GOALS AND OBJECTIVES FOR SUMMER 2004
Summer Undergraduate Research Experience - SURE

Orientation Workshop – Argonne National Laboratory
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

David Archer – The University of Chicago
John Frederick – The University of Chicago
Jeff Gaffney – Argonne National Laboratory
Julie Jastrow – Argonne National Laboratory
Ken Kemner – Argonne National Laboratory
Jim Liljegren – Argonne National Laboratory
Doug MacAyeal – The University of Chicago
Nancy Marley – Argonne National Laboratory
Roser Matamala – Argonne National Laboratory
R. Mike Miller – Argonne National Laboratory
Doug Sisterson – Argonne National Laboratory
Justin Wilkinson-Lockheed Martin Space Operations

   National Aeronautic Space Agency (NASA)
SPEAKERS – GREF STUDENTS!

Laura Alvarez-Aviles – The University of Alaska, Fairbanks
Amy Bratcher – Texas A&M University
Elsa Cleland – Stanford University
Alison Drake – University of Arizona
Dabrina Dutcher Stolzenburg – University of Minnesota
Emily Holister – Texas A&M University
Erika Marin- Spiotta – University of California, Berkeley
Tony Watson – University of Illinois, Urbana-Champaign
Shelby Winiecki – The University of Chicago
THE GCEP STAFF

Mr. Rick Petty – DOE Office of Biological and Environmental Research, Climate Change Research Division

Mr. Peter Lunn – DOE OBER

Milt Constantin – Oak Ridge Associated Universities

Mary Kinney – Oak Ridge Associated Universities

Donna Holdridge- Argonne National Laboratory – Web Site

Pat Shoulders – Argonne National Laboratory

Jeff Gaffney – Argonne National Laboratory
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 Pat or Mary!