

**From the Test-tube to the Autoanalyzer:
The Development of Chemical Instrumentation in the Twentieth Century
11th-12th August, 2000
Science Museum, South Kensington
London, England**

Joint Conference with the IUHPS/DHS Scientific Instrument Commission
and the Royal Society of Chemistry Historical Group

PROGRAMME

Thursday 10th August

7.00 onwards: Registration and reception with drinks and some food, Department of Physics
Imperial College

Friday 11th August

Session 1: 9.30am to 12.15pm

I. Different Approaches to the History of Chemical Instrumentation

Chair: David Edgerton (London)

Davis Baird (Columbia): Chemical Instrumentation, Material Knowledge

Joachim Schummer (Karlsruhe): The Impact of Instrumentation on Chemical Species Identity

Terry Shinn (Paris): Instrumentation: Between Science, State and Industry

Commentator: Arnold Thackray (Philadelphia) and James Bennett (Oxford)

Session 2: 1.30pm to 4.15pm

II. Structures, Spectra, and the Quest for Precision: The Chemical Sciences

Chair: Charles Rees (London) Charlotte Bigg (Cambridge): Adam Hilger Ltd. and the
Development of Spectrochemical Analysis

Carsten Reinhardt (Regensburg): Mass Spectroscopy and Structural Organic Chemistry

Leo Slater (Philadelphia): Organic Chemistry and Instrumentation: R.B. Woodward and the
Reification of Chemical Structures

Commentators: Carl Djerassi (Stanford) and David Knight (Durham)

7.30pm (for 8pm): Formal Dinner at the Polish Hearth Club, Exhibition Road. Speech by Dr
Robert Anderson, Director, British Museum. Tickets still available at £35 each, please contact
Peter Morris as soon as possible if you have not already booked.

Saturday 12th August

Session 1: 9.30am to 12.15pm

III. Detection and Control: The Environmental Sciences and the Chemical Industry

Chair: Jeffrey Johnson (Philadelphia)

Tony Travis (Jerusalem): Instrumentation in Environmental Chemical Analysis: Synthetic Organic Chemicals, Contaminated Water and Trace Metals

Peter Morris (London): The Evolution of the Electron Capture Detector and its Impact on the Monitoring of Pollutants

Stuart Bennett (Sheffield): Production Control Instruments in the Chemical Industry

Commentators: Ernst Homburg (Maastricht) and William H. Brock (Eastbourne)

Session 2: 1.30pm to 4.15pm

IV. Organisms, Automation, and Innovation: The Biomedical Sciences

Chair: Robert Bud (London)

Nicholas Rasmussen (Sydney): Bioassay: The Organism as Chemical Instrument

David Brock (Philadelphia): The Birth in the Clinic: The Story of the Autoanalyzer

Luigi Cerruti (Turin): The Impact of Chromatographic Techniques on Biochemistry and Life Sciences

Commentator: Christoph Meinel (Regensburg) and Pierre Laszlo (Prades)

5.00pm : depart for a meal before going to Shakespeare's Globe Theatre, Southwark, to see the opening night of "The Antipodes or, The World Turned Upside Down" by Richard Brome (pre-booked participants only).