

## A Conversation on the Science of Climate Change

**Jerry A. Bell**

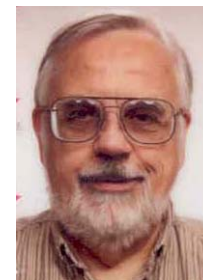
Simmons College, Professor Chemistry (emeritus)  
ACS Education Division, Senior Scientist (retired)  
Wisconsin Initiative for Science Literacy, Faculty Associate

**Tuesday, October 29, 7:30 P.M., Illinois State University, Moulton Hall**  
Pre-Meeting Demonstrations related to Climate Science, Julian Hall 215, 6:15-7:10

**Co-Sponsored by the Department of Chemistry, Illinois State University**

Climate change affects everyone and everything, locally and globally. Stories about extreme weather, ice caps melting, rising sea levels, ocean acidification, food and water supplies, public health, and economic prosperity are familiar features of media we read and the TV we watch. But, when a conversation over coffee turns to global climate change, do you have the basic scientific facts to take part? Do you know, for instance, that carbon dioxide is not the gas responsible for the largest fraction of the atmospheric greenhouse warming effect? Do you know what the far-reaching impacts are of climate change and how it is affecting you -- today? The ACS Climate Science Toolkit provides a basic foundation for beginning this conversation. Bring your questions and concerns and take part in this discussion of climate change facts, consequences, and responsibilities.

**Jerry A. Bell** is a Faculty Associate in the Wisconsin Initiative for Science Literacy at the University of Wisconsin-Madison, Chemistry Department. He received his A.B. (1958) from Harvard College and Ph.D. (1962) from Harvard University, both in chemistry. He taught at the University of California-Riverside (1962-67) and at Simmons College (1967-93; awarded Emeritus status 2010), before joining the American Association for the Advancement of Science as Director for Science, Mathematics, and Technology Education Programs in the Education and Human Resources Directorate (1992-99), and then the American Chemical Society (ACS) as Senior Scientist in the Education Division (1999-2009; continuing as a consultant). His major professional interests have focused on photochemical reactions and science (chemical) education at all levels, especially the use of hands-on approaches to teaching and learning. He is committed to the use of lecture experiments as an effective method for communicating chemistry. He was Chief Editor for *Chemistry*, the activity-based ACS General Chemistry textbook, and a co-author of Bassam Shkhashiri's *Chemical Demonstrations*, volume 5, on light color, perception and vision. He is active in the ACS as a professional activity both locally and nationally and has been on the instructional staff and/or directed workshops and teacher institutes for science teachers at all levels for forty years giving many workshops and webinars for college and precollege teachers in the USA and Latin America. He chairs the ACS Climate-Science Presidential Working Group that developed the ACS Climate Science Toolkit for ACS members to use to become comfortable with the basics of climate science as they communicate with others about climate change.



**Local Chemistry Clubs will present climate-related demonstrations at 6:15 – 7:10 P.M., Julian Hall 215**  
**and**  
**Establishment of a Climate Science Speakers Bureau will be discussed during the business meeting**