

Alfred Bader

Awards, Degrees and Honors

Bader Award -

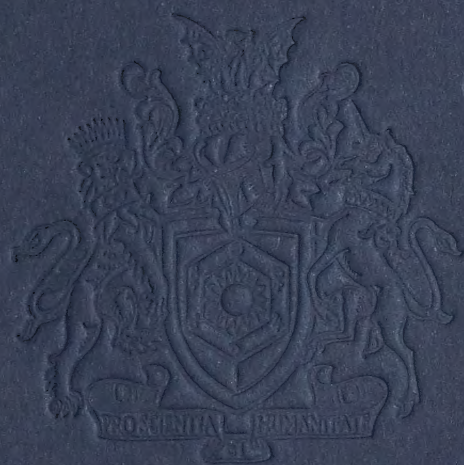
Royal Society of Chemistry

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Celebration of the
BADER AWARD
and
JOSEF LOSCHMIDT PRIZE
at the
ROYAL SOCIETY OF CHEMISTRY
London

In grateful recognition to
Alfred and Isabel Bader

BADER AWARD

This annual award was endowed by Dr Alfred Bader for eminence in organic chemistry and includes a prize of £2,000. There is no restriction on age, but those who have previously received an RSC Award or Prize are not eligible. The major part of nominee's work must have been conducted in an academic institution in the UK or the Republic of Ireland and the person must currently work in such an institution. In awarding the prize, the adjudication panel will take into account the work published by the nominee during the last five years.



Dr David Michael Hodgson CChem MRSC

Born in Wokingham, Surrey in 1964, Dr David Hodgson studied at the University of Bath, moving to the University of Southampton for his PhD in Organic Chemistry with Professor Philip Parsons (1986). Dr Hodgson began his academic career as a Lecturer in Organic Chemistry at the University of Reading, in 1995 he moved to the University of Oxford, where he was made Reader in 2004 and will be made a Professor in October 2006.

Married with two children, Dr Hodgson is interested in the synthesis of biologically active molecules. He was awarded the 1986 Robert Bolland Memorial Prize, 1991 Nuffield Foundation New Science Lecturer Award, 1999 GlaxoWellcome Award for Innovative Organic Chemistry, 2000 Pfizer Academic Award, 2000 AstraZeneca Research Award in Organic Chemistry and 2000/01 Liebig Lectureship from the German Chemical Society.

David Hodgson is a keen swimmer.

"Distinguished for his development of novel synthetic technology for use in total synthesis, including novel carbenoid, lithiation and epoxide chemistry."



Dr Robert Stansfield Ward CChem FRSC

Born in Morecombe, Lancashire in 1945, Dr Robert Ward was educated at Ilkley Grammar school. He graduated from Cambridge University and obtained his PhD with Professor Dudley Williams at Cambridge (1969). He was appointed Lecturer at the University of Wales, Swansea in 1970, promoted to Senior Lecturer in 1983 and to Reader in 1993.

Married with two children - both of whom are scientists with PhD's, Dr Ward has worked for many years on the structure and synthesis natural products especially lignans and neolignans, and has been a regular reporter on these topics for Natural Product Reports.

Robert Ward enjoys hill walking, hiking and art.

"Distinguished for his contributions to natural product chemistry, particularly concerning the synthesis of lignans including podophyllotoxins."



Professor Hamish McNab MRSC

Born in 1949 in Kirkcaldy, Scotland, Professor McNab was educated at the University of St. Andrews. He remained there to carry out his PhD research under the direction of Dr D Lloyd (1974).

Professor McNab spent the next two years at the Australian National University as research assistant to Professor Crow. In 1976 he joined Sir John Cadogan at the University of Edinburgh as Demonstrator. He was appointed to Lecturer in 1978, Senior Lecturer in 1990, Reader in 1992 and received a Personal Chair in Heterocyclic Chemistry in 2005.

