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## Curriculum Vitae Professor Dr. John Barry Dawson

**Name:** John Barry Dawson  
**Born:** 19 June 1932  
**Family Status:** widowed, three children



### Academic and Professional Career

2007 Appointed Senior Honorary Professorial Fellow, College of Science and Engineering,  
University of Edinburgh, UK

since 1997 Emeritus Professor of Geology, University of Edinburgh, UK

since 1993 Chartered Geologist

1989 - 1997 Professor of Geology, Department of Geology and Geophysics, University of  
Edinburgh, UK

1978 - 1989 Sorby Professor of Geology, University of Sheffield, UK

1972 D.Sc. University of St Andrews, UK

1964 - 1978 Successively Lecturer, Reader (1972) and Personal Professor (1975), Department of  
Geology, University of St Andrews, UK

1962 - 1964 National Research Council of Canada, Post-Doctoral Fellow, Department of Geology,  
Dalhousie University, Halifax, Canada

- 1960 - 1962 Geologist, Tanganyika Geological Survey
- 1960 Research student in the Research Institute of African Geology, University of Leeds, UK; Ph.D. for thesis
- 1957 B.Sc. (First Class Honours) in Geology
- 1953 - 1960 University of Leeds, UK

### **Project coordination, Membership in collaborative research projects (Selection)**

- 1974 - 2006 Collaborative research, University of Chicago, USA
- 1973 Visiting Senior Research Scientist, Department of Geochemistry, University of Cape Town, South Africa
- 1970 - 1975 Collaborative research, NASA, Houston, USA

### **Functions in Scientific Societies and Committees (Selection)**

- 1999 - 2001 Expert Evaluator, Natural Hazards Research Programme, European Commission
- 1997 Conference, Royal Society of Edinburgh,
- 1986 - 1998 Chairman, International Kimberlite Conference Advisory Committee
- 1985 - 1989 Corresponding Member, British National Committee for Geology ; Member of organising committee, James Hutton Bicentennial
- 1985 - 1988 Member of British National Committee for the Lithosphere
- 1984 Co-Convenor of joint Geological Society/ Alfred Wegener Foundation symposium on "The Nature of the Lower Continental Crust"
- 1976 - 1984 Member of Editorial Board of Transactions of the Royal Society of Edinburgh (Earth Sciences) (Member 1990-92; Chairman 1993-1996)
- 1973, 1978 Co-Convenor of First (1973) and Second (1978) International Kimberlite Conferences
- 1974 - 1978 Member, Scientific Advisory Board, Scottish Universities Research and Reactor

Centre

1968 - 1971 Member of Editorial Board of the Scottish Journal of Geology

### **Honours and Awarded Memberships (Selection)**

2012 Collins Medal, Mineralogical Society of Great Britain and Ireland

1999 Clough Medal, Geological Society of Edinburgh, UK

1999 Proceedings volume of the 7<sup>th</sup> International Kimberlite Conference named "The J.B. Dawson Volume"

1994 Elected to Fellowship of the German Academy of Scientists Leopoldina (since 18 Feb 2008 German National Academy of Sciences)

1988 N.L.Bowen Award - American Geophysical Union

1974 Sykes Gold Medal, University of St Andrews, UK

1972 Elected to Fellowship, Royal Society of Edinburgh, UK

## Major Scientific Interests

My research has been in two main areas (1) the mineral chemistry of fragments of the earth's upper mantle (xenoliths) brought to the surface during the eruption of the 150 -80 million-years-old kimberlites from southern Africa (Lesotho and South Africa); and

(2) the relatively-young (<6 million years) volcanic rocks and associated xenoliths from northern Tanzania. In northern Tanzania, I have been particularly involved in the geology of the active carbonatite volcano Oldoinyo Lengai, having made the first geological maps, and recognised the unique properties of the modern lavas. The common thread of my research has been the mineralogical make-up of the upper mantle, and the incipient melting of mantle materials to form low-volume melts, including kimberlites and carbonatites.

Sources of research funding have been N.E.R.C., the Royal Society, the Carnegie Trust for the Universities of Scotland, the Royal Society of Edinburgh, De Beers Consolidated Mines, the Institute of Mining and Metallurgy and N.A.T.O.

My research has resulted in >190 papers in international, peer-reviewed journals, one monograph on kimberlites (that has been translated into both Russian and Chinese), and a monograph on Tanzanian volcanoes published by the Geological Society of London (Memoir 33)