

BSHS Annual Conference 2010 Full Listing of Academic Sessions

Please arrive early to ensure that you secure a seat as some sessions may be over-subscribed.

Friday 23 July 2010

Academic Sessions 1

9.00-11.00

Ecology and Natural History

Venue: Catherine Gavin Room

Chair: Sabine Clarke

Of Plants and Volcanoes: Studying the Natural World in Late Colonial Central America, c.1790-1800

Sophie Brockmann

Remaking Natural Knowledge: Recycling in the History of Science & Medicine

Simon Werrett

Science, the South Pole, and the Japanese Expedition of 1910-1912.

William R. Stevenson III

Nutrition Science and its applications

Venue: Multimedia Room

Chair: Ida Stamhuis

Milk, the history of science, and material politics

Peter Atkins

Milk, Mortality and Moral Reform: Canadian Government Nutrition Policy, 1874-1919

Monika Pries-Klassen

Setting Nutritional Standards in late nineteenth-century Germany and the US

Elizabeth Neswald

World War II and nutrition cultures: professional and popular

David Smith

The Practice of Alchemy in Medieval and Early Modern Europe

Venue: Carnegie Room

Chair: Stephen Clucas

The Alchemist's Dilemma: Distilling Practices from Texts

Jennifer Rampling

Trial and Error: Alchemy and Assay in the Middle Ages

Stephanie Seavers

Dissecting manuscripts: Alchemy, Medicine and the Historian

Anke Timmermann

Archaeological approaches to early modern chymistry: old materials, new questions

Marcos Martín-Torres

We would like to thank the Society for the History of Alchemy and Chemistry (SHAC) for sponsoring this session

Visit to the Natural Philosophy Collection at Marischal College.

Please register for this visit at Registration. Participants should meet at King's Hall and Crombie Reception at 08.30.

Academic Sessions 2

11.30-1.00

The lessons of animal regeneration: New studies in late C19th and early C20th biology

Venue: Catherine Gavin Room

Chair: Duncan Wilson

The productivity of cut-and-paste: The Mexican axolotl, regeneration research and the importance of experimental practices

Christian Reiss

Historicizing or analysing organisms (or both)? The Weismann-Morgan controversy over animal regeneration re-examined

Maurizio Esposito

Dominance subverted: Animal regeneration research in W. F. R. Weldon's critique of Mendelism

Gregory Radick

Translating Technologies

Venue: Carnegie Room

Chair: James Sumner

Reconstructing HMAS *Warrego* and
the Transfer of Shipbuilding
Knowledge
Klaus Staubermann
'Somebody fresh to go into the
problem': Metropolitan Vickers, the
Air Ministry, and the axial gas turbine.
Jakob Whitfield
Failure in practice: bankers, blame
and computing technology
Ian Martin

Astronomy

Venue: Multimedia Room

Chair Michael Barany

Exporting Greenwich: the Royal
Observatory as a model for imperial
observatories
Rebekah Higgitt
Automation and Informality in
Modern Danish Astrometry
Karin Tybjerg
Funding radio astronomy in the
Netherlands, 1945-1960
Astrid Elbers

Machines and Metaphors

Venue: Taylor A 26

Chair: tbc

From machine to mind: the xix
century and the interdisciplinarity of
the concept of automatism
Margarida Medeiros
Lewis Mumford, Franz Reuleaux, and
the Archetypal Machine
Richard C Gunn
Hobson and the Machine
Daniel Wilson

13.00-14.00

Delegates are invited to visit a display of
manuscripts, rare books and artefacts from
the University of Aberdeen Collections in the
Old Senate Room

Jon Agar, *British Journal for the History of
Science* editor will host a 'meet the editor'
session in the Multimedia Room

Academic Sessions 3

2.00-4.00

Early modern astronomy in context

Venue: Catherine Gavin Room

Chair: Nicholas Jardine

The construction of astronomical
instruments (c. 1600)
Arjen Dijkstra
"Queen Reason" and the "Slave
Senses" – Astronomy and Geometry
in Thomas Digges' *Alae seu scalae
mathematicae* (1573)
Katie Taylor
Reading mechanics, writing
astronomy: The incorporation of
Galileo's 1638 *Two New Sciences* into
later seventeenth-century
astronomical treatises
Renée Raphael
The Astronomer's Role and the
Natural Philosopher's Role in the
Sixteenth Century Reconsidered: the
Case of William Gilbert
Stephen Pumfrey

