

Plenary and Invited Lectures

Professor M G Banwell

Some aspects of pyrrole chemistry: teaching an old dog new tricks? the Department of Chemistry, National University of Singapore 28 May

Exploitation of metabolites from whole-cell biotransformations in the total synthesis of biologically active natural products, the Department of Chemistry, University of Exeter, 28 September

He also presented the following named lectures: The 2004 Nanjing University of Science and Technology International Exchange and Co-operation Lecture Series, Nanjing University of Science and Technology, Nanjing, China 1-2 June

The 2004 Boehringer-Ingelheim Lecture of the Ohio State University, *Chemoenzymatic methods for the synthesis of natural products*, the Department of Chemistry, Ohio State University, Columbus, Ohio, USA, 10 June; and at Boehringer-Ingelheim Pharmaceuticals Inc., Ridgefield, Connecticut, USA, 11 June

The 2004 Novartis Chemistry Lecture, Novartis Pharma, Basel, Switzerland, 22 September, and at the Novartis Horsham Research Centre, Horsham, UK, 27 September

Professor C J Easton

Gave an invited lecture on *Cyclodextrin based molecular reactors, machines and microelectronic devices* at the University of New South Wales, 21 September

Gave an invited lecture on *A free radical approach to developing enzyme inhibitors to regulate hormone levels* at Kobe Pharmaceutical University, Japan, on 12 November

Professor D J Evans

The fluctuation theorem, Moyal Medal Lecture, 22 October

Professor P M W Gill

[§] *Hartree-Fock-Wigner models for electron correlation*, Computational Chemistry Working Party Meeting Imperial College, UK, 30 March

[§] *Hartree-Fock-Wigner models for electron correlation*, Center for Computational Quantum Chemistry, University of Athens, USA, 7 April

[§] *Hartree-Fock-Wigner models for electron correlation*, Department of Chemistry, University of Sussex, UK, 14 May

[§] *A new type of functional for density functional theory*, Deutsche Forschungsgemeinschaft SPP 1145 Workshop Bonn, Germany, 24 May

[§] *Hartree-Fock-Wigner models for electron correlation*, Department of Chemistry, University of Cambridge, UK, 2 June

[§] *Optimal atomic charges sometimes look silly*, International Society of Quantum Biology and Pharmacology meeting Como, Italy, 6 June

Hartree-Fock-Wigner models for electron correlation, Department of Chemistry, University of Southern California, USA, 3 December

Describing electron correlation in position and momentum spaces, EPSRC "Mathematical challenges in quantum chemistry" Workshop, Warwick, UK, 13 December

[§] Denotes invited lectures presented prior to commencement at RSC

Professor L N Mander

Presented two invited lectures: *Enabling Strategies for the Assembly of Complex Polycyclic Natural Products* at the University of Canterbury, NZ, May 10; and at the University of NSW, October 27

The Cornforth Lecture, to the University of Sydney Chemical Society, October 13; and the 2004 Wilson Baker Lecture at the University of Bristol, UK, November 2



Dr P A Reynolds

The Structure of Explosives, Orica Emerging Science Symposium 2004, Melbourne, Australia, 12 November

Dr M S Sherburn

Using free radicals to fight cancer, why pacman should be chiral, and other short stories, the Institute for Molecular Bioscience, University of Queensland, 16 April

Short synthetic approaches to natural product frameworks, CSIRO Molecular Science, Melbourne, 30 September; and at the School of Chemistry, University of Melbourne, 1 October

Professor J W White

Invited after-dinner speaker: NanoScience – an Exciting Quest, Some Emerging Trends in Chemistry, Molecular Level Conference, RMIT, Melbourne, Australia, 12 March

Service to External Organisations

Professor M G Banwell: Chair, Editorial Advisory Committee, *Australian Journal of Chemistry*; Consultant, Genencor International Inc, Palo Alto; Consultant, Biota Holdings Ltd, Melbourne; Consultant, Cryptopharma Pty Ltd, Melbourne; Member, Editorial Boards, *Indian Journal of Chemistry (Section B)*, *Synlett*; Member, Board of Consulting Editors, *Tetrahedron*, *Tetrahedron Letters*; Asia-Pacific Representative, Advisory Committee to the International Society for Heterocyclic Chemistry; Member, Advisory Board, Special Centre for Green Chemistry, Monash University; Reader, ARC grant applications

Professor M A Collins: Committee member, Physical Chemistry Division, Royal Australian Chemical Institute (RACI)