Married with two children his professional interests lie in the application of Flash Vacuum Pyrolysis (FVP) in synthetic and mechanistic organic chemistry and heterocyclic chemistry, including the chemistry of Meldrum's acid.

Hamish McNab is a keen cricket player (leading bowler for Edinburgh University staff cricket club) and enjoys hill walking, squash and music (especially the flute).

'Distinguished for his many contributions to flash vacuum pyrolysis, to the chemistry of Meldrum's acid and to heterocyclic chemistry.'



Dr Stuart George Warren FRSC

Born in Bushey, Hertfordshire in 1938, Dr Stuart Warren was educated at Cheadle Hulme School, and Cambridge University. He completed his PhD with Professor Malcolm Clark on mechanistic organo-phosphorous chemistry (1963). He studied at Harvard with Professor Frank Westheimer, before returning to Cambridge as a Lecturer. He was appointed Reader in 2000.

Dr Warren has published over 250 papers on organic synthesis using phosphorus and sulphur. He has written seven organic chemistry books, with an eighth currently in production. He received the Pilkington Award from Cambridge University for Teaching and the RSC Higher Education Award.

Stuart Warren's other interests included cricket, acting, croquet and bridge.

"Distinguished for his contributions to organophosphorous and organosulphur chemistry, and for his outstanding achievements in chemical education at both undergraduate and postgraduate levels."



Professor David Ralph M Walton CChem FRSC

Born in Westcliffe-on-sea, Essex in 1936, Professor David Walton was educated at Westcliffe School for Boys. He completed his BSc and PhD (1963), working in collaboration with Professor Colin Eaborn on the reactivity of organosilicon and germanium compounds, at University College Leicester. He was awarded a DSc in 1971 and appointed Reader in 1975.

Married with two children, David Walton has been the editor of *Transition Metal Chemistry* since its conception in 1975.

"Distinguished for his fundamental interdisciplinary contributions to the synthesis of carbon-based materials and inorganic nanostructures, and for his elucidation of nanotube self-assembly mechanisms".



Dr Thomas L Gilchrist CChem FRSC

Born in York in 1937, Professor Thomas Gilchrist attended Archbishop Holgate's Grammar School, leaving with a State Scholarship. After a year in National Service (1958) he went to King's College London and completed a BSc in Chemistry followed by a PhD (1964) in Organic Chemistry under the supervision of Professor Charles Rees.

After a period of teaching in Africa he joined staff at the University of Leicester, before moving to the University of Liverpool in 1970. He stayed there for the rest of his academic career, retiring as a Reader in 2001.

Married with three children and three grandchildren, Professor Gilchrist worked on the synthesis of small ring heterocyclic compounds.

Thomas Gilchrist lives in Merseyside and enjoys gardening, walking, cycling, reading and the theatre.

"Distinguished for his contributions to heterocyclic chemistry and the development of novel heteroatom-containing dienes and dienophiles."



Professor Richard John Whitby CChem MRSC

Born in 1960, Professor Richard Whitby graduated with a BA in Natural Sciences from Cambridge University. He moved to the University of Leeds to study for a PhD under the supervision of Professor Peter George Sammes (1985).

Professor Whitby was appointed Lecturer at Southampton in 1988, promoted to Reader in 1996 and has been Professor of Organic Chemistry since 1999.

Richard Whitby works on the invention of new reactions using transition metals. In 1995 he was awarded the Society of the Chemical Industry 'Young Chemists' award, the Zeneca Research Award in Organic Chemistry and the Pfizer Research Award in Chemistry. He was awarded the 1996 GlaxoWellcome 'Innovative Chemistry' Research Award.

"Distinguished for his contributions to the applications of early transition metals to organic synthesis"



Dr Donald A Whiting

Born in Southend-on-Sea, Essex in 1937, Dr Donald Whiting was educated at Southend-on-Sea Grammar School before entering Kings College, London to study for his degree. He remained at Kings for his PhD working with Professor Leslie Crombie (1961).

