

Appendix A

AGENDA

Tenth Annual Pacific Climate (PACLIM) Workshop,
April 4-7, 1993

AGENDA

Tenth Annual Pacific Climate Workshop
Asilomar Conference Center, Pacific Grove, California
April 4-7, 1993

Meal Schedule
Breakfast 7:30-9:00 am
Lunch 12:00-1:00 pm
Dinner 6:00-7:00 pm

Sunday Evening, April 4, 1993

Recent Weather/Climate Variability

Moderator: Walt Dean

- 7:00-7:20 Welcome and Announcements
- 7:20-7:40 *Recent Climate Anomalies in the Western United States, 1992/1993*
Kelly Redmond, Western Regional Climate Center, Reno, NV
- 7:40-8:00 *Is the California Drought Over?*
Maurice Roos, California Department of Water Resources, Sacramento, CA
- 8:00-8:20 *Operation of Real-Time Warning System for Debris Flow in San Francisco Bay Area*
Gary Barbato, Raymond Wilson, and Robert Mark, National Weather Service, Redwood City, CA
- 8:20-8:40 *Satellite Views of North American Weather and Climate, 1991-1992*
Tom Murphree, Mark Boothe, and Mike McCann, Naval Postgraduate School, Monterey, CA
- 8:45 — Social

Monday Morning, April 5, 1993

Invited Talks, Remote Sensing and Climate

Moderator: Dan Cayan

- 8:15-8:55 *Satellite Estimates of Surface Velocity, Chlorophyll Concentration, and Temperature in the California and Peru-Chile Current Systems*
Ted Strub, Corinne James, and Andrew Thomas, Oregon State University
- 8:55-9:35 *An Experimental Land Cover Characteristics Data Base and Its Potential Use in Land-Atmosphere Interactions Modeling*
Louis Steyaert, Thomas Loveland, James Merchant, Jesslyn Brown, and Bradley Reed, U.S. Geological Survey, Reston, VA
- 9:35-10:10 *Land Surface Characterization Using Multidate AVHRR Imagery*
Frank Davis, University of California, Santa Barbara
- 10:10-10:25 Poster Introductions (One Minute Each)
- 10:25-10:55 Break

- 10:55-11:35 *Airborne and Satellite Snow Cover Mapping for the Conterminous United States, Alaska, and Canada*
Tom Carroll, National Weather Service, NOAA, Minneapolis, MN
- 11:35-12:15 *Management of High Volume Remote Sensing Data (Sequoia 2000: Archiving, Processing, and Graphics for Massive Climate Data Sets)*
Jim Frew, University of California, Berkeley

Monday Afternoon, April 5, 1993

Invited Talks, Remote Sensing and Climate (continued)

- 1:40-2:20 *Unmasking the Face of the Sea Floor: Advances and Challenges in Sonar Mapping*
Mike Field, U.S. Geological Survey, Menlo Park, CA
- 2:20-3:00 *Remote Sensing of Climate-Related Geological Phenomena in Arid Regions*
Carol Breed, U.S. Geological Survey, Flagstaff, AZ
- 3:00-3:30 Break
- 3:30-3:50 *Passive Microwave Remote Sensing of Snowpacks*
Ed Josberger, Per Gloersen, Al Chang, and Al Rango, U.S. Geological Survey, Tacoma, WA
- 3:50-4:10 *Application of Satellite-Derived Products for Near Real-Time Climate Monitoring*
Alan Basist and Norman Grody, NOAA, Climate Analysis Center, Camp Springs, MD

Monday Evening, April 5, 1993

Invited Talk

- 7:30-8:25 *Regional to Global Scale Temperature and Precipitation Inferred from the Microwave Sounders*
John Christy, University of Alabama, Huntsville
- 8:30— Social

