

## 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

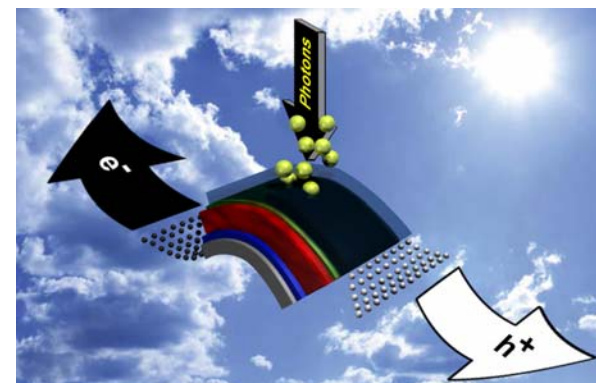
- 2010 • *G. van Koten*
- 2009 • *P.B. Corkum*
- 2008 • *M. Gruebele*
- 2005 • *W. Klemperer*
- 2001 • *G. Ozin*
- 1997 • *M.S. Brookhart*
- 1993 • *B.O. Fraser-Reid*
- 1990 • *S. Hanessian*
- 1982 • *R. U. Lemieux*



Department of Chemistry  
Queen's University

is honoured to host the  
2011 Jones Lecturer:

Prof. Tobin Marks  
Northwestern University  
Evanston, Illinois, USA



"Plastic Solar Cells"

Friday, October 1, 2010  
11:30 am  
Room 117, Chernoff Hall

## PROF. TOBIN MARKS



### Professor Tobin J. Marks

Charlest E and Emma H. Morrison Professor of Chemistry  
Professor of Materials Science and Engineering  
Vladimir N. Ipatieff professor of Catalytic Chemistry  
Northwestern University

Professor Tobin Marks received a B.S. degree from the University of Maryland (1966) and Ph.D. from MIT (1971) in Chemistry. He is a member of US National Academy of Science (1993), a fellow of American Academy of Arts and Sciences (1993), a fellow of Royal Society of Chemistry (UK, 2005), a member of German National Academy of Sciences (2005), a fellow of Chemical Research Society of India (2008) and Materials Research Society (2009). He is an associate editor of *Organometallics*.

His research fields are highly interdisciplinary that encompass organometallic chemistry, organic photonics, metal organic chemical vapor deposition and molecular electronics. He has made important and distinguished contributions in catalysis, organolanthanide chemistry, materials chemistry, organic light emitting diodes and organic solar cells. His research achievements have been recognized by many prestigious awards including the US National Medal of Science (2005). He has mentored more than 100 Ph.D. students and more than 100 postdoctoral fellows. More than 90 of his former students and postdoctoral fellows hold academic positions worldwide. He has over 900 publications and 88 patents. His h-index is 102.

His current research interests concern the study of hydroelement reactions (e.g. hydrosilation, hydroalkoxylation, hydroamination) using organolanthanide compounds as the catalysts, the investigation of bimetallic compounds and nanocomposite in polymer catalysis, the development of novel active layers, electron blocking layers, transparent oxide thin films for organic photovoltaic devices, the modeling of organic photovoltaic cells, and the development of MOCVD technologies, inorganic and organic semiconducting materials and applications.

## SELECTED HONOURS & AWARDS

- US National Medal of Science (2005)
- American Institute of Chemists Gold Medal (2002)
- Burwell Award, North American Catalysis Society (2001)
- ACS national awards: Polymeric Materials (1983), Organometallic Chemistry (1994), Chemistry of Materials (2001), Distinguished services in the Advancement of Inorganic Chemistry (2008), Organic Chemistry (Cope Scholar, 2010)
- Nelson W. Taylor Award, Department of Materials Science and Engineering at Penn State U. (2009)
- Herman Pines Award, Catalysis Club of Chicago (2009)
- Principe de Asturias Prize for Technical and Scientific Research (Spain), (2008)
- American Chemical Society Award for U. Pierre et Marie Curie Institut Universitaire de France Professor (2005)
- John Bailar Medal, University of Illinois (2005)
- University of Maryland Alumni Hall of Fame (2005)
- Sir Edward Frankland Prize, Royal Society of Chemistry (2004)
- Evans Medal, Ohio State U. (2003)
- Karl Ziegler Prize, Gesellschaft Deutscher Chemiker (2003)
- Linus Pauling Medal, Oregon-Washington ACS Sections (2001)
- Williard Gibbs Medal, ACS Chicago Section (2001)
- Cotton Medal, ACS Texas A&M Section (2002)
- Paolo Chini Award, Italian Chemical Society