

ICOHTEC

NEWSLETTER



www.icohtec.org

N° 64, July 2010

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,

Our joint meeting of TICCIH, work lab, and ICOHTEC in Tampere will be attended by 330 participants (plus accompanying persons) from 40 countries. In total 270 presentations will be delivered in 70 sessions. Please find the final program and an electronic version of the book of abstracts on the conference main website <http://www.tampere.fi/industrialpast2010/>

In order to inform the members about the International Committee for the Conservation of the Industrial Heritage (TICCIH) and the International Committee for the History of Technology (ICOHTEC) the Newsletter publishes short articles about both societies.

You might be interested to know about the development of the history of technology in Finland. Thus the newsletter offers a bibliography of Finnish books and articles in the history of technology, assembled by the *Finnish Society for the History of Technology*. In 2007 Timo Myllyntaus, Tiina Männistö, and Riikka Jalonen (University of Turku) published a report about the development of the history of technology in Finland in the ICOHTEC Newsletter; it is available on our website: <http://www.icohtec.org/publications-reports.html>. A brand new article on this subject will be included in the Tampere conference bags: the journal *Tekniikan Waiheita, Finnish Quarterly for the History of Technology*, has published a special issue 2/2010 under the title: "Finnish Research on the History of Technology". It includes an article

by Petri Paju on "The Finnish Society for the History Technology and its journal Tekniikan Waiheita: Milestones, 1980-2010", pp. 5-11.

The conference report of this newsletter is dedicated to a topic which was discussed on ICOHTEC meetings since many years: music, sound and technology. The conference "Hearing Modern History: Auditory Cultures in the 19th and 20th Century" took place at Berlin Free University in June.

It will be a pleasure to meet you in Tampere!

Best wishes

Yours Stefan Poser

Contents

I. What is the International Committee for the Conservation of the Industrial Heritage, TICCIH?	p. 2
II. What is the International Committee for the History of Technology, ICOHTEC?	p. 3
III. Bibliography of Finnish Histories of Technology	p. 5
IV. Conference Reports	p. 16
V. Conference Announcements	p. 20
VI. Miscellaneous	p. 27
VII. Recently Published Books	p. 28

I. What is the International Committee for the Conservation of the Industrial Heritage, TICCIH?

The International Committee for the Conservation of the Industrial Heritage, TICCIH, is an international society dedicated to the study of industrial archaeology and the protection, promotion and interpretation of the industrial heritage. It is ICOMOS' scientific committee for industrial heritage.

TICCIH's period of interest extends forward from the start of the Industrial Revolution and generally includes the material remains of industry - industrial sites, buildings and architecture, plant, machinery and equipment - as well as housing, industrial settlements, industrial landscapes, products and processes, and documentation of the industrial society. Members of TICCIH come from all over the world and include historians, conservators, museum curators, researchers, students, teachers, heritage professionals and anyone with an interest in the development of industry and industrial society.

TICCIH was founded after the *First International Conference for the Conservation of the Industrial Heritage* in Ironbridge, England, in 1973. It holds a triennial conference of which

that in Italy in 2006 is the thirteenth. It is organized through a Board and the President who are chosen by the National Representatives of the various national committees or associated societies. It has both individual members and national societies such as the North American Society for Industrial Archaeology (SIA), the French Comité d'information et de liaison pour l'archéologie, l'étude et la mise en valeur du patrimoine industriel (CILAC) or the British Association for Industrial Archaeology (AIA). Members receive the quarterly *TICCIH Bulletin* and a discount for the twice yearly journal *Patrimoine de l'industrie/Industrial Patrimony*. TICCIH has been ICOMOS's specialist adviser on industrial heritage since 2000 and assesses industrial sites for the World Heritage List.

For more information please visit TICCIH's homepage <http://www.mnactec.cat/ticcih/>

II. What is the International Committee for the History of Technology, ICOHTEC?

In the turbulent year of 1968 ICOHTEC was founded to pursue primarily two tasks. The first task has been to promote research, teaching and publishing in the field of the history of technology and particularly to gain deeper understanding on the interaction of society and technology. The second task has been to encourage and increase international discussion on the history of technology, especially between countries with different kinds of political systems and divergent historical experiences. These are still relevant objectives even today, although 'iron curtains' or other barriers of the Cold War are no longer preventing the exchange of information between East and West. However, even globally historians of technology are such a small group that they have difficulties in keeping contacts with their scattered colleagues and pick up relevant data from the huge flow of information that is now buzzing round the world.

ICOHTEC spreads the word about the discipline, because the history of technology is not very well known by the general public. ICOHTEC has various advantages in order to serve as a vanguard in informing the public and students of various disciplines what the historians of technology are actually doing and what they are aiming at. The openness and flexibility of ICOHTEC give the organisation a chance to provide forums to fresh ideas and approaches as well as to novel tracks of research. Accepting the diversity of research has been one of ICOHTEC's founding premises. The diversity of approaches, methods and research themes is another advantage of our organisation.

ICOHTEC was founded as an international organisation, and it has grown from the West-East détente cooperator to an independent global actor with several international functions. This genuine international character is certainly one of ICOHTEC's strengths: no single country dominates it. In this respect it is unique in its field.

From its very beginning, ICOHTEC has been based on institutionalised transnational interface. Already in the early years, it gained a position as a Scientific Section within the Division of the History of Science of the International Union of the History and Philosophy of Science and Technology (IUHPST /DHST). It still has interaction with this UNESCO related network, which provides huge opportunities for contacts, information and activities. All of them have been necessary for developing ICOHTEC's transnational cooperation.

For decades the main activity of ICOHTEC has been organising its renowned symposia, which have taken place almost every year. They have been successful and able to attract new and loyal members. The attendance in these meetings has varied between 80 and 400 during the past three decades. All five continents are represented in our membership, while countries industrialised before 1939 constitute the overwhelming majority.

For a long time, ICOHTEC has been based mainly on individual membership, although it has institutional members as well. Annual subscription is 40\$ or 30€ for individuals and 100\$ or 75€ for institutions. Subscription includes the Newsletter on our website (12 volumes per annum) and the ICOHTEC's refereed year-book ICON, which is published as a printed volume of about 200 pages once a year and contains mainly, but not exclusively, revised versions of papers given at ICOHTEC symposia.

Forty years ago ICOHTEC was established to build bridges between the East and West. Still it is important to encourage the historians of technology in Eastern Europe and Asia, and support their work, participation in international meetings and cooperation with Western colleagues. Yet, in this globalised world we need contacts also with other continents – Americas, Africa and Australia – because we are interested in the history of technology of all continents.

ICOHTEC continues to be a forum for discussing the topics in the history of technology. In addition, it also hopes to devote special attention to the discussion of present-day problems of technology and their relationship to socio-economic, political, environmental, and cultural issues.

For more information please visit ICOHTEC's homepage <http://www.icohtec.org/index.html>.

III. Bibliography of Finnish Histories of Technology

Tekniikan historian seura / The Finnish Society for the History of Technology /
Teknikhistoriska Samfundet

The bibliography is dedicated to books and articles in the History of Technology by Finns or about Finland, published in foreign languages (with the exception of Swedish and Finnish).

Aav, Marianne, Brännback, Ebba & Viljanen, Eeva (eds.): Timo Sarpaneva collection.
Designmuseo, Helsinki 2006.

Aav, Marianne and Nina Stritzler-Levine (eds.): Finnish Modern Design: Utopian Ideals and
Everyday Realities, 1930-97, Yale University Press. 2000.

Aer, Anneli: Patents in Imperial Russia. A History of the Russian Institution of Invention
Privileges under the Old Regime. *Annales academiae scientiarum fennicae*, Helsinki
1995.

Ahvenisto, Inkeri: "Technology, everyday working life and employer policy: Verla groundwood
and board mill community from the 1880s till the 1960s." *Tekniikan Waiheita* 28(2) 2010,
12–30.

Alameri, Mikko: Eisenbahnen in Finnland, Wien 1979.

Ampuja, Outi: "Towards an Artificial Soundscape?: Modern Soundscapes under Human
Design." *Icon. Journal of the International Committee for the History of Technology*,
vol.11, 2005, 79-94.

Ampuja, Outi: "Tolerance of noise as a necessity of urban life: Noise pollution as an
environmental problem and its cultural perceptions in the city of Helsinki." *Tekniikan
Waiheita* 28(2) 2010, 31–38.

Andersin, Hans E.: "The role of IBM in starting up computing in the Nordic countries." *History
of Nordic Computing*. Eds. Janis Bubenko Jr. & John Impagliazzo & Arne Solvberg. IFIP
WG 9.7 First Working Conference on the History of Nordic Computing (HiNC1), Norway
2003. Springer, New York 2005, 33–43.

Andersson, Lars Fredrik: *Bilateral Shipping and Trade: Swedish-Finnish Experiences in the
Post-war Period*, VDM Verlag Dr. Müller 2008.

Antila, Kimmo & Nenonen, Marko: Relief Works, The World Bank and Private Business:
Building Highways in Finland. *Scandinavian Economic History Review* 2/2000

Barraqué, B.; Juuti, P.S. & Katko, T.S.: "Urban water conflicts in recent European history.
Changing interactions between technology, environment and society". *Unesco-IHP* 2006,
18 p.

