

Curriculum Vitae

Nancy E. Westcott

Education

Ph.D., 2005, Geography, University of Illinois
M.S., 1977, Environmental Sciences, University of Virginia
B.A., 1974, Environmental Sciences, University of Virginia

Professional Experience

Research Scientist – Center for Atmospheric Sciences. Conducts research in areas of radar and mesoscale meteorology, and various applied climatology topics.

1987 - present Professional Scientist, Illinois State Water Survey
2013 May-June Consultant to Economic and Social Commission for Western Asia (ESCWA) / World Meteorological Organization (WMO) on Climate Data Rescue
2011 Nov-Dec Acting Director, Midwestern Regional Climate Center
1983 - 1987 Associate Professional Scientist, Illinois State Water Survey
1980 - 1983 Assistant Professional Scientist, Illinois State Water Survey
1977 - 1980 Research Assistant, Illinois State Water Survey
1975 - 1977 Graduate Research Assistant, University of Virginia
1974 - 1975 Student Research Assistant, University of Virginia

Society Memberships

American Meteorological Society, member
American Association of State Climatologists, associate member
Association of American Geographers, member

Professional Committees

World Meteorological Organization (WMO) Commission for Climatology (CCI) Open Panel of CCI Experts-I (OPACE-I) Climate Data Management's Task Team on Data Rescue, (2011 - 2014)

Member, Radar Committee of the American Meteorological Society (1992 - 1997)
Chair, Radar Committee of the American Meteorological Society (1996 - 1997)

Current Contracts

Continued Operation of the Imperial Valley Rain Gauge Network and Investigation of Ground Water - Surface Water Interaction (Imperial Valley Water Authority), Co-Principal Investigator with Steve Wilson and Kevin Rennels (2012-2017), \$178,852.

Operation and Maintenance of the 25 Raingauge Network for Lake Michigan Diversion Accounting (U.S. Army Corps of Engineers, Chicago District and U.S.G.S.), Principal Investigator (2008-2013); \$518,248.

Recent Publications:

Kunkel, K.E., L.E. Stevens, S.E. Stevens, L. Sun, E. Janssen, D. Wuebbles, S.D. Hilberg, M.S. Timlin, L. Stoecker, **N.E. Westcott**, and J.G. Dobson, 2013. Part 3. Climate of the Midwest U.S. in Regional Climate Trends and Scenarios for the U.S. National Climate Assessment,, NOAA Technical Report, NESDIS 142-3, 99p. [available at: http://www.nesdis.noaa.gov/technical_reports/142_Climate_Scenarios.htm]

Feaster, T.D., **Westcott, N.E.**, Hudson, R.J.M., Conrads, P.A., and Bradley P.M., 2012, Comparison of TOPMODEL streamflow simulations using NEXRAD-based and measured rainfall data, McTier Creek watershed, South Carolina: U.S. Geological Survey Scientific Investigations Report 2012–5120, 33 p., available only at <http://pubs.usgs.gov/sir/2012/5120>.

Westcott, N.E., 2011: The Prolonged 1954 Heat Wave: Impacts and Responses. *J. Weather, Climate and Society*, **3**, 165-176.

Westcott, N.E., and S.D. Hilberg, R.L. Lampman, B. W. Alto, A. Bedel, E.J. Muturi, H. Glahn, M. Baker, K.E., Kunkel, R.J. Novak, 2011: Predicting the Seasonal Shift in Mosquito Populations Preceding the Onset of the West Nile Virus in Central Illinois, *Bulletin of the American Meteorological Society*, **92**,1173-1180.

Westcott, N.E., 2011: A Perspective on Weather Modification: Planned and Inadvertent. Chapter 120 in *Engineering Earth: The Impacts of Megaengineering Projects*, S.D.D. Brunn (Ed.), Springer, Netherlands, 2173-2184 (http://dx.doi.org/10.1007/978-90-481-9920-4_120).

Westcott N.E. and D.A.R. Kristovich, 2009: A Climatology and Case Study of Continental Cold Season Dense Fogs Associated with Low Clouds: *J. Applied Meteorology and Climatology*, **48**, 2201-2214.

Westcott, N.E., 2009: Differences in multi-sensor and raingage precipitation amounts. *Proceedings of the Institution of Civil Engineers, Water Management*, **162** (MW2), 73-81.

Westcott, N.E., H. V Knapp and S.D. Hilberg, 2008: Comparison of Gage and Multi-Sensor Precipitation Estimates over a Range of Spatial and Temporal Scales in the Midwestern United States. *J. Hydrology*, **351**, 1-12.

Westcott, N.E., 2007: Some Aspects of Dense Fog in the Midwestern United States. *Weather and Forecasting*, **22**, 457-465.

21 referred publications prior to 2007

46 technical/contract publications prior to 2012

47 conference publications