

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Agriculture</b>			
<b><u>Agribusiness</u></b>			
HOWARD, WAYNE	<b>Intergenerational Transfer of Family Farm Assets</b> WESTERN CENTER FOR RISK MANAGEMENT EDUCATION 03-175	\$33,425	6/1/03 - 1/31/04
HOWARD, WAYNE	<b>Farming with Family</b> U.S. DEPT OF AGRICULTURE VIA WESTERN CENTER FOR RISK MANAGEMENT EDUCATION AT WSU 03-202	\$33,425	5/31/03 - 5/30/04
MACDOUGALL, NEAL PHILLIPS, JOHN	<b>Sustainable Agriculture Resource Program Education and Outreach Programs</b> HANSEN TRUST VIA UNIVERSITY OF CALIFORNIA 03-078	\$25,000	2/15/03 - 11/15/03
MACDOUGALL, NEAL	<b>Advancement of the Sustainable Agriculture Resource Consortium (SARC) at Cal Poly</b> COLUMBIA FOUNDATION 03-108	\$149,157	5/1/03 - 4/30/05
MCCORKLE, ROBERT	<b>U.S. Peace Corps, Strategy Contract (2003-2004)</b> U.S. PEACE CORPS 03-257	\$13,999	10/1/03 - 9/30/04
NOEL, JAY WEHNER, DAVID J	<b>Establishment of the California Institute for the Study of Specialty Crops (CISSC)</b> CA DEPT OF FOOD AND AGRICULTURE 03-204	\$2,505,768	7/1/03 - 6/30/06
<b><u>Agricultural Education</u></b>			
CASEY, GLEN	<b>California Agricultural Education - Professional Development Project (2002-03)</b> CA DEPT OF EDUCATION 03-005	\$125,000	6/15/02 - 6/14/03
CASEY, GLEN	<b>Administration of Agriculture Literacy and Understanding Program</b> W. K. KELLOGG FOUNDATION VIA UNIVERSITY OF CALIFORNIA, DAVIS 03-220	\$16,740	9/1/02 - 8/31/03
FLORES, ROBERT A.	<b>San Luis Obispo Office Space and Services for CDE Agricultural Education Consultant (2002)</b> CA DEPT OF EDUCATION 03-149	\$5,027	7/15/02 - 11/4/02
FLORES, ROBERT A.	<b>San Luis Obispo Office Space and Services for CDE Agricultural Education Consultant (2003)</b> CA DEPT OF EDUCATION 03-215	\$13,750	1/12/03 - 1/11/04
<b><u>Animal Science</u></b>			
BECKETT, JONATHON	<b>Integrated Undergraduate Learning Experiences in Animal Biotechnology</b> U.S. DEPT OF AGRICULTURE - CHALLENGE GRANT PROGRAM VIA UNIVERSITY OF NEBRASKA 03-126	\$70,990	9/1/03 - 8/31/06
PLUMMER, WILLIAM BECKETT, DEBORAH M.	<b>Development of successful sex determination method of bovine embryos utilizing embryo biopsy and PCR</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-042	\$88,581	7/1/02 - 6/30/05

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PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>BioResource and Agricultural Engineering</b>			
BURT, CHARLES	<b>California Irrigation Evaluation Team Database</b> CA DEPT OF WATER RESOURCES 02-247	\$37,749	6/1/02 - 12/31/02
BURT, CHARLES	<b>Technical Assistance to Irrigation Districts and Bridging the Headgate Demonstration Project.</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 02-252	\$55,000	5/1/02 - 12/31/02
BURT, CHARLES	<b>Evaluate &amp; Define State of Knowledge of Water Balances, Water Management and Water Conservation Opportunities and Make Recommendations on Improved Water Management in the Klamath Basin</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-063	\$175,000	12/1/02 - 6/1/04
BURT, CHARLES	<b>Yakima River Basin Water Enhancement Program (YRBWEP) Feasibility Study Review of Roza-Sunnyside Board of Joint Control Project to Modernize the Sunnyside Canal</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-076	\$7,500	10/1/02 - 9/30/03
BURT, CHARLES	<b>International Training - Workshop on Irrigation Modernization, Management and Benchmarking</b> UN FOOD AND AGRICULTURE ORGANIZATION 03-116	\$16,010	1/1/03 - 4/30/03
BURT, CHARLES	<b>Summer Irrigation Evaluation Team</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-142	\$30,000	5/1/03 - 12/31/03
BURT, CHARLES	<b>NSF ITR: Real-Time GIS Based Water Ordering/Routing Software System for Irrigation Districts</b> NATIONAL SCIENCE FOUNDATION (ITR) 03-147	\$1,574,202	9/1/03 - 12/20/07
BURT, CHARLES	<b>On-Farm Irrigation System Evaluations for Westlands Water District Service Contract</b> WESTLANDS WATER DISTRICT 03-164	\$130,000	3/1/03 - 12/31/06
BURT, CHARLES	<b>Rapid Appraisal of the Tehama-Colusa Canal Authority for Modernization Potential and Priorities</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-173	\$24,900	3/1/03 - 12/31/03
BURT, CHARLES	<b>Evaluation of Water-Energy Relationship in the Fresno Area.</b> U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-198	\$40,000	5/1/03 - 9/30/04
BURT, CHARLES	<b>Agricultural Water Management Study</b> CA ENERGY COMMISSION VIA REGENTS OF THE UNIVERSITY OF CALIFORNIA 03-206	\$67,500	5/1/03 - 11/15/03
BURT, CHARLES	<b>International Training - Workshop on Irrigation Modernization, Management and Benchmarking in Nepal.</b> UN FOOD AND AGRICULTURE ORGANIZATION 03-208	\$21,558	5/1/03 - 9/30/03
SOLOMON, KENNETH BURT, CHARLES	<b>Estimation of Distribution Uniformity from Field Evaluations of Irrigation Systems</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-012	\$30,000	7/1/02 - 6/30/03
STROHMAN, ROLLIN	<b>Building Virtual Teams Among CSU Faculty Teaching Geographic Information Systems (GIS), Surveying, Photogrammetry, And Remote Sensing</b> CSU CHANCELLOR - INSTITUTE FOR TEACHING AND LEARNING 03-067	\$11,239	11/1/02 - 6/30/03

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<b>BioResource and Agricultural Engineering</b>			
STROHMAN, ROLLIN MASTIN, TOM B.	Using Virtual Teams To Develop Shared Laboratory Exercises NATIONAL SCIENCE FOUNDATION (CCLI) 03-097	\$199,377	10/1/03 - 9/30/05
STROHMAN, ROLLIN MASTIN, TOM B.	Case Studies on Integration of Surveying and Geographic Information Systems NATIONAL SCIENCE FOUNDATION (CCLI) 03-246	\$99,929	1/1/04 - 12/30/05
STYLES, STUART	Evaluation of New Communication Systems for Supervisory Control and Data Acquisition (SCADA). U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 02-258	\$24,552	7/1/02 - 12/31/02
STYLES, STUART	Supervisory Control and Data Acquisition (SCADA) Equipment Expansion U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-006	\$20,000	7/1/02 - 9/30/03
STYLES, STUART	Non-Standard Structure Flow Measurement Evaluation U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-007	\$88,052	8/1/02 - 12/31/04
STYLES, STUART	Via Carta Road Landscape Irrigation Modernization NATIONAL SCIENCE FOUNDATION (CCLI) 03-038	\$33,000	5/1/03 - 9/30/03
STYLES, STUART	New Technology Solutions for Water Measurement and Control U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-077	\$246,150	1/1/03 - 6/30/04
STYLES, STUART	Improvement of Flow Measurement and Control Research and Demonstration Facilities at ITRC Water Delivery Facility U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-096	\$100,000	1/1/03 - 12/31/04
STYLES, STUART	International Training - Workshop on Irrigation Modernization, Management and Benchmarking WORLD BANK GROUP 03-117	\$24,740	1/1/03 - 4/30/03
STYLES, STUART	Irrigation Canal Electronic Flow Rate Instrumentation Evaluation CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE (SYSTEMWIDE) 03-125	\$98,520	7/1/03 - 6/30/04
STYLES, STUART	SENSORS: Doppler Flow Measurement Integrated with a Canal Automation Algorithm NATIONAL SCIENCE FOUNDATION 03-174	\$312,653	10/1/03 - 12/31/05
STYLES, STUART	Technical Assistance Program to Irrigation Districts U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION 03-179	\$400,000	3/1/03 - 2/29/04
STYLES, STUART	International Training - Workshop on Irrigation Modernization, Management and Benchmarking in Osh, Kyrgyzstan. WORLD BANK GROUP 03-227	\$41,857	5/1/03 - 8/31/03
WILLIAMS, DOUGLAS	Data Collection from a Microturbine Operating on a Covered Lagoon Methane Recovery System CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-028	\$59,753	7/1/02 - 6/30/03

