

## JOHN A. MCRAE

Dr. John Alexander McRae, M.A. (Queen's), Ph.D., D.Sc. (Manchester), LL.D. (Queen's), F.R.I.C., F.R.S.C., was Head of the Department of Chemistry from 1941 to 1956 and member of the chemistry staff for 44 years. After retiring, Dr. McRae was Emeritus Professor of Chemistry until his death in 1960.

Dr. McRae graduated from Queen's University with an M.A. in 1909 and joined the University as a lecturer this same year. From 1910 to 1911, he was a lecturer at the University of Toronto, returning to Queen's the following year. With the exception of the years 1919-1921, during which he attended Manchester University to obtain his Ph.D. and D.Sc., he carried out the remainder of his career at Queen's.

John McRae was elected a Fellow of the Royal Society of Chemistry in 1938 and was a fellow of the Royal Institute of Chemistry and of the Chemical Institute of Canada. After retiring in 1956, Dr. McRae was honoured with a degree of Doctor of Laws from Queen's.

The McRae memorial lectures were established by donations from former students, with the first J.A. McRae Memorial lecture being given by R.H.F. Manske in 1964.

## SELECTED RECENT PUBLICATIONS

- Semi-perfluoroalkyl Polyfluorene with Varying Fluorine Content: Synthesis and Photophysical Properties, G.E. McCluskey, S.E. Watkins, A.B. Holmes, C.K. Ober, J.-K. Lee and W.W.H. Wong, *Polym. Chem.*, 2013, **4**, 5291-5296. DOI: 10.1039/C3PY00124E, published on the web, 8 Mar, 2013.
- Enhancement of Efficiency in Organic Photovoltaic Devices Containing Self-Complementary Hydrogen-Bonding Domains, R.J. Kumar, J. Subbiah and A.B. Holmes, *Bellstein J. Org. Chem.*, 2013, **9**, 1102-1110, DOI: 10.3768/bjoc.9.122, published on the web, 6 June, 2013.
- Enhanced Photovoltaic Efficiency of Light-Triggered Self-Assembly, K. J. Kumar, Q. I. Churches, J. Subbiah, A. Gupta, A. Ali, R.A. Evans and A.B. Holmes, *Chem. Commun.*, 2013, **49**, 6552-6554, DOI: 10.1039/C3CC43841D, published on the web, 30 May, 2013.
- Photophysics and Morphology of a Polyfluorene Donor Acceptor Triblock Copolymer for Solar Cells, C. Yan, A.J. Cadby, A.J. Parnell, W. Tang, M.W.A. Skoda, D. Mohammed, S.P. King, L.X. Reynolds, S.A. Haque, T. Wang, A.J. Parnell, A.B. Holmes, R.A.L. Jones and D. Jones, *J. Polym. Sci., Polym. Phys.*, 2013, **51**, 1705-1718, DOI: 10.1002/polb.23386m accepted for publication.
- Poly(phenylene vinylene)s, W. W. H. Wong, H. Seyler and A. B. Holmes in *Conjugated Polymers: A Practical Guide to Synthesis*, K. Müllen, J.R. Reynolds and T. Mashuda, Eds., Royal Society of Chemistry, Cambridge, 2014, Ch. 7, pp. 134-155, ISBN: 978-1-84973-799-9m DOI: 10.1039/9781849739771-00134.



### Department of Chemistry Queen's University

is honoured to host the  
2014 McRae Lecturer:

Prof. Andrew B. Holmes  
Melbourne University Laureate  
Professor  
CSIRO Fellow  
Emeritus Professor and Distinguished  
Research Fellow, Imperial College



"Organic Electronic Materials: a  
Licence to Print Money "

Friday, March 21, 2014  
11:30 AM  
Room 117, Chernoff Hall

## PROFESSOR ANDREW HOLMES



**Andrew Holmes**

**Melbourne University Laureate Professor  
CSIRO Fellow  
Emeritus Professor and Distinguished Research Fellow,  
Imperial College**

Andrew Holmes was an undergraduate at the University of Melbourne, a PhD student (with Professor Franz Sondheimer) at University College London and Royal Society European Postdoctoral Fellow at the ETH-Zürich (with Professor A. Eschenmoser). He was appointed to a Demonstratorship at Cambridge in 1972 where he remained for thirty-two years, ultimately as Professor of Organic and Polymer Chemistry and Director of the Melville Laboratory for Polymer Synthesis. In 2004 he was awarded an ARC Federation Fellowship and Inaugural VESKI Fellowship at the Bio21 Institute in the University of Melbourne. He is now a CSIRO Fellow at CSIRO Materials Science and Engineering, a University of Melbourne Laureate Professor at the University of Melbourne, Distinguished Research Fellow at Imperial College and was the Newton Abraham Visiting Professor, University of Oxford in 2011-12. He is a Life Fellow of Clare College. His research interests involve applications of synthesis to materials science and biology. He has made extensive contributions in the area of light emitting and photovoltaic devices.

Professor Holmes is a co-recipient of the Descartes Prize 2003. In May, 2000 he was elected FRS. He was appointed AM in the Australia Day Honours List in 2004 and he was elected FAA in March 2006 and FTSE in November 2006. In November 2012 Andrew Holmes received the Royal Medal for applied and interdisciplinary sciences from the Royal Society. He is Foreign Secretary and President-elect of the Australian Academy of Science. From 2000-2003 he was Chairman of the Editorial Board of *Chemical Communications* and he has been an Associate Editor of *Organic Letters* since April 2006. He is a member of the CSIRO Publishing Advisory Board.

## SELECTED HONOURS & AWARDS

- Foreign Secretary and President-elect of the Australia Academy of Science
- Member of the CSIRO Publishing Advisory Board
- **2012** Royal Medal for Applied and Interdisciplinary Sciences from the Royal Society
- **2006-present** Associate Editor of *Organic Letters*
- **2006** Elected FAA
- **2006** Elected FTSE
- **2004** Appointed AM in the Australia Day Honours List
- **2003** Co-recipient of the Descartes Prize
- **2000-2003** Chairman of the Editorial Board of *Chemical Communications*
- **2000** Elected FRS