short report following their research and provide the Center with a copy of any publications resulting from their funded research. For application procedures and additional information, please see http://invention.smithsonian.org/resources/research_travel.aspx. All applicants are required to consult with the travel award coordinator prior to submitting a proposal - please contact archivist Alison Oswald at +1 202-633-3726 or oswalda@si.edu.

For more information please visit:

http://www.invention.smithsonian.org/resources/default_research.aspx

Application Deadlines:

Travel to Collections Awards: November 30, 2010

Fellowships: January 15, 2011

IV. Recently Published Books

Dienel, Hans-Luidger / Schiedt, Hans-Ulrich (eds.): Die moderne Strasse – Planung, Bau und Verkehr vom 18. bis zum 20. Jahrhundert, Campus Verlag, New York, Frankfurt 2010.

The authors of this book analysed the role of roads for traffic systems since the 18th century. New opportunities of trawling were discussed as well as concurrence/cooperation of road based transportation and railway companies, the development of road construction as well as of logistics. Contributions in English and German.

Friedel, Robert / Israel, Paul, with Finn, Bernard S.: Edison's Electric Light. The Art of Invention (1986). Johns Hopkins University Press, Baltimore 2010.

Friedel's and Israel's study of the invention of the electric light and Alva Edison's contributions to this process is dedicated not only to technology but to the systems behind it: the authors analysed as well the organization of research in industry and contexts of business and politics in which the invention was carried out. The well known book was made available again as paper back by Johns Hopkins University Press.

Kornwachs, Klaus (ed.): Technologisches Wissen. Entstehung, Methoden, Strukturen. = acatech diskutiert, Deutsche Akademie der Technikwissenschaften. Springer, Berlin, Heidelberg 2010.

The contributors to this interdisciplinary book analysed questions of the development, methodology, and structure of knowledge of technology. The aim is to bring forward systematical approaches to the background of engineering sciences.

Levin, Miriam / Forgan, Sophie / Heßler, Martina / Kargon, Robert H. / Low, Morris: Urban Modernity. Cultural Innovation in the Second Industrial Revolution. MIT Press, Cambridge, MA, London 2010.

The book examines the construction of an urban-centered, industrial-based culture – an entirely new social reality based on science and technology. The authors show that this invention of modernity was brought about through the efforts of urban elites – businessmen, industrialists, and officials – to establish new science- and technology-related institutions. International expositions, museums, and other such institutions and projects helped stem the economic and social instability fueled by industrialization, projecting contemporary developments as part of a steady continuum of scientific and technical progress. The authors analysed these developments in Paris, London, Chicago, Berlin, and Tokyo from 1870 to 1930.

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