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## *Curriculum Vitae* **Jan Null, ccm**

### **Professional Experience:**

**1998 to Present:** Certified Consulting Meteorologist, Golden Gate Weather Services, Half Moon Bay, California. Forensic meteorology providing services to assist legal and insurance professionals, including data acquisition and analysis, site surveys, reports and as an experienced expert at deposition and trial. Meteorological research, consulting, and forecasting for legal, insurance professionals, engineering, utility operations and the media. Approximately 750 retentions in civil and criminal litigation, 135+ depositions and 45+ trials.

Ongoing research on the topics of Pediatric Vehicular Heatstroke, El Niño, and California precipitation climatology. Over 2500 media interviews including CNN, Good Morning America, ABC World News Tonight, CBS Evening News, the Weather Channel, the New York Times, the Washington Post, Los Angeles Times and Lehrer News Hour. Clients have included the San Jose Mercury News, Weatherwise magazine, American Museum of Natural History, Bay Area Sports Organizing Committee 2012, Pacific Gas & Electric, Alan Kropp and Associates, San Francisco Estuary Institute, KTVU and KNTV Television.

**2014 to Present:** Adjunct Professor/Lecturer, Department of Meteorology and Climate Science, San Jose State University. Courses taught: Meteorology 10.

**1987 to 2014:** Adjunct Professor/Lecturer, Department of Geosciences, San Francisco State University. Courses taught: Meteorology 100 and Meteorology 302.

**1999 to 2000:** Director of Meteorology, Planetweather.com, Inc., San Jose, California. An Internet weather company, providing a broad spectrum of meteorological products to online users.

**1998 to 2004:** Columnist, San Jose Mercury News, San Jose, California. Bi-weekly column, "The Weather Corner" in Science and Technology answering weather questions and writing about topical weather issues.

**1983 to 1997:** Lead Forecaster, National Weather Service Forecast Office, San Francisco Bay Area. Operational forecaster and shift supervisor. Extensive research into California rainfall and its relationship to ENSO events and drought. Frequent media spokesperson.

**1980 to 1983:** Meteorologist-in-Charge, National Weather Service Center Weather Service Unit, FAA Air Traffic Control Center, Fremont, California. Meteorological support and training for enroute and terminal air traffic control activities.

**1974 to 1980:** Meteorologist, National Weather Service Forecast Office, San Francisco Bay Area. Public service and aviation forecaster providing weather and climatological information to the general public and specialized users.

### **Personal Information:**

Born in Oakland, California, and lifetime San Francisco Bay Area resident. US Army Vietnam combat veteran. Landscape and wildlife photographer. Married, two children.

### **Educational Background:**

M.A., 1992, Geography Department, San Jose State University. Thesis: *A Climatology of San Francisco Rainfall*.

B.S., 1974, Atmospheric Science Department, University of California at Davis.

### **Professional Certificates and Affiliations:**

Certified Consulting Meteorologist (CCM #564), American Meteorological Society, 1996 to present.

Member, Association of Certified Meteorologists, 2022-present

Associate Member, American Association of State Climatologists, 2010-present

President, National Council of Industrial Meteorologists, 2007-2008

Board of Directors, National Council of Industrial Meteorologists, 2004-2008.

Board member, AMS Board of Enterprise Communication, 2006-2007

Co-Chair, AMS Ad Hoc Committee on Climate Services, 2006

Past President, of Northern California Chapter, American Meteorological Society.

Member, American Meteorological Society, 1974-present

Past Member, National Weather Association

Past Member, National Association of Science Writers

### **Awards:**

**Henry T. Harrison Award** for Outstanding Contributions by a Consulting Meteorologist, for "For a career of exemplary service as an AMS Certified Consulting Meteorologist and for his tireless work to raise public awareness on the issue of heatstroke deaths in vehicles", American Meteorological Society Annual Meeting, Denver, January 2023.

National Highway Traffic Safety Administration **2013 Public Service Award**, for "... exceptional commitment, vision and tireless work to raise public awareness on the issue of heatstroke", Denver, CO, April 2013.

National Weather Association **2011 Public Education Award**, for "... awareness of the dangers of hyperthermia ...", Birmingham, AL, October 2011.

## **Publications:**

Null, Jan: **The Not So Elusive Green Flash**, *Weatherwise*, 76, 1, January/February 2023.

