

Program

Wednesday 19 October: Welcome

17.00-19.00

Registration and Welcome in Museum Boerhaave

Thursday 20 October: Status of Instruments

10.00-10.10

Dr. Robert Anderson (chair)

Former director of the British Museum, Cambridge, United Kingdom

Introduction

10.10-10.40

1 Dr. Jim Bennett

Museum for the History of Science, Oxford, United Kingdom

An Introduction to Instruments and Identities

10.40-11.00

2 Alexander von Lünen

University of Technology, Darmstadt, Germany

Who needs scientific instruments? Philosophers!

11.00-11.20

3 Dr. Huib J. Zuidervaart

Independent scholar, The Netherlands

Scientific Instruments & Observations as a Vehicle for Social Status. The Case of Pieter Gabry F.R.S. (1715-1770)

11.20-11.40

Coffee break

11.40-12.00

4 Prof. Dr. Frans van Lunteren

Institute for the History and Philosophy of Science, Utrecht University, Vrije Universiteit Amsterdam, The Netherlands

'Beati possidentes': the Royal Dutch Academy and the Standard Metre

12.00-12.30

5 Dr. Karsten Gaulke

Astronomisch-Physikalisch Kabinett, Staatliche Museen Kassel, Germany

Some New Looks on the Astronomical Instruments and Clocks of Wilhelm IV of Hesse-Kassel

12.30-12.50

6 Dr. Sven Hauschke

Germanisches Nationalmuseum Nürnberg, Germany

Scientific Instruments and the Invention of the Renaissance "Kunstschränk"

12.50-14.00

Lunch

14.00-14.20

7 Françoise Le Guet Tully and Jean Davoigneau

Observatoire de la Côte d'Azur, Nice, France

Direction de l'Architecture et du Patrimoine, Ministère de la Culture, Paris, France

The 19th-Century Observatory Today: From an Astronomical Instrument to a Cultural and Scientific Symbol

14.20-14.40

8 Prof. Dr. Björn Ragnvald Pettersen

University of Environmental and Life Sciences, Department of Mathematical Sciences and Technology, Ås, Norway

Astronomy in a Shipping Nation: Harbour Observatories in Norway 1857-1900.

14.40-15.00

Tea break

15.00-15.20

9 Pedro Ruiz-Castell

Department of Research and Documentation Museo Nacional de Ciencia y Tecnología, Madrid, Spain

Scientific Instruments for Education in Early Twentieth-Century Spain

15.20-15.40

10 Dr. Sven Dupré & Dr. Michael Korey

Centre for History of Science, Ghent University, Belgium and Mathematisch-Physikalisches Salon, Dresden, Germany

The Use and Re-Use of Optical Instruments, 'Creating knowledge in the Dresden Kunstkammer'

15.40-16.00

11 Dr. Peter Heering

Carl-on-Ossietsky Universität, Oldenburg, Germany

The Meaning of Practice

16.00-16.15

Summary Robert Andersen

16.15-19.00

Drinks and Museum Boerhaave visit

Friday 21 October: Location and Organisation

9.00-9.10

Prof. Dr. Dominique Pestre (chair)
Alexandre Koyré Centre for the History of Science, Paris, France
Introduction

9.10-9.40

1 Professor Dr. Pierre Laszlo
Ecole Polytechnique and University of Liège
Did the Chemical Laboratory influence its Instrumentation or Vice-Versa?

9.40-10.00

2 Dr. Allison Morrison-Low
Science and Technology, National Museum of Scotland, Edingburgh, United Kingdom
'It was a Dark and Stormy Night': Instrument Makers and the Northern Lights

10.00-10.20

3 Alexi Shannon Baker
History of Science, University of Oxford, United Kingdom
The London Instrument Trade, from Culpeper to Cole

10.20-10.30

Coffee break

10.30-10.50

4 Drs. Tim Huisman
Museum Boerhaave, Leiden, The Netherlands
An Instrument of Encyclopaedic Knowledge in a Changing World. The Leiden Theatrum Anatomicum 1592-1725

10.50-11.10

5 Dr. Eric Jorink
Constantijn Huygens Instituut (KNAW)
Dutch Humanists and the Microscope, 1620-1670

11.10-11.30

6 Alfonso Zarzoso
Museu d'Historia de la Medicina Catalunya, Barcelona, Spain
Instruments and Teaching of Surgery: New Educational Tools for a New School

