

***Information on Upcoming AMS Meeting
Phoenix, Arizona
11-15 January, 2009 (<http://www.ametsoc.org/>)***

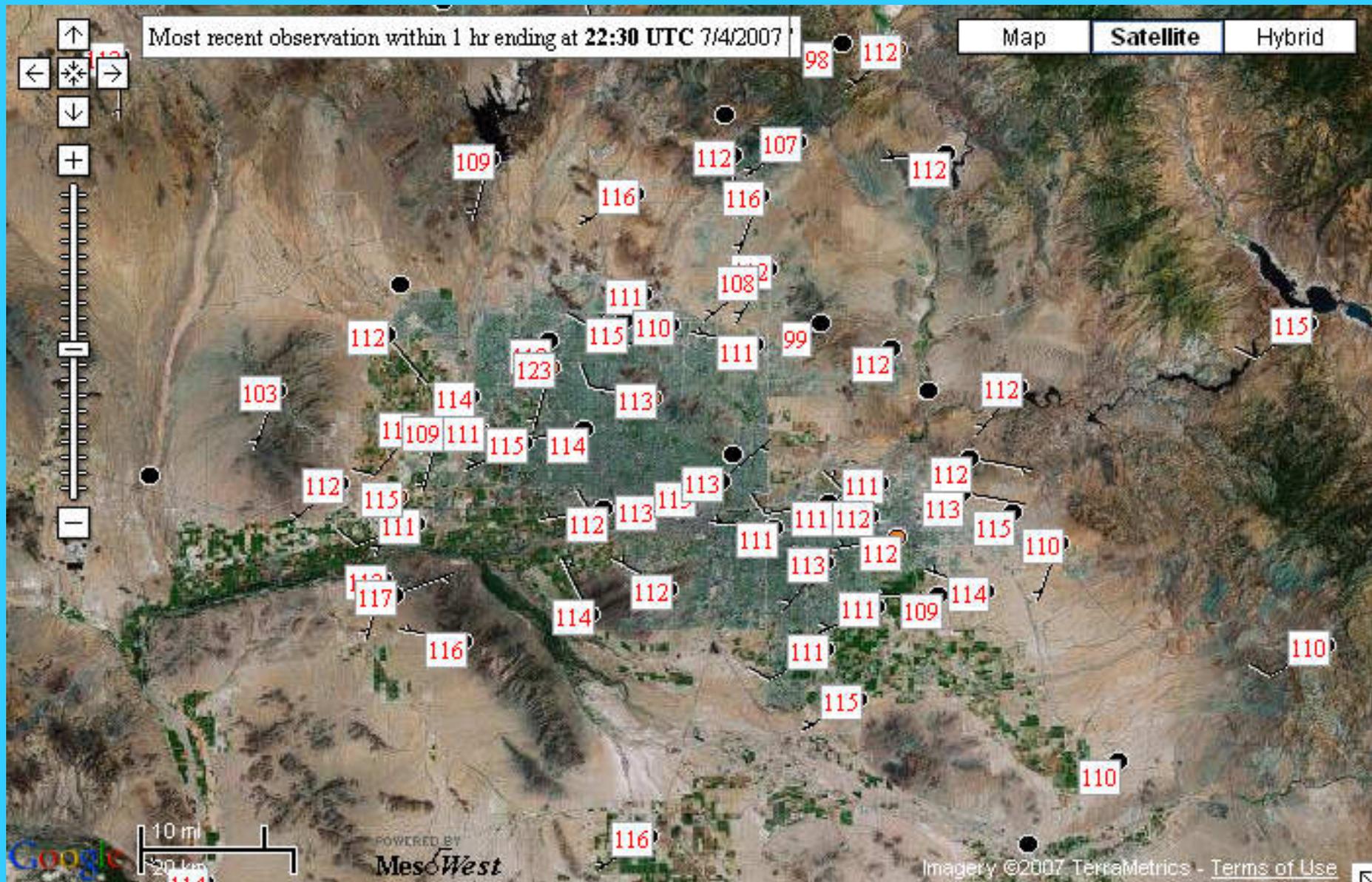
American Meteorological Society (AMS) conference website, location of where abstracts are posted, overview of topics covered

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The 89th AMS Annual Meeting will be held 11–15 January 2009 at the Phoenix Convention Center in Phoenix, Arizona

This year's meeting broad theme is "***Urban Weather and Climate: Now and the Future.***" The meeting will feature:

- ***30 conferences and symposia,***
- ***three short courses,***
- ***eight town hall meetings,***
- ***the Sunday Weather Fest,***
- ***Monday's Presidential Forum on the role of weather and climate in urban affairs,***
- ***two special named symposia,***
- ***the Student Conference***
- ***there will be two distinct poster sessions and the largest exhibit program anywhere in the atmospheric, oceanic, and related sciences.***



The reason the meeting is not in July ☺

Presidential Forum

Monday, 12 January, 8:30–10:15 a.m.

