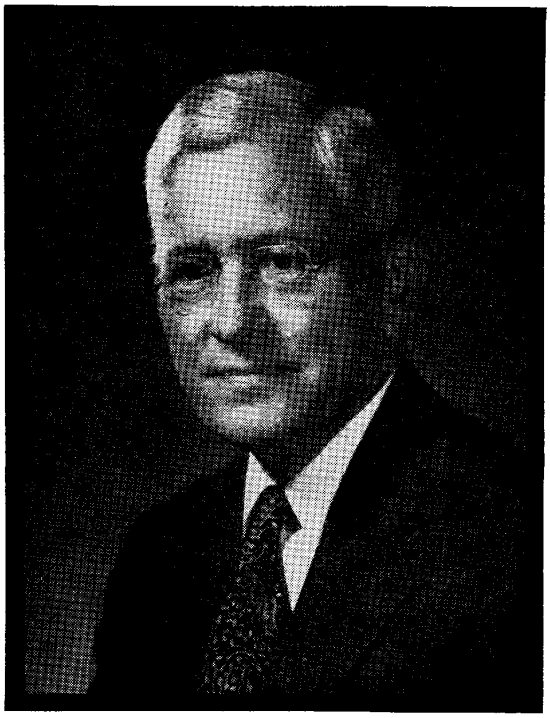
追悼 名誉会員 PROFESSOR JOHN CHIPMAN

本会名誉会員 Professor J. CHIPMAN は，病気療養の所，昭和 58 年 5 月 14 日逝去されました．ここに同君の冥福を祈り，つつしんで哀悼の意を表します．



Dr. John Chipman, Professor of Metallurgy Emeritus of the Massachusetts Institute of Technology, died on May 14, 1983, at his home in Winchester, Massachusetts, U. S. A. Dr. Chipman was recognized internationally for his many scientific contributions to the field of metallurgy, in particular, to the application of the principles of physical chemistry to iron- and steelmaking. He was elected an Honorary Member of the Iron and Steel Institute of Japan in 1955, and all members are saddened by the loss of an honored and esteemed colleague.

Professor Chipman began his professional career in the field of physical chemistry, and his attention soon turned to the physical chemistry of metallurgical reactions and processes at high temperatures. He also pioneered the combined application of induction heating and vacuum to the study of gas-liquid metal reactions. While a research engineer at the University of Michigan, he studied the thermodynamic properties of metal oxides that are important in metallurgical processes. In 1934, he authored a paper on that work which was awarded the Howe Madal by the American Society for Metals. His contributions to our understanding of the chemical nature of metallurgical phases, reactions, and processes were many, and he contributed extensively to the metallurgical literature. His research has been characterized by original and carefully executed experimental studies. He found great satisfaction in planning experiments, and in plotting, analyzing, and interpreting the results with students and colleagues; in particular, he enjoyed working with his students.

On joining the faculty of the Massachusetts Institute of Technology as Professor of Metallurgy in 1937, he developed a course in Metallurgical Thermodynamics for seniors and graduate students. In subsequent years, this course has provided students at MIT with a thorough grounding in chemical thermodynamics, and it has been a model for courses on the subject in many universities across the world.

He was born in Tallahassee, Florida, in 1897, and was graduated from the University of the South. He earned his Master's Degree in Chemistry from the State University of Iowa in 1922. In 1926, he was awarded the degree of Doctor of Philosophy by the University of California at Berkeley. He interrupted his college career to serve in the U. S. Army during World War I.

Professor Chipman served in several teaching positions: Teaching Assistant in Chemistry at the Iowa State University; Assistant Professor in Chemistry at Illinois Wesleyan University, 1922–1924; Teaching Fellow, University of California at Berkeley, 1924–1926; Assistant Professor of Chemistry, Georgia Institute of Technology, 1926–1929; Research Engineer, University of Michigan, 1929–1935; and then Professor of Metallurgy at MIT from 1937–1962, where he also was Head of the Department of Metallurgy from 1946–1962. He retired from that position in 1962. Professor Chipman was Associate Director of Research for The American Rolling Mill Company (now ARMCO) from 1934 to 1937, and he served in the U. S. Manhattan Project during World War II.

The well-being of professional societies was an important concern of his, and he served them in

a number of capacities. He was Trustee of the American Society of Metals from 1945-1947; then became Vice President in 1950-1951, and was President of that Society in 1953-1954. Professor Chipman received many honors and awards from professional societies in the world. He was a member of the U. S. National Academy of Sciences, and Fellow of the American Society of Arts and Sciences. He was the E. D. Campbell Memorial Lecturer ("Chemistry at 1600") for the American Society for Metals in 1942, and from that Society he received the Sauveur Achievement Award in 1952, and its Gold Medal in 1957.

He received awards from many societies and institutes throughout the world: Foreign Member, Swedish Royal Academy of Science, 1946; Clamer Medal, Franklin Institute of Pennsylvania, 1951; Losana Gold Medal, Associazone Italiana di Metallurgia, 1952; Charles M. Schwab Memorial Lecturer, American Iron and Steel Institute, 1953; Johan August Brinell Gold Medal from the Ingeniors Vetenskaps Akademien (Sweden) 1954; Henry Bessemer Gold Medal (London), 1955; Honorary Member, Indian Institute of Metals, 1960; Honorary Member, Societe Francaise de Metallurgie, 1963; Benjamin Fairless Award, AIME, 1963; Carl Lueg Gold Medal, Verein Deutsche Eisenhuttenleute, 1965; Gold Medal, Japan Institute of Metals, 1973; and he was elected Honorary Member of AIME in 1971 and Distinguished Member of the Iron and Steel Society of AIME in 1975.

Professor and Mrs. Chipman made their home in Winchester, Massachusetts, for many years. Mrs. Chipman shared his enthusiasm for gardening, the Boston Symphony, and entertaining friends and students in their home. Professor Chipman and his wife, Ruth, had been married for over 60 years. He leaves his wife; son, David R.; daughter, Ruth E. Bush; and five grandchildren.

People from everywhere mourn the loss of our teacher, colleague, and friend.

John F. Elliott
Honorary Member
The Iron and Steel Institute of Japan
Cambridge, Massachusetts, U.S.A.

June 8, 1983

The family of John Chipman wish to thank their many friends in Japan for their expressions, of sympathy and their love and respect for John Chipman.

Dr. Chipman greatly enjoyed his contacts with the Japanese steel industries and also his Japanese students.

Ruth H. Chipman