Bruun, Christer: *The Water Supply of Ancient Rome: A Study of Roman Imperial
Administration*. *Societas scientiarum Fennica*, Helsinki 1991.

Castells, Manuel & Himanen, Pekka: *The Information Society and the Welfare State: The
Finnish Model*. Oxford University Press, New York 2002.

Castrén, P. & Huldén, B. (ed.): *Ancient Technology*. Finnish Institute at Athens. Symposium
held 30.3 - 4.4 1987. *Tekniikan museon julkaisu* V, *Tekniikan museo*, Helsinki, 1990.

Christiernin, Georg: *Finland's Water-power and Electrification*, Helsingfors 1924.

- Haarhoff, Johannes; Juuti, Petri & Mäki, Harri.: "A short comparative history of wells and toilets in South Africa and Finland". TD: The Journal for Transdisciplinary Research in Southern Africa, vol. 2 no. 1, July 2006, 103-130. Also: <http://www.td-sa.net/node/23>
- Hakosalo, Heini: The Brain under the Knife: Serial Sectioning and the Development of Late 19th-Century Neuroanatomy. Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences 37 (2006): 172-202.
- Harve, Paavo and Bror Nordqvist: National Resources and Fuels and Water Power in Finland, The Transmission of the Fourth World Power Conference, 1950, vol. 1, London 1952, pp. 183-93.
- Heikkonen, Esko: Reaping the Bounty: McCormick Harvesting Machine Company Turns Abroad, 1878-1902. Finnish Historical Society, Helsinki 1995.
- Heinonen, Mikko & Reunanen, Markku: "Preserving Our Digital Heritage: Experiences from the Pelikonepeijoonit Project." Impagliazzo, John & Järvi, Timo & Paju, Petri (eds.): History of Nordic Computing 2. Second IFIP WG 9.7 Conference, HiNC2, Turku, Finland, August 21-23, 2007, Revised Selected Papers. IFIP Advances in Information and Communication Technology 303. Springer, Berlin 2009, 55-64.
- Herranen, Timo & Myllyntaus, Timo: "Effects of the First World War on the Engineering Industries of Estonia and Finland," Scandinavian Economic History Review (Bergen) vol. 32 (1984) no 3, 121-142.
- Hietala, Marjatta: Services and Urbanisation at the Turn of the Century. The Diffusion of Innovation. Finnish Society for History, Helsinki 1987.
- Holmberg, Peter: The History of Physics in Finland, 1828-1918. (Translated from the Swedish manuscript by Pearl Lönnfors.) Societas scientiarum Fennica. Helsinki 1992.
- Holopainen, Eero: "Erik Herbert Palmén in Memoriam." Erik Palmén 1898–1985. University of Helsinki, Department of Meteorology. Mitteilungen – Papers No. 135. Reprinted from Geophysica 21, N:o 1. Helsinki 1985.
- Huhtamo, Erkki and Jussi Parikka (eds) Media Archaeologies. University of California Press, Berkeley, forthcoming 2010/2011.
- Hukka, Jarmo J.; Juuti, Petri S.; Katko, Tapio S. & Seppälä, Osmo T.: "Many Ps Needed For Sustainable Water Services -Expansion of the Scope of Public-Private Partnerships". Public Works Management & Policy, vol. 11 No. 2, October 2006, 1-6
- Huldén, B., K. Larsen & O. Pedersen: "Aage Gerhard Drachmann (1891-1980). A bibliography", Centaurus, 28 (2) pp. 102-107, 1985.
- Huldén, Bjarne (ed.), Ancient Technology, The Museum of Technology and Finnish Institute at Athens, Helsinki 1990.
- Impagliazzo, John & Järvi, Timo & Paju, Petri (eds.): History of Nordic Computing 2. Second IFIP WG 9.7 Conference, HiNC2, Turku, Finland, August 21-23, 2007, Revised Selected Papers. IFIP Advances in Information and Communication Technology 303. Springer, Berlin 2009.
- Irincheev, Bair and Delf, Brian: The Mannerheim Line 1920-39: Finnish Fortifications of the Winter War, Osprey Publishing 2009.

- Jordan, Terry G. and Kaups, Matti E.: *The American Backwoods Frontier: An Ethical and Ecological Interpretation (Creating the North American Landscape)*, The Johns Hopkins University Press, 1992.
- Juuti, P. & Katko, T.: *From a Few to All: long-term development of water and environmental services in Finland*. 2004, Pieksämäki. Also: Tampere University Press, ePublications - <http://tampub.uta.fi/tup/951-44-6250-5.pdf>
- Juuti, Petri & Katko, Tapio (eds., 2005). *Water, Time and European Cities History matters for the Futures*. <http://www.watertime.net>. European Commission, Contract No: EVK4-2002-0095.
- Juuti, Petri; Katko, Tapio; Mäki, Harri; Nyanchaga, Ezekiel Nyangeri; Rautanen, Sanna-Leena & Vuorinen, Heikki: *Governance in Water Sector: Comparing development in Kenya, Nepal, South Africa and Finland*. Tampere University Press, ePublications 2007. Also: <http://tampub.uta.fi/index.php?tiedot=168>
- Juuti P, Katko T & Rajala R. (eds.,2008): *Water: a Matter of Life - Long-term strategic thinking in water services*. Also Tampere University Press, ePublications: <http://tampub.uta.fi/tup/978-951-44-7222-0.pdf>
- Juuti, P.S.; Katko, T.S. & Vuorinen, H.S. (eds.,2007): *Environmental History of Water - Global view on community water supply and sanitation*. IWA Publishing, London.629p..
- Juuti, P. (text) & Wallenius, K. (translation and layout): *Brief History of Wells and Toilets / Kaivot ja käymälät (In English and Finnish)*. 2005, Pieksämäki. Also: Tampere University Press, ePublications: <http://tampub.uta.fi/tup/951-44-6251-3.pdf>
- Juuti, Petri S.; Katko, Tapio S.; Rajala, Riikka P.; Seppälä, Osmo T.: "Evolution of water and sewerage services in Hämeenlinna, Finland, 1800-2000". *E-Water*, http://www.ewaonline.de/journal/2007_06.pdf
- Juuti, Petri & Mäki, Harri: "Durban and Porvoo - Governing Water Supply in South Africa and Finland". *E-Water journal*. 2009. 21 pages.
- Juuti, P.S.; Nygård H. & Katko T.S.: "Water and Sanitation Services in History: Motivations, Expectations and Experiences". Tvedt T. & Ostigaard T. (eds.) *A History of Water. Series II, Volume 1: Ideas of water from Ancient Societies to the Modern World..* London & New York: IB Tauris, 2010, 231-249.
- Kaataja, Sampsa: "University researchers developing technology to commercial markets: A brief review to the 20th century Finland." *Tekniikan Waiheita* 28(2) 2010, 39–47.
- Katko T. & Juuti P. 2007. *Watering the city of Tampere from the mid-1800s to the 21st century*. Tampere Water & International Water History Association. Also: www.tampere.fi/tiedostot/5pxlRx6kV/Watering_the_City_of_Tampere.pdf
- Katko, Tapio S.; Juuti, Petri S. & J. Tempelhoff: "Water and the City", pp. 229-250 *Environment and History*, Volume 16, No.2, May 2010.
- Katko, Tapio S.; Juuti, Petri S. & Rajala, Riikka P.: "Writing the history of water services" (2008). *Physics and Chemistry of the Earth*, <http://www.sciencedirect.com/science/article/B6X1W-4SX9G0F-1/2/945b31783cc43411ff189fb86a7ab0bc>
- Kaunonen, Gary: *Challenge Accepted: A Finnish Immigrant Response to Industrial America in Michigan's Copper Country*, Michigan State University Press, May 1 2010.