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<b><u>BioResource and Agricultural Engineering</u></b>			
WILLIAMS, DOUGLAS	<b>Flex-Microturbine for Cal Poly Digester</b> FLEXENERGY INC. 03-044	\$30,000	1/6/03 - 1/6/04
WILLIAMS, DOUGLAS	<b>Thermophilic Laboratory Digestion of Drylot Manure</b> INLAND EMPIRE UTILITIES AGENCY 03-086	\$2,576	12/1/02 - 1/31/03
<b><u>College of Agriculture</u></b>			
MARK, WALTER	<b>Sudden Oak Death Foliar Host Detection</b> U.S. DEPT OF AGRICULTURE (FOREST SERVICE) 02-213	\$25,000	7/1/02 - 6/30/03
MARK, WALTER REIMER, JEFF	<b>Networking for Urban Forestry in California</b> CA DEPT OF FORESTRY 03-058	\$140,000	11/1/02 - 12/31/05
MARK, WALTER	<b>Sudden Oak Death Distribution and Detection</b> U.S. DEPT OF AGRICULTURE (FOREST SERVICE) 03-225	\$62,000	5/1/03 - 10/1/04
MARK, WALTER	<b>2003 Ground Survey for Phytophthora ramorum Detection in the California Coast Ranges</b> U.S. DEPT OF AGRICULTURE (FOREST SERVICE) VIA SONOMA STATE UNIVERSITY 03-240	\$28,668	5/1/03 - 4/30/04
SMITH, TERRY L. FLORES, ROBERT A.	<b>Multicultural Agricultural Scholars Program at Cal Poly</b> U.S. DEPT OF AGRICULTURE (CSREES) 03-001	\$90,000	9/1/02 - 8/31/07
WEHNER, DAVID J	<b>MESA Agriculture Initiative Program 2003-2004</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 03-162	\$88,576	7/1/03 - 6/30/04
<b><u>Dairy Products Technology Center</u></b>			
FARKYE, NANA	<b>Studies on the Ripening of Cheddar Cheese: Identification of nonstarter lactic acid bacteria isolated from cheese and their role in flavor development, and the formation of calcium lactate crystals</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-023	\$116,760	7/1/02 - 6/30/04
FARKYE, NANA	<b>Survey on the Composition and Microbiology of Hispanic Cheeses and Characterization of Cotija Cheese</b> U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-075	\$128,395	10/1/03 - 9/30/05
FARKYE, NANA	<b>Shelf Stable Grated Cotija Cheese</b> CA DAIRY RESEARCH FOUNDATION 03-150	\$113,450	6/1/03 - 12/31/04
FARKYE, NANA	<b>Membrane filtration technologies for the manufacture of Hispanic-style cheeses</b> CA DAIRY RESEARCH FOUNDATION 03-193	\$169,836	1/1/04 - 12/31/05
JIMENEZ-FLORES, RAFAEL TONG, PHILLIP	<b>Feasibility Study to Produce Frozen Concentrate Dairy Ingredient</b> GERBER CALIFORNIA, INC. 03-004	\$10,025	7/1/02 - 9/1/02

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<b><u>Dairy Products Technology Center</u></b>			
JIMENEZ-FLORES, RAFAEL	<b>Process to Manufacture of New Dairy Products Enriched in Milk Fat Globule Membrane</b> U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-069	\$340,244	10/1/03 - 9/30/05
JIMENEZ-FLORES, RAFAEL	<b>Process for isolation of milk fat globule membrane (MFGM) components from cheese processing effluents</b> HILMAR CHEESE COMPANY 03-087	\$76,275	3/1/03 - 2/29/04
JIMENEZ-FLORES, RAFAEL	<b>Microbial Ecology and Biofilm Formation in Milk Processing Environments to Understand Contamination Risk</b> CANO, RAUL U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-093	\$368,912	7/1/03 - 6/30/06
JIMENEZ-FLORES, RAFAEL	<b>Milk protein and lipid interactions induced by concentration and drying processes</b> CA DAIRY RESEARCH FOUNDATION / DAIRY MANAGEMENT, INC. 03-169	\$66,656	1/1/04 - 12/31/04
JIMENEZ-FLORES, RAFAEL	<b>Process for Manufacture of New Dairy Ingredient Enriched in Phospholipids and Glycoproteins</b> CA DAIRY RESEARCH FOUNDATION / DAIRY MANAGEMENT, INC. 03-172	\$299,939	1/1/04 - 12/31/06
TONG, PHILLIP	<b>Cheese Manufacturing Short Course I &amp; II</b> CA CHEESE RESEARCH & EDUCATION FUND 02-178	\$7,500	1/1/02 - 12/31/02
TONG, PHILLIP	<b>Feasibility Testing of New Dried Dairy Ingredients</b> DAIRY AMERICA, INC. 02-224	\$4,000	6/1/02 - 7/31/02
TONG, PHILLIP	<b>Confidentiality Agreement</b> M & M/MARS, INC. 02-241	\$0	5/7/02 - 5/6/03
TONG, PHILLIP	<b>Evaluation of rice flour for use in frozen dairy desserts</b> PGP INTERNATIONAL 03-013	\$12,825	8/1/02 - 6/1/03
TONG, PHILLIP JIMENEZ-FLORES, RAFAEL	<b>Factors Influencing the Production of Heat Stable Milk Powders</b> DAIRY MANAGEMENT, INC./U.S. DAIRY EXPORT COUNCIL 03-073	\$50,000	9/15/02 - 6/14/03
TONG, PHILLIP	<b>Cal Poly Dairy Ingredients Applications Program 2003</b> CA DAIRY RESEARCH FOUNDATION / DAIRY MANAGEMENT, INC. 03-120	\$378,000	1/1/03 - 12/31/03
TONG, PHILLIP	<b>Stability of Foods Containing Dairy Ingredients Processed Under Ultra High Temperature Conditions</b> CA DAIRY RESEARCH FOUNDATION / DAIRY MANAGEMENT, INC. 03-122	\$129,600	1/1/03 - 12/31/03
<b><u>Dairy Science</u></b>			
REIF, GARY	<b>Training Student Interns to Judge Milk and Cottage Cheese Quality (2003)</b> CA MILK ADVISORY BOARD 03-115	\$9,989	1/1/03 - 12/31/03