Tuesday Morning, April 6, 1993

Regional Hydrological Variability

Moderator: Roy Walters

- 8:30-8:50 *ENSO and Western United States Climate: An Upper Air Perspective*
Kelly Redmond and Daniel Cayan, Western Regional Climate Center, Reno, NV
- 8:50-9:10 *Semiempirical Down-Scaling of Coarse-Resolution GCM Output for the Western United States to the Local Scale for Temperature, Precipitation, and Streamflow*
Rick Freeman and John Dracup, University of California, Los Angeles
- 9:10-9:30 *California Precipitation Patterns During Warm ENSO Events*
Joel Michaelsen, University of California, Santa Barbara
- 9:30-9:50 *Low-Frequency Climatic Variability and the Frequency of Winter Floods in the Southwestern United States*
Robert Webb and Michael Dettinger, U.S. Geological Survey, Tucson, AZ
- 9:50-10:20 Break

- 10:20-10:40 *Winter Atmospheric Circulation and Drought in the Sierra Nevada*
Michael Dettinger and Daniel Cayan, U.S. Geological Survey, San Diego, CA
- 10:40-11:00 *Meteorologic Influences on the Stable Isotope Signals of Rainfall in Central California*
Eric Edlund, Leticia Menchaca, and B. Smith, University of California, Berkeley
- 11:00-11:20 *Development of an Isohyetal Analysis for Oregon Using the Prism Model*
George Taylor, Chris Daly, and Wayne Gibson, Oregon State University
- 11:20-11:40 *Interannual Variations in the United States West Hydrologic Cycle*
John Roads, Konstantine Georgakakos, Alex Guetter, and Shyh-Chin Chen,
Scripps Institution of Oceanography, La Jolla, CA
- 11:40-12:00 *Validation of Cloud Fields Predicted by Regional Climate Modeling for
Western United States*
Melanie Wetzel, Desert Research Institute, Reno, NV

Tuesday Afternoon, April 6, 1993

Regional Climate Variability

Moderator: Kelly Remond

- 1:30-1:50 *Rapid Teleconnections Associated with Individual Tropical Cyclones*
Ronald Gelaro, Tom Murphree, and James Goerss, Naval Research Laboratory,
Monterey, CA
- 1:50-2:10 *The Climate of the H.J. Andrews Experimental Forest, Oregon, and Its Regional Context*
David Greenland, University of Oregon, Eugene
- 2:10-2:30 *The Quasi-Biennial Oscillation as Seen in Global Marine Temperature Records
Since 1860*
Charles Keeling and Timothy Whorf, Scripps Institution of Oceanography, La Jolla, CA
- 2:30-2:50 *Seasonal Trends of Maximum and Minimum Temperatures in California*
Lynda Klein and Jim Goodridge, California State University, Chico
- 2:50-3:20 Break
- 3:20-3:40 *Near and Distant Connection of Atmospheric Processes to Ocean Temperature Change
in the Coastal California Current Region*
Jerrold Norton, Daniel Cayan, and Douglas McLain, Pacific Fisheries, Monterey, CA
- 3:40-4:00 *Biases in Long-Term Environmental Data Series and Their
Implications for Fisheries Oceanography*
Claude Roy and Richard Parrish, Pacific Fisheries, Monterey, CA
- 4:00-4:20 *Long-Term Patterns in Coastal Temperature and Salinity Along the
North American West Coast*
Frank Schwing, Pacific Fisheries, Monterey, CA

Tuesday Evening, April 6, 1993

Invited Talks

- 7:30-8:25 *Archeological Reconstruction of the Early Holocene Environment in California*
James West, U.S. Bureau of Reclamation, Sacramento, CA
- 8:25-8:30 *A Submersible View of Disaerobic and Cold Vent Fauna Along the Peru Margin*
Walt Dean, U.S. Geological Survey, Denver, CO
- 8:30— Social