- Kauppinen, Veijo: Entwicklung der Automatisierung der Produktion in Finnland - Beitrag zur Strukturentwicklung. Tagungsunterlagen zum 2. Beckmannkolloquium. 03.-04.06.1994 Wismar, BRD
- Kauppinen, Veijo: Masina- ja metallitööstuse arenguteed Euroopas (Development of engineering industries in Europe). Instrutech '95, Esimene rahvusvaheline tööriistade, tööstusseadmete ja tööstustehnoloogia mess baltikumis 28.-30. Novembril 1995, 4-12.
- Kauppinen, Veijo: Armament as the catalyst of Production Engineering. ICOHTEC 2000 Praha 22. - 25.08.2000 seminaarijulkaisu, referaatti p. 136 (jaettu esitys 5 s.).
- Kauppinen, Veijo: Armament as the Catalyst of Production Engineering - a Few Examples. The 28th Annual ARA Congress, American-Romanian Academy of Arts and Sciences, "Constantin Brancusi" University of Targu-Jiu, Romania June 3rd-June 8th, 2003. 4 p.
- Kauppinen, Veijo: The First World War - a Gateway for Finnish Machine Tool Exports to Russia. Presented in XXX Symposium of the International Committee for the History of Technology ICOHTEC 2003 August 21st-26th, 2003 St Petersburg-Moscow, Russia 9 p. Abstract in the seminar proceedings, 71-72.
- Kauppinen, Veijo: From Rotating Files to parallel kinematics - a Treatise on Milling and Milling Machines. XXXI Symposium of the International Committee for the History of Technology ICOHTEC 2004, August 17th - 22nd 2004, Bochum, Germany 9 p.
- Kauppinen, Veijo: Instrutec päris algusest tänaseni välja - Soome osaleja silme läbi nähtuna. Inseneeria Detsember 10/2009, 42-43.
- Kero, Reino: American Technology in Finland before World War I. -Turun Historiallinen Arkisto 42: Studia Historica in Honorem Vilho Niitemaa hänen 70-vuotispäivänään 16.3.1987. Toim. Eero Kuparinen. Turun Historiallinen Yhdistys, Turku 1987, 157-169.
- Kunnas, Jan & Myllyntaus, Timo: "Anxiety and Technological Change - Explaining the Inverted U-curve of Sulphur Dioxide Emissions in late 20th century Finland." Ecological Economics, vol 69, no. 7, 2010, 1587-1593
- Kunnas, Jan & Myllyntaus, Timo: "Postponed Leap in Carbon Dioxide Emissions: Impacts of Energy Efficiency, Fuel Choices and Industrial Structure on the Finnish Energy Economy, 1800 - 2005," Global Environment, no. 3, 2009, 154 - 189.
http://www.globalenvironment.it/KUNNAS_MYLLYNTAUS.pdf
- Kunnas, Jan & Myllyntaus, Timo: "Anxiety and technological change - Explaining the decline of sulphur dioxide emissions in Finland since 1950," R. Bleischwitz, P. Welfens and Z. Zhang (eds.) Sustainable Growth and Resource Productivity - Economic and Global Policy Issues. Greenleaf Publisher 2009.
- Kunnas, Jan: "Potash, saltpetre and tar." Scandinavian Journal of History, vol 32, no. 3, 2007, 281 - 311.
- Kunnas, Jan: "Fire and fuels: CO2 and SO2 emissions in the Finnish economy, 1800-2005." Tekniikan Waiheita 28(2) 2010, 48-55.
- Kylliäinen, Mikko: "Lars Krogius Jr, the founder of the Finnish bicycle trade". van der Plas, Rob (ed.). Cycle History 15 - Proceedings of the 15th International Cycling History Conference. Van der Plas Publications, San Francisco 2005, 64-69.
- Kylliäinen, Mikko: "Student cap or felt hat? The image of early Finnish cyclists 1869-1890". In van der Plas, Rob, Oddy, Nicholas & Clayton, Nick. (eds.). Cycle History 18 -

- Proceedings of the 18th International Cycling History Conference. Van der Plas Publications, San Francisco 2008, 9-15.
- Kylliäinen, Mikko: "Finlande". Besse, Nadine & Henry, Anne (eds.). *Le vélocipède - objet de modernité 1860-1870*. Musée d'Art et d'Industrie, Saint-Etienne 2008, 220-225.
- Kärki, Maija; Immonen, Visa & Taavitsainen, J.-P. 2006: "Welding theory with tourism: Past and present of industrial archaeology in Finland". *Industrial Archaeology Review* 28:1, 47–58.
- Laurén, Uta: *Tapio Wirkkala für Rosenthal, Was die Funktion fordert, die Produktion verlangt und der Markt wünscht*. Schriftenreihe des Finnland-Instituts in Deutschland, Berlin, Band 8, Berliner Wissenschaftsverlag, Berlin 2007.
- Laurila, Juha, *Managing Technological Discontinuities: The Case of the Finnish Paper Industry (Management of Technology and Innovation)*, London: Routledge 1998.
- Lemola, Tarmo (2002a). "Convergence of national science and technology policies: the case of Finland." *Research Policy*, vol. 31, 8–9/2002, 1481–1490.
- Lovio, Raimo: *Evolution of Firm Communities in New Industries - The Case of the Finnish Electronics Industry*. Acta Universitatis Oeconomicae Helsingiensis Series A:92. The Helsinki School of Economics and Business Administration, Helsinki 1993.
- Manninen, Ari T.: *Elaboration of NMT and GSM standards: From idea to market*. Department of History. Academic Dissertation. University of Jyväskylä, Jyväskylä 2002.
- Michelsen, Karl-Erik & Kuisma, Markku: "Nationalism and Industrial Development in Finland." *Business and Economic History*. Second Series, vol. 21, 1992, 343–353.
- Michelsen, Karl-Erik: *Global innovator : the story of Vaisala*. Vaisala Oy, Vantaa 2006.
- Mikkonen, Tuija: *Corporate Architecture in Finland in the 1940s and 1950s - Factory Building as Architecture, Investment and Image*. Department of Art History. Academic Dissertation. Finnish Academy of Science and Letters, Helsinki 2005.
- Myllyntaus, Timo: "Hydro- and Thermal Power in Finnish Industry in the Nineteenth and Twentieth Centuries," *Scandinavian Journal of History (Stockholm)* vol. 8 (1983) no 2, 109-118.
- Myllyntaus, Timo (1985a): "Initial Electrification in Three Main Branches of Finnish Industry, 1882–1920," *Scandinavian Economic History Review (Bergen)* vol. 33 (1985) no 2, 122-143.
- Myllyntaus, Timo (1985b): "Survey on Recent Finnish Research on the History of Technology," *Polhem, Tidskrift för teknikhistoria (Göteborg)* årg. 3 (1985) no 1, 47-50.
- Myllyntaus, Timo: "The Efficiency of Electricity Supply in Estonia, Finland and Sweden, 1920–1938," *International Productivity Comparisons and Problems of Measurement, 1750 -1939*, Ed. P. K. O'Brien, The Ninth International Economic History Congress in Bern 1986, Section B-6, Zürich 1986, 96-105.
- Myllyntaus, Timo (1989a): *Finnish Industry in Transition, 1885 – 1920, Responding to Technological Challenges*, Helsinki 1989.
- Myllyntaus, Timo (1989b): "Finland: The Introduction of Hydraulic Turbines, 1840 – 1940," *Innovation technologique et civilisation*, Editions du CNRS. Paris: Commission internationale d'histoire des mouvements sociaux et des structures sociales 1989, 113-130 (Résumé en français, 126-127).

- Myllyntaus, Timo: "The Finnish Model of Technology Transfer." Teoksessa *The Gatecrashing Apprentice. Industrialising Finland as an Adopter of New Technology*. Helsingin yliopiston talous- ja sosiaalhistorian laitoksen tiedonantoja, no 24. Helsinki 1990, 98–132. Julkaistu alun perin Myllyntaus, Timo: "The Finnish Model of Technology Transfer." *Economic Development and Cultural Change*, vol. 38 3/1990, 625–643. Julkaistu myöhemmin ETLA:n sarjassa *Eripainos/Reprint no 141*, Helsinki, Elinkeinoelämän tutkimuslaitos 1990.
- Myllyntaus, Timo (1991a): *Electrifying Finland. The Transfer of a New Technology into a Late Industrialising Economy*. ETLA – The Research Institute of the Finnish Economy. Series A15. Macmillan Academic and Professional Ltd, London 1991.
- Myllyntaus, Timo (1991b): *The Transfer of Electrical Technology to Finland, 1870 - 1930. Technology and Culture*, vol 31, no. 2, 1991, 293 - 317.
- Myllyntaus, Timo (1992a): *The Gatecrashing Apprentice. Industrialising Finland as an Adopter of New Technology*, Institute of Economic and Social History, Communications no 24. Helsinki: University of Helsinki, 1st edition 1990; 2nd edition 1992, 134 pp.
- Myllyntaus, Timo (1992b): *Technology transfer and the contextual filter in the Finnish setting. Transfer channels and mechanisms in an historical perspective*. ETLA, Keskustelunaiheita, Discussion papers. ETLA, Helsinki 1992 – Published later in the book *Mastering Technology Diffusion - The Finnish Experience*, Ed. Synnöve Vuori ja Pekka Ylä-Anttila, ETLA-Series B 82, Helsinki: The Research Institute of the Finnish Economy 1992, pp. 195-251.
- Myllyntaus, Timo (1992c): "The Role of Industry in the Electrification of Finland," *Électricité et électrification dans le monde. Actes du deuxième colloque international d'histoire de l'électricité*, Ed. Monique Trédé, Paris: Association pour l'histoire de l'électricité en France 1992, pp. 235-249.
- Myllyntaus, Timo (1992d): "Technological Change in Finland," *Technology and Industry, A Nordic Heritage*, Eds. Jan Hult and Bengt Nyström, Nantucket: Science History Publications/USA 1992, 29-52.
- Myllyntaus, Timo: "Les réseaux d'alimentation en électricité dans les pays nordiques," *Bulletin d'histoire de l'électricité*, no 22, Décembre 1993, Paris: Association pour l'Histoire de l'Electricité en France, 85-98.
- Myllyntaus, Timo: "Electricity Supply Systems in the Nordic Countries," *Electricity Generation and Supply: Regulation, Market and Competition. International Comparisons*, Ed. Alan Beltran and Henri Morsel, *The Proceedings of the Eleventh International Economic History Congress*, vol. B-15, Milan: Università Bocconi 1994, pp. 73-84.
- Myllyntaus, Timo (1995a): "Kilowatts at Work: Electricity and Industrial Transformation in the Nordic Countries," *Nordic Energy Systems. Historical Perspectives and Current Issues*, Eds. Arne Kaijser and Marika Hedin, Canton, Mass.: Science History Publications/USA 1995, 101-128.
- Myllyntaus, Timo (1995b): "Patenting and Industrial Performance in the Nordic Countries, 1870 – 1940," *Cross-Country Comparisons of Industrialisation in Small Countries, 1870 – 1940*, Ed. Olle Krantz, *Occasional Papers in Economic History no 2*, Umeå: Umeå University 1995, 168-191.

