



FRIDAY, Aug 19, 2011

8:30 Coffee and pastries.
(Rm 269; W side of our building, 2nd floor)

9:00 Welcome
Jim White
INSTAAR, University of Colorado

9:10 What do Star Trek characters and stable isotopes have in common?
Bruce Vaughn, Sylvia Michel, Valerie Morris, Jason Winokur, Isaac Vimont, Amy Steiker, Rachel Edie, Doc Kraemer, Philip Place, and Jim White
INSTAAR, University of Colorado

9:30 Light stable isotope research at the USGS - Crustal Geophysics and Geochemistry Science Center
Craig Johnson and Craig Stricker
United States Geological Survey

9:50 δD systematics in CSIA analysis at the USGS: Corrections and Concerns
Bob Dias
United States Geological Survey

10:10 ^{13}C analyses of phospho-lipid fatty acids to investigate the role of microbial communities in litter decomposition
Karolien Denef, Dan Reuss, Jennifer Soong, and M. Francesca Cotrufo,
Colorado State University

10:30 Break. More coffee and snacks.

10:50 Laser spectroscopic methods for probing leaf gas exchange.

Dave Williams

University of Wyoming

11:10 Water isotopes help us understand surface/groundwater interactions in mid-latitude mountains from the Colorado Rocky Mountains to the Himalayas

Mark Williams, Chris Seibold, Rory Cowie, and Morgan Zeliff

INSTAAR, University of Colorado

11:30 Planes, towers, and automobiles: Tales of field-deploying a water isotope analyzer

Adriana Bailey and Max Berkelhammer

CIRES, University of Colorado

12:00 Lunch. South side of RL2

(go south and east from our building – look for picnic tables)

1:10 Amino acid specific $\delta^{15}\text{N}$ of sinking particles and deep-sea corals: implications for N cycle reconstructions

Owen A Sherwood^{1,2}, Fabian Batista¹, and Matthew McCarthy¹

¹University of California, Santa Cruz, ²Dolan Integration Group

1:30 Novel application of ^{13}C in atmospheric CO_2

Ashley Ballantyne¹, John Miller^{1,2}, Pieter Tans², and Jim White³

¹CIRES, University of Colorado, ²NOAA, ³INSTAAR, University of Colorado

1:50 Using stable isotopes and mass spectrometry to probe formation mechanisms of early Earth aerosol

Raea Hicks and Maggie Tolbert

CIRES, University of Colorado

2:10 Oxygen isotopes of lake-calcite from western North America to reconstruct Holocene climate patterns and variability

Lesleigh Anderson

INSTAAR, University of Colorado

2:30 Open discussion. FRIDAY 2012?

3:00 Lab tours, snacks and beverages

(SIL is on the first floor of RL1, on the south side of the building.)

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