

The nation faces significant challenges in the management of its water resources. Drought, flood and storm damage, water quality and supply, and damage to riverine and coastal ecosystems are among the grave problems that confront us today. Efforts to deal with these challenges are frequently impeded by institutional and fiscal morasses in federal, state, and local government, and nongovernmental organizations, overlooking the intimate relationship between people, water, and the physical environment that surrounds them. Gilbert White's *Strategies of American Water Management*, written at the height of water infrastructure development in the United States, identifies six major water management strategies and examines how the nation, acting through its institutions, makes its choices in managing water, with the goal of finding geographically based and "more suitable ends and means of manipulating the natural water system." The talk will focus on what we have or should have learned from Gilbert White and how his wise counsel should be applied to the development of a rational and science informed approach to water management in the 21st century United States.

**Gerald E. Galloway** is a Glenn L. Martin Institute Professor of Engineering and Affiliate Professor of Public Policy at the University of Maryland. He is also Maas-White Scholar at the U.S. Army Corps of Engineers Institute of Water Resources. Active in water resources research and analysis, he recently chaired an Interagency Levee Policy Review Committee for FEMA. He was a Presidential appointee to the Mississippi River Commission and in 1993-1994, led a White House study of the causes of the 1993 Mississippi River Flood. During a 38-year career in the military, he served in various assignments in the U.S. and overseas, retiring in 1995 as a brigadier general and Dean of Academics at the U.S. Military Academy. He is 2007 President of the American Water Resources Association. He holds Masters degrees from Princeton and Pennsylvania State Universities and the U.S. Army Command and General Staff College, and a doctorate in Geography from the University of North Carolina at Chapel Hill. He is a registered professional engineer and a member of the National Academy of Engineering.

The aim of the Gilbert F. White Lecture Series is to focus on connections between the geographical sciences and society. It both honors Dr. White, and uses his example as an inspiration for geographers to share their work on the connections between science and society.

*The Geographical Sciences Committee of the National Academy of Sciences  
presents the second annual*

# GILBERT F. WHITE

## LECTURE IN THE GEOGRAPHICAL SCIENCES

### Managing American Water Resources: Recognizing the Realities of Geography

GIVEN BY

Gerald E. Galloway

University of Maryland

Wednesday February 28, 2008  
5:30 pm Light reception to follow

Keck Center of the National Academies  
Room 100  
500 Fifth Street NW  
Washington, DC

For more information, please visit  
<http://dels.nas.edu/besr/gsc.shtml>

RSVPs to Jared Eno (jeno@nas.edu)  
appreciated by February 20, 2008

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