- Myllyntaus, Timo (1996a): "'The Best Way to Pick Up a Trade,' Journeys Abroad by Finnish Technical Students, 1860–1940." *ICON. Journal of the International Committee for the History of Technology*, vol. 2, 1996, 138–163.
- Myllyntaus, Timo (1996b): "The History of Technology in Finland," *SHOT Newsletter, The Society for the History of Technology*, (January 1996) no 70 n.s., pp. 13-15.
- Myllyntaus, Timo: "Electrical Imperialism or Multinational Cooperation? The Role of Big Business in Supplying Light and Power to St. Petersburg before 1917," *Business and Economic History*, by the Business History Conference (Williamsburg, USA), vol. 26 (Winter 1997) no 2, 540-549.
- Myllyntaus, Timo: "Neglected Potential? The Emergence of the Finnish Chemical Industry, 1900–1939," *Determinants in the Evolution of the European Chemical Industry, 1900–1939: New Technologies, Political Frameworks, Markets and Companies*, Eds. Antony S. Travis, Harm G. Schröter, Ernst Homburg and Peter J. T. Morris, Series: Chemists and Chemistry vol. 16, Dordrecht: Kluwer Academic Publishers 1998, 341-360.
- Myllyntaus, Timo: *Phases of a Network. From a Breakthrough to a National System*, Helsinki: Fingrid Oyj, 1999, 64 pp.
- Myllyntaus, Timo (2003a): "Discovering Switzerland. Internationalisation among Nordic Students of Technology prior to World War II." *Travels of Learning. A Geography of Science in Europe*. Eds. Ana Simões, Ana Carneiro & Maria Paula Diogo. Boston Studies in the Philosophy of Science. Kluwer Academic Publishers, Amsterdam 2003, 299–328.
- Myllyntaus, Timo (2003b): "Technology and the Environment: Searching for their Nexus in History," *Tekniikan Waiheita – Teknik i Tiden*, vol. 21 (2003) no 2, 5-15.
- Myllyntaus, Timo: "Foreign Models and National Styles in Teaching Technology in the Nordic Countries," *La formation des ingénieurs en perspective. Modèles de référence et réseaux de médiation – XVIIIe–XXe siècles*, Textes réunis par (eds.) Irina Gouzévitch, André Grelon & Anousheh Karvar, Collection Carnot, Rennes: Presses Universitaires de Rennes 2004, 141-152.
- Myllyntaus, Timo: "A Line Drawn in the Water, Historical Perspectives on Technology and the Environment," *Public Works, Management & Policy, Research and Practice in Transportation, Infrastructure, and the Environment*, Sage Publishing Co, vol. 9 (April 2005) no 4, 278-286.
- Myllyntaus, Timo (2008a): "Foreign Investments in Finnish Electricity Supply Utilities, 1884 – 1936," *Revista de Historia: Transportes, Servicios y Telecomunicaciones* vol. 14 (2008), Madrid, Spain, 120-143.
- Myllyntaus, Timo (2008b): "'As soon as there are sockets in the walls, electricity will take care of everything,' Popularising electricity in Finland, 1870 – 1960," *Technik zwischen Artes und Arts / Technology between Artes and Arts in History*, Festschrift für Hans-Joachim Braun, hrsg./eds. Reinhold Bauer, James Williams and Wolfhard Weber, Cottbusser Studien zur Geschichte von Technik, Arbeit und Umwelt, Band 31, Münster: Waxmann Verlag 2008, 87-102.
- Myllyntaus, Timo: "ICOHTEC: Today and Tomorrow," *International Committee for the History of Technology, 1968 – 2008, 2nd, enlarged edition*, Ed. Wolfhard Weber, Bochum: ICOHTEC 2009, 74-88.

- Nykänen, Panu: Research into Fuel and Lubrication Oil Substitutes in Finland. Traffic, Needs, Roads, perspectives on the Past, Present and Future of Roads in Finland and the Baltic Area. Tapani Mauranen Ed. Finnra 200 v. 1999.
- Nykänen, Panu: Gustaf Komppa 1867–1949. Teknillistieteelliset akatemit FACTE. F.G. Lönnbergin kirjapaino, Helsinki 2003.
- Nykänen, Panu. Around the Roll. A century of Finnish paper machine and papermaking technology. STH publications N:o 9. Gummerus kirjapaino Oy, Jyväskylä 2005. 316 pp.
- Nykänen, Panu: Turning the Wheel. The History of Helsinki University of Technology TKK. WSOY, Helsinki 2008. 72 pp., 2. edition 2009.
- Näränen, Pertti. "The Opportunity Lost and Found? European Regulation of Digital Television." Broadcasting & Convergence: New Articulations of the Public Remit, eds. Greg Lowe and Taisto Hujanen. Gothenburg: Nordicom 2003, 57-68.
- Oksa, Jukka: "How to be rural in the Information Age: The case of rural community network in a Finnish periphery." Ari Antikainen (ed). Transforming a Learning Society. The case of Finland. (2nd, expanded edition.) Bern: Peter Lang, 2007, 147-162. (Studien zur Erziehungswissenschaft).(1st edition 2005.)
- Oksa, Jukka: "Overcoming digital divide. Local lessons about transferring of models." Ari Antikainen, Päivi Harinen and Carlos Alberto Torres (2006, eds.): In from the Margins. Adult Education, Work and Civil Society. Sense Publishers, Rotterdam, The Netherlands 2006, 327-341.
- Paju, Petri: "A Failure Revisited: The First Finnish Computer Construction Project. The Establishing of a National Computing Center in Finland." History of Nordic Computing. Eds. Janis Bubenko Jr. & John Impagliazzo & Arne Solvberg. IFIP WG 9.7 First Working Conference on the History of Nordic Computing (HiNC1), Norway 2003. Springer, New York 2005, 79–94.
- Paju, Petri (2007b): "Revisiting the 1970s: The Finnish Computer project and what happened to state-run initiatives in computer-related research and business." History of Nordic Computing – HiNC2. Extended abstracts. Eds. Petri Paju & Nina Kivinen & Timo Järvi & Jouko Ruissalo. Turku Centre for Computer Science, General Publications no 42. Turku 2007, 41–42.
- Paju, Petri, Kivinen, Nina, Järvi, Timo and Ruissalo, Jouko (eds.): History of Nordic Computing - HiNC2. Extended abstracts. Turku Centre for Computer Science, General Publications no 42. Turku 2007.
- Paju, Petri: "National Projects and International Users: Finland and Early European computerization". IEEE Annals of the History of Computing. vol. 30, 4/2008, 77–91.
- Paju, Petri: "Computer Industry as a National task. The Finnish Computer Project and the question of state involvement in the 1970s." Impagliazzo, John & Järvi, Timo & Paju, Petri: History of Nordic Computing 2. IFIP AICT 303, 171–184. Springer, Berlin 2009.
- Paju, Petri: "The Finnish Society for the History of Technology and its journal Tekniikan Waiheita: Milestones, 1980–2010." Tekniikan Waiheita 28(2) 2010, 5–11.
- Paju, Petri: "Building 'Ilmarinen's Finland': computer construction as a national project in the 1950s." Tekniikan Waiheita 28(2) 2010, 56–65.