Null, Jan: **The Tragedy of Pediatric Vehicular Heatstroke**, *Weatherwise*, 71, 4, July/August 2018.

Null, Jan: **The Idyll of the Mediterranean Climate: Where Sun and Fine Wines Flourish**, *Weatherwise*, 71, 1, January/February 2018.

Null, Jan: **California's Stressed Water System: A Primer**, *Weatherwise*, 70, 1, January/February 2017.

Williams, J. and J Null: **What You Need to Know to Understand the Current El Niño**, *Weatherwise*, 68, 6, November/December 2015.

Grundstein, A., S. Duzinski, and J. Null: **Impact of dangerous microclimate conditions within an enclosed vehicle on pediatric thermoregulation**, *Theoretical and Applied Climatology*, 128, 3-4, September 2015.

Null, Jan: **Weather and Wildland Fires: Firefighting in an Age of Droughts and Urban Sprawl**, *Weatherwise*, 68, 4, July/August 2015.

Grundstein, A., S. Duzinski, D. Dolinak, J. Null and, S. Iyer: **Evaluating infant core temperature response in a hot car using a heat balance model**, *Forensic Science, Medicine, and Pathology*, 10, 3, October 2014.

Null, Jan: **Beyond Rain Delays: Weather's Role in America's Favorite Pastime**, *Weatherwise*, 67, 1, January/February 2014.

Null, Jan: **The Ubiquitous Radiosonde**, *Weatherwise*, 66, 4, July/August 2013.

Null, Jan: **NARAC: There for You When You Need To Know Which Way the Wind Blows**, *Weatherwise*, 65, 1, January/February 2012.

Grundstein, A., J. Null, and V. Meentemeyer: **Weather, Geography and Vehicle-Related Hyperthermia in Children**, *Geographical Review*, 101, 3, September 2011.

Null, Jan, M. Mogil: **The Weather and Climate of California**, *Weatherwise*, 63, 2, March/April 2010.

Null, Jan: **Harnessing the Sun: The Promises of Solar Energy**, *Weatherwise*, 62, 4, July/August 2009.

Null, Jan, C. Archer: **Wind Power: The Ultimate Renewable Energy Source**, *Weatherwise*, 61, 4, July/August 2008.

Null, Jan, J. Hulbert: **California Washed Away: The Great Flood of 1862**, *Weatherwise*, 60, 1, January/February 2007.

Null, Jan: **Silent Sizzle**, *Weatherwise*, 59, 5, September/October 2006.

Null, Jan: **A Stationary Danger**, *Weatherwise*, 58,4, July/August 2005.

McLaren, C., J. Null, J. Quinn: **Heat Stress from Enclosed Vehicles: Moderate Ambient Temperatures Cause Significant Temperature Rise in Enclosed Vehicles**, *Pediatrics* 2005; 116; 109-112.

Null, Jan: **Winds of the World**, *Weatherwise*, 53-2, May/June 2000.

Monteverdi, J., J. Null: **A Balanced View of the Impact of the 1997/98 El Niño on California Precipitation**, *Weather*, 53-9, 310-313, September 1998.

Monteverdi, J., J. Null: **The Impact of the 1997 El Niño on Winter Precipitation in the West**, *Natural Hazards Observer*, 22:3, 1-3, January 1998.

Monteverdi, J., J. Null: **El Niño and California Rainfall**, NOAA Western Region Technical Attachment, No. 97-37, November 21, 1997.

Null, Jan: **Climate of San Francisco**, NOAA Western Region Technical Attachment, No. 97-37, 1995.

### **Presentations:**

Null, Jan: **Heatstroke Deaths of Children in Vehicles**; 106th AMS Annual Meeting, New Orleans, LA, January 2025.

Null, Jan: **Heatstroke Deaths of Children in Vehicles**; 50th AMS Broadcaster's Conference, Phoenix, AZ, June 2023.

Null, Jan, Andrew Grundstein: **Pediatric Vehicular Heatstroke: By the Numbers**, 14th AMS Conference on Environment and Health, Denver, January 2023.

Null, Jan: **Pediatric Vehicular Heatstroke: By the Numbers**, Kidz-in-Motion Conference, Orlando, FL, August 2022.

Null, Jan: **Pediatric Vehicular Heatstroke and the Impacts of COVID-19**, Lifesavers National Conference of Highway Safety Priorities, Virtual, April 2021.