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<b><u>Earth &amp; Soil Sciences</u></b>			
DINGUS, DEL	North American Colleges and Teachers of Agriculture (NACTA) 2003 & 2004 Conference - Developing Leadership in a Changing World U.S. DEPT OF AGRICULTURE (CSREES) 03-266	\$10,000	6/1/03 - 7/1/03
<b><u>Food Science &amp; Nutrition</u></b>			
BERNER, LOUISE PEDERSEN, MARY	BABES Infant Feeding Practices Survey SAN LUIS OBISPO, COUNTY OF 03-209	\$20,003	7/1/03 - 6/30/04
BERNER, LOUISE PEDERSEN, MARY	Influences on Breastfeeding Among Mothers in San Luis Obispo County THE CALIFORNIA ENDOWMENT 03-231	\$49,027	9/1/03 - 2/28/05
HAMPSON, BRIAN	An Integrated Research, Demonstration, and Education Program of Alternative Intervention Technologies for Food Safety and Value Improvement U.S. DEPT OF AGRICULTURE (CSREES) 03-139	\$576,473	7/1/03 - 6/30/04
HAMPSON, BRIAN	Implementation of an Innovative Strategy for Tracking the Food Supply - A Demonstration Model UNIVERSITY OF CALIFORNIA, DAVIS - WESTERN INSTITUTE FOR FOOD SAFETY & SECURITY 03-269	\$92,125	9/1/03 - 8/31/04
HAMPSON, BRIAN	Implementation of New Technologies Into Present Small Business Commercial Meat and Poultry Processing Operations From Harvest to Consumption U.S. DEPT OF AGRICULTURE (FSIS) 03-270	\$97,138	9/1/03 - 8/31/04
NICHOLSON, LISA	Creative Nutrition Concepts (CNC) for Healthy Kids SAN LUIS OBISPO, COUNTY OF 03-034	\$16,154	1/1/03 - 12/31/03
NICHOLSON, LISA WILLEY, RACHEL	Food, Fun and Fitness, Phase I ZELLMER SCHOLARSHIP TRUST FUND 03-205	\$25,010	6/1/03 - 5/31/05
NICHOLSON, LISA	Tailored Parent Nutrition Education and Community-Based Learning in San Luis Obispo County W. K. KELLOGG FOUNDATION VIA UNIVERSITY OF CALIFORNIA, DAVIS 03-247	\$39,228	8/1/03 - 7/31/05
PEDERSEN, MARY FLORES, ROBERT A.	Multicultural Agricultural Scholars Program at Cal Poly U.S. DEPT OF AGRICULTURE (CSREES) 03-118	\$90,000	9/1/03 - 8/31/08
<b><u>Horticulture &amp; Crop Science</u></b>			
COSTELLO, MICHAEL J STEINMAUS, SCOTT	Interactions Among Weeds, Ants and Obscure Mealybug in Central Coast Vineyards CA DEPT OF FOOD AND AGRICULTURE VIA CA AGRICULTURAL TECHNOLOGY INSTITUTE (CATI) 03-008	\$51,995	7/1/02 - 6/30/04
COSTELLO, MICHAEL J PATTERSON, W. KEITH	Filling in some information gaps on Willamette mite: water, sulfur and the economic injury level AMERICAN VINEYARD FOUNDATION 03-136	\$64,662	4/1/03 - 3/31/06
COSTELLO, MICHAEL J PATTERSON, W. KEITH	Filling in some information gaps on Willamette mite: water, sulfur and the economic injury level U.S. DEPT OF AGRICULTURE VIA UNIVERSITY OF CALIFORNIA - VITICULTURE CONSORTIUM 03-137	\$64,662	4/1/03 - 3/31/06

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<b><u>Horticulture &amp; Crop Science</u></b>			
<b>COSTELLO, MICHAEL J</b> PATTERSON, W. KEITH	<b>Filling in some information gaps on Willamette mite: water, sulfur and the economic injury level</b> UNIVERSITY OF CALIFORNIA 03-138	\$87,294	4/1/03 - 3/31/06
<b>FOX, JENNIFER</b> MOODY, LYNN	<b>Evaluation of annual bluegrass performance under different soil depths in a sand-based soil system</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-026	\$63,874	7/1/02 - 6/30/05
<b>HEADRICK, DAVID</b>	<b>Ecological Studies &amp; Natural Enemy Evaluations for Citrus Peelminer</b> CA DEPT OF FOOD AND AGRICULTURE VIA CA AGRICULTURAL TECHNOLOGY INSTITUTE (CATI) 03-009	\$21,653	7/1/02 - 6/30/05
<b>HEADRICK, DAVID</b>	<b>Ecological Studies &amp; Natural Enemy Evaluations for Citrus Peelminer</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-011	\$107,279	7/1/02 - 6/30/05
<b>HEADRICK, DAVID</b>	<b>Interactions and Efficacy of Commercially Available and Naturally Occurring Whitefly Parasitoids (Hymenoptera: Aphelinidae) for Whitefly Management in Central Coast Strawberries</b> CA STRAWBERRY COMMISSION 03-195	\$148,418	7/1/03 - 6/30/06
<b>STEINMAUS, SCOTT</b> JANKAY, PETER T	<b>Elucidating the genetic mechanism of glyphosate (Roundup) resistance in a biotype of weedy ryegrass (Lolium spp.)</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-018	\$45,000	7/1/02 - 6/30/04
<b>STEINMAUS, SCOTT</b> JANKAY, PETER T	<b>Genetic mechanism and competitiveness of a glyphosate resistant ryegrass (Lolium multiflorum)</b> U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-094	\$203,943	7/1/03 - 6/30/05
<b>STEINMAUS, SCOTT</b>	<b>Development of a predictive model for Arundo donax based on climate in California</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE (SYSTEMWIDE) 03-124	\$139,783	7/1/03 - 6/30/05
<b>WALTER, VIRGINIA</b> STEINMAUS, SCOTT	<b>Seasonal Solarization Effects on Weed Population as Affected by Retractable Roof Growing Structure used for Fresh Flower Production</b> CA CUT FLOWER COMMISSION 03-053	\$4,000	2/15/03 - 2/14/04
<b><u>MESA Agricultural Initiative</u></b>			
<b>HARRISON, BRET</b>	<b>The MESA Curriculum Development Project</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 03-037	\$99,614	11/1/02 - 9/30/03
<b>HARRISON, BRET</b>	<b>My Community, Our Earth (MyCOE) Project</b> U.S. DEPT OF AGRICULTURE (CSREES) VIA TUSKEGEE UNIVERSITY 03-066	\$6,000	9/15/02 - 9/14/03
<b><u>Natural Resource Management</u></b>			
<b>DICUS, CHRISTOPHER A.</b> THOMPSON, RICHARD	<b>California Urban &amp; Community Forest Metropolitan Initiative</b> CA DEPT OF FORESTRY 03-046	\$184,613	12/1/01 - 10/31/03
<b>DICUS, CHRISTOPHER A.</b>	<b>McIntire-Stennis - Potential Wildfire Behavior After Harvest in a Coast Redwood Forest</b> U.S. DEPT OF AGRICULTURE (CSREES) 03-101	\$16,460	10/1/02 - 9/30/03