Forum will focus on:

The quadruple convergence of urbanization, population growth, climate change and coastalization—a perfect storm?

Dr. Susan Avery, president, Woods Hole Oceanographic Institution;

Dr. Jack Hayes, director, NOAA/National Weather Service;

Professor Julian Hunt, University College London and Lord of Chesterton; and

Dr. Kai Lee, Science and Conservation Program Officer, the David and Lucile Packard Foundation.

An electronic Forum hotline (amsforumhotline@ametsoc.org) has been setup where you can submit questions in advance for the panel.

URBAN WEATHER & CLIMATE: NOW AND THE FUTURE
AMS 89th Annual Meeting
Phoenix, Arizona, USA • 11–15 January 2009
<http://www.ametsoc.org/meet/annual/index.html>



***American Meteorological Society
Board on the Urban Environment***

http://ams.confex.com/ams/89annual/techprogram/programexpanded_533.htm



Eighth Symposium on the Urban Environment

Program Chairpersons:

Petra M. Klein, Univ. of Oklahoma

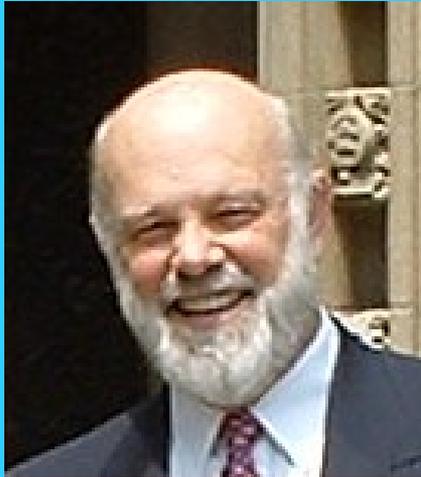
Anthony James Brazel, Arizona State University

Julie K. Lundquist, LLNL

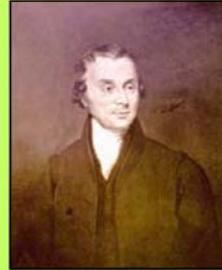
Jon Davis, Chesapeake Energy Corporation

T.R. Oke Symposium:

Urban Scales, Urban Systems, and the Urban Heat Island



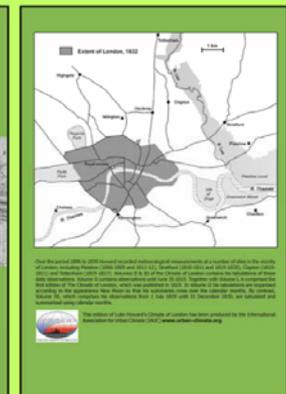
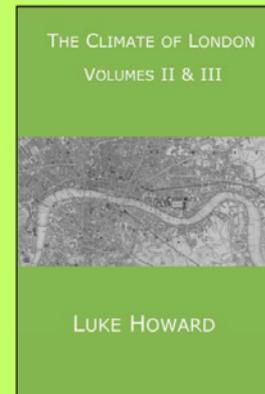
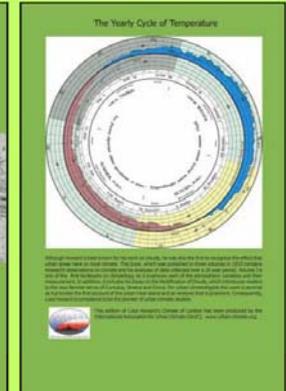
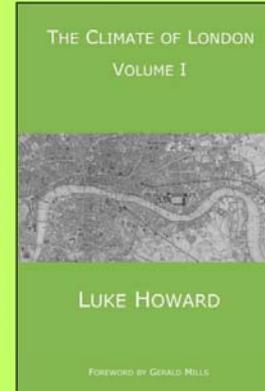
**Luke Howard, Tim Oke,
and the Study of Urban Climates**
**Gerald Mills, University College Dublin,
Dublin, Ireland**



The IAUC's edition of *THE CLIMATE OF LONDON* is now available at www.LULU.com. It is based on the second edition of Howard's work published in London in 1833, which comprised three volumes. In the IAUC edition, Volume 1 has been produced as a single book (288 pages), whereas Volumes 2&3 have been combined (714 pages). Although all the tables and graphs have been redrawn and the text has been reformatted, the IAUC edition preserves the 'look' of the original.

Although Howard's work is widely acknowledged to be the first examination of the urban effect on climate, it is a rare book that is not widely available. This project was conceived as a means of 'resurrecting' Howard's work. For reasons of price and access, publishing through LULU, an online publishing company, was the best option. Authors supply the text in ready to print format and set the price. Each time a book is ordered, it is printed. There is no inventory to manage and copies can be ordered directly from the website.

Luke Howard THE CLIMATE OF LONDON



The front covers *The Climate of London*.