Wednesday Morning, April 7, 1993

Paleoclimate Studies

Moderator: Carolyn Isaacs

- 8:30-8:50 *Late Pleistocene and Holocene Moisture Sources in Mexico and the Caribbean*
Platt Bradbury, U.S. Geological Survey, Denver, CO
- 8:50-9:10 *Spatial Variations of Precipitation Regimes in the Western United States:
An Explanation for Regional Heterogeneity in the Paleoclimatic Record*
Cathy Whitlock and Patrick Bartlein, University of Oregon, Eugene
- 9:10-9:30 *Century-Scale Pulsations in Delivery of Pacific Moisture to the
Interior of North America*
Roger Anderson and Bruce Allen, University of New Mexico, Albuquerque
- 9:30-9:40 *Age Distribution of Laminated Sediments on the Continental Slopes of North America*
Eileen Hemphill-Haley, U.S. Geological Survey, Menlo Park, CA
- 9:40-10:10 Break
- 10:10-10:20 *Modern and Ancient Floods on the Narmada River, Central India*
Lisa Ely, Pennsylvania State University
- 10:20-10:40 *CO₂-Driven Changes in Limber Pine (Pinus flexilis) Morphology and Physiology
During the Last 25,000 Years*
Pete Van de Water, Steven Leavitt, and Julio Betancourt, University of Arizona,
Tucson
- 10:40-11:00 *Understanding Coupled Climatic, Hydrological, and Ecosystem Response to GCC in
the Colorado Rockies Biogeographical Area*
Tom Stohlgren, Jill Baron, Timothy Kittel, National Park Service, Ft. Collins, CO

Appendix B
POSTERS

Tenth Annual Pacific Climate (PACLIM) Workshop,
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POSTER PRESENTATIONS

Tenth Annual Pacific Climate Workshop
Asilomar Conference Center, Pacific Grove, California
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A Long Mid-Pleistocene Pollen Record from Buck Lake, Klamath County, Oregon
David Adam and Andrei M. Sarna-Wojcicki, U.S. Geological Survey, Menlo Park, CA

Paleoclimate Interpretations of Montane Meadow Stratigraphies from the Sierra Nevada: Comparisons with Other Proxies
Scott Anderson, Northern Arizona University, Flagstaff

The Paleoclimatic Potential of Laminated Lake Sediments in West Central Mexico: Laguna de Juanacatlan, Jalisco, Mexico
Roger Byrne and Leticia Menchaca, University of California, Berkeley

Modeling Global Climate Change Impacts on Glacier National Park
Daniel Fagre, National Park Service, West Glacier, MT

Paleoclimate Reconstructions from Remote Sensing of Bajadas, Western North America
Alan Gillespie, University of Washington, Seattle

Coastal Temperature-Salinity and the Bakun Upwelling Index
John McGowan, Scripps Institution of Oceanography, La Jolla, CA

Convective and Rotational Parameters Associated with Three Tornado Episodes in Northern and Central California
John Monteverdi and John Quadros, San Francisco State University, San Francisco, CA

California Rainfall Related to Type 1 ENSO Events
Jan Null, National Weather Service, Redwood City, CA

Modeling the Effect of Snow on Seasonal Runoff in the Truckee River Drainage Basin
Richard Orndorff and Richard Craig, Kent State University, Kent, OH

Performance of Seasonal Streamflow Models During Prolonged Drought Episodes?
Larry Riddle, Scripps Institution of Oceanography, La Jolla, CA

Seasonal Resolution, Santa Barbara Basin Paleoceanography
Arndt Schimmelmann, C. Lange, G. Kuhn, W. Berger, and M. Tegner, Scripps Institution of Oceanography, La Jolla, CA

A Numerical Study of the Effects of Sea Level Rise: Delaware Bay
Roy Walters, U.S. Geological Survey, Tacoma, WA

DMSP Data for Real-Time Access
Warren Yogi, NOAA, Monterey, CA

Appendix C
ATTENDEES

Tenth Annual Pacific Climate (PACCLIM) Workshop,
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ATTENDEES

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Asilomar Conference Center, Pacific Grove, California
April 4-7, 1993

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