Dr Whiting started as a Lecturer in Organic Chemistry in 1969, and was made a Reader in 1976. Married with two children and five grandchildren, he retired from the University of Nottingham in 2001.

Donald Whiting is a keen gardener, and he has recently completed the Royal Horticultural Society Advanced Certificate in Horticulture.

"For contributions to the synthesis, bisynthesis and structure elucidation of natural products."



Dr David Arthur Widdowson MRSC

Born in Leicester in 1939, Dr David Widdowson entered the University of Nottingham through an open scholarship in 1958. In 1961 he graduated from Nottingham and went on to Imperial College to work with Professor Hamish Sutherland for his PhD (1964). In 1965 he spent a year with Professor Alex Nickon at John Hopkins University in Baltimore, followed by a year at Imperial College with Professor Sir Derek Barton. In 1967 he took a position as Assistant Lecturer at Imperial College, becoming Lecturer in Organic Chemistry in 1968.

Awarded his DSc from the University of London in 1979, he was made Reader in 1982. In 1996 he became Director of Undergraduates Studies, at the Chemistry Department.



Professor Ian Paterson MRSC

Born in Dundee in 1954, Professor Paterson received his BSc in Chemistry from St. Andrews University. After completing his PhD from Cambridge University with Professor Ian Fleming (1979), he spent one year as a Research Fellow with Professor Gilbert Stork at Columbia University, New York. He returned to the UK as a Lecturer in Chemistry at University College London, before moving to Cambridge, where he was appointed Reader in Organic Chemistry in 1997 and then Professor of Organic Chemistry in 2001.

Professor Paterson's works on the synthesis of biologically active natural products and structural analogues. In 2004 he was awarded the Royal Society of Chemistry Robert Robinson Lectureship and in 2001 received the Royal Society of Chemistry Award in Synthetic Organic Chemistry. He received the 1993 Pfizer Award and the 1995 Merck Award in Chemistry. He was the first person to receive the AstraZeneca (ICI) Award in Organic Chemistry in 1990.

Ian Paterson is a keen gardener and enjoys walking, photography and travel.



Professor George William J Fleet CChem FRSC

Born in Stoke-on-Trent, Staffordshire in 1944, Professor George Fleet received his PhD from the University of Cambridge (1969), working with Professor Ian Fleming.

Professor Fleet began his career at Oxford in 1969 as Research Lecturer, before becoming a Junior Research Fellow in 1971. In 1972 he moved to Harvard to a Research Fellowship working with Professor Elias J Corey.

He is currently Professor of Organic Chemistry at the University of Oxford, working on carbohydrate chemistry.

In 1984 and 1985 Professor Fleet was awarded the Pfizer Award for Organic Synthesis. In 1999 he was awarded the Royal Society of Chemistry Haworth Lecturer Prize and in 2000 the Distinguished Roche Lecturer from the University of Colorado. Professor Fleet has published over 400 academic papers and has consulted for many of the leading pharmaceutical and biotechnology companies.

George Fleet is a keen traveller and has visited Japan and the USA.

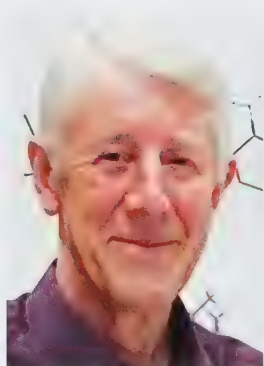


Professor Andrew Bruce Holmes MRSC

Born in 1943, Professor Andrew Holmes was educated at the University of Melbourne where he worked with Professor Lloyd Jackman. He completed his PhD with Professor Franz Sondheimer at University College London (1971).

After a lectureship at Cambridge, he became Director of the Melville Laboratory for Polymer Synthesis in 1994, and was promoted to a Reader in 1995 and a Professor in 1998. In 2004 he moved to become ARC Federation Fellow and inaugural VESKI (Victoria Endowment for Science Knowledge and Innovation) Fellow at the Bio21 Institute at the University of Melbourne.