- Paju, Petri & Durnová, Helena: "Computing Close to the Iron Curtain: Inter/national Computing Practices in Czechoslovakia and Finland." *Comparative Technology Transfer and Society*. December 2009, vol. 7, no. 3, 303-322.
- Parikka, Jussi and Jaakko Suominen: "[Victorian Snakes? Towards A Cultural History of Mobile Games and the Experience of Movement](#)." *Game Studies* 1/2006.
- Parikka, Jussi: *Digital Contagions. A Media Archaeology of Computer Viruses*. Peter Lang: New York 2007.
- Parikka, Jussi: "Fictitious Viruses - Computer Virus in the Science-Fiction Literature of the 1970s." *SciFi in the Minds Eye: Reading Science Through Science Fiction*, ed. Margret Grebowicz. Open Court Publishing, 2007, 165-183
- Parikka, Jussi: "Insect Technics: Intensities of Animal Bodies." Bernd Herzogenrath (ed.): *(Un)Easy Alliance - Thinking the Environment with Deleuze/Guattari*. Cambridge Scholars Press, Newcastle 2008, 339-362
- Parikka, Jussi: "Archaeology of Imaginary Media: Insects and Affects." *Verbindungen/Jonctions* 10, Brussels, 2010.
- Pelto, Pertti J. & Martti Linkola & Pekka Sammallahti: *The snowmobile revolution in Lapland. Suomalais-ugrilaisen seuran aikakauskirja* 69:3. Helsinki 1968.
- Pelto, Pertti J.: *The snowmobile revolution: technology and social change in the Arctic*. Menlo Park, Cummings, 1973.
- Polvinen, Tuomo: *Die finnischen Eisenbahnen in den militärischen und politischen Plänen Russlands vor dem ersten Weltkrieg*, *Studia Historica* 4, Helsinki 1962.
- Rajala, Riikka & Juuti, Petri: "Water Services in Espoo, Finland, from the 1930s to the 2000s - positive challenge or burden of history? E-Water", 2009.
- Ray, George F., *The Diffusion of Technology in Finland*, ETLA, Discussion papers no. 258, Helsinki 1988.
- Reunanen, Markku & Silvast, Antti: "Demoscene Platforms: a Case Study on the Adoption of Home Computers." Impagliazzo, John & Järvi, Timo & Paju, Petri (eds.): *History of Nordic Computing 2. Second IFIP WG 9.7 Conference, HiNC2, Turku, Finland, August 21-23, 2007, Revised Selected Papers*. IFIP Advances in Information and Communication Technology 303. Springer, Berlin 2009, 289-301.
- Reunanen, Markku: "Computer Demos - What Makes Them Tick?" Licentiate thesis, Aalto University School of Science and Technology, Helsinki 2010.
- Saarikoski, Petri & Suominen, Jaakko: "Computer Hobbyists and the Gaming Industry in Finland." *IEEE Annals of the History of Computing* July-September 2009, vol. 31 no. 3, 20-33.
- Salmi, Hannu. "Cinema, Tourism, and Everyday Life. From Virtual Experiences to Traveling Cultures", *Traffic, Needs, Roads: Perspectives on the Past, Present and Future of Roads in Finland and the Baltic Area*. Finnish National Road Administration, Helsinki 2000, 115-121.
- Salmi, Hannu. *Nineteenth-Century Europe: A Cultural history*. Polity Press, Cambridge 2008.
- Salmi, Hannu & Suominen, Jaakko: "Cultural History of Technology." *Tekniikan Waiheita*, vsk. 18, 4/2000, 5–13.
- Salonkangas, Raimo (ed.): *Waterpower in Finland*, Tampere: Finnish Water Power Association 1969.

- Sarantola-Weiss, Minna (ed.): *Rooms for everyone: Perspectives on Finnish interior design 1949-1999*. Otava, Helsinki 1999.
- Setkovic, Gordana & Myllyntaus, Timo: "Neki aspekti međuzavisnosti razvoja energetike i ekonomskoj razvoja Finske i Jugoslavije," (Summary both in English and Russian, "Some aspects of the interdependence of the energy-supply and economic developments in Finland and Yugoslavia"), *Nafta, Journal of Yugoslav Committee of the World Petroleum Congresses (Zagreb)* vol. 36 (1985) no 5, 233-239.
- Setälä, Päivi: "Private domini in Roman Brick Stamps of the Empire: A Historical and Prosopographical Study of Landowners in the District of Rome", *Annales academiae scientiarum fennicae* 10, Helsinki 1977.
- Siemen, Uwe, *Die Stellung der Binnengewässer im Strukturwandel Finnlands nach dem Zweiten Weltkriege*, *Zeitschrift für Ostforschung*, vol. 8 (1959), pp. 550-60.
- Sivula Anna: *Pori Cotton Factory as a Case of Industrial heritage in Modern Urban Environment. History, Memory and Interpretation. With full Latvian translation Pori kokvilnas fabrika – Industriālais Mantojums modernajā pilsētvidē – Industrial Heritage in the Modern Urban Environment. International Conference, Riga, 20th of September, 2002. Riga City Council, Riga 2003.*
- Siukonen, Jyrki: *Uplifted spirits, earthbound machines: studies on artists and the dream of flight, 1900–1935*. Suomalaisen Kirjallisuuden Seura, Helsinki 2001.
- Sjögren, Bror, *Water Power Development in Finland*, Helsingfors: Finnish Water Power Association Helsinki 1936.
- Sleeswyk, A.W. & Huldén, B.: "The three waterclocks designed by Vitruvius". *History of Technology*, 8 (11) 1991, 25-50.
- Steinby, Margareta: "L'industria laterizia di Roma nel tardo impero." *Società romana e impero tardoantico II*. Ed. A. Gardina. Bari 1989, 99 - 164.
- Stenman, Kari and Mark Styling, *Finnish Aces of World War 2*, *Osprey Aircraft of the Aces* no 23, Osprey Publishing; illustrated edition, 1998.
- Stenman, Kari and John Weal, *Lentolaivue 24*, (*Osprey Aviation Elite 4*), Osprey Publishing, 2001.
- Stenman, Kari: *Luftwaffe over Finland (Luftwaffe at War Series, 18)*, Greenhill Books, 2002.
- Stenros, Anne (ed.): *Visions of modern Finnish design*. Otava, Helsinki 1999.
- Suominen, Jaakko: "The Past as the Future. Nostalgia and Retrogaming in Digital Culture." *Fibreculture*, issue 11 (digital arts and culture conference (perth) issue), 2008.
- Suominen, Jaakko: "Computer as a Tool for Love – A Cultural History of Technology". *Proceedings of 8th Annual IAS-STS Conference "Critical Issues in Science and Technology Studies"*, 4th–5th May 2009. CD-ROM. IAS-STS, Graz [An Online version: http://www.ifz.tugraz.at/index_en.php/filemanager/download/1558/Jaakko%20Suominen.pdf], 2009.
- Suominen, Jaakko and Parikka, Jussi: "Sublimated Attractions - The Introduction of Early Computers in Finland in the late 1950s as an Audiovisual Experience" *Forthcoming in Media History-journal* 16:4, December 2010.
- Suominen, Jaakko & Paju, Petri & Törn, Aimo: "The Wegematic 1000 Computing Centre, 1959–1964. Translocal Co-operation." *History of Nordic Computing*. Eds. Janis Bubenko

- Jr. & John Impagliazzo & Arne Solvberg. IFIP WG 9.7 First Working Conference on the History of Nordic Computing (HiNC1), Norway 2003. Springer, New York 2005, 463–485.
- Surhone, M. Lambert, Miriam T. Timpledon, Susan F. Marseken (eds.), *Operation Stella Polaris: Signals Intelligence, Sweden, Continuation War, Karelian Front, Red Army, Reino Hallamaa, Finnish Radio Intelligence, Weapons Cache Case*, Betascript Publishing (February 11, 2010).
- Tedre, Matti: *The Development of Computer Science: A Sociocultural Perspective*. Joensuu Yliopistopaino. Joensuu 2006. (Väitöskirja, pdf/502 pp.)
- Tedre, Matti & Sutinen, Erkki: "Crossing the Newton-Maxwell Gap: Convergences and Contingencies." *Spontaneous Generations: A Journal for the History and Philosophy of Science* 3 (1), 2008. Haettu 19.4.2010.
- Teräs, Kari: *Discourse and the Container Revolution in Finland in the 1960's and 1970's. Teoksessa Making Global and Local Connections. Historical perspective on ports*, edited by Tapio Bergholm, Lewis R. Fischer and Elisabetta Tonizzi. *Research of Maritime History Series* 35, 2008, 137-152.
- Tulkki, Pasi: "Two types of engineers in a slowly industrialising Finland." *History and Technology*, vol. 16 (1999), issue 1, 33-66.
- Tuuva, Sari: *Negotiated stories of the information technology*. NordNytt, Nordisk tidskrift för kulturforskning, 90/2004.
- Tuuva, Sari: *Interpretations of information society in North Karelia*. -Christina Mörtberg & Agneta Lundgren (eds.), *How do we make a difference? - Information Technology, Transnational Democracy and Gender*. Division Gender and Technology. Luleå University of Technology. Luleå. 2003. 251-266.
- Törn, Aimo: "Early History of Computing in Turku, 1959–1964." *Elektroninen dokumentti*. Haettu 18.5.1999.
- Uotinen, Johanna: "Where have all the boys come from? - Gender in the 'Computer Biographies' of Finnish IT students". Christina Mörtberg & Agneta Lundgren (eds.), *How do we make a difference? - Information Technology, Transnational Democracy and Gender*. Division Gender and Technology. Luleå University of Technology. Luleå 2003, 267-275.
- Vehviläinen, Marja: *Gender, Expertise and Information Technology*. Department of Computer Science. Academic Dissertation. University of Tampere, Tampere 1997.
- Vehviläinen, Marja: "Gender and Computing in Retrospect: The Case of Finland." *IEEE Annals of the History of Computing*, vol. 21, 2/1999, 44–51.
- Vuorinen, H.; Juuti, P.S. & Katko T.S.: "History of water and health from ancient civilizations to modern times." *Water Science & Technology: Water Supply*, vol. 7 (2007), no. 1, 49-57.
- Wessberg, Lotta: "The woman and the car: A study of the car, the woman and modernity." *Ethnologia Fennica* 29 (2001), 33-44.

