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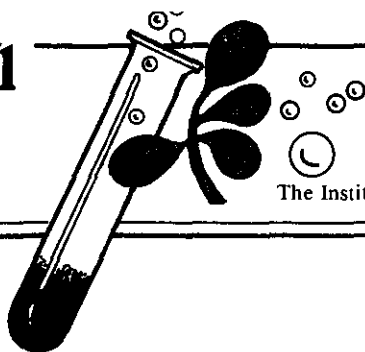
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June 1997

Volume 31, Number 6

COMMENTS FROM THE DEAN

Dear Colleagues:

This column