11.30-11.40

Coffee break

11.40-12.10

7 Dr. Lissa Roberts
History of Science and Technology, Twente University, The Netherlands
Running in Place: Location and Identity in the History of Dutch Steam Engines

12.10-12.30

8 Björn Brusch

Experimental Systems and Spaces of Knowledge, Max Planck Institute for the History of Science, Berlin, Germany

The Technical Sphere of the Garden. Uses of Instruments and Garden Devices in 19th Century Gardening

12.30-12.50

9 Dr. Christian Sichau

Curator of Physics, Deutsches Museum, Germany

Hidden Links: Early Attempts to Create a National Physics Laboratory in Victorian Britain

12.50-14.00

Lunch

14.00-14.20

10 Dr. Dirk van Delft

NRC Handelsblad/ Universiteit Leiden, The Netherlands

'The Blue Boys': The School of Instrument Makers in the Leiden Physical Laboratory of Heike Kamerlingh Onnes

14.20-14.40

11 Dr. Sebastien Soubiran

Mission culture scientifique et technique, University Louis Pasteur of Strasbourg, France

From Scientific Instruments to Technical Efficiency: British Royal Navy Technological Testing Process, 1913-1940

14.40-15.00

12 Dr. Steindor J. Erlingsson

Reykjavik, Iceland

The Plymouth Laboratory of the Marine Biological Association and the Rise of Experimental Zoology in Britain

15.00-15.15

Summary Dominique Pestre

15.30

Busride to Shell Amsterdam

16.30-17.00

Tea and introduction to Shell

17.00-18.00

Museum visit / Van Gogh lecture

18.30-21.30

Conference dinner

Saturday 22 October: Innovation

9.00-9.10

Prof. Dr. Albert van Helden (chair)
Utrecht University, Institute for the History and Foundation of Science
Introduction

9.10-9.40

1 Dr. Filippo Camerota
Vice Director and Collection Manager, Istituto e Museo di Storia della Scienza, Florence, Italy
Admirabilis Circinus: The Spread and improvement of Fabrizio Mordente's Compass

9.40-10.00

2 Dr. Yaakov Zik
Department of Philosophy, University of Haifa, Israel
Theory and Practice of Early Telescopic Observation: Galileo and the Telescope

10.00-10.20

3 Pedro Raposo
Astronomical Observatory of Lisbon, Centre for the History of Science of the University of Lisbon, Portugal
*Down-to-Earth Solutions for Celestial Purposes:
Remarks on the Life and Works of the Astronomer/Instrument Maker Campos Rodrigues (1836-1919)*

10.20-10.40

Coffee break

10.40-11.00

4 Dr. Suzanne Débarbat
Observatoire de Paris, France
From Sea to Land: from Hadley's octant to Danjon's astrolabe

11.00-11.20

5 Nicolás de Hilster
Independent scholar, The Netherlands
Reconstruction of the 'spiegelboog'

11.20-11.40

6 Dr. James Caplan
Observatoire de Marseille, France
The Least-squares Procedure and Astronomical Instrument Development in the 19th Century

11.40-12.10

7 Marc Ratcliff
Institut d'histoire de la médecine et de la santé, Université de Genève, Switzerland
From Users to Makers: Using, Improving and Conceiving Microscopes During the Eighteenth Century

12.10-13.30

Lunch

13.30-13.50

8 Dr. Marian Fournier

Museum Boerhaave, Leiden, The Netherlands

From the Laboratory to the Factory: Le Poole and the Electron Microscope

13.50-14.10

9 Jérôme Fatet

Laboratoire Interdisciplinaire de Recherche en Didactique et en Histoire des Sciences et Techniques, Université Claude Bernard, Lyon, France

How New Instruments Come to Be

14.10-14.30

Tea break

14.30-14.50

10 Prof. Richard Kremer

History Department, Dartmouth College, Hanover, NH, USA

Inventing and Marketing a New Stroboscope: Harold 'Doc' Edgerton and the General Radio Company from 1932-1960

14.50-15.10

11 Charles Care

Department of Computer Science, University of Warwick, Coventry, United Kingdom

From Instrument to Computer: The Development of analogue computing

15.10-15.25

Summary Albert van Helden

15.50-16.00

General discussion

16.00 End