IV. Conference Reports

Hearing Modern History: Auditory Cultures in the 19th and 20th Century

Berlin Free University, June 2010, organised by Daniel Morat

Brian E. Hanrahan, Berlin Program for Advanced German and European Studies, Freie Universität Berlin, beh2004@columbia.edu

Proceedings of "Hearing Modern History," the 9th annual Blankensee Conference of the Berlin Wissenschaftskolleg, were occasionally interrupted by vuvuzela blasts coming through the open windows of the seminar rooms. Whether received as irony or irritant, this unignorable noise – then at the height of its prominence, early in the 2010 World Cup – neatly highlighted sound's place in the perceptual weave of everyday life and within broader social and cultural contexts. As a single 120-decibel note, or a low drone temporarily estranging media-aesthetic conventions, the vuvuzela's plastic Ur-honk is first and foremost a densely material sound, but it is more than simply an acoustic phenomenon. Impossible without contemporary modes of manufacture and distribution, the vuvuzela quickly became part of emergent practices of "public viewing." Its use and reception – both positive and negative – are informed on one level by fans' longing for sentimental experience, on another by notions of alterity and authenticity, on yet another by shrewd commercial calculation. (For FIFA, the vuvuzela sounded the coming of a provincialized Europe.) In other words, the vuvuzela is also and always already a historical phenomenon. The fact that it is a passing fad, intriguing in its global reach but likely soon forgotten, in no way lessens this historicity.

An appropriate accompaniment, thus, for a conference on the history and historiography of sound, which sought to connect recent interdisciplinary sound research with more established historical analyses and narratives. In his opening remarks, conference organizer DANIEL MORAT (Berlin) outlined the achievements and the limits of two decades of inquiry into "auditory culture." Alluding to tensions and disconnections between mainstream historiography and the diffuse field of "sound studies," he suggested that some investigations of listening practices, soundscapes and acoustic dispositives had suffered from a lack of historical perspective, inadequately connecting their objects to broader society-wide processes. That said, however, historians of sound could learn from methods of reconstruction and analysis in neighboring disciplines, whether media studies, musicology or cultural studies. Ultimately, a more thorough integration of sound into accounts of modernity and modernization could go beyond a sensory thickening of historical analysis, offering fresh perspectives and questions. Hence the main focus of "Hearing Modern History" was on the fifty years around 1900, a medial and sonic "Sattelzeit" characterized by new auditory technologies, the transformation of the urban soundscape and the emergence of new modes of listening in war, entertainment, science and medicine.

Opening the conference, WOLFGANG ERNST (Berlin) energetically took up the fundamental question of sound's historicity, arguing for an archaeology rather than a history of sound. He insisted that in many respects sound – heard, recorded or transmitted – was radically

ahistorical; its specificity could not be captured and subsumed by the logocentrism of traditional narrative historiography. Serious engagement with "the sonic" – sound as sound and sound as time – could open up access to a plurality of non-narrative temporalities, beyond history-writing's reliance on Gutenberg-era structures of printed language and narrative contextualization. Perhaps unsurprisingly, some of the historians present responded with reservations on this point, stressing the cultural context of sound's perception, production and consumption, and suggesting that sound history, as any other, should guard against the persistent chimera of unmediated access to the past.

In contrast to Ernst's pointed intervention, both HOLGER SCHULZE (Berlin) and MARK M. SMITH (South Carolina) stepped back to survey the existing field, highlighting theoretical lacunae and methodological problems. In a paper rich in conceptual coinages and compelling examples, Schulze reflected on fundamental questions of sound studies, interrogating its objects and methods and its epistemological and social function. Recent work on sound practices, he claimed, should be praised for its predominantly materialist and culturalist analyses. This body of work provided ballast against recurring idealist notions of sound as dematerialized, ahistorical or "angelic."

Where Schulze referred to work in media and cultural sciences, Smith's keynote address focused on the historiography of sound in a more narrow disciplinary sense. Extending the genealogy of sense-historiography further back than in most accounts, Smith located the roots of today's "historical acoustemology" in the Annales school and the classics of 1960s social history: their perspectives from below and their thickening of the web of social description, he claimed, had paved the way for a subsequent historiography of the senses. Turning to the present and future, he characterized the historical study of sound as both a field (specialized sound-historical research) and a habit (non-specialists paying attention to questions of sound). The true impact of sound- and sense-historiography, according to Smith, is increasingly to be found in textbooks, mainstream histories, and popular museum practice. This issue of museum sound was widely taken up in the subsequent discussion (appropriately, given the location in Berlin's highly mediatized Museum of Communication), raising questions of authenticity claims, acoustic architecture and the ethics of contextualization.

After the opening discussions of theory and discipline-formation, subsequent panels presented a series of detailed local studies. KARIN BIJSTERVELD (Maastricht) reported on the collaborative research program "Soundscapes of the Urban Past: Staged Sound as Mediated Cultural Heritage," an analysis of the staging and inscription of urban sound in historical documents and artistic works. Outlining a subsection of this program, ANNELIES JACOBS (Maastricht) pointed to one example of Dutch sonic specificity. Analyzing a broad range of Second World War diaries, she showed how the striking silence of wartime Amsterdam was integrated into a broader cultural-semiotic constellation, incorporating resistance, national identity and (de-)modernization.

In his comparative historical study of concert listening, SVEN OLIVER MÜLLER (Berlin) addressed a well-known but still startling transformation: the rapid nineteenth-century change in the behavior of audiences, who went, in the space of two or three decades, from unruly, noisy and interruptive to reverent, concentrated and silent. Comparing the experience in various European cities, Müller revealed patterns of transnational influence, uneven development and class antagonism underlying this radical change. Taking the question of urban specificity into the present day, PHILIP V. BOHLMAN (Chicago), LARS-CHRISTIAN KOCH (Berlin) and SEBASTIAN KLOTZ (Leipzig) used a series of analytical snapshots to introduce an ambitious project mapping sound's role in contemporary urban life. They focused in the first instance on Berlin, Chicago and Kolkata, cities where music and sound are key sites of negotiation in the formation of urban identities.

After soundscapes and cultural identity, a series of papers addressed the history of science and media. ANTHONY ENNS's (Dalhousie) study of early telephonic experiments centered on Alexander Graham Bell's use of dismembered human ears as the basis for prototypical telephones. Framed by theories of mediated perception (from McLuhan to Crary and Kittler), Enns' paper impressively marshaled a wide range of historical detail, from patent applications and legal disputes to the "Human Telephone," a vagabond vaudevillean with a telephone receiver permanently attached to his head. Staying with the late nineteenth century, ALEXANDRA HUI's (Mississippi State) paper addressed notions of "musical competence." She traced the recurrence of this topos across more than one context, showing how it connected German psycho-physiological debates with the critic Eduard Hanslick's polemics against cultural, sound-environmental and psycho-perceptual degradation, which he attributed to the turn-of-the-century "piano epidemic."

The papers of STEFAN GAUSZ (Berlin) and CHRISTINE EHARDT (Vienna) examined the intersection of sound, technology and material culture in the first decades of sound's technical reproducibility. Refusing the term "technological media" as theoretically problematic, Gauß sought to redescribe the early history of the phonograph and gramophone – which he called "phonoobjects" – in terminology drawn from recent cultural theories of objects and things. Focusing on the lesser-known Austrian context, Ehardt's cultural history of the early auditory headset traced the device from live opera transmissions at Vienna's 1883 International Electricity Exhibition – when it was known as the "Telephonhaube" – to the iconography of headphones in the context of early radio.

Referring to sound theorist Douglas Kahn's concept of "worldly sound," CAROLYN BIRDSALL (Amsterdam) examined renderings of the urban soundscape in interwar radio productions and early sound film documentary. In close readings of works including Walter Ruttmann's early sound film "Melodie der Welt," she demonstrated the tension between the use of documentary sound material and the metaphysical imaginary of a "global soundscape." In the same period, but with an emphasis on listening rather than sound, AXEL VOLMAR (Siegen) sketched an archaeology of early radio listening, arguing that modes of mid-1920s wireless listening represented a continuation of the acute acoustic attention of wartime experience, and – more distantly – of medical auscultation. JOHN M. PICKER (MIT)

likewise honed in on the cultural significance of the stethoscope. Mapping late-Victorian culture's modes of audition via close readings of literary texts and early phonographic performances, he suggested that a new and intense acoustic-haptic perception, first appearing with the stethoscope, ultimately underlay broader cultural anxieties about noise, technology and the disembodiment of the voice.

JAMES MANSELL's (Manchester) impressive paper blended intellectual and cultural history to investigate how noise and sound were lent cultural significance in early twentieth century Britain. Sound was a key trope, Mansell argued, in conceptions of the self, as well as in the formation of identities of place, nation and faith. Addressing the esoteric sound-philosophy of the Theosophical Society, he plotted its surprising cultural impact in best-selling self-help manuals, but also less directly in the musical commemoration of the Great War. Theosophy, he indicated, formed part of a third, dialectical standpoint towards sound and modernity, existing alongside futurist celebrations of noise and culture-critical animus against the din of the modern.

Reflecting the recent prominence of art-as-research, the conference's closing session took an alternative format, supplementing scholarly approaches with the work of broadcasters and artists. UTA KORNEIER's and GABY HARTEL's (Berlin) sound documentary work used interviews and field recordings to reflect on London's auditory psychogeography. In a local context, VALERIA MERLINI and OLAF SCHÄFER (Berlin) presented an experimental re-scoring of Ruttmann's 1927 film "Berlin: Die Sinfonie der Großstadt." The new version juxtaposed Weimar-era images with contemporary Berlin street noise, posing questions, not least, of the changing nature of ambient urban sound.

