



GLOBAL CHANGE EDUCATION PROGRAM

**WELCOME!**

**GCEP-2003 Final  
Workshop**



GLOBAL CHANGE EDUCATION PROGRAM

## PUBLICATIONS AND PRESENTATIONS

<http://www.atmos.anl.gov/GCEP/>

[FinalSUREGREFpubs.html](http://www.atmos.anl.gov/GCEP/FinalSUREGREFpubs.html)

**NOW SEARCHABLE! -----PLEASE  
CHECK TO SEE IF ALL YOUR PAPERS AND  
PRESENTATIONS ARE THERE!**

## Publications and Presentations by SURE and GREF Students working on DOE OBER Global Change Research Projects

### Published:

**Ainsworth, E.A.**, Davey, P.A., Bernacchi, C.J., Dermody, O.C., Heaton, E.A., Moore, D.J., Morgan, P.B., Naidu, S.L., Yoo, H., Zu, X., Curtis, P.S., and Long, S.P., "A meta-analysis of elevated [CO<sub>2</sub>] effects on soybean (*Glycine max*) physiology, growth and yield." *Global Change Biology*, 8:695-709 (2002).

**Ainsworth, E.A.**, Davey, P.D., Hymus, G.J., Drake, B.G., and Long, S.P., "Interand intraspecific variation in the response of photosynthesis to elevated [CO<sub>2</sub>] in a Florida scrub oak community." *Proceedings of the 12<sup>m</sup> International Congress on Photosynthesis*. Brisbane, Australia (2001).

**Busch, C.B.**, Atkinson, B.A., Eto, J.H., Turiel, I., and McMahon, J.E., "Utility DSM Rebates for Electronic Ballasts: National Estimates and Market Impact (1992-1997)." Environmental Energy Technologies Division, LBNL Report 41928, October 2000.

**Busch, C.B.**, Sathaye, J.A., Arthuro-Sanchez-Azofeifa, G., "Estimating the Greenhouse Gas Benefits of Forestry Project: A Costa Rican Case Study," Environmental Energy Technologies Division, LBNL Report 42289, July 2000.

**Branstetter, M.L.**, Famiglietti, J.S., Craig, A.P., and Washington, W.M., "Investigation of the sensitivity of global oceans to continental runoff using the PCM parallel climate model." *11<sup>m</sup> Symposium on Global Change Studies*, American Meteorological Society (AMS) 2000 meeting, Long Beach, CA, January 2000, AMS Preprint P1.3, pp. 90-91 (2000).

**Dahl, E.E.**, Saltzman, E.S., and deBruyn, W.J., "The aqueous phase yield of alkyl nitrates from ROO + NO: Implications for photochemical production in seawater." *Geophysical Research Letters*, 30(6), 1271-1275 (2003).

Doskey, P.V., **Bialk, H.M.**, "Automated Sampler for the Measurement of Nonmethane Organic Compounds." *Environmental Science & Technology*, 35(3), 591-594 (2001).

Drayton, P.J., **Blazer, C.A.**, Marley, N.A., and Gaffney, J.S., "Improved Instrumentation for Near Real-time Measurement of Reactive Hydrocarbons, NO<sub>2</sub>, and Peroxyacyl nitrates (PANs)." *Symposium on Atmospheric Chemistry Issues in the 21<sup>st</sup> Century*, American Meteorological Society (AMS) 2000 meeting, Long Beach, CA, January 2000, AMS Preprint 3.1, p. 56-59 (2000).

29 PUBLISHED PAPERS!

1 IN PRESS

9 SUBMITTED

40 PRESENTATIONS AT  
NATIONAL MEETINGS

15 POSTERS AT NATIONAL  
MEETINGS

KEEP UP THE GOOD WORK!

## LIST OF INSTITUTIONS PARTICIPATING IN GCEP ACTIVITIES – 1999-2003

Arizona State University Tempe AZ	Indiana University Bloomington, IN	Oral Roberts University Norman, OK
Argonne National Laboratory Argonne, IL	Kenyon College Gambier, OH	Oregon State University Corvallis, OR
Ball State University Muncie, IN	Lawrence Berkeley National Laboratory Berkeley, CA	Oswego State University Oswego, NY
Bemidji State University Bemidji, MN	Lawrence Livermore National Laboratory Livermore, CA	Pacific Northwest National Laboratory Richland, WA
Berea College Berea, KY	Los Alamos National Laboratory Los Alamos, NM	Pennsylvania State University State College, PA
Brookhaven National Laboratory Upton, Long Island, NY	Louisiana State University Baton Rouge, LA	Portland State University Portland, OR
College of Charleston Charleston, SC	Loyola University at Chicago Chicago, IL	Princeton University Princeton, NJ
Colorado State University Fort Collins, CO	McGill University Montreal, Quebec, Canada	Purdue University West Lafayette, IN
Columbia University Lamont-Doherty Earth Observing Laboratory Palisades, NY	Michigan Technological University Houghton, MI	St. Cloud State University St. Cloud, MN
Denison University Granville, OH	NASA, Johnson Space Center Houston, TX	St. John's College Santa Fe, NM
Duke University Durham, NC	National Center for Atmospheric Research Boulder, CO	San Diego State University San Diego, CA
Eastern Washington University Cheney, WA	New Mexico Tech Socorro, NM	Sandia National Laboratory Albuquerque, NM
Florida State University Tallahassee, FL	Northern Illinois University DeKalb, IL	Stanford University Stanford, CA
Furman University Greenville, SC	Oak Ridge National Laboratory Oak Ridge, TN	State University of New York, Binghamton Binghamton, NY
Georgia Tech Atlanta, GA	Ohio State University Columbus, OH	State University of New York, Old Westbury Old Westbury, NY
Harvard University Cambridge, MA		Swarthmore College Swarthmore, PA

Texas A&M University  
College Station, TX

Tulane University  
New Orleans, LA

University of Arkansas  
Fayetteville, AK

University of California,  
Berkeley  
Berkeley, CA

University of California,  
Davis  
Davis, CA

University of California,  
Irvine  
Irvine, CA

University of California,  
Riverside  
Riverside, CA

The University of Chicago  
Chicago, IL

University of Florida  
Gainesville, FL

University of Georgia  
Athens, GA

University of Illinois, Urbana  
Champaign  
Urbana, IL

University of Iowa  
Ames, Iowa

University of Miami  
Miami, Florida

University of Minnesota  
Minneapolis, MN

University of Oklahoma  
Norman, OK

University of Puerto Rico,  
Mayaguez  
Mayaguez, PR

University of Puerto Rico,  
Rio Piedras  
Rio Piedras, PR

University of South Florida  
Tampa, FL

University of Southern  
Mississippi  
Hattiesburg, MS

University of Texas,  
Arlington  
Arlington, TX

University of Texas, Austin  
Austin, TX

University of Toledo  
Toledo, OH

University of Utah  
Salt Lake City, UT

University of Wisconsin,  
Madison  
Madison, WI

University of Wisconsin,  
Stevens Point  
Stevens Point, WI

University of Washington,  
Seattle  
Seattle, WA

Utah State University  
Logan, UT

Valparaiso University  
Valparaiso, IN

Washington University  
St. Louis, MO

Washington State University  
Pullman, WA

Woods Hole Research Center  
Woods Hole, MA

Marvin L. Wesely

May 5-1944 – January 20, 2003

In Memorium



# Marvin L. Wesely – GREF FELLOW

## To be awarded to a Second Year GREF Student

This recognition will be awarded annually to a GREF Fellow, based on the following criteria, which are presented in order of significance, who has:

- Made exemplary use of his/her Department of Energy mentor(s) and facility(ies) at either a national laboratory or a university research facility sponsored by the DOE-Office of Biological and Environmental Research (BER) programs in global change research.
- Made outstanding achievements in the pursuit of his/her research goals and objectives as indicated by the publication of research manuscripts in scientific journals and/or presentation of research results at national meetings.
- Encouraged undergraduate students at his/her university to participate in the SURE program.

The GCEP Review Panel suggested that 1) the selected GREF Fellow be paid \$100 per month, beginning in October and ending in September, in addition to his/her regular stipend;



# SELECTION PROCESS

For FY2003, Dr. Jeff Gaffney, GCEP Chief Scientist, review the current GREF Fellows, select two of them, and submit their names and list of accomplishments to the Review Panel, who will select one of them to receive the award; in future years, the scientists, who have mentored GREF Fellows for at least one year, submit nominations to the GCEP Review Panel; and the recognition will be competed annually in conjunction with the solicitation of applications.



Marvin L. Wesely Fellow 2003

Heather Price

University of Washington

Dan Jaffe/Paul Doskey