

REWU Project Presentations
September 5, 2002, 11:30 a.m. - 3:15 p.m. 427 ERC Auditorium

11:30-12:00

LIGHT LUNCH

12:00-12:10

WELCOME AND ACKNOWLEDGEMENTS

REBECCA GERMAN

12:10-12:20

INTRODUCTION TO PROGRAM

URMILA GHIA

12:20-3:10

PROJECT PRESENTATIONS

	<u>Student</u>	<u>Major</u>	<u>Advisor</u>	<u>Project</u>
12:20	Jenna Berndsen	Chemical Engineering	Chia-Chi Ho	The Effects of Solution Conditions on Proteins Deposited on Membrane Surfaces.
12:30	Rachel Lieberman	Chemistry	William Connick	The Synthesis of Ligands and Platinum Complexes for Multi-Electron Transfer.
12:40	Margot Brehm	Chemistry	Bruce Ault	Matrix Isolation and Theoretical Studies of Intermediates in the Reaction of Trichlorosilane with Methanol and Water.
12:50	Courtney Brown	MINE	Mark Schultz	Carbon Nanocomposite Materials.
1:00	Robyn Coleman	Material Sciences & Engineering	James Boerio	Deposition of Fluorocarbon Films on Silicon rubber using Plasma Polymerization.
1:10	Noet Elitsur	Pediatrics	Mitchell Cohen	Sodium and Blood Pressure Homeostasis of Uroguanylin Knockout Mice.
1:20	Mirjana Gajic	Biological Sciences	Brian Kinkle	Detection of Mycobacterium in Drinking water.
1:30	Rebecca Hamilton	Geography	Wendy Eisner	Pollen Analysis of a 10,000-year old Arctic Peat Core.
1:40	Heather Marshall	Biological Sciences	Steven Rogstad	Minisatellite DNA Mutation Rates among Root Crown Sprouts of American Chestnut (<i>Castanea dentata</i> ; Fagaceae).
1:50	Elise Minda	Aerospace Engineering	Karman Ghia	Investigation of Separated Flow inside a Turbomachinery Cascade of Blades.
2:00	Neha Patel	Chemistry	Marshall Wilson	Bonding of Photocleaving Agents to DNA.
2:10	Stephanie Peters	Biological Sciences	Rebecca German	Effect of Protein Malnutrition on Rat Growth and Development.
2:20	Meha Singh	Neurology	Joseph Clark	The Role of Bilirubin Oxidation Products in Vascular Remodeling following Subarachnoid Hemorrhage.
2:30	Heather Sullens	ECECS	Kenneth Roenker	Simulation of Building Semiconductors using a Software called Silvaco.
2:40	Kari Theurer	Pathology	Norman Granholm	VLDL Production and Clearance.
2:50	Meridith Tucker	Environmental Studies	Michael Miller	Investigating the Biology and Ecology of Constructed Wetlands and Retention Ponds.
3:00	Chizoba Ukpabi	Aerospace Engineering	Peter Nagy	Nondestructive Evaluation of Surface-Treated Metals using Eddy Current Inspection.
3:10	CLOSURE			

REWU (RESEARCH EXPERIENCES FOR WOMEN UNDERGRADUATES) PROGRAM

Initiated and administered by the WISE Committee, the REWU Program encourages the participation of talented young women in ongoing research. The goal is to expose students to various aspects of scientific research, and to encourage the pursuit of advanced studies in science, mathematics and engineering. This summer, seventeen students worked on research projects in Biological Sciences, Chemistry, Engineering, Environment Studies, Geography, Neurology, Pathology and Pediatrics.

WISE (WOMEN IN SCIENCE AND ENGINEERING) COMMITTEE

Rebecca German, Chair, WISE Committee, (Biological Sciences)
Urmila Ghia, Chair, REWU 2002 Program, (Mechanical, Industrial
and Nuclear Engineering)
Iain Cartwright, (Molecular genetics)
Gary Dean, (Molecular Genetics)
Roy Eckart, (Engineering Administration)
Margaret Hanson, (Physics)
Lisa Hogeland, (Center for Women's Studies)
Howard Jackson, (Physics), VP Research and Advanced Studies
Brian Kinkle, (Biological Sciences)
Maita Levine, (Mathematical Sciences)
Joy Moore, (Mathematical Sciences; Education)
Carla Purdy, (Electrical and Computer Engineering and Computer Science)
Anne Runyan, (Center for Women's Studies)
Carol Schababerle, (Rowe Center for Women in Engineering)
Tara Smith, (Mathematical Sciences)
Apryll Stalcup, (Chemistry)



WOMEN IN SCIENCE AND ENGINEERING (WISE) at the UNIVERSITY OF CINCINNATI

presents

FINAL PRESENTATIONS OF REWU SUMMER-2002 PROJECTS

RESEARCH EXPERIENCES FOR WOMEN UNDERGRADUATES (REWU)

***September 5, 2002
11:30 AM - 3:15PM***

Room 427 ERC