Bullets and Bodies: Twentieth-century
forensics in theory and practice

Venue: Carnegie Room

Chair: Graeme Gooday

'Scientific Aids to Criminal
Investigation': The Achievement of
Administrative Objectivity in Forensic
Sciences
Alison Adam
Forensic Expertise, Lay Knowledge,
and the Search for Identity in the
Crippen Case
Fraser Joyce
Insurrection and Innovation: The
Assassination of Lee Stack and the
'Birth' of Ballistics
Nicholas Duvall
Spaces and Traces: The making of the
modern "Crime Scene"
Ian Burney and Neil Pemberton

Beauty and Wonder

Venue: Multimedia Room

Chair: Ralph O'Connor

Alexander Walker and Herbert

Spencer: A Victorian Science of
Beauty?

Antoinette Curtin

"Everything gives way to
experiment": empiricism and beauty
through the history of the Wedgwood
family

Chiara Ceci and Stefano Moriggi

Nebular Visions: Illustrating the
Architecture of the Heavens

Jim Secord

The Fairy-Tales of Science

Melanie Keene

Curators and Collections

Venue: Old Senate Room

Chair: Neil Curtis

Re-uniting the Parts: finding the links
in the Aberdeen collections

Jenny Downes

Revealing the Hidden Collections:
university museums in Scotland

Neil Curtis

Six centuries of medical teaching: the
history of medicine archives at the
University of Aberdeen

Siobhán Convery

Followed by round table where these
presenters will be joined by John Reid and
Nigel Trewin

Academic Sessions 4

4.30-6.00

Science on Stage and Screen

Venue: Catherine Gavin Room

Chair: Sally Horrocks

Butlins and the Bomb: *Uranium 235*,
Class and Nuclear Culture in Postwar
Britain

Jeff Hughes

Lawrence Bragg, C.P. Snow and the
'Two Cultures'

Frank A.J.L James

'The Revealing Eye': The Royal
Society and the Moving Image at the
Time of the Tercentenary

Tim Boon

Technologies of Evolution Studies:

contextualising contemporary techniques

Venue: Carnegie Room

Chair: Greg Radick

How to make a dinosaur: The
technologies of fossil preparation

Caitlin Donahue Wylie

Shaping genetic notation: contexts and
identities of the Rhesus blood groups,
1941-1951

Jenny Bangham

Darwin and the Tree of Life: The Roots
of the Evolutionary Tree

Nils Petter Hellstrom

Rhetoric and Representation

Venue: Multimedia Room

Chair: Stephen Gaukroger

Representative Practices in Art and
Science, 1880-1914

Chiara Ambrosio

Eighteenth-century instruments as
rhetorical devices

Florence Grant

Natural History in England, 1650-
1720: Representation, Rhetoric,
Poetics, Aesthetics

Alexander Wragge-Morley

Psychology

Venue: Taylor A 26

Chair *t.b.c.*

The Illusion of Intelligence:
Technology, Conjuring, and
"Psychology" in Nineteenth-Century
London

Sarah Kriger

Heads in hands: physiological
psychological rhetoric and laboratory
pedagogy in 1870's Britain.

Tom Quick

Musical Brainwashing: The Dangers of
Music between Cold War Psychology
and Reagan Era 'Satanic Panic'

James Kennaway

Saturday 24 July
Academic Sessions 5
9.00-11.00

John Tyndall and his Audiences

Venue: Catherine Gavin Room

Chair: Efram Sera Shriar

John Tyndall: Lecturing, Authority and Correspondence in Victorian Public Science

Graeme Gooday and Jamie Stark

Working Wonder: Tyndall and the Making of Victorian Scientific Performances

Iwan Morus

John Tyndall and Theology: The Definition and Boundaries of Science

Ursula DeYoung

Following your example at a distance:

The Carlylean balancing of John Tyndall and James Crichton-Browne

Mike Finn

Nuclear Science and the Cold War

Venue: Carnegie Room

Chair: Jeff Hughes

Niels Bohr's Philosophical

Background: a Thematic Proposal

Roberto Angeloni

Joseph Rotblat and the Manhattan Project

Martin Underwood

The atomic cloister: secrecy and the shaping of technical identity, 1940-60

Sean F. Johnston

Dad's Radioactive Army: Scientists, Engineers (and Philosophers) as

Volunteers after Chernobyl

Jon Agar

Artifacts: Material culture, music and sound

Venue: Multimedia Room

Chair: Tim Boon

Music Technology and Physical Effort

Katy Price

Bellowphones and Blowed Strings:

The Auxeto-Instruments of Horace

Short and Charles Algernon Parsons

Aleks Kolkowski

Stockhausen meets King Tubby: The stepped filter and its Influence as a musical instrument on two different styles of music

Sean Williams

The Oramics Machine and Daphne

Oram: Relationships between Instrument and Aesthetic

Mick Grierson

Biological and Biomedical Sciences

Venue: Taylor A 26

Chair: Daniele Cozzoli

"A Cell is Not an Animal": Crossing Species Barriers during the 1960s.

Duncan Wilson

Historiographical considerations on the introduction of protein

sequencing into Spanish biomedical research (1968-1998).

Miguel García-Sancho

OEC Welcome (9.30)

Venue: Taylor A 31

followed by 'Grants from the OEC', *Sabine Clarke*

Academic Sessions 6

11.30-1.00

Medieval

Venue: Catherine Gavin Room

Chair: Anna Marie Roos

Like Stirrups and Sugar: Polydore

Vergil and the Problem of Unknown Inventors

Shana Worthen

Evidence In Medieval Natural History:

Constructing natural knowledge in the

De animalibus of Albertus Magnus

Gwyndaf Garbutt

Human bodies in Ottoman medical texts and images

Rainer Brömer

Chemistry

Venue: Carnegie Room

Chair: *Matthew Eddy*

Pasteurising the brewery: applied science, internal history and trade defence

James Sumner

Chemical Atomism:

Underdetermination Revisited

Hasok Chang

The Relevance of Experimentation in Joseph Priestley's Studies on the Two Electrical Fluids

Elisa Cristina Oliosi

Nineteenth century

Venue: Carnegie Room

Chair: *Iwan Morus*

Great expectations in Modern Times -

Prefaces, intentions and fallacies in science textbooks of the 19th century

George N Vlahakis

Onwards facing backwards- Images of science in speeches and writings of 19th century Greek scientists

Konstantinos Tampakis

Savage Numbers: Counting and the Evolution of Civilisation, 1863--1892

Michael Barany

Geology and Earth Science

Venue: Taylor A 26

Chair: *Leucha Veneer*

An amalgam of contrasting theories behind the obtention of an accurate method of mineral analyses in the 18th Century

Andréa Bortolotto

Aesthetics of architecture and geology in Britain during the first half of the nineteenth century

Allison Ksiązkiewicz

How the Stomach Ruled William Buckland's Geology

David Allan Feller

Museums and Popular Science

Venue: Taylor A26

Chair: *Victoria Carroll*

"Visitors Welcome" – Teylers Museum around 1800

Martin Weiss

Palaeontology in Parts: Serializing Science in the *Penny Cyclopædia* 1833–43

Gowan Dawson

OEC: Making the Perfect War Horse: Exploring Object Centred Events

Venue: Multimedia Room

Elizabeth Hallam and Anna Maerker

OEC

Venue: Multimedia Room

Engaging Audiences at Aberdeen Museums

Jenny Brown

Academic Sessions 7

2.00-3.30

Bacon

Venue: Catherine Gavin Room

Chair: *Koen Vermeir*

Rereading Francis Bacon's *Novum Organum*

Ian G. Stewart

Francis Bacon and mechanical arts: the early Stuart patent system

Cesare Pastorino

Imagination in Bacon's Experimental Science

Doina-Cristina Rusu

Academic Sessions 8

4.15-6.15

Gender

Venue: Catherine Gavin Room

Chair: David Smith

Women in Genetics 1900 – 1930: New Scientific Workers in a New Discipline

Ida Stamhuis

Works' Chemist required . . Woman graduate preferred': gender and scientific employment in Britain during World War II

