

J.K.N. JONES

John Kenyon Netherton Jones, Ph.D. Birmingham University. Assistant lecturer and then lecturer at Bristol University 1936-1944, he was engaged in munitions research and training during the Second World War. He resigned at the end of the war with the rank of captain, and returned to academic work as senior lecturer at Manchester University 1945-1948 and then as reader in chemistry at Bristol University 1948-1953. He came to Queen's in 1953 as Chown Research Professor of Chemistry, a position he held until his death in 1977.

Professor Jones' outstanding achievements in carbohydrate chemistry were recognized by his election as Fellow of the Royal Society of London in 1957 and of the Royal Society of Canada in 1959. The Division of Carbohydrate Chemistry of the American Chemical Society presented him with the Claude S. Hudson Award in 1969, and in 1975 he received the Anselme Payen Award from the Cellulose, Paper and Textile Division. In March 1975 he was awarded the third Sir Norman Haworth Memorial Medal of The Chemical Society (London).

Professor Jones was, at all times, an educator of the highest rank and an inspiration to a large number of graduate students, from whom he evoked, as a result of his enthusiasm, sincerity, and gentle character, tremendous respect and affection. All of his students, former research associates, colleagues, and friends will long remember this truly fine and outstanding gentleman.

The J.K.N. Jones Visitorship was established in memory of Professor Jones, and is funded by the income from the bequests made in his name by his friends, colleagues and former students.

PREVIOUS JONES LECTURERS

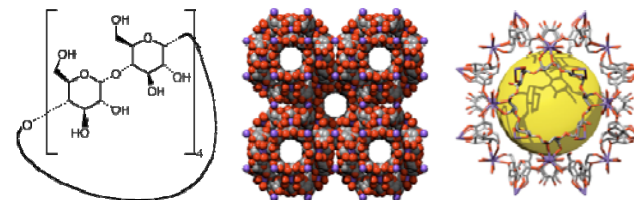
- 2011 • *J.A. Caruso*
- 2010 • *T. Marks*
- 2010 • *G. van Koten*
- 2009 • *P.B. Corkum*
- 2008 • *M. Gruebele*
- 2005 • *W. Klemperer*
- 2001 • *G. Ozin*
- 1997 • *M.S. Brookhart*
- 1993 • *B.O. Fraser-Reid*
- 1990 • *S. Hanessian*
- 1982 • *R. U. Lemieux*



Department of Chemistry Queen's University

is honoured to host the
2012 Jones Lecturer:

Prof. J Fraser Stoddart
Northwestern University
Evanston, Illinois, USA



Public Lecture

"Mingling Art with Science"

Thursday, March 22, 2012
5:30 pm
Chernoff Auditorium

Departmental Lecture

"Nanoporous Carbohydrate Metal-
Organic Frameworks"

Friday, March 23, 2012
11:30 am
Room 117, Chernoff Hall

PROF. J. FRASER STODDART



Professor J. Fraser Stoddart

Board of Trustees Professor of Chemistry
Northwestern University, Evanston, Illinois

Fraser Stoddart BSc (1964) and PhD (1966) from Edinburgh University. In 1967, he went to Queen's University (Kingston) as a National Research Council Postdoctoral Fellow, and then, in 1970, to Sheffield University as an Imperial Chemical Industries (ICI) Research Fellow, before joining the academic staff as a Lecturer in Chemistry. He was a Science Research Council Senior Visiting Fellow at the University of California, Los Angeles (UCLA) in 1978. After spending a sabbatical (1978-81) at the ICI Corporate Laboratory in Runcorn, he returned to Sheffield where he was promoted to a Readership in 1982. He was awarded a DSc degree by Edinburgh in 1980 for his research into stereochemistry beyond the molecule. In 1990, he took up the Chair of Organic Chemistry at Birmingham University and was Head of the School of Chemistry there (1993-97) before moving to UCLA as the Saul Winstein Professor of Chemistry in 1997. He joined the faculty at Northwestern University as a Board of Trustees Professor of Chemistry in 2008.

Stoddart is one of the few chemists of the past quarter of a century to have created a new field of organic chemistry — namely, one in which the mechanical bond is a pre-eminent feature of molecular compounds. He has pioneered the development of the use of molecular recognition and self-assembly processes in template-directed protocols for the syntheses of two-state mechanically interlocked compounds (bistable catenanes and rotaxanes) that have been employed as molecular switches and as motor-molecules in the fabrication of nanoelectronic devices and NanoElectroMechanical Systems (NEMS).

Stoddart has published over 875 publications, and the high number of citations have garnered an h-index of 94. He has given over 1,000 plenary/invited lectures.

Prof. Stoddart's CV can be found at: http://stoddart.northwestern.edu/Index.php?View=Fraser_Stoddart/General.php

SELECTED HONOURS & AWARDS

- The Royal Society's Davy Medal (2008)
- The American Chemical Society's Cope Award (2008)
- Appointed by Her Majesty Queen Elizabeth II as a Knight Bachelor in her 2007 New Year's Honours List for his services to chemistry and molecular nanotechnology
- The Foresight Nanotech Institute Feynman Prize in Nanotechnology (Experimental) (2007)
- The Albert Einstein World Award of Science (2007)
- The Tetrahedron Prize for Creativity in Organic Chemistry (2007)
- The King Faisal International Prize in Science (2007)
- The Nagoya Gold Medal in Organic Chemistry (2004)
- The American Chemical Society's Cope Scholar Award (1999)
- The International Izatt-Christensen Award in Macrocyclic Chemistry (1993)
- The Carbohydrate Chemistry Award of The Chemical Society (1978)