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<b><u>Natural Resource Management</u></b>			
DICUS, CHRISTOPHER A.	<b>Fire Hazard Analysis</b> CA DEPT OF FORESTRY 03-186	\$17,600	4/1/03 - 12/31/03
DIETTERICK, BRIAN MARK, WALTER	<b>Water Quality and Geomorphic Evaluation in a Forested Coastal California Watershed - A Component of the Little Creek Study</b> U.S. DEPT OF AGRICULTURE (CSREES) - NRI 03-080	\$349,957	10/1/03 - 9/30/06
DIETTERICK, BRIAN	<b>Evaluation of Event-Based Suspended Sediment Monitoring on Two Coastal Watersheds</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE (SYSTEMWIDE) 03-123	\$407,896	7/1/03 - 6/30/06
DIETTERICK, BRIAN MARK, WALTER	<b>Water Quality and Geomorphic Evaluation in a Forested Coastal California Watershed - A Component of the Little Creek Study</b> U.S. DEPT OF AGRICULTURE (CSREES) 03-212	\$349,957	10/1/03 - 9/30/06
DIETTERICK, BRIAN MASTIN, TOM B.	<b>Channel Survey and Classification for Reach of San Luis Obispo</b> LAND CONSERVANCY OF SAN LUIS OBISPO, COUNTY 03-213	\$10,000	5/1/03 - 6/30/03
GILL, SAMANTHA	<b>Modeling Height to Crown Base and Ladder Fuels in Giant Sequoia Groves</b> CSU CHANCELLOR - AGRICULTURE RESEARCH INITIATIVE 03-010	\$60,901	7/1/02 - 6/30/03
PIIRTO, DOUGLAS	<b>Stand Structure &amp; Sierran Bird Response to 3 Management Treatments in Second-Growth Giant Sequoia (sequoiadendron giganteum) Stands</b> CA DEPT OF FORESTRY 02-221	\$25,000	7/1/02 - 6/30/04
PIIRTO, DOUGLAS SHELTON, MARK	<b>McIntire-Stennis Forestry Research Program (2002-2003)</b> U.S. DEPT OF AGRICULTURE (CSREES) 03-099	\$23,619	10/1/02 - 9/30/03
PIIRTO, DOUGLAS	<b>Raptor Habitat Selection</b> CA DEPT OF FORESTRY 03-111	\$30,000	2/1/03 - 1/31/05
PIIRTO, DOUGLAS	<b>Student Assistants for California Department of Forestry (2003-2005)</b> CA DEPT OF FORESTRY 03-250	\$60,000	7/1/03 - 6/30/05
PILLSBURY, NORMAN MARK, WALTER	<b>McIntire-Stennis - Long-Term Growth, Sudden Oak Death Assessment &amp; Economic Viability of Coast Live Oak in 3 California Counties</b> U.S. DEPT OF AGRICULTURE (CSREES) 03-100	\$6,401	10/1/02 - 9/30/03

### **Architecture & Env Design**

#### **Architectural Engineering**

MAY, VICKI V.	<b>COLLABORATIVE RESEARCH: A Simulation Protocol For Three-Dimensional Seismic Response of Structures with Applications to Hybrid Dual Systems</b> NATIONAL SCIENCE FOUNDATION 03-064	\$104,896	9/1/03 - 12/31/07
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<b><u>Architecture</u></b>			
GIBERTI, BRUNO	An Architectural Survey of the work of Wilson Brothers & Co GRAHAM FOUNDATION 02-249	\$5,000	7/1/02 - 6/30/03
PENA, ROBERT MADDREN, JESSE	Cal Poly Solar Decathlon U.S. DEPT OF ENERGY & NATIONAL RENEWABLE ENERGY LABORATORY 03-216	\$5,000	7/1/03 - 12/31/05
POHL, JENS	ICODES (Integrated Computerized Deployment System) Development and Software Maintenance Support CDM TECHNOLOGIES, INC. 03-030	\$299,720	8/24/02 - 11/15/02
POHL, JENS	ICODES (Integrated Computerized Deployment System) Development and Software Maintenance Support CDM TECHNOLOGIES, INC. 03-091	\$234,131	11/16/02 - 2/15/03
POHL, JENS	Optimization of Military and Commercial Goods Movement Through Southern California Phase II: Regional Supply Chain Simulation CA STATE UNIVERSITY LONG BEACH FOUNDATION 03-143	\$29,981	2/17/03 - 9/2/03
POHL, JENS	ICODES (Integrated Computerized Deployment System) Development and Software Maintenance Support CDM TECHNOLOGIES, INC. 03-183	\$179,705	3/15/03 - 6/13/03
POHL, JENS	Collaborative Decision-Support Systems Workshop U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 03-185	\$50,000	4/15/03 - 12/31/03
POHL, JENS	ICODES (Integrated Computerized Deployment System) Development and Software Maintenance Support CDM TECHNOLOGIES, INC. 03-273	\$124,913	6/28/03 - 9/5/03
STANNARD, SANDRA	Agents of Change Regional Training Session - August 2004 U.S. DEPT OF EDUCATION (FIPSE) VIA UNIVERSITY OF OREGON 03-177	\$15,000	6/1/04 - 9/30/04
<b><u>City &amp; Regional Planning</u></b>			
HOWARD, ZELJKA PAVLOVICH	Regional Smart Growth Solutions SAN LUIS OBISPO, COUNTY OF 03-061	\$5,000	9/23/02 - 4/30/03
HOWARD, ZELJKA PAVLOVICH DEL RIO NASCIMENTO, VICENTE	East Grand Avenue Enhancement Project (City of Arroyo Grande, CA) CITY OF ARROYO GRANDE 03-217	\$3,000	4/2/03 - 7/15/03

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>College of Arch &amp; Env Design</u></b>			
DONALDSON, JOSEPH SUTLIFF, DALE A	Fixed Price Agreement: Beatty Planning Services BEATTY HABITAT COMMITTEE (BEATTY, NEVADA) 03-129	\$4,207	1/6/03 - 4/30/03
<b><u>Construction Management</u></b>			
JACKSON, BARBARA	Industry & Academic Demand for Design-Build Education DESIGN-BUILD EDUCATION & RESEARCH FOUNDATION 03-047	\$5,000	9/1/02 - 10/31/03
<b><u>Landscape Architecture</u></b>			
BREMER, WALTER	Implementation Support for the PLACE(3)S Project SAN LUIS OBISPO, COUNCIL OF GOVERNMENTS (SLOCOG) 03-033	\$50,000	2/1/02 - 12/31/02
<b><u>Business</u></b>			
<b><u>Management</u></b>			
RYAN, JOHN MCQUAID, PATRICIA	Development of a Cal Poly Hosted Consumer and Market Research Data Base NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 03-107	\$19,986	4/1/03 - 11/30/03
RYAN, JOHN MCQUAID, PATRICIA	Development of a Cal Poly Hosted Consumer and Market Research Data Base NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 03-241	\$20,000	8/1/03 - 3/31/04
RYAN, JOHN MCQUAID, PATRICIA	A Fourth Generation Internet Advertising System Value-Per-Click (VPC) Project Synopsis NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 03-242	\$20,000	8/1/03 - 3/31/04
<b><u>Education</u></b>			
<b><u>Education</u></b>			
HERNANDEZ, ANITA	Influences on Language and Literacy Development of Immigrant Latino Children FOUNDATION FOR CHILD DEVELOPMENT 03-133	\$150,000	7/1/03 - 6/30/06
KONOPAK, BONNIE	Impact of SB 2042 Credentialing Reforms on Teacher Retention and Workforce Distribution: A Research Design Using Web-based Technology CA COMMISSION ON TEACHER CREDENTIALING 03-119	\$110,691	2/1/03 - 8/31/03