Introducing the concluding discussion, VEIT ERLMANN (Austin) again reflected on the wider state of sound studies, contextualizing the conference – with its emphasis on North Atlantic modernity – in terms of wider issues and global networks of sound scholarship. Much remained to be done, Erlmann suggested, sketching a future agenda and diagnosing blind spots in the study of auditory cultures. He pointed out, for example, the need for more transnational analysis, as well as for sustained theoretical and methodological reflection. In other words: there is more to learn about sound and its history, although it remains an open question whether the discussion will primarily take place – to borrow Mark Smith's terms – as a diffuse habit or within a discrete field.

See: *Hearing Modern History: Auditory Cultures in the 19th and 20th Century*. 17.06.2010-19.06.2010, Berlin, in: *H-Soz-u-Kult*, 13.07.2010, <<http://hsozkult.geschichte.hu-berlin.de/tagungsberichte/id=3196>>.

V. Conference Announcements

22 October 2010

The 5th Annual Great Plains Radio History Symposium

CFP - Deadline **18 August 2010**

A.Q. Miller School of Journalism and Mass Communications, Manhattan

This year's symposium will present a special plenary session on an important feature in the development of rural Midwestern radio: the radio homemaker. It will also feature a tribute to Richard "Dick" Ward Fatherley, former Storz Broadcasting program executive and co-founder of the Great Plains Radio History Symposium, who died on March 8, 2010 at the age of 69.

As in past years, we're looking forward to presentations from a mix of academic scholars and broadcast professionals, sharing their research into the history of radio in the Great Plains region. This year, the submission deadline of proposed presentations/papers will be Wednesday, Aug. 18. Acceptance notices will be distributed by Wednesday, Sept. 8. Each presentation should run about 25 minutes, including a few minutes for questions and comments.

Please address presentation proposals, questions and comments to:

Steve Smethers, Associate Director, smethers@ksu.edu, or Kristin Copeland, Admin. Asst., kmc6644@ksu.edu; A.Q. Miller School of Journalism and Mass Communications, Manhattan.

3 – 5 March 2011

Technotopologien - räumliche Perspektiven und Praktiken

DFG-Graduiertenkolleg 'Topologie der Technik'

TU Darmstadt, Germany

CFP – Deadline **15 October 2010**

The conference of the interdisciplinary DFG Graduate School 'Topology of Technology' is dedicated to interdependencies of technology and space.

Please visit http://www.gtg.tu-berlin.de/mambo/mambots/editors/tinymce/index.php?option=com_content&task=view&id=96

Please contact Julika Griem, Institut für Sprach- und Literaturwissenschaft TU Darmstadt griem@linglit.tu-darmstadt.de and

Dieter Schott, Institut für Geschichte, TU Darmstadt, schott@pg.tu-darmstadt.de

3 – 4 March 2011

2nd International Conference on path dependence

Freie Universität Berlin
School of Business and Economics
CFP – Deadline **15 November 2010**

The theory of path dependence is attracting increasing attention. A considerable number of scholars have been using the theory for the study of historical imprints, escalating dynamics and organizational inertia in different fields and on different levels. The conference is organized by the Path Dependence Research Centre (Pfadkolleg) of the *Freie Universität Berlin*. It aims at providing a platform for the discussion of most recent path-related research. The discussions are expected to focus on issues of extending path theory as well as studies of path-dependent phenomena. Conceptual as well as empirical papers from different fields are welcome: organization theory, organizational behaviour, strategic management, human resource management, marketing, innovation and entrepreneurship. Apart from the field of business studies, the organizers encourage contributions from related disciplines, such as economics, geography, sociology or business history.

The organizers invite you to submit a paper to the conference. Papers are due by November 15, 2010. Please email your submission to pfadkolleg@wiwiss.fu-berlin.de. Please submit a full paper of a maximum of 9000 words, including an abstract of 200 words.

Conference Organizers:

Georg Schreyögg, Freie Universität Berlin
Albrecht Söllner, Europa-Universität Viadrina, Frankfurt /Oder
Jörg Sydow, Freie Universität Berlin

For further practicalities and additional information please visit <http://www.pfadkolleg.de> or send us an e-mail: pfadkolleg@wiwiss.fu-berlin.de

31 March 1 April 2011

Leisure, Pleasure and the Urban Spectacle. Urban History Group

Annual Conference

Robinson College, University of Cambridge, UK

CFP – Deadline **29 October 2010**

This conference theme broadly explores the pursuit of "pleasure" in the context of the history of towns and cities. The conference organisers are interested in investigating the significance of specifically urban forms of pleasure and leisure for understanding the historical dynamics of social, economic and cultural relationships. Towns and cities have historically offered an array of pleasures to cater for ever larger concentrations of people. The types of leisure activities available to urban populations have never remained static; indeed, changing social and economic conditions have transformed popular leisure patterns over time as well as across urban space. The pursuit of pleasure, both licit and illicit, has adapted with the changing relationship between work and leisure. As working hours became increasingly rigid

during the eighteenth and nineteenth centuries, so too did leisure time. The lack of free time was further exacerbated by growing pressures on land use. Thus, the pursuit of pleasure was increasingly set aside for specific buildings (inns, brothels, theatres, music halls and, more recently, fitness centres) or clearly delineated spaces (botanical gardens, public parks, public walks, gated communities and even the internet) where access could, in theory, be carefully managed. Cities, seaside towns and holiday resorts were also developed to specifically cater for a variety of tastes and pleasures. Once it was recognised that there was money to be made out of the pursuit of pleasure, cities became intertwined with the business of leisure and began to market themselves as centres of tourism, heritage and culture.

Some issues that the conference seeks to consider include:

- What do we understand by the terms 'pleasure' and 'leisure' in an urban context?
- How has the pursuit of pleasure differed between towns and cities, across national borders and over time?
- How has leisure been regulated, managed and delivered to urban citizens? How has regulation and service delivery differed between public and private authorities?
- How has urban pleasure been produced, marketed and consumed?
- How has this changed in light of the rise of mass tourism and the heritage industry?
- What is the relationship between leisure and place identity?
- In what ways have specific leisure activities (organised sport, for example) strengthened local identities where others might have weakened them?
- How have urban identities been conditioned by their relationship with defined pleasurable spaces and/or communities?
- To what extent has access to these spaces led to the exclusion of particular social groups or minorities?
- What contribution has the business of pleasure made to the spectacle of urban modernity?
- In what ways can the pursuit of pleasure be theorised in an urban historical context?
- How has urban leisure been represented culturally (through literature, film, television, etc.)?
- Has this influenced the diffusion of specific types of leisure internationally?

The conference committee invites proposals for individual papers as well as for individual sessions of up to three papers. Sessions that seek to draw comparisons across one or more countries, or open up new vistas for original research, are particularly encouraged. Abstracts of up to 500 words, including a title, name, affiliation and contact details should be submitted to the honorary conference organiser and should indicate clearly how the content of the paper addresses the conference theme outlined above. Those wishing to propose sessions should provide a brief statement that identifies the ways in which the session will address the conference theme, a list of speakers and paper abstracts. The final deadline for proposals for sessions and papers is 29 October 2010.

In addition, the conference will again host its new researchers' forum. This is aimed primarily at those who are at an early stage in a research project and who wish primarily to discuss ideas rather than present findings. New and current postgraduates working on topics unrelated to the main theme, as well as those just embarking on new research, are particularly encouraged to submit short papers for this forum.

Graduate students can obtain a bursary to offset some of the expenses associated with attending the conference. Please send an e mail application to Prof. Richard Rodger at Richard.Rodger@ed.ac.uk and ask your PhD supervisor to also send a message confirming your status as a registered PhD student. The Urban History Group would like to acknowledge the Economic History Society for its support for these bursaries.

Please visit <http://www.history.ac.uk/news/2010-06-23/call-papers-urban-history-group-annual-conference-leisure-pleasure-and-urban-spectac>

For further details please contact:

Shane Ewen (hon. conference organiser) School of Cultural Studies, Leeds Metropolitan University, s.ewen@leedsmet.ac.uk and

Rebecca Madgin, Urban Studies Research Fellow, Department of Urban Studies, University of Glasgow, r.madgin@lbss.gla.ac.uk.

31 March – 1 April 2011

Chemical Weather and Chemical Climate: Body, Place, Planet in Historical Perspective.

Gordon Cain Conference on the history of atmospheric chemistry
Chemical Heritage Foundation in Philadelphia, PA

CFP – Deadline **1 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.

The conference is planned for 30 participants, including approximately 12 paper writers and an equal number of commentators. Papers will be pre-circulated. At the conference, each paper will be introduced by a commentator and discussed with the author in a 45-minute session. Proposals for 90-minute thematic panels involving two or three presenters are also welcome. The first session is scheduled for early afternoon on Thursday, March 31. This will be followed by a keynote address and public reception where research posters will be on display. Paper sessions continue Friday, April 1, with the posters discussed mid-day and a final session ending by 6:00 pm. Participants, including selected poster presenters, will be asked to revise their contributions for possible publication.

