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
GREF – 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