The Timothy Oke Symposium, 12 January 2009

The Oke Symposium is an event organized to celebrate the contributions of Professor T.R. Oke to the field of urban climatology and meteorology. Professor Oke has been a visionary leader in urban climatology and meteorology for four decades, during which time he has helped to foster the emergence and maturation of the scientific study of urban atmospheres. The theme of the symposium is ***“Contributions to Urban Meteorology and Climatology by Professor T.R. Oke”***.

The symposium will include both invited and solicited contributions, with a particular focus on the urban climate system, urban energy balance and urban heat islands.

Weather Forecasting for Urban Areas

Measurements in the Urban Environment

Observations/Studies of High-Impact Weather in Urban Regions

Boundary Layer and Turbulence Measurements in the Urban Environment

Urban Implications of Climate Change and Population Growth

Modeling Tools for Urban and Complex Terrain Environments

Joint Session on Air Quality Measurements in Coastal Cities

Urban Energy and Water Balances

Dense Gas Dispersion (Joint with the Meteorological Aspects of Air Pollution Committee)

Many sessions

Three Examples

Biometeorology and Public Health in Urban Areas

Sustainable Urban Design

Urban Heat Islands – Mitigation Studies

Urban Heat Islands-Mitigation Studies

Relating urban thermal patterns to vegetation distribution at various scales

Anita Walz, Marshall University, Huntington, WV; and W. H. Hwang

Tree-cover influences on below-canopy air temperatures in Baltimore, MD

Gordon M. Heisler, USDA Forest Service, Syracuse, NY; and D. Nowak, I. Yesilonis, R. Pouyat, A. Lee, A. Ellis, E. Greenfield, and S. Grimmond

Evaluating the surface energy balance of alternate parking lot materials in hot arid climates

Joby D. Carlson, National Center of Excellence on SMART Innovations for Urban Climate and Energy, Arizona State University, Tempe, AZ; and J. H. Jo, K. E. Kaloush, and J. S. Golden

Quantifying the direct and indirect benefits of a cool roof renovation project in hot dry climate zones

Jin Ho Jo, National Center of Excellence on SMART Innovations for Urban Climate and Energy, Arizona State University, Tempe, AZ; and J. Carlson, K. S. Bae, H. Bryan, and J. S. Golden

The effect of heat transfer from artificial turf on the urban energy balance

Neda Yaghoobian, Univ. of California, San Diego, CA; and J. Kleissl and S. Krayenhoff

CUFR tree carbon calculator

James R. Simpson, USDA Forest Service, Davis, CA; and E. G. McPherson

Sustainable Urban Design

The centrality of design in the reduction of urban sprawl: a summary of issues

Emily Talen, Arizona State University, Phoenix, AZ

**Urban climate modeling, heat island mitigation and local knowledge:
co-producing science for urban policy**

Jason Corburn, Univ. of California, Berkeley, CA; and **L. Parshall**

Mitigating urban heat island effects with water and energy sensitive urban design

Anthony J. Brazel, Arizona State University, Tempe, AZ; and P. Gober, S. Grossman-Clarke, S. Myint, S. Grimmond, A. Q. Miller, R. Quay, and S. Rossi

Simulations of the London urban climate: the LUCID project

Sylvia I. Bohnenstengel, University of Reading, Reading, Berks., United Kingdom; and A. Porson, M. Davies, and S. Belcher

Optimization of urban designs for air quality and energy efficiency

Eric Pardyjak, University of Utah, Salt Lake City, UT; and P. Willemsen and D. E. Johnson

Biometeorology and Public Health in Urban Areas

Human thermal comfort in summer in different urban quarters of a mid-size central European city (Freiburg, Germany)

Helmut Mayer, Meteorological Institute, Albert-Ludwigs-University, Freiburg, , Germany; and J. Holst and F. Imbery

Physiologically equivalent temperature and climate change in Freiburg

Andreas Matzarakis, University of Freiburg, Freiburg, , Germany; and C. Endler

Urban climate and human heat-stress values during the July 2006 Portland, Oregon heat wave

Andrew Melford, San Jose State University, San Jose, CA; and R. Bornstein

Analysis of daily climate-suicide relationships in Mississippi

P. Grady Dixon, Mississippi State University, Mississippi State, MS; and D. M. Brommer

Reconstruction of the airborne emissions by inverse dispersion modeling and generation of synthetic emission data by a Monte Carlo model

Gunther Schauburger, University of Veterinary Medicine Vienna, Vienna, Austria; and M. Piringer, E. Petz, W. Knauder, and K. Baumann-Stanzer

Heat waves, urban heat stress and mortality: a satellite surveillance system

Benedicte Dousset, Univ. of Hawaii, Honolulu, HI; and F. Gourmelon, E. Giraudet, K. Laaidi, K. Zeghnoun, and P. Bretin