

John Gordon Collier

John Gordon Collier passed away on November 18, 1995.

He was Chairman of Nuclear Electric plc, England's state-owned nuclear power utility. Previously he held the posts of Chairman of the UKAEA (United Kingdom Atomic Energy Authority); Director-General of the Generating and Construction Development Division of the Central Electricity Generating Board; Head of the Atomic Energy Technical Unit at Harwell; Head of the Chemical Engineering Division, also at Harwell; and earlier held responsible positions with Atomic Energy of Canada, Ltd., and Atomic Power Constructions, Ltd.

John Collier was born on January 22, 1935. He received a First Class Honors Degree B.Sc. (Chemical Engineering) from University College, London in 1956. After graduating, he began his work on reactor heat transfer systems at AERE, Harwell, notably for steam and gas-cooled, heavy water moderated reactors. From there, John joined the reactor heat transfer team designing the CANDU reactor system in Canada. He later returned to Harwell to lead the research on use of liquid metals as reactor coolants.

John Collier was one of the world's leading authorities on two-phase flow and boiling, as evidenced by his authoritative book *Convective Boiling and Condensation*, first published in 1972 and rewritten in its third edition in 1994. The book is used as a textbook and reference in leading universities and nuclear research laboratories throughout the world. Notably, he played a key role in establishing two-phase flow as a scientific discipline. John Collier also played a leading role in the development of Great Britain's nuclear power industry.

John Collier was a Fellow of the Royal Society, the Royal Academy of Engineering, the Institutions of Chemical, Mechanical, and Nuclear Engineering, and the Institute of Energy. He held an honorary Doctorate of Science from Cranfield Institute of Technology and an honorary Doctorate of Engineering from Bristol University. John was a Calvin Rice Lecturer and an honorary lifetime member of the American Society of Mechanical Engineers.

The international heat transfer community wishes to extend this tribute to John G. Collier for his dedication to two-phase flow and heat transfer engineering and his leadership in the safe use of nuclear power.