Dr M L Coote: Member of the IUPAC task group on the *Kinetics of RAFT Polymerization* (organized by the IUPAC Macromolecular Division)

Dr N E Dixon: Visiting Lecturer, School of Chemistry, University of Sydney; Assessor, NH&MRC grant applications

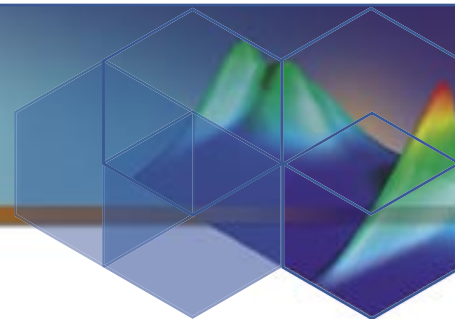
Professor C J Easton: Chair, Organic Chemistry Division, RACI; Chair, RACI Fellowships Committee (ACT Branch); Member, External Academic Advisory Board (Chemistry), Deakin University; Specialist Advisor, Tertiary Education Commission, New Zealand; Member, Editorial Board, *ARKIVOC*; Member, Referee Panel, *Chemical Communications*; Member, Editorial Advisory Board, *Current Organic Synthesis*;

Mini Reviews in Organic Chemistry; *Letters in Organic Chemistry*; Member, Board, Asian and Oceanian Cyclodextrin League; Member, Scientific Committee, Ninth International Society for Free Radical Research Conference, 2004; Chair, Organising Committee, 20th Royal Australian Chemical Institute Organic Conference; Member, Organising Committee, 29th International Symposium on Macrocyclic Chemistry; Chair, Organising Committee, Symposium on Free Radicals in Chemistry and Biology, Pacificchem 2005; Member, Management Committee, UniChe Program; Member, Advisory Board, Chirogen Pty Ltd; Chair, Organising Committee, 10th International Symposium on Free Radicals; Consulting Fellow, World Innovation Fund

Professor D J Evans: Australian Academy of Science; Member, Merit Allocation Committee, Australian Partnership in Advanced Computing (APAC); Member, Organising Committee, Liblice Conferences on Statistical Mechanics of Liquids; Member, Editorial Advisory Board, *Chemical Physics*; Member, Editorial Boards, *Molecular Simulation*, *Molecular Physics*; Assessor/Reader, ARC grant applications

Professor P M W Gill: International panel member for the Deutsche Forschungsgemeinschaft

Dr G A Heath: Member, Raman Microscope Steering Committee, University of Canberra; Member, IR Beamline Advisory Panel, Australian Synchrotron Research Program; Advisor, Chemical Criminalistics



Section, Australian Federal Police, Weston; Advisor, Conservation Department, National Gallery of Australia; Advisor, Cary Spectrometer Division, Varian Analytical Instruments, Melbourne; Advisor, National Museum of Australia

Professor A F Hill: Member, Referee Panel, *Chemical Communications*; Editor, *Advances in Organometallic Chemistry* (Academic Press); Member, Editorial Advisory Board, *Organometallics*; Member, International Editorial Advisory Board, *Dalton Transactions*; Assessor, ARC grant applications (international reader)

Professor E R Krausz: Committee Member, RACI Physical Chemistry; Assessor, DOE, NSF and ARC grant applications

Emeritus Professor L N Mander: Council Member and Member of Finance Committee, Australian Academy of Science; Member, Editorial Advisory Boards, *Current Organic Chemistry*, *Dictionary of Organic Compounds*, *Heterocycles*, *Natural Product Reports*, *Synthesis*, *Synlett*; Member, Board of Consulting Editors, *Tetrahedron*, *Tetrahedron Letters*; Assessor, ARC grant applications

Professor D L Ollis: Assessor, ARC and NH&MRC applications

Professor G Otting: Member, Editorial Board, *Journal of Biomolecular NMR*; Assessor, ARC, NH&MRC and ETH grant applications

Dr A J Oakley: Assessor, NH&MRC grant applications; Tutorial developer, Theoretical and Computational Biophysics Group, University of Illinois at Urbana, Champaign, IL, USA

Professor L Radom: Vice-president and President-elect, World Association of Theoretically Oriented Chemists; Co-organiser, John Pople Memorial Symposium, San Diego, March 2005; Member, Editorial Advisory Boards, *Advances in Quantum Chemistry*, *European Journal of Mass Spectrometry*, *International Journal of Quantum Chemistry*, *Journal of Computational Chemistry*, *Journal of Molecular Structure: Theochem*, *Journal of Physical Organic Chemistry*

