



Harold W. Paxton

H.W. Paxton is the U.S. Steel University Professor (Emeritus) of Metallurgy and Materials Science at Carnegie Mellon University. He received his B.Sc. and M.Sc. in 1947 and 1948 from the University of Manchester and his Ph.D. in 1952 from the University of Birmingham. In 1953 he became Assistant Professor of Metallurgical Engineering at Carnegie Institute of Technology, subsequently Carnegie Mellon University, and became Head of the Department of Metallurgy and Materials Science and Director of the Metals Research Laboratory at Carnegie Mellon in 1966. He was Visiting Professor of Metallurgy and Materials Science at Imperial College, London, in 1962-63 and at the Massachusetts Institute of Technology in 1970 and served two years as the first Director, Division of Materials Research, National Science Foundation 1971-1973. He is a

consultant to industry and has authored many technical papers, primarily in the field of physical metallurgy. He also co-authored a book, "Alloying Elements in Steel," with the late Dr. E.C. Bain. From 1974 to 1986, he was associated with the United States Steel Corporation, serving as V.P. Research and eventually V.P. Corporate Research and Technology Assessment. Dr. Paxton received the Bradley Stoughton Award for Young Teachers of Metallurgy in 1960. He is a Fellow of the American Association for the Advancement of Science, member of the National Academy of Engineering, Fellow of the American Society for Metals and The Minerals, Metals & Materials Society of AIME (TMS); Past President of TMS; Past Chairman of the General Research Committee of the American Iron and Steel Institute; and 1982 President of American Institute of Mining, Metallurgical, and Petroleum Engineers.

Dr. Paxton was selected as the 1978 ASM Edward DeMille Campbell Memorial Lecturer. In 1982 he was the BCRA Carbonization Science Lecturer and also the Australasian Institute of Mining and Metallurgy Lecturer. In 1983, Dr. Paxton gave the ASM Zay Jeffries Lecture. Late in 1983, he received the ASM Gold Medal for the Advancement of Research. In 1985, he was elected an Honorary Member of the Iron and Steel Institute of Japan and delivered the Yukawa Memorial Lecture to that Institute. In 1987 he gave the Harold Moore Lecture to the Institute of Metals (London). In 1990, he was invited to give one of the keynote lectures at the 6th International Iron & Steel Congress in Nagoya, Japan, was an AIME Krumb Lecturer, Andrew Carnegie Lecturer, and Sauveur Lecturer. In 1991, he was elected an Honorary Member of AIME. He has also lectured in France, the U.K., Holland, Argentina, Brazil, Mexico, Poland, China, and the former USSR. In 2010 he was invited as the keynote speaker to an International Conference in Iran, but could not attend due to political strains.

For the last several years, he has been Chief Scientist on a program with ATI to enhance opportunities for high strength low-alloy vanadium steels in both government and industry.

Since arriving in Green Valley in 2005, he was elected to the board of CPAC (Community Performance and Art Center) in late 2008 and became Chair in January 2009. The Center opened in the spring of 2009 and since then has become established as a leader in all forms of art – theater, music, visual arts, lectures, etc., with a strong outreach to children in the area. We believe it has made a noticeable difference to the community, and we plan to continue a diverse program as funds permit.

Since 2011, he also serves on the Community Advisory Board of AZPM, the parent of NPR and PBS.