

**Dr. Laurence Kalkstein** is a bioclimatologist and Senior Research Fellow at the University of Delaware's Center for Climatic Research. He is principal investigator on many contracts dealing with the development and implementation of heat/health watch-warning systems for major cities around the world. His other research encompasses topics ranging from asthma/weather relationships to the spread of airborne plant diseases.

Dr. Kalkstein is president of the International Society of Biometeorology, the world's largest biometeorological organization. In addition, the World Meteorological Organization appointed him leader of its expert team on operational heat/health warnings. He has published over 120 peer-reviewed manuscripts and book chapters in climatological, geographical, and medical journals and has been editor for two major climatological journals.

Dr. Kalkstein is also the head of the Synoptic Climatology Laboratory, Department of Geography & Regional Studies, University of Miami. The laboratory performs research involving numerous applied climatological issues that affect humans and other organisms around the world. Synoptic Climatology is a holistic approach to evaluate weather and climate. Synoptic climatologists attempt to characterize an entire weather situation that exists in a given area at a given time, to better gain a better understanding of both the atmospheric environment and its effects on the organism that experience it.

<http://as.miami.edu/geography/climatology>

**Dr. Noel Petit**, Chair, Computer Science Department, Augsburg College, Minneapolis MN. Dr. Petit's doctorate is in Atmospheric Physics, University of Minnesota and is a co-founder of Northern Video Graphics, a leader in hardware and software used in a wide variety of international satellite weather gathering and processing applications. The company was formed in 1981.

Dr. Petit served as a nuclear submarine officer and then as a meteorologist for the Navy Reserves for over twenty years retiring with the rank of Captain. In addition to heading Augsburg's Computer Science Department, he is currently a project coordinator for a consortium of leading universities monitoring geomagnetic disturbances in the Arctic and Antarctic – Project pENGUIN

<http://space.augsburg.edu>

**Dr. Glenn R. McGregor**, School of Geography and Environmental Sciences, the University of Birmingham, Edgbaston, Birmingham, United Kingdom. Dr. McGregor is a co-author of “Tropical Climatology”, a definitive scientific study of climate in the low latitudes.

The subject is of great relevance to the tropics and the hundreds of millions of people living in the low latitudes and the impact of climate resource for a wide range of human activities.

Dr. McGregor’s work also covers phenomena such as El Nino Southern Oscillation (ENSO) and the influence it has over extensive tropical and extratropical latitudes.

<http://glenn.mcgregor.bu.edu>

**Dr. Robert C. Balling Jr.**, is a professor in the climatology program at Arizona State University, specializing in climate change and the greenhouse effect. He has been a climate consultant to the United Nations Environment Program, the World Climate Program, the World Meteorological Organization, the United Nations Educational, Scientific and Cultural Organization, and the Intergovernment Panel on Climate Change.

He has authored close to 100 publications in the field of meteorology and bioclimatology. Many of his research projects have been involved with atmospheric conditions and phenomena associated with the South and Southwestern regions of America.

<http://geography.asu.edu/balling/index.html>

**Dr. Scott Sheridan** is an associate professor in geography at Kent State University, Kent, Ohio. Dr. Sheridan’s main applied climatological interest is in bioclimatology with emphasis on the impact of climate upon human health.

He has worked on the development of excessive heat warning systems for a number of cities including Rome, Shanghai, Toronto, Dayton/Cincinnati, New Orleans and Phoenix.

Dr. Sheridan is associated with the Union of Concerned Scientists, participating in several different means of assessing future heat-related health problems with the output of Global Circulation Model-projections of future weather conditions

<http://Sheridan.geog.kent.edu>

**Dr. Scott Greene**, Assistant Professor of Geography, College of Atmospheric and Geographic Sciences, University of Oklahoma. In addition to his professorial duties, Dr. Greene is a research scientist and associate director of the Environmental Verification and Analysis Center located at the University.

Dr. Greene has been a frequent collaborator with Dr. Larry Kalkstein and their joint work covers a wide range of synoptic climatological and atmospheric research programs.

His international works covers climatological research in the Western Pacific, Kenya and the Arctic. Dr. Greene has also been a principal investigator for research funded by the U.S. Military, State of Oklahoma and NOAA.

<http://gulfstream.ou.edu>

**Adam Kalkstein**, Graduate Ph.D., Student, Arizona State, Tempe Arizona. Adam Kalkstein has collaborated with numerous scientists as an undergraduate and graduate student pursuing his Ph.D., in Climatological Geography.

His works include heat mortality studies in Shanghai and Phoenix, Arizona. He is associated with the School of Geographical Sciences at Arizona State and his areas of study include climate change, weather and human health and environmental geography.

[http://Geography.asu.edu/people/people\\_detail.php?iv=107](http://Geography.asu.edu/people/people_detail.php?iv=107)

**James E. Detwiler**, Master of Science, Pennsylvania State University. Detwiler is a Geographic Information Systems Analyst at Penn State and a GIS instructor at the John A. Dutton e-Education Institute, College of Earth & Mineral Sciences at that institution.

Areas of major interest and development is the Air Mass Mapping System used in Environmental Analysis and Socioeconomic Factors Contributing to Urban Heat Wave Vulnerability.

<http://james.detwiler.psu.edu>

**Mary J. Wingert**, B.S. degree, Genetics and Cell Biology, M.S. Health Services Research, Policy and Administration, Statistics Minor, University of Minnesota. Ms. Wingert will serve as our consultant on Research Management Protocols and Procedures – a position she now holds with a major teaching hospital system in the Minneapolis area. She is a member of the Academy Health, Minnesota Public Health Association and the American Public Health Association. She has a number of published works in the field of Hepatitis C care and care providers.