Professor Holmes' research interests span a range of natural and non-natural synthetic targets. He was a recipient of the 1995 Materials Science Award, 2003 Tilden Medal and 2004 Macro Group Medal from the Royal Society of Chemistry. He was a 1999 Novartis Fellow, the Dauben Lecturer at Berkeley in 2000 and in 2002 the Aggarwal Lecturer at Cornell. His collaborations in a number of successful EU research networks led to the award of the Descartes Prize in 2003.



Professor Roger William Alder CChem FRSC

Born in 1937, Professor Roger Alder was educated at Rendcomb College, Cirencester and Oxford University. He received his DPhil for work in physical organic chemistry with Professor Mark Whiting (1962).

Married with three children and six grandchildren, Professor Alder is an Emeritus Professor of Organic Chemistry and Senior Research Fellow at the University of Bristol, where he started as an Assistant Lecturer in 1965.

Professor Alder is distinguished as the first to recognize and utilise the enhanced basicity of tertiary amines, and to develop a systematic relationship between geometry and properties in bridgehead amines. He received the 2002 Ingold Lectureship from the Royal Society of Chemistry and held a Leverhulme Emeritus Fellowship (2002-2004).

Roger Alder's other interests include sport, the environment, walking and photography.



Professor Martin R. Bryce MRSC

Born in Birmingham in 1953, Professor Martin Bryce received his BSc from Wolverhampton Polytechnic in 1975. Following a PhD from York University (1978) he spent a year at the University of British Columbia, Vancouver. On his return to the UK he worked with Professor Roger Alder at the University of Bristol, before moving to Durham in 1982.

Married with two children, Professor Bryce is a synthetic organic chemist, looking at the application of organic molecules in electronic and photonic devices. He received the 1992 RSC Interdisciplinary award and the 2002 Academic Collaboration in Europe Ciba-Giegy Award and Heterocyclic Chemistry Award (Astra Charwood).

Martin Bryce enjoys many outdoor activities including hill walking, gardening, sports and DIY.



Professor William Brank Motherwell CChem FRSC

Born in Falkirk in 1947, Professor William Motherwell received his BSc and PhD (1972) from the University of Glasgow. After his PhD he moved to Imperial College to work with Professor Sir Derek Barton. After 6 years in France he moved to Imperial College as a Lecturer in Organic Chemistry and was promoted to Reader in 1991.

Married with one child, Professor Motherwell is currently an Alexander Williamson Professor of Chemistry at University College London. He is interested in the application of organic reagents in the petrochemical and pharmaceutical industries. He received the 1983 Corday Morgan Medal and Prize, 1994 Merck-Frost Lectureship and 1999 Tilden Medal and Lectureship.

William Motherwell enjoys music, reading and football.



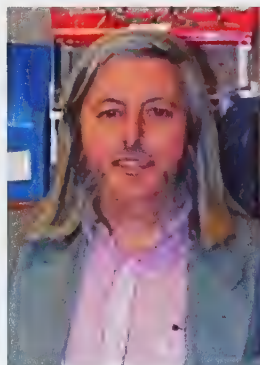
Professor Dudley Howard Williams CChem FRSC FRS

Born in Leeds, in 1937 Professor Dudley Williams was educated at the University of Leeds and Stanford University.

Married with two children, Professor Williams was made Assistant Director of Research in the Chemistry Department at the University of Cambridge in 1966, a Reader in Organic Chemistry in 1974 and a Professor of Biological Chemistry in 1996.

In 1971 Professor Williams co-discovered the metabolism of vitamin D, and the mechanism of action of glycopeptide antibiotics which inhibit resistant bacteria. He received the 1966 Meldola Medal from the Royal Institute of Chemistry, 1968 Corday-Morgan Medal, 1984 Royal Society of Chemistry Award for Structural Chemistry, 1996 American Chemical Society Leo Friend Award, 2001 Paul Ehrlich Award for Medicinal Chemistry (France) and the 2003 Royal Society of Chemistry Merck Research Prize.