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Engineering</b>			
<b><u>Aerospace Engineering</u></b>			
BIEZAD, DANIEL	<b>Non-Linear Landing Gear Model Simulator</b> LOCKHEED MARTIN AERONAUTICS 03-059	\$31,755	9/23/02 - 12/6/02
HALL, DAVID W.	<b>Aerospace Systems Design Studies</b> NASA - AMES RESEARCH CENTER 03-134	\$250,000	4/1/03 - 12/31/04
PUIG-SUARI, JORDI	<b>Quakefinder / Cal Poly Memorandum of Understanding</b> QUAKEFINDER, LLC 03-152	\$0	4/1/03 - 6/30/03
PUIG-SUARI, JORDI	<b>Launch Services Agreement between Cal Poly and International Space Company (ISC) Kosmotras.</b> MULTIPLE UNIVERSITIES 03-154	\$0	3/31/04 - 9/30/04
PUIG-SUARI, JORDI	<b>Support for CubeSat Activities at Cal Poly: A Proposal for the California Space Grant Consortium Aerospace Workforce Development Program</b> CALIFORNIA SPACE GRANT CONSORTIUM 03-229	\$10,000	6/20/03 - 8/31/03
<b><u>ARDFA</u></b>			
GERFEN, JEFFREY CHATZIOANOU, ALYPIOS	<b>Bus Rapid Transit Demonstration 2003 - EDAPTS Component</b> CA DEPT OF TRANSPORTATION (CALTRANS) DIVISION OF RESEARCH AND INNOVATION 02-255	\$233,294	9/1/02 - 12/1/03
GERFEN, JEFFREY	<b>Safety at Unprotected Rail Crossings</b> PATH VIA UNIVERSITY OF CALIFORNIA, BERKELEY 03-165	\$190,000	9/1/03 - 6/30/05
<b><u>Civil &amp; Environmental Engineering</u></b>			
CHATZIOANOU, ALYPIOS	<b>Phase II Feasibility Study for Fresno/Clovis Metropolitan Elevated Fixed Guide-Way (Monorail) System</b> FRESNO AREA SKY TRAIN - F.A.S.T. 03-074	\$38,929	3/15/03 - 10/31/03
GOEL, RAKESH	<b>Dynamic Analysis Procedures for Performance-Based Seismic Engineering of Unsymmetric-Plan Buildings</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, BERKELEY 03-024	\$120,826	7/1/03 - 6/30/06
HALL, GARRETT J.	<b>NSF Europe: Structure Based Simulation of Solid-Solid Phase Transforming Materials</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, BERKELEY 03-071	\$117,221	9/1/03 - 8/31/06
HALL, GARRETT J.	<b>Structure Based Simulation of Single Crystal Materials for Active Sensors</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, BERKELEY 03-170	\$65,000	9/1/03 - 8/31/06
HALL, GARRETT J. KASPER, ERIC P.	<b>A Mutidisciplinary Approach to Strengthen Engineering, Math and Science in Primary Education</b> NATIONAL SCIENCE FOUNDATION 03-232	\$99,087	1/1/04 - 12/31/04

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Civil &amp; Environmental Engineering</u></b>			
KASPER, ERIC P. HALL, GARRETT J.	Theoretical and Numerical Analysis of Biomedical Devices NATIONAL INSTITUTES OF HEALTH 03-052	\$393,896	9/1/03 - 8/31/06
SULLIVAN, EDWARD	Task #6 Safety of Trees in Narrow Medians of Urban Highways - Phase III CA DEPT OF TRANSPORTATION (CALTRANS) 03-014	\$104,363	2/1/03 - 12/31/03
SULLIVAN, EDWARD GOULD WELLS, DIANA	Task #4 TMC Training Program 2003-2004 CA DEPT OF TRANSPORTATION (CALTRANS) 03-104	\$65,812	1/1/03 - 6/30/04
SULLIVAN, EDWARD	Task #5 TMC Training Program Enhancement 2003-2004 CA DEPT OF TRANSPORTATION (CALTRANS) 03-105	\$300,000	1/1/03 - 6/30/04
<b><u>College of Engineering</u></b>			
WALSH, DANIEL	Excellence in Engineering at Cal Poly - A New Biomedical Engineering Degree Program WHITAKER FOUNDATION 03-021	\$950,923	7/1/03 - 6/30/06
<b><u>Computer Science</u></b>			
BUCKALEW, WILLIAM BREMER, WALTER	ITR: Development of Software for Energetic Analyses of Pedestrian Travel. NATIONAL SCIENCE FOUNDATION 03-102	\$59,403	6/1/03 - 9/30/04
FRANKLIN, DIANA	ITR: Synchroscalar: Exploiting Synchronized Clock Domains for Energy Efficient Multirate Embedded Computation NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, DAVIS 03-103	\$50,986	4/1/03 - 3/31/06
ROGERS, ERIKA	Collaborative Research: ITR: Urban Search and Rescue Robot-Agent-People Systems NATIONAL SCIENCE FOUNDATION 03-194	\$186,218	10/1/03 - 9/30/08
STALEY, CLINTON	Task #1 MIL-STD-1553 Graphical User Interface - Development of a Hardware Bus-Testing System RAYTHEON COMPANY 02-190	\$5,000	4/1/02 - 6/15/02
<b><u>Electrical Engineering</u></b>			
ARAKAKI, DEAN	Slot Antenna Development RAYTHEON COMPANY 02-244	\$10,000	5/1/02 - 4/30/03
ARAKAKI, DEAN	Accurate and Efficient Techniques on the Analysis of Reflectarray Antennas NASA VIA CALIFORNIA INSTITUTE OF TECHNOLOGY 03-036	\$64,214	1/1/03 - 9/30/04
ARAKAKI, DEAN	Antenna Anechoic Test Chamber and Laboratory Experiment Development NATIONAL SCIENCE FOUNDATION (CCLI-EMD) 03-203	\$74,977	1/1/04 - 12/31/05

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Electrical Engineering</u></b>			
NAFISI, AHMAD	Training for PG&E Personnel - Power Systems and Power Electronics PACIFIC GAS & ELECTRIC COMPANY 03-017	\$9,032	8/27/02 - 9/20/02
SAGHRI, JOHN A.	Task #4 Synthetic Aperture Radar, Automatic Target Recognition with the Topographic Primal Sketch RAYTHEON COMPANY 03-016	\$20,000	8/1/02 - 7/31/03
TAUFIK,	Summer Undergraduate Research Fellowship NATIONAL INSTITUTES OF STANDARDS AND TECHNOLOGY 03-163	\$5,420	5/27/03 - 8/15/03
<b><u>Industrial &amp; Manufacturing Engineering</u></b>			
CROCKETT, ROBERT	Solid Freeform Fabrication in Microgravity: Fluid Stability in Fused Deposition Modeling Systems NASA OFFICE OF BIOLOGICAL AND PHYSICAL RESEARCH 03-049	\$562,558	4/15/03 - 4/14/07
CROCKETT, ROBERT	Accurate Heart Model and Chest Cavity for ICD Development ST. JUDE MEDICAL 03-245	\$19,370	6/16/03 - 8/31/03
FREED, TALI	Task #2 Cal Poly / Raytheon Joint Project Flexible Manufacturing, Production Execution Team RAYTHEON COMPANY 02-209	\$10,000	4/1/02 - 8/31/02
FREED, TALI	Task #5 Cal Poly / Raytheon Joint Project Flexible Manufacturing; Development for Production Team RAYTHEON COMPANY 03-019	\$10,000	4/1/02 - 8/31/02
MENON, UNNY POURAGHABAGHER, REZA	Collision Parts Fit Test Feasibility Study - Phase II TOYOTA MOTOR SALES USA 02-210	\$179,098	7/12/02 - 7/30/03
<b><u>Materials Engineering</u></b>			
CHEN, KATHERINE C.	Structural Determination of TiNi-H Alloys NITINOL DEVICES & COMPONENTS 03-180	\$10,000	3/1/03 - 3/1/04
NIEBUHR, DAVID V. RAINEY, PAUL E	A Nondestructive Engineering Course for Undergraduates NATIONAL SCIENCE FOUNDATION (CCLI) 02-208	\$74,733	6/1/03 - 5/31/05
NIEBUHR, DAVID V.	Microstructure-Property Relationships of Thermally Sprayed Coatings. NATIONAL SCIENCE FOUNDATION VIA OREGON HEALTH & SCIENCE UNIVERSITY 03-003	\$183,124	1/1/03 - 12/31/05
NIEBUHR, DAVID V.	Atomic Force Microscopy NASA VIA CALIFORNIA INSTITUTE OF TECHNOLOGY JET PROPULSION LAB 03-083	\$50,000	1/1/04 - 12/31/05
NIEBUHR, DAVID V.	Analysis of Aluminum and 304 Stainless Steel Plates GENERAL ATOMICS 03-196	\$6,633	4/25/03 - 12/31/03