Sally Horrocks

Electricity, food production, and domestic spatiality in mid-twentieth century Britain

Emily Hankin

Are mothers naturally devoted?:

Animal models and the construction of maternal instinct in the French

Third Republic

Marion Thomas

A Speculum of Chymical Practice:

Isaac Newton, Martin Lister (1639-1712), and the Making of Telescopic Mirrors

Anna Marie Roos

Systems of Belief and Knowledge in the Early Modern Science

B. Thaliath

OEC: Songs of Science

Venue: Zeste

A partial, prejudiced and ignorant history of science in song

Melanie Keene

Mathematicians in love and three-foot rules: WJM Rankine's *Songs and Fables*

Ben Marsden

A Function of the Time: the postprandial proceedings of the Cavendish Society

Jeff Hughes

Darwin and Evolution

Venue: Carnegie Room

Chair: Fern Elsdon-Baker

Charles Darwin really was the naturalist on HMS Beagle

John van Wyhe

Wallace, spiritualism, and anthropology at the BAAS: A new interpretation

Juan Manuel Rodriguez Caso

Gavin de Beer and the notion of mosaic evolution

Silvia Caianiello

The evolutionary archive

Katrina Dean

Early Modern

Venue: Multimedia Room

Chair: Jennifer Rampling

Vampires and the powers of imagination: a study of the first medical tracts on vampirism (1659-1755)

Koen Vermeir

Poisonous Vapours: The

"Sadducismus Triumphatus" and

Joseph Glanvill's science of witchcraft

Julie Davies

Sunday 25 July

Academic Sessions 9

9.00-11.00

Eighteenth-century

Venue: Catherine Gavin Room

Chair : *Hasok Chang*

Apologetics in Eighteenth-Century

Europe: Beyond the Great Divide

José Alberto Silva

D'Alembert and Euler and mid-

eighteenth century rational

mechanics: What mechanics does not

tell us about the world

Stephen Gaukroger

18th Century Crossroads: Chemistry

and Medicine, Theory & Practice

Silvia Waisse, Ana M. Alfonso-Golfarb

& Marcia H. M. Ferraz

Dissecting the Soul: William Cullen

and Medical Theory during the

Scottish Enlightenment

Jeff Wolf

Visual

Venue: Carnegie Room

Chair: *Alexander Wragge-Morley*

Linnaeus and the visual

representation of nature

Isabelle Charmantier

Pictures and Pedagogy: the role of

diagrams in Feynman's early lectures,

1949-50

Ari Gross

The image as instrument. Moving

images in Albert Michotte's

Psychological Laboratory.

Sigrid Leyssen

New Perspectives on the Great Exhibition
and Crystal Palace

Venue: Multimedia Room

Chair: *Frank James*

Championing Science and the Great

Exhibition of 1851

Geoffrey Cantor

1851: Struggling To Describe The

Indescribable

Nick Fisher

Ethnology At The Crystal Palace:

Robert Gordon Latham, Visual

Enskilment, And Local Sites Of

Learning

Efram Sera-Shriar

Exhibiting The Visual: Photography

And The Crystal Palace

Geoffrey Belknap

Academic Sessions 10

11.30-1.00

Crossing boundaries: the practices of
marine natural history in the eighteenth
century

Venue: Catherine Gavin Room

Chair: *Anna Maerker*

The zoophyte problem, or, the

chemical animal in natural history

Susannah Gibson

Continents from animalcules

Alistair Sponsel

Classifying imperfection, or, how to

observe marine plants

Anne Secord

Instruments on Display

Venue: Carnegie Room

Chair: *Becky Higgitt*

Power Relationships in Basic

Measurement

Jane Wess

People, weather, objects: New stories

from the stores

Vicky Carroll

"Matter and light- From lightning to

X-rays: Removing the air" Teaching

proposal for the exploration of a

historical scientific instrument

collection

Flora Paparou

Science and Industry since World War II

Venue: Multimedia Room

Chair *t.b.c.*

European oil prospecting in the early

Cold War

Leucha Veneer

The Discovery of the Early

Antihistaminic drugs

Daniele Cozzoli

The making of an entrepreneurial

science: biotechnology in Britain,

1975-1995

Soraya de Chadarevian