Dudley Howard enjoys music and gardening.



Professor Steve G Davies CChem MRSC

Born in 1950, Professor Steve Davies received his BA and D. Phil (1975) working with Dr Gordon Whitham, from the University of Oxford.

After an ICI Postdoctoral Fellowship (1975-1977) with Professor Malcolm Green and a NATO Fellowship (1977-1978) with Professor Sir Derek Barton, Professor Davies returned to Oxford in 1980 to a lectureship and Professorship in the Chemistry Research Lab.

His professional interests include total synthesis of natural products. He has received a variety of awards for his contribution to organic synthesis, including the 1984 Hickinbottom Fellowship, 1985 and 1998 Pfizer Award for Chemistry, 1987 Royal Society of Chemistry Award for Organometallic Chemistry, 1996 Tilden Lecture Award, 1997 Royal Society of Chemistry Award in Stereochemistry and in 1998 the Prize Lectureship of the Society of Synthetic Organic Chemistry, Japan. He is also a member of the Executive Editorial Board for Tetrahedron publications, and Founder and Editor in Chief for Tetrahedron: Asymmetry.

JOSEF LOSCHMIDT PRIZE

This prize of £2,000 was founded by an endowment from Dr Alfred Bader. It is awarded biennially for excellence in physical organic chemistry relating organic structures, reactivity and reaction mechanisms. There is no restriction on age, but those who have previously received an RSC Award or Prize are not eligible. The major part of the nominees work must have been carried out in an academic institution the UK or the Republic of Ireland and the person must currently work in such an institution. In awarding the prize, the adjudication panel will take into account the work published by the nominees during the last five years.



Dr Thomas William Bentley MRSC

Born in Tyne and Wear in 1945, Dr Thomas Bentley graduated from Imperial College, London and completed a PhD (1969) at the University of Liverpool, with Professor Robert Johnstone. After two years as a Visiting Research Fellow at Princeton University and a further year at Liverpool as a Senior Research Assistant, he was appointed Lecturer at the University of Swansea in 1973.

A father of three, Dr Bentley is interested in the mechanisms and reactivity in organic chemistry. In 1996 he was awarded his DSc from the University of Liverpool. Dr Bentley was a member of the Royal Society of Chemistry's Journals Committee as well as the Committee of the Organic Reaction Mechanisms Group.

Thomas Bentley enjoys travelling and has frequently visited South America and Europe. Other interests include cricket, football and rugby.

"Distinguished for his contributions to the understanding of mechanism and reactivity in organic chemistry, including reaction kinetics, solvent effects and phase transfer catalysis."



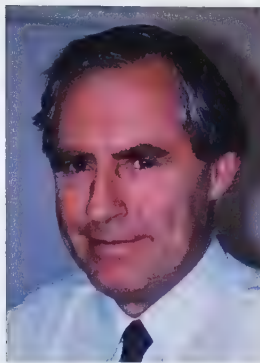
Dr Michael Richard Crampton CChem FRSC

Born in 1942 in Reading, Dr Crampton was educated at Kings College London where he was awarded a BSc and PhD (1965). His PhD with Professor Victor Gould, included ^1H NMR studies of the interactions of aromatic nitro-compounds with bases.

Married with two children, Dr Crampton is interested in kinetic and mechanistic studies of reactions in solution. He was appointed Lecturer at Durham in 1965, received his DSc (London) in 1976, and became Reader in 1990.

Michael Crampton enjoys country walking and travelling in the UK and abroad.

"Distinguished for his contributions to physical organic chemistry, particularly concerning nucleophilic aromatic substitution."



Professor Roger Taylor MRSC

Born in 1935 in Edmonton, London Professor Roger Taylor was educated at Latymer School. He obtained his BSc and PhD (1959) at University College Leicester working with Professor Colin Eaborn. Before his appointment as Lecturer at the University of Sussex in 1963, he was a Fulbright scholar at Washington State University and a NATO Fellow at Oxford. His work was recognised by a DSc from the University of London in 1972.