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Materials Engineering</u></b>			
VANASUPA, LINDA	<b>The Foundation Series Modules in Materials Science and Engineering: Integrating Science, Math and Technology into Engineering Labs</b> NATIONAL SCIENCE FOUNDATION (CCLI-EMD) VIA CUESTA COLLEGE 03-254	\$28,756	1/1/04 - 12/31/07
<b><u>Mechanical Engineering</u></b>			
HIGGINS, BRIAN	<b>Non-Axisymmetric Infrared Plume Tomography for Rocket Plume Species and Temperature Distributions</b> NASA STTR VIA SIERRA ENGINEERING 03-031	\$30,683	1/1/03 - 8/30/03
KLISCH, STEPHEN M. DAVOL, ANDREW	<b>Analytical Models for the Growth and Remodeling of Cartilage</b> NATIONAL SCIENCE FOUNDATION 03-040	\$167,945	6/1/03 - 9/30/05
KLISCH, STEPHEN M.	<b>A Biomechanical Model of Growth for Developing Articular Cartilage</b> WHITAKER FOUNDATION 03-127	\$236,866	9/15/03 - 9/14/06
KLISCH, STEPHEN M.	<b>The Biomechanics of Articular Cartilage Growth</b> NATIONAL INSTITUTES OF HEALTH 03-230	\$202,500	4/1/04 - 5/31/07
NIKU, SAEED	<b>Force Feedback-Controlled Joystick for Visually Impaired Wheelchair Users</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 03-234	\$12,406	9/15/03 - 3/15/05
NIKU, SAEED	<b>Microprocessor Controllable Pliable Surfaces</b> NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 03-235	\$16,191	9/15/03 - 3/15/05
NIKU, SAEED LOCASCIO, JAMES	<b>Mechatronics Educational Modules for Junior High and High School Teachers and University Students</b> NATIONAL SCIENCE FOUNDATION (CCLI-EMD) 03-236	\$74,325	1/1/04 - 12/31/06
PASCUAL, CHRISTOPHER THORNCROFT, GLEN E.	<b>NSF MRI / RUI: Acquisition of Helium Leak Detector for Research in Vacuum Pressure Control</b> NATIONAL SCIENCE FOUNDATION (RUI-MRI) 03-131	\$40,387	9/1/03 - 8/31/04
PATTON, J. SCOTT SHOLLENBERGER, KIM	<b>CCLI Adaptation and Implementation: Multiphase Flow Course/Laboratory Development</b> NATIONAL SCIENCE FOUNDATION (CCLI) 03-092	\$99,995	6/15/03 - 6/14/05
<b><u>Minority Engineering Program</u></b>			
CANTU, DAVID	<b>Mesa Minority Engineering Program 2003-2004</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 03-155	\$54,086	7/1/03 - 8/31/04
CANTU, DAVID	<b>Mesa Minority Engineering Program 2003-2004</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 03-190	\$36,057	7/1/03 - 8/31/04
CANTU, DAVID	<b>Mesa Schools Program 2003-2004</b> UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT - MESA 03-191	\$56,250	7/1/03 - 8/31/04

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Liberal Arts</b>			
<b><u>Cal Poly Arts</u></b>			
WILT, PETER	<b>Artists in Schools Program</b> SAN LUIS OBISPO, COUNTY OF 03-151	\$4,000	3/1/03 - 6/30/03
WILT, PETER	<b>Artists in Schools Program for 2003-2004 Season</b> SAN LUIS OBISPO, CITY OF 03-159	\$4,500	7/1/03 - 6/30/04
WILT, PETER	<b>WESTAF TourWest Program 2003-04 Season</b> WESTERN STATES ART FEDERATION 03-178	\$5,000	7/1/03 - 6/30/04
WILT, PETER	<b>California Arts Council Touring and Presenting Program 2003-2004</b> CA ARTS COUNCIL (TOURING AND PRESENTING PROGRAM) 03-181	\$11,880	7/1/03 - 6/30/04
<b><u>Graphic Communications</u></b>			
HINDERLITER, HAL	<b>Education Services Agreement</b> I.O. TECHNOLOGIES 03-251	\$0	6/10/03 - 6/9/05
<b><u>Liberal Studies</u></b>			
DUFFY, SUSAN	<b>Central Coast Center for Arts Education: Supporting Community and School-Based Arts Education in San Luis Obispo County</b> NATIONAL ENDOWMENT FOR THE ARTS 02-260	\$54,379	6/1/03 - 5/31/05
DUFFY, SUSAN	<b>Arts Education Professional Development for Teachers: Supporting a Beginning for Arts Education In SLO County</b> BRAITMAYER FOUNDATION 03-079	\$10,000	6/1/03 - 5/31/04
DUFFY, SUSAN	<b>Arts Education Professional Development for Teachers: Supporting a Beginning for Arts Education In SLO County</b> CALIFORNIA PIZZA KITCHEN FOUNDATION 03-130	\$14,690	6/1/03 - 5/31/04
DUFFY, SUSAN	<b>The Cal Poly Arts in Education Program, 2003-2004</b> CA ARTS COUNCIL 03-199	\$118,500	7/1/03 - 6/30/04
DUFFY, SUSAN FRIEND, KATHLEEN	<b>Central Coast Center for Arts Education: Supporting A Beginning for Arts Education in San Luis Obispo County Through University /School District Partnerships</b> U.S. DEPT OF EDUCATION 03-237	\$509,430	9/1/03 - 8/31/08
<b><u>Political Science</u></b>			
EVANS, BUD FETZER, PHILIP	<b>Fixed Price Agreement - Class Project (Political Science 384): SLO County Hunger Survey 2003</b> SAN LUIS OBISPO, COUNTY COMMUNITY FOUNDATION 03-158	\$1,000	2/18/03 - 7/31/03