Null, Jan, Andrew Grundstein: **Pediatric Vehicular Heatstroke and the COVID-19 Paradigm Shift**, 12th AMS Conference on Environment and Health, Virtual, January 2021.

Null, Jan: **Climate Effects on Wildland-Urban Fires: Past, Present and Future**: Invited Paper, National Wildland Fire Conference, Austin, TX, October 2019.

Null, Jan: **Pediatric Vehicular Heatstroke, By the Numbers**, Kidz-in-Motion Conference, Orlando, FL, July 2019.

Null, Jan: **Pediatric Vehicular Heatstroke, A Toolbox**; 47th AMS Broadcaster's Conference, San Diego, CA, June 2019.

Null, Jan: **Forensic Meteorology**; Seminar, Department of Meteorology and Climate Sciences, San Jose State University, September 2018,

Null, Jan: **Wildland-Urban Fires**; Ironshore Climate Seminar, San Francisco, CA, March 2018.

Null, Jan: **Pediatric Vehicular Heatstroke**; 8<sup>th</sup> Conference on Environment and Health, Seattle, WA, January 2017.

Null, Jan: **What is a Meteorologist?**; Seminar, East Bay Innovation Academy, Oakland, CA, September, 2016.

Null, Jan: **Measuring the Weather**; Invited Paper, Wildland Fire Litigation Conference, Monterey, CA, April 2016.

Null, Jan: **Pediatric Vehicular Heatstroke**; Lifesavers 2016 Conference, Long Beach, CA, OR, April 2016

Null, Jan: **Heatstroke Deaths of Children in Vehicles**; PREVCON 2015, National Harbor, MD, July 2015.

Null, Jan, John Nielsen-Gammon and Clara Deser: **The Impacts of El Niño on the U.S.; U.S. Congressional Briefing**, Washington, DC, January 2015.

Null, Jan: **Heatstroke Fatalities of Children in Hot Vehicles**; 42nd AMS Broadcaster's Conference, Squaw Valley, CA, June 2014.

Null, Jan: **El Niño: Myths and Realities**; 42nd AMS Broadcaster's Conference, Squaw Valley, CA, June 2014.

Null, Jan: **Fire Weather 101**; Invited Paper, Wildland Fire Litigation Conference, Monterey, CA, April 2014

Null, Jan: **Red Flag Warnings and other Weather Products**; Invited Paper, Wildland Fire Litigation Conference, Monterey, CA, April 2012

Null, Jan: **NHTSA Non-Crash Data Forum**, National Highway Transportation Safety Administration, Washington, DC, November 2011.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; Safe Kids National Conference, Charlotte, NC, November 2011.

Null, Jan: **Director's Hyperthermia Roundtable**, National Highway Transportation safety Administration, Washington, DC, October 2011.

Null, Jan: **Meteorology and Wildland Fires**; Invited Paper, Wildland Fire Litigation Conference, Reno, NV, April 2010

Grundstein, A.J., J. Dowd, V. Meentemeyer, and J. Null, 2010: **A vehicle heating index for use in preventing vehicle-related hyperthermia deaths in children**. AMS Annual Meeting, January 17-21, 2010, Atlanta, GA.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; National Association for Education of Young Children, Washington, DC, November 2009.

Grundstein, A.J., J. Null, and V. Meentemeyer, 2009: **The Relationship of weather with the geography of infant mortality in parked vehicles**. SEDAGG Annual Meeting, November 2009, Knoxville, TN.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; 38<sup>th</sup> AMS Broadcaster's Conference, Portland, OR, June 2009.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; Safe Kids Leadership National Conference, Washington, DC, October 2008.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; Lifesavers 2008 Conference, Portland, OR, April 2008

Null, Jan: **Hyperthermia Deaths of Children in Vehicles**; National Weather Association, Reno, NV, October 2007.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles;** [Second Special Session on Heat Health, 86th American Meteorological Society Annual Meeting](#), Atlanta, January 2006.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles;** Safe Kids Leadership National Conference, Washington, DC, October 2006.

Null, Jan: **Hyperthermia Deaths of Children in Vehicles;** 33<sup>rd</sup> AMS Broadcaster's Conference, New Orleans, June 2004.

Null, Jan: **The Climatological Relationship between El Niño and California Rainfall, 1949-1996,** Invited Paper, National Weather Association Annual Meeting, Reno Nevada, October 23, 1997.

*Updated January 2025*