Roger Taylor, died in February 2006 aged 70. He is survived by his wife, two children and three grandchildren.

"Distinguished for his outstanding achievements in physical organic chemistry, particularly in relation to electrophilic aromatic substitution reactions and the chemistry of fullerenes."



Dr Neil S Isaacs CChem FRSC

Born in 1934, Dr Neil Isaacs received a PhD from the University of Southampton on the mechanisms of epoxide chemistry. He went on to study alkaloid biogenesis at the National Research Council of Canada and enzyme kinetics at Caltech.

In 1996 he moved to the University of Reading where he undertook the introduction of physical organic courses and research on a variety of mechanistic topics including mass spectrometric fragmentations and studies of weak complexes. His major research interests are in the application of high pressures to organic reactions.

"Distinguished for his contributions to physical organic chemistry, in particular his studies of ultra high pressure chemistry".



Professor Richard James Bushby

Born in 1944, Professor Richard Bushby was educated at Bedford Modern School and Imperial College, London. With a PhD from Oxford, and a year spent at Yale University working with Professor Jerome Berson, he moved to the University of Leeds as a Lecturer in Organic Chemistry.

Married with two children, Professor Bushby was appointed Reader in Organic Chemistry in 1994 and then Professor in Physical Organic Chemistry in 1999. He has been a Research Professor since 2004 and his current research is almost wholly concerned with biomembranes and liquid crystals.

Richard Bushby remembers Alfred Bader's remarkable memory, and was touched by the personal interest he showed in the early stages of his career.

"For work on the structure and properties of carbanions, and for the design, synthesis, structure and physical properties of novel liquid crystalline materials"



Professor Henry S Rzepa

Born in London in 1950, Professor Rzepa was educated at Wandsworth Comprehensive School, and Imperial College London. Following a PhD with Professor Brian Challis (1974), he spent three years in Austin Texas with Professor Michael Dewar in the then emerging field of computational chemistry.

Married with three children - all of whom are working in the chemical sciences, Professor Rzepa is a contemporary computational organic chemist and has been a Reader of Organic Chemistry Imperial College, London since 1991. He is the 2002 winner of the Pfizer Award for Teaching Excellence.

Henry Rzepa is a keen motorcyclist and enjoys squash, cricket, and walking. He also enjoys listening to classical music, and is interested in the history of science, including research on Josef Loschmidt.



Professor Jeremy Sanders CChem FRSC

Born in London in 1948, Professor Jeremy Sanders was educated at Wandsworth School and Imperial College, London. He received his PhD from the University of Cambridge (1972).

Married with two children, Professor Sanders is interested in molecular recognition, aiming to uncover and exploit the rules governing non-covalent interactions.

Professor Sanders received the 1975 Meldola Medal from the Royal Institute of Chemistry, 1981 Hickinbottom Award from the Royal Society of Chemistry, 1984 and 1988 Pfizer Academic Award, 1996 Royal Society of Chemistry Pedler Medal and Prize, and 2003 Izatt - Christensen Award in Macrocyclic Chemistry (USA).



Professor Tom Brown CChem FRSC FRSE

Born in Barnsley, South Yorkshire in 1952, Professor Tom Brown was educated at Broadway Grammar School. He received his BSc, and PhD (1979) from the University of Bradford. After several post doctoral positions, Professor Brown moved to the University of Edinburgh and was promoted to Reader in 1991 and Professor of Nucleic Acids Chemistry in 1993. In 1995 he moved to Southampton, becoming Professor of Bio-Organic Chemistry in the School of Chemistry.

Married with two children - both of whom are Chemistry graduates from the University of Oxford, Professor Brown is interested in the applications of nucleic acids chemistry to forensic and genetic analysis. He received the 1992 Society of Edinburgh MacDougall-Brisbane Prize for research in structural chemistry, and was awarded the Royal Society of Edinburgh Caledonian Research Fellowship.

Tom Brown is a keen gardener and enjoys many sports.

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