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Social Sciences</u></b>			
DUCHOWNY, LAUREL	<b>Sudden Adulthood: Prosecutorial Waiver and the Transfer of Kids to Criminal Court</b> NATIONAL SCIENCE FOUNDATION 03-027	\$80,540	4/1/03 - 3/31/04
JONES, TERRY	<b>Diablo Canyon Archaeology</b> CA SEA GRANT PROGRAM (COASTAL OCEAN RESOURCES) 03-146	\$35,312	3/1/04 - 2/28/06
JONES, TERRY	<b>2003-2004 Archaeological Field School Site Evaluation Fort Hunter Liggett, Monterey County, California</b> U.S. GENERAL SERVICES ADMINISTRATION 03-207	\$62,500	8/1/03 - 8/31/04
<b><u>Science &amp; Mathematics</u></b>			
<b><u>Biological Sciences</u></b>			
ADAMS, NIKKI	<b>Molecular Targets of and Protection against Ultraviolet Radiation in Sea Urchin Embryos (RUI)</b> NATIONAL SCIENCE FOUNDATION (RUI) 02-261	\$407,856	1/1/03 - 12/31/05
ADAMS, NIKKI MOLINE, MARK	<b>UMEB Mentoring Undergraduate Research in Marine Environmental Science</b> NATIONAL SCIENCE FOUNDATION 03-062	\$500,000	9/1/03 - 8/31/08
ADAMS, NIKKI	<b>Molecular Targets of and Protection against Ultraviolet Radiation in Sea Urchin Embryos (RUI)</b> NATIONAL SCIENCE FOUNDATION (RUI) 03-112	\$375,003	7/1/03 - 6/30/06
ADAMS, NIKKI	<b>Enhancing Management Effectiveness of Marine Protected Areas &amp; Coral Reef Species Conservation through Assessment of Mycosporine-like Amino Acids (MAA) content in Populations and Species</b> WORLD WILDLIFE FUND (WWF) 03-157	\$10,000	3/1/03 - 4/1/04
CANO, RAUL KITTS, CHRISTOPHER L	<b>Fee-for-Service Agreement, EBI</b> VARIOUS SPONSORS 03-041	\$0	9/1/02 - 12/31/03
CANO, RAUL	<b>Fixed Price Agreement: Assessing Microbial Diversity of Nereus Samples</b> NEREUS PHARMACEUTICAL, INC. 03-192	\$34,499	4/15/03 - 7/14/03
HOLLAND, V. L.	<b>Ecoremediation Project - Guadalupe Oil Field</b> UNOCAL CORPORATION 03-072	\$60,000	9/1/02 - 8/31/03
KITTS, CHRISTOPHER L	<b>Palo Verde Study: Source Tracking of Fecal Coliform Contamination in the Palo Verde Watershed</b> STATE WATER RESOURCES CONTROL BOARD 03-045	\$58,050	3/1/03 - 9/30/03
MOLINE, MARK	<b>Collaborative Research: Lagrangian studies of the transport, transformation, and biological impact of nutrients and contaminant metals in an estuarine plume.</b> NATIONAL SCIENCE FOUNDATION 02-263	\$399,503	9/1/03 - 8/31/08



## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Biological Sciences</u></b>			
MOLINE, MARK	<b>Continuous Real-Time Monitoring of Environmental Threats to Water Quality in San Luis Obispo Bay, CA</b> CA REGIONAL WATER QUALITY CONTROL BD, CENTRAL COAST VIA SAN JOSE STATE UNIV FOUNDATION 02-270	\$110,539	9/1/02 - 8/31/04
MOLINE, MARK	<b>Quantification of Littoral Bioluminescence Structure and Induced Water Leaving Radiance</b> U.S. DEPT OF THE NAVY, OFFICE OF NAVAL RESEARCH 03-022	\$254,122	10/1/02 - 9/30/05
MOLINE, MARK	<b>Demonstration of an Integrated Autonomous Network for Spatial Monitoring of Harmful Algal Blooms</b> NOAA VIA RUTGERS UNIVERSITY 03-243	\$150,015	2/1/04 - 1/31/07
NAKAMURA, ROYDEN VILLABLANCA, FRANCIS	<b>Population Genetic Structure of the Commercially Important Cabezon Based on Multiple Loci</b> CA SEA GRANT PROGRAM (FISHERIES) 03-141	\$64,749	3/1/04 - 2/28/05
VILLABLANCA, FRANCIS	<b>Carmel River Mitigation Bank</b> CA DEPT OF TRANSPORTATION (CALTRANS) VIA CSU TRUSTEES 03-015	\$78,794	8/1/02 - 4/30/03
VILLABLANCA, FRANCIS	<b>MOU #66 (CalTrans): Environmental Technical Studies</b> CA DEPT OF TRANSPORTATION (CALTRANS) VIA CSU TRUSTEES 03-098	\$88,024	4/15/03 - 6/30/04
WENDT, DEAN	<b>RUI: Using direct evidence to determine the energetic and ecological significance of dissolved organic matter (DOM) for the bryozoan Bugula neritina.</b> NATIONAL SCIENCE FOUNDATION (RUI) 02-195	\$238,314	9/1/02 - 12/31/04
WENDT, DEAN	<b>Testing the feasibility of appliqué coating technology for use in control and prevention of biofouling in marine environments.</b> NAVAL SURFACE WARFARE CENTER 02-201	\$34,547	9/1/02 - 8/31/03
WENDT, DEAN	<b>Sea Grant Aquatic Nuisance Species (ANS): Understanding Invasions Mediated by Hull-Fouling: Can Simple Management Practices Prevent the Spread of ANS?</b> CA SEA GRANT COLLEGE 03-095	\$234,001	6/1/03 - 5/31/05
WENDT, DEAN MOLINE, MARK	<b>Construction of a Boat Launching and Landing Facility at the Marine Science Education and Research Center at California Polytechnic State University, San Luis Obispo</b> NATIONAL SCIENCE FOUNDATION 03-160	\$151,500	10/1/03 - 9/30/06
WENDT, DEAN NAKAMURA, ROYDEN	<b>Collaborative Fisheries Research: A Preliminary Study of the of the Near-Shore Fish and Fisheries of the Central California Coast (Point Sal to Cambria)</b> VARIOUS SPONSORS 03-267	\$22,779	7/1/03 - 6/30/04
<b><u>Chemistry and BioChemistry</u></b>			
BERBER-JIMENEZ, M. DOLORES MEDINA, ELSA	<b>Teachers and Educators Allied for Mathematics and Science (TEAMS)</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF CALIFORNIA, SANTA BARBARA 03-114	\$803,015	9/1/03 - 8/31/08

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Chemistry and BioChemistry</u></b>			
BERBER-JIMENEZ, M. DOLORES	<b>Central Coast Science Project 2003-2004</b> UNIVERSITY OF CALIFORNIA (CALIFORNIA SCIENCE PROJECT)		
	03-214	\$203,545	7/1/03 - 6/30/04
CENSULLO, ALBERT	<b>Fine and Ultrafine Particulate Matter Study</b> UNIVERSITY OF CALIFORNIA		
	03-161	\$18,000	3/10/03 - 9/30/03
GRAGSON, DEREK	<b>CAREER: Development of an Undergraduate Research Program Exploring the Mechanisms of Multilayer Film Formation Using a Multi-Technique Approach</b> NATIONAL SCIENCE FOUNDATION		
	02-216	\$532,923	6/1/03 - 5/31/08
JONES, DANE	<b>Fixed Price: Compatibility Studies of Gypsum-based &amp; Concrete-based Spackling Products</b> CTS CEMENT MANUFACTURING COMPANY		
	03-110	\$5,000	12/20/02 - 4/19/03
JONES, DANE WILLS, MAX	<b>Advanced Hydrothane Research</b> GUIDANT CORPORATION		
	03-182	\$14,000	3/15/03 - 12/4/03
KANTOROWSKI, ERIC	<b>Development of a Radical Precursor/Chiral Auxiliary Strategy for Asymmetric Cyclizations</b> CAMILLE AND HENRY DREYFUS FOUNDATION, INC.		
	03-218	\$20,000	9/1/03 - 8/31/08
KANTOROWSKI, ERIC	<b>Development of a Radical Precursor/Chiral Auxiliary Strategy for Asymmetric Cyclizations</b> PETROLEUM RESEARCH FUND (AMERICAN CHEMICAL SOCIETY)		
	03-239	\$35,000	7/1/04 - 6/30/06
KINGSBURY, KEVIN	<b>Mechanistic Studies of Ring-Opening Polymerization Reactions by N-Heterocyclic Carbenes</b> PETROLEUM RESEARCH FUND (AMERICAN CHEMICAL SOCIETY)		
	03-121	\$48,380	9/1/03 - 8/30/04
<b><u>Mathematics</u></b>			
AGRONSKY, STEVEN	<b>Mathematics Diagnostic Testing Project (MDTP)</b> UNIVERSITY OF CALIFORNIA		
	03-089	\$18,008	7/1/02 - 6/30/03
BACHMAN, DAVID	<b>CAREER: Understanding 3-manifolds via Heegaard Theory</b> NATIONAL SCIENCE FOUNDATION		
	03-002	\$416,441	6/1/03 - 5/31/08
BACHMAN, DAVID	<b>RUI: Understanding Heegaard Splittings of 3-Manifolds</b> NATIONAL SCIENCE FOUNDATION (RUI)		
	03-070	\$223,696	7/1/03 - 6/30/06
BASOR, ESTELLE	<b>The Asymptotic Behavior of Toeplitz and Wiener-Hopf Determinants with Singular Symbols and their Applications</b> U.S. CIVILIAN RESEARCH & DEVELOPMENT FOUNDATION (CRDF)		
	03-085	\$3,200	12/1/02 - 11/30/04
KATO, GORO	<b>QuBIC: Non-Discrete Entangled Systems</b> NATIONAL SCIENCE FOUNDATION		
	03-060	\$201,973	9/1/03 - 8/31/06

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Mathematics</u></b>			
KATO, GORO	<b>Theory of Temporal Topos</b> NATIONAL SCIENCE FOUNDATION 03-088	\$99,505	7/1/03 - 6/30/04
WHITE, MATTHEW	<b>RUI: Geometric Bounds for Hyperbolic Manifolds</b> NATIONAL SCIENCE FOUNDATION (RUI) 03-084	\$71,132	7/1/03 - 6/30/06
<b><u>Physics</u></b>			
BENSKY, THOMAS	<b>Rapid Electric Field Delivery to Rydberg Atoms Using a Transmission Line Discontinuity</b> RESEARCH CORPORATION (COTTRELL COLLEGE SCIENCE AWARDS) 03-055	\$25,000	7/1/03 - 8/31/04
ECHOLS, ROBERT	<b>Exploring Fundamental Electrical and Optical Properties of Heterojunction Semiconducting Polymer Solar Cells</b> RESEARCH CORPORATION (COTTRELL COLLEGE SCIENCE AWARDS) 03-057	\$37,202	7/1/03 - 6/30/05
FRANKEL, RICHARD	<b>Exploring the Living Universe: The Origin, Evolution, and Distribution of Habitable Environments and Live in the Cosmos (Section: Biosignatures of Primitive Life Forms)</b> NASA VIA ARIZONA STATE UNIVERSITY 03-144	\$149,494	7/1/03 - 6/30/08
HOELLWARTH, CHANCE TOMASINI, ALICE	<b>INTEGRATED PHYSICAL SCIENCE FOR NON-SCIENCE MAJORS</b> NOVA (NASA) 03-140	\$33,940	4/1/03 - 3/31/04
HOELLWARTH, CHANCE TOMASINI, ALICE	<b>The Cal Poly Plan for Training Future Teachers in Physics</b> AMERICAN PHYSICAL SOCIETY 03-176	\$80,000	8/15/03 - 8/24/04
SCHWARTZ, PETER	<b>Task #6: Construction of Tetrahedral Photonic Bandgap Crystal: Demonstrating Three-Dimensional Self-Assembly using DNA Linkage</b> RAYTHEON COMPANY 03-029	\$20,000	9/1/02 - 8/31/03
SHARPE, JOHN P SUNGAR, NILGUN	<b>Collaborative Investigation of Noise Driven Spatial Extended Nonlinear Optical Systems</b> NATIONAL SCIENCE FOUNDATION 03-219	\$21,000	1/1/04 - 4/30/04
<b><u>Statistics</u></b>			
CHANCE, BETH L.	<b>Evaluating the Impact of Lesson Study on Developing Statistical Thinking</b> NATIONAL SCIENCE FOUNDATION VIA UNIVERSITY OF MINNESOTA 03-228	\$155,664	1/1/04 - 8/31/06
ROSSMAN, ALLAN	<b>A Data-Oriented, Active Learning, Post-Calculus Introduction to Statistical Concepts, Methods, and Theory</b> NATIONAL SCIENCE FOUNDATION 02-114	\$142,500	2/1/03 - 8/31/04

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b>Student Affairs</b>			
<b><u>Health &amp; Psychological Services</u></b>			
BRAGG, MARTIN	Freshmen High-Risk Drinking Reduction Program U.S. DEPT OF EDUCATION 03-171	\$297,828	7/1/03 - 6/30/05
<b><u>Student Academic Services</u></b>			
CORTEZ, SAM	Cal Poly Upward Bound Project (2003-2008) U.S. DEPT OF EDUCATION 03-106	\$2,356,069	9/1/03 - 8/31/08
DAVIS, DONNA	Allensworth Mentoring Program BP 03-032	\$2,471	1/1/03 - 12/31/03
<b><u>Student Life &amp; Leadership</u></b>			
ANDLIG, MAYA L.	GLBU and Pride Alliance Presents CommUnity Pride Week and Respect Zone SAN LUIS OBISPO COUNTY COMMUNITY FOUNDATION 03-221	\$8,550	6/15/03 - 6/14/04
LAMB, STEPHAN	PROJECT EMBRACE- AmeriCorps: A SLO Countywide Coalition of 9-16 Institutions & Schools, Faith-Based Organizations, Public & Governmental Entities & Grassroots Non Profit Agencies Responding to Community Health & Housing Needs		
RADOVICH, BRADY	CA GOVERNOR'S OFFICE ON SERVICE & VOLUNTEERISM (GO SERV) 03-109	\$334,045	7/1/03 - 6/30/04
LAMB, STEPHAN RADOVICH, BRADY	Learn and Serve Guides Project CORPORATION FOR NATIONAL AND COMMUNITY SERVICE 03-189	\$123,942	10/1/03 - 9/30/06
<b>Other</b>			
<b><u>Academic Affairs</u></b>			
ZINGG, PAUL	The Cal Poly Pericles Project: Journey Towards Democracy - Power, Voice and the Public Good AAC & U - CENTER FOR LIBERAL EDUCATION & CIVIC ENGAGEMENT 03-259	\$5,500	8/1/03 - 7/31/04
<b><u>Academic Programs</u></b>			
CONN, W. DAVID	Comprehensive Assessment of the Used Oil/HWW Program CA INTEGRATED WASTE MANAGEMENT BOARD 02-268	\$199,842	9/1/02 - 6/30/03
MORROBEL-SOSA, ANNY OPAVA, SUSAN	Poly-WISE 21 NATIONAL SCIENCE FOUNDATION 03-050	\$2,487,326	1/1/03 - 12/31/07

## PROPOSALS SUBMITTED IN FISCAL YEAR 2003

PI CO-PI	TITLE AGENCY PROPOSAL #	AMOUNT REQUESTED	PROJECT DATES
<b><u>Research &amp; Graduate Programs</u></b>			
OPAVA, SUSAN	SIL, Inc. Master Agreement SPACE INFORMATION LABORATORIES, INC. 03-148	\$0	2/1/03 - 1/31/08
<b><u>University Police Department</u></b>			
AEILTS, ANTHONY	Universal Hiring Program 2003 U.S. DEPT OF JUSTICE - UNIVERSAL HIRING PROGRAM 03-260	\$150,000	7/1/03 - 6/30/07
AEILTS, ANTHONY	High-Tech Crime & Terrorism Reduction Utilizing a Community Policing Approach U.S. DEPT OF JUSTICE (COPS) 03-271	\$227,917	9/1/03 - 8/31/04
JORDAN, DONNA	Bulletproof Vest Partnership 2002-03 U.S. DEPT OF JUSTICE, OFFICE OF JUSTICE PROGRAMS 03-145	\$2,439	7/1/02 - 6/30/03
<b>GRAND TOTALS:</b>		<b>245 Proposals</b>	<b>\$34,278,190</b>