

John Sheffield's Brief Bio:

John Sheffield is a Senior Fellow at the Joint Institute for Energy and Environment (JIEE) at the University of Tennessee, Knoxville. He retired as Executive Director of the JIEE and as Director for Energy Technology Programs at ORNL in 2003. His particular interests are:

- World population growth and future energy demand and resources.
- The opportunities for fusion energy, including options to enhance its attractiveness.
- The connection of energy use to the environment.

He has done research in plasma physics and fusion energy science and technology since 1958: from 1977 to 1994 in the Fusion Energy Division at ORNL, serving as Director from 1988 to 1994; from 1971 to 1977 at the UKAEA's Culham Laboratory and on The Joint European Torus Experiment; from 1966 to 1971 in the Physics Department at the University of Texas in Austin; and from 1958 at the UKAEA's Harwell and Culham Laboratories.

He has a BSc from Imperial College London and an MSc and PhD from London University. He is a Fellow of the APS and of the ANS. He has been a member of the DOE Fusion Energy Science Advisory Committee for a number of years, serving as chair from 1996 to 2000. He is author of "Plasma Scattering of Electromagnetic Radiation," and of the novel "Marienna's Fantasy."