

**ROCKY MOUNTAIN
HYDROLOGIC RESEARCH CENTER
64th Annual Meeting**

October 9, 2009

**National Center for Atmospheric Research (NCAR)
Mesa Laboratory, Damon Room
1850 Table Mesa Drive
Boulder, Colorado 80305
(<http://cires.colorado.edu/rmhrc/index.html>)**

- 8:00-9:00 Registration and upload PowerPoint presentations
- 9:00-9:05 *Welcome and Introductory Remarks*
Will Rense, Professor of Geography and Earth Science, Shippensburg University of Pennsylvania (retired)
- 9:05-9:15 **William M. Lewis**, President RMHRC; Director, Center for Limnology, and Acting Director, Cooperative Institute for Research in Environmental Sciences, University of Colorado at Boulder
- 9:15-9:35 *Tribute to Dr. Maury Albertson*
- 9:35-9:55 *A Review of the 2009 Water Year in Colorado*
Nolan Doesken, Colorado State Climatologist and Senior Research Associate; Director, Fort Collins Weather Station
- 9:55-10:15 *Water Budget Analysis of Climate Change in Rocky Mountain National Park*
Will Rense
- 10:15-10:35 *Coupled Projections of Changes in Climate and Hydrology for Rocky Mountain National Park*
Glenn Patterson, St. Vrain-Left Hand Water Conservancy District
- 10:35-10:50 Break
- 10:50-11:10 *Coherence between the Great Salt Lake Level and the Pacific Quasi-Decadal Oscillation*
Robert Gillies, Utah Climate Center, Department of Plants, Soils and Climate, Utah State University, Logan, UT

- 11:10-11:30 *Colorado Alpine Dust and Continental Winds*
Morgan Phillips, Undergraduate student, Colorado Climate Center,
 Department of Atmospheric Sciences, Colorado State University, Fort Collins,
 CO
- 11:30-11:50 *Tipon, Peru Paleohydrology*
Ken Wright, Chief Engineer, Wright Water Engineers, Inc., Denver, CO
- 11:50-12:05 Poster introductions – 3-5 minutes per poster
- *Three-Dimensional Quantification of Meltwater Flow through Snow*
Jennifer Petrzelka, Graduate student, INSTAAR, University of Colorado at Boulder
 - *The Impact of Pine Beetle Infestation on Snowpack Accumulation and Melt in the Headwaters of the Colorado River*
Evan Pugh, Graduate student, University of Colorado at Boulder
 - *Hydrological Influences on Air Quality through Changes in Inversion Characteristics in the Western United States*
Adriana Raudzens Bailey, Graduate student, Cooperative Institute for Research in Environmental Sciences, University of Colorado at Boulder
 - *20th Century Temperature Trends in Colorado's San Juan Mountains*
Imtiaz Rangwala, Postdoctoral Fellow, NOAA Earth System Research Laboratory, Boulder, CO
- 12:05-1:30 *Lunch and Poster Session*
- 1:30-1:50 *Reproductive Disruption of Fishes by Estrogenic Wastewater Effluent*
Alan Vajda, Assistant Professor, Department of Integrative Biology,
 University of Colorado, Denver, CO
- 1:50-2:10 *Plot-Scale Sediment Transport Processes on a Burned Hillslope*
John Moody, US Geological Survey, Boulder, CO
- 2:10-2:30 *Multidimensional Modeling to Evaluate a Channel Design for the Kootenai River, ID*
Brandy Logan, Physical Scientist, USGS Geomorphology and Sediment Transport Laboratory, Golden, CO
- 2:30-2:50 *Adjustment of Helley-Smith Transport Relationships to Bedload Traps in Coarse-Bedded Streams*
Kristin Bunte, Engineering Research Center, Colorado State University,
 Fort Collins, CO
- 2:50-3:00 *Closing remarks*
William Lewis
- 3:00 Adjourn