Students and scholars from all nations and at all stages of their careers are encouraged to apply. Travel, accommodation, and meals for participants will be arranged by CHF. Please send your paper or poster title, abstract of 250 words or less, and a 2-page c.v. to James R. Fleming, STS Program, Colby College, Waterville, Maine, USA, jfleming@colby.edu.

26-27 April 2011

Key Moments in Human Space Flight 1961 – 1981

NASA History Division and the National Air and Space Museum

CFP – Deadline **15 October 2010**

The NASA History Division and the National Air and Space Museum's Division of Space History invite proposals for presentations to be held at its joint symposium, "1961/1981: Key Moments in Human Spaceflight," at NASA Headquarters in Washington, D.C., on 26-27 April 2011. This symposium reflects on 50 years of human spaceflight using these two key dates in time as an entrée for broader investigation and insight. The symposium coincides with four significant anniversaries in the history of human spaceflight: Soviet cosmonaut Yuri Gagarin's inaugural human orbit of the Earth on 12 April 1961; the U.S.'s first human spaceflight with American astronaut Alan Shepard on 5 May 1961; the announcement on 25 May 1961 of the U.S. decision to go to the Moon by the end of the decade; and the Space Shuttle's first flight into orbit on 12 April 1981. All four events resulted from a unique set of ideas, circumstances, and geopolitics which established a trajectory for future human operations in space. Although there will be a few invited speakers, most presentations will result from responses to the call for papers.

Accordingly, scholars from all disciplines, fields, and subject areas are invited to propose individual papers on aspects of the 1961/1981 theme. We especially invite graduate students and scholars newly entering the study of the history of spaceflight. The symposium will focus on new analytical insights and fresh scholarly analyses from a variety of social science and humanistic perspectives. Individual presentations will be scheduled for 20 minutes each and

grouped by the conference organizers into thematically coherent panels that leave ample time for audience discussion.

Key questions of special interest to the symposium's organizers include the following:

- What were the political, economic, social, and cultural factors that help explain the situation concerning human spaceflight in 1961? In 1981?
- What did it mean to be an astronaut or a cosmonaut in 1961, in 1981, and how has this changed over time from social, cultural, transnational, and institutional perspectives?
- What geopolitical factors have affected the manner in which various nations have approached the issue of human spaceflight?
- What does it mean for nations to be part of an elite “club” of human spacefarers?
- What goals in human spaceflight existed at various moments in the history of the space age? Have these changed over time and why?
- How might transnational historical themes, rather than nationalist perspectives, be deployed to understand these moments in time?
- What cultural influences (such as fiction, advertising, literature, art, music, labor movements, and globalism) help to explain these experiences?
- What technological developments drove the seizing of the two moments in 1961 and 1981 to take human spaceflight in directions not achievable before?
- How have national approaches been different from each other in terms of their treatment of launch vehicles, human factors in space, selection and training of astronauts, cultural treatment of astronauts, and the like?
- What are the social, cultural, and political ramifications of these 1961/1981 moments in time and the place of fifty years of human spaceflight?
- What is the legacy of human spaceflight?
- What new insights might we explore about the different approaches that the U.S., the U.S.S.R./Russia, and China have taken to human spaceflight?
- What have we learned about national space agencies versus transnational consortia such as the European Space Agency versus private sector investment in human spaceflight capabilities?

Proposals may address any area of human spaceflight history related to the 1961/1981 theme. Proposals should be relatively brief (1-2 page abstracts would be fine) and should include a c.v. Proposals are due by 15 October 2010, with a decision made about selection for presentation by 31 December 2010.

Please send proposals to: Roger D. Launius and Steve Garber, launiusr@si.edu and Stephan J. Garber, stephen.j.garber@nasa.gov.

31 May – 4 June 2011

Vernacular Architecture Forum Annual Meeting

Falmouth Jamaica

CFP – Deadline **13 September 2010**

The Vernacular Architecture Forum invites paper proposals for its Annual Meeting in Falmouth Jamaica May 31 – June 4, 2011. Papers may address vernacular and everyday buildings, sites, or cultural landscapes worldwide. Submissions on all vernacular topics are welcome, but we encourage papers that explore topics related to the conference themes of heritage tourism as the new colonialism; climate and vernacular design; creolization, hybridity, acculturation and other models for cultural engagement; and race, slavery, and place. Papers should be twenty-minutes in length, although proposals for complete sessions, roundtable discussions, or other innovative means that facilitate scholarly discourse are also welcome.

Proposals must be one-page, fewer than 400 words, and include paper title, author's name, and email address. Please state clearly the argument of the paper and explain the methodology and content. Papers should be theoretical or analytical in nature, rather than descriptive. Attach a one-page CV to your proposal submission. The deadline for proposals is September 13, 2010.

Presenters must deliver their papers in person and be VAF members at the time of the conference. Speakers who do not register for the conference by April 1, 2010 will be withdrawn. Please do not submit an abstract if you are not committed to attending the papers session on June 4. Presenter Fellowships to offset registration costs are available to students and recent graduates. For more information on Presenter Fellowships see <http://www.vafweb.org/awards/presenter.html>.

Electronic submissions of proposals and CVs in Word format are preferred. Please send email proposals to Andrew Dolkart, Columbia University School of Architecture, Planning and Preservation, at asd3@columbia.edu.

A word about the cost of the Jamaica conference. The cost of this conference will be similar to that of recent VAF conferences. Registration will be \$150, with the Friday tour and an optional Sunday tour costing \$125 each. The conference will be held at a resort costing approximately \$450.00 for five nights, including all meals, drinks, and resort activities. Check for airfares flying into Montego Bay (do NOT fly into Kingston).

For general information about the Jamaica meeting contact Louis Nelson at ln6n@virginia.edu or mmc@gwu.edu.

11 – 14 August, 2011

Call for papers for a half-day session at the 27th Congress of Nordic Historians in Tromsø, Norway:

Flows of Food, Folk, and Thought: Environmental Histories of the Nordic Countries

CFP – Deadline 1 September 2010

Situated at the Northern edge of the world, the environment has posed unique challenges to the Nordic countries throughout history. The session takes environmental historian William Cronon's hinterland concept as its starting point. He used the concept to demonstrate how a metropolis like Chicago included ever larger areas in its influence, gathering resources and exerting change on the environment of these areas. The Nordic countries do not possess the same gravity, yet they are also intimately connected to areas and environments across the globe. Rather than a model with the Nordic countries either in the center or in the hinterland, we understand these countries to be nodes in an ever-changing network.

We are interested in how the movement of food, people, and ideas into, out of, and within the Nordic countries has affected the local and global environment. Potential subtopics within this session include:

- The transfer of environmental knowledge (both specific “how-to” knowledge and ideological belief systems) over space and time
- The effect of material flows on cultural and/or biological diversity
- The effect of food networks on the environments of the Nordic countries and throughout the commodity chain
- The environmental consequences of the movement of people into, out of, and within Nordic countries

If you are interested in participating in this session, please send an abstract of 250-300 words outlining your topic, argument, and sources, before September 1, 2010. We aim to publish all or parts of the session as a collected volume after the conference. All abstracts should be submitted to tromso2011@nehn-nordic.org.

Each paper will be allocated 20 minutes for presentation and 10 minutes for discussion; those papers that are selected for publication will need to be submitted to the organizers as full-length articles after the conference.

Organizers:

Eva Jakobsson, University of Stavanger, eva.jakobsson@uis.no (contact person) □ Laura Hollsten, Åbo University Academy, Finland. □ Dolly Jørgensen, Norwegian University of Science and Technology, Norway. □ Finn Arne Jørgensen, Umeå University, Sweden. □ Unnur Birna Karlsdóttir, University of Iceland. □ Bo Poulsen, Roskilde University Center, Denmark.

VI. Miscellaneous

The European Federation of Associations of Industrial and Technical Heritage launched the idea of an *European Industrial and Technical Heritage Year*. A memorandum was written out which could be signed by organisations and individual persons. Please visit http://www.e-faith.org/EITHY/EITHY_ENG.htm to find the memorandum.

Please contact the association by secretariat@e-faith.org.

VII. Recently Published Books

Balz, Viola: Zwischen Wirkung und Erfahrung - eine Geschichte der Psychopharmaka. Neuroleptika in der Bundesrepublik Deutschland, 1950-1980. transcript, Bielefeld 2010.

The book of a historian of medicine is dedicated to the history of psychotherapy by the help of psychotropic drugs, inaugurated in the 1950s. This development is regarded as a great success of psychotherapy, but those medicaments still bring serious problems to sick persons. This was the reason for Balz to investigate the creation of the medicament's success story.

Hunt, Bruce J.: Pursuing Power and Light. Technology and Physics from James Watt to Albert Einstein. Johns Hopkins University Press, Baltimore 2010.

In the 19th century, science and technology developed a close and continuing relationship. The most important advancements in physics – the science of energy and the theory of the electromagnetic field – were deeply rooted in the new technologies of the steam engine, the telegraph, and electric power and light. Hunt here explores how the leading technologies of the industrial age helped reshape modern physics.