

**William K. Blewett** is a senior engineer at the Battelle Eastern Science and Technology Center, Aberdeen, Md. A mechanical engineer, he has worked in research, development, and testing of protective systems with the Department of Defense and Battelle for a total of 33 years, including the development, testing, and evaluation of protective systems for buildings, vehicles, and mobile shelters. His projects have involved the application of positive-pressure collective protection systems to about 100 buildings in the United States and abroad, and he has conducted chemical/biological protection projects for about 20 different government agencies and organizations.

He is the author of U.S. Army technical reports on sheltering in place that were used to define the approach for employing this protective measure under the Chemical Stockpile Emergency Preparedness Program. His work included experiments to determine the effect of sorption/deposition on the protection a building provides against toxic chemicals and on the effectiveness of recirculation filtering on protection.

He has authored 70 technical publications, including the recent Corps of Engineers technical instruction entitled, *Protecting Buildings and their Occupants from Airborne Hazards*. He is also a co-author of *Expedient Sheltering in Place: An Evaluation for the Chemical Stockpile Emergency Preparedness* (Storming Media, 1996). He was the principal author of the chapter on sheltering in place in FEMA 453, *Design Guidance for Shelters and Safe Rooms*. Recent publications include "Buildings and WMD" in *The Military Engineer*; "Chemical and Biological Threats: the Nature and Risk", in *HPAC Engineering* magazine; and a chapter on Chemical and Biological Protection in *Building Security Handbook for Architectural Planning and Design* (McGraw-Hill, 2004).

Mr. Blewett holds a Bachelor's degree from the University of Oklahoma and a Masters degree from Texas A&M University.