

GOALS AND OBJECTIVES FOR SUMMER 2003



Summer Undergraduate Research Experience - SURE

Orientation Workshop – Portland, OR

What is DOE Office of Biological and Environmental Research (BER) doing in Global Change Research?

Research Experience – Mentoring!

Opportunity to do hands on work in Global Change Study Areas!

Final Workshop – Washington, D.C.

Oral Presentations on Accomplishments!

Graduate Research Environmental Fellows – GREF

Orientation for NEW GREF and Returning GREF

– Opportunity for Status Report!

Get to Meet your Fellow SURE and GREF students!

SURE GREF!

Final Workshop – More Status Reports!

NETWORKING

Getting to know the players!



Getting to know other students in the field!



Our GCEP Goals:

Give students the opportunity to find out what research is like!

One on one with leaders in the field of Global Change!

Encourage undergrads to enter graduate school!

Help grad students complete thesis in Global Change!

Increase high quality U.S. Scientists!



SURE and GREF Goals:

Find out what research is all about!

Meet new people – mentors and students interested in
Global Change Research and Environmental Issues

Learn, Learn, Learn!*

Find out what the Dept. of Energy is doing!

Let us know how it went! – Feed back!

Final Workshop –Oral Presentations- SURE (short)
- GREF (longer)

* Note: This is lifelong process, trust me on this.. I am still learning!

SPEAKERS – MENTORS

Barbara Bond – Oregon State University

Milt Constantin – Oak Ridge Associated Universities

Jerry Franklin – University of Washington, Seattle

Jeff Gaffney – Argonne National Laboratory

David F. Karnosky – Michigan Technological University

Aslam Khan Khalil - Portland State University

Jeff Klopatek – Arizona State University

Nancy Marley – Argonne National Laboratory

Walter C. Oechel – San Diego State University

William Porch – Los Alamos National Laboratory

Ruth A. Reck – University of California, Davis – NIGEC

Stephen Schneider - Stanford University

David Shaw – University of Washington, Seattle

Amy Snover – University of Washington, Seattle

SPEAKERS – GREF STUDENTS!

Heidi Bialk – University of Wisconsin, Madison

Christopher Busch, University of California, Berkeley

Anne Case – Georgia Institute of Technology

Wendy Gordon – University of Texas, Austin

Meredith Hastings – Princeton University

Cynthia Randles – Princeton University

Jennifer Pett-Ridge – University of California, Berkeley

Erika Marin- Spiotta – University of California, Berkeley

Jean Lois Wardell – New Mexico Tech

Shelby Winiecki – The University of Chicago

Some Final Comments!

Abbreviations need to be defined –

DOE is Department of Energy

BER – is Office of Biological and Environmental Research

GCEP – is Global Change Education Program

SURE – is Summer Undergraduate Research Experience

GRAF – is Graduate Research Environmental Fellowships

ARM – Atmospheric Radiative Measurements

ASP – Atmospheric Science Program

ACP – Atmospheric Chemistry Program

NIGEC – National Institutes for Global Environmental Change

EMP – Environmental Meteorology Program

VTMX – Vertical Transport and Mixing

TCP – Terrestrial Carbon Program

PER – Program for Ecological Research

IA - Integrated Assessment

ORAU – Oak Ridge Associated Universities

SOARS – Significant Opportunities in Atmospheric Research and Science

ANL - Argonne National Laboratory

BNL – Brookhaven National Laboratory

ORNL – Oak Ridge National Laboratory

PNNL – Pacific Northwest National Laboratory

LBNL – Lawrence Berkeley National Laboratory

LLNL – Lawrence Livermore National Laboratory

LANL – Los Alamos National Laboratory

EMSL – Environmental Molecular Sciences Laboratory

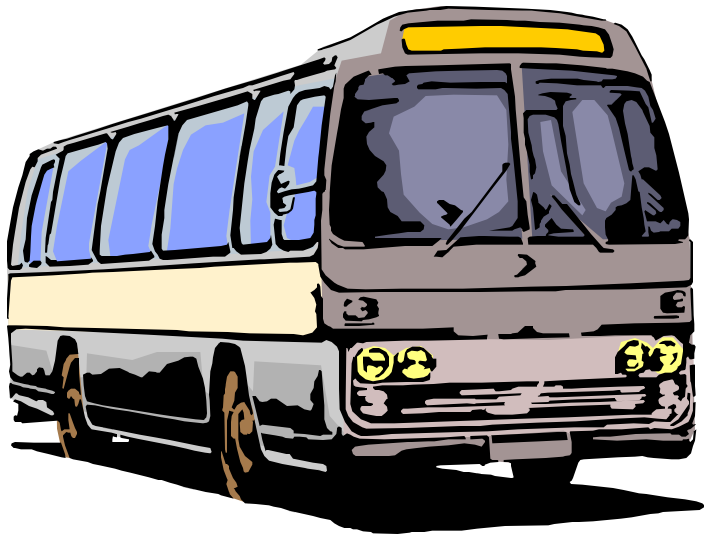
ALSO....

**IF YOU ARE OVERWHELMED WITH ALL OF THE
INFORMATION PRESENTED.. GOOD!**

**WE HOPE TO GET YOU THINKING ABOUT WHAT DOE
IS DOING – IN MANY AREAS..**

**YOU MAY LEARN DIFFERENT SPEAKS! (BIO.. GEO..
..ECO..ATMO..SPEAK)**

**THE ENVIRONMENTAL PROBLEMS OF THE FUTURE
WILL REQUIRE INTERDISCIPLINARY INTERACTIONS
OF EXPERTS FROM THEIR FIELDS.. WE HOPE YOUR
PART OF THAT!**



**Glad you got here safe and
sound and are part of GCEP!**

**Enjoy the Lectures and the
Discussions!**

**If you need anything.. Ask Milt
or Mary!**

Salud,

Jeff Gaffney