

János Miklós Beér

Born: Budapest, February 27, 1923

Married: Marta Gabriella Csató, 1944

Education:

1942 – 1944 Economics at the University of Technical and Economic Sciences, Budapest

1945 - 1949 Engineering at the Technical University of Budapest

1950 First Class Degree in Engineering

1957 - 1960 Doctoral Research Studies CEGB Research Fellow,
University of Sheffield, England

1960 Ph.D. University of Sheffield, England

1968 D.Sc. (Tech) University of Sheffield, England

Employment:

1949 - 1956 Heat Research Institute, Budapest,

1953 - 1956 Part-time Senior Lecturer in Boilers and Combustion, Technical University of
Budapest,

1956 - 1957 Research Engineer, Babcock & Wilcox , Ltd., Renfrew, Scotland,

1957 - 1960 CEGB Research Fellow, Doctoral Research, The University of Sheffield, England,

1960 - 1963 Head, Research Station, International Flame Research Foundation, IJmuiden,
The Netherlands

1963 - 1965 Professor of Fuel Science, Penn State University, PA, USA,

1965 - 1976 Professor and Head, Dept. of Chemical Engineering and Fuel Technology,
The University of Sheffield, England ; Dean of Engineering 1973 – 1975,

1976 - 1993 Professor of Chemical and Fuel Engineering , and
Director of MIT's Combustion Research Facility,
Massachusetts Institute of Technology, Cambridge, MA, U.S.A.;

1993 - Professor Emeritus of Chemical and Fuel Engineering, M. I. T.

Publications :Books; Combustion Aerodynamics, (co-author with N.A.Chigier), Elsevier (1972)

Editor :Elsevier's Fuel and Energy Science Monographs (6 volumes);

Coeditor with H.B. Palmer: Combustion Technology, Academic Press (1974);

Coeditor with N.A. Afgan: Heat Transfer in Flames ,Wiley(1974)

Author or co-author of 324 technical –scientific papers.

Committees:

-Advisory Council on Research and Development Fuel and Power (ACORD), U.K. DoE 1972 –
1975

-Advisory Council, U.K. Department of the Environment, 1970 – 1975

-Scientific Advisory Committee Italian National Research Council (CNR)
University of Federico II Naples 1973-

-Chair, Clean Coal Utilization in China Committee of the U.S. National Academy of
Engineering, 1986 - 1987

-U.S. National Coal Council, (Advisory Council to the U.S. Secretary of Energy) 1992 –

-US National Research Council Panel on DOE's IGCC R&D Program 2005-2006

Honors and Awards:

- Senior Fellow of the Institute of Fuel, London, 1963
- Moody Award, American Society of Mechanical Engineers (ASME), 1965
- Australian Commonwealth Visiting Fellow, 1970
- Fellow of the American Society of Mechanical Engineers, 1978
- Fellow Royal Academy of Engineering , UK, 1979
- The Melchett Award, Institute of Energy (London), 1985
- Honorary Member, Hungarian Academy of Sciences, 1986
- The Alfred Egerton Gold Medal, The Combustion Institute, 1986
- British Coal Utilization Research Association (BCURA), Coal Science Gold Medal, 1986
- Honorary Doctorate, University of Miskolc, Hungary, 1987
- Hoyt C. Hottel Lecturer, Combustion Institute, 1988
- Percy Nicholls Gold Medal Award, ASME, 1988
- Foreign Member Finnish Academy of Engineering, 1989
- Honorary Member, Hungarian Academy of Engineering, 1991
- Honorary Superintendent of Research, Int'l Flame Research Foundation, Ijmuiden, Holland, 1970-1988
- Axel Axelson Johnson Medal of the Royal Swedish Academy of Engineering Science, presented by H.M. Carl XIV Gustaf, King of Sweden, 1995
- Honorary Doctorate, Budapest Technical University, 1997
- American Institute of Aeronautics and Astronautics Energy Systems Award for 1998.
- ASME International The George Westinghouse Gold Medal for 2001
- Homer Lowry Gold Medal ,US DOE , presented by the US Secretary of Energy 2004
- Knight's Cross of the Order of Merit of the Hungarian Republic 2008.