Dr M S Sherburn: President-elect, ACT Branch, Royal Australian Chemical Institute; Secretary, ACT Branch,

Royal Australian Chemical Institute; Treasurer, 20th Royal Australian Chemical Institute Organic Chemistry Conference and 29th International Symposium on Macrocyclic Chemistry, Cairns, Queensland, 4–8 July; Treasurer, Organic Division, Royal Australian Chemical Institute

Professor T R Welberry: Co-editor, *Journal of Applied Crystallography*; Guest Editor, Special Issue of *Zeitschrift für Kristallographie* on 'Diffuse Scattering'; Member, National Committee for Crystallography of the Australian Academy of Science; Member, Single Crystal Instrument Advisory Team, Australian Nuclear Science and Technology Organisation; Alternate (for Professor J W White), Australian Synchrotron Research Program Policy and Review Board

Professor S B Wild: Consulting Editor, *Tetrahedron: Asymmetry*; Member, Editorial Advisory Board, Main Group Chemistry; Member, Selection Committee, Australian–German Research Cooperation Scheme; Guest Professor, PhD Program, University of Leipzig

Professor R L Withers: Member, Aperiodic Commission of the International Union of Crystallography; Member, Editorial Board, *Journal of Solid State Chemistry*; Member of Council, Society of Crystallographers in Australia and New Zealand (SCANZ); Australian Microscopy and Microanalysis Society (AMMS) Representative, Australian National Committee for Crystallography; Co-organiser, satellite workshop on *Structural Analysis of Aperiodic Crystals*, to be held in August 2005 in Florence preceding IUCr XX

Professor J W White: Member, Royal Australian Chemical Institute Steering Committee for review: *Future of Chemistry: Review of the Pathway to Chemists – from education to employment*; Member, RACI, Policy Committee; Member, RACI, Nominations Committee; Chair, National Committee for Crystallography, Australian Academy of Science; Chair, Advisory Committee on Replacement Research Reactor, Australian Academy of Science; Committee member, University of Chicago's Review of Chemistry Division, Argonne National Laboratory, USA; Chair, International Review Committee, Cooperative Research Centre for Polymer Blends; Member,



Emerging Science Panel, CSIRO; Program committee member for 8th International Conference on Surface X-ray and Neutron Scattering, Bad Honnef, Germany, 28 June - 2 July; Member, Prime Minister's Science, Engineering and Innovation Council Working Group on Antarctic Science; Chair, Scholarships Committee, Oxford-Australia Scholarship Fund; Vice-President, Australian Institute of Nuclear Science and Engineering; Chair, Management Committee of University-Industry Linkages in Chemistry (UniChe); Member, Australian Synchrotron Research Program Policy and Review Board; Member of International Advisory Board, Centre of Excellence for Nanotechnology, University of Queensland; Member, Council of the Asian Crystallographic Association; Member, Board of Governors, Consortium for Advanced Radiation Sources, CARS, University of Chicago; Member, International Science Advisory Committee, Central Laboratory of the Research Councils, UK; Member, ISIS Scheduling Panel, Rutherford Appleton Laboratory, UK; Member, Beam Instruments Advisory Group, Australian Nuclear Science and Technology Organisation; Member,

Council, Australian Academy of Science; Member, Council, Australian Institute of Nuclear Science and Engineering; Member, Neutron Scattering Specialist Committee, Australian Institute of Nuclear Science and Engineering; Member, Advisory Committee, School of Chemistry, University of Sydney; Member, Australian Academy of Science/Royal Society Exchange Program Committee; Chair, International Advisory Committee for Japanese Atomic Energy Research Institute/KEK J-PARC Project; Member, International Advisory Panel, Faculty of Science, National University of Singapore; Chair, Canberra Fellows Group, Australian Academy of Science; Member, Governing Board, Centre for Australian Cultural Studies; Member, Editorial Boards, *Advances in Physics*, *Current Opinion in Solid State and Materials Science*, *Journal of Materials Chemistry*, *Physical Chemistry Chemical Physics*; Assessor/Reader, ARC grant applications; Member, Institute for the Study of Christianity in an Age of Science and Technology; Founding member, International Society for Science and Religion

External Lectures and Courses

Dr N E Dixon

First-year special lecture in Molecular Biology and Genetics on *The Interface Between Chemistry and Biochemistry*, University of Sydney, 1 June

Professor C J Easton

Tasmanian Alkaloids Lecturer at the University of Tasmania, April-May