GOALS AND OBJECTIVES FOR SUMMER 2008
Summer Undergraduate Research Experience - SURE

Orientation Workshop – Knoxville, TN – Oak Ridge National Laboratory (ORNL)

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

What are some of the key issues in the Southeast!

Research Experience – Mentoring!

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

Final Workshop – Washington, D.C.

Oral Presentations on Accomplishments!
Summer Undergraduate Research Experience (SURE)
Graduate Research Environmental Fellows (GREF)

Orientation for NEW SURE and GREF and Returning SURE and GREF Fellows
– Opportunity for Status Report – GREF!

Get to Meet your Fellow SURE and GREF students!
SURE ⇒⇒⇒⇒GREF!

Final Workshop – More Status Reports – SURE and GREF!
NETWORKING

Getting to know the players!

Getting to know other students in the field!
Our Global Change Education Program Goals:
Give students the opportunity to find out what research is like!
One on one with leaders in the field of Global Climate Change!
Encourage undergraduates to enter graduate school!
Help graduate students complete thesis in Global Climate 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

Jeff Gaffney – University of Arkansas at Little Rock (UALR)
Nancy Marley – University of Arkansas at Little Rock (UALR)
Justin Wilkinson-Lockheed Martin Space Operations
   National Aeronautic Space Agency (NASA)
David Erickson – Oak Ridge National Laboratory
Rich Norby – Oak Ridge National Laboratory
Doug Sisterson – Argonne National Laboratory
Aimee Classen – Oak Ridge National Laboratory/U. Tenn. Knoxville
Amy Wolfe – Oak Ridge National Laboratory
Don Myers – Tennessee Valley Authority
SPEAKERS – GREF STUDENTS!

Sarah O’Brien – University of Illinois at Chicago
Colleen Iversen – University of Tennessee, Knoxville
Emily Fischer – University of Washington, Seattle
Eric Ward – Duke University
Victoria Wittig – University of Illinois at Urbana-Champaign
Erika Roessler – University of Michigan
Erin Hokanson – University of Wisconsin, Madison
THE GCEP STAFF

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

Milt Constantin – Oak Ridge Associated Universities (ORAU)

Donna Holdridge- Argonne National Laboratory (ANL) – Web Site

Jeff Gaffney – University of Arkansas at Little Rock (UALR)

Nancy Marley – University of Arkansas at Little Rock (UALR)

Estelle Gilbreth – University of Arkansas at Little Rock (UALR)
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
ORISE – Oak Ridge Institute for Science and Education
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
UALR – University of Arkansas at Little Rock
ALSO….

IF YOU ARE OVERWHELMED WITH ALL OF THE INFORMATION PRESENTED.. GOOD – THEN WE HAVE DONE OUR JOB – THERE IS LOTS TO BE DONE IN GLOBAL CLIMATE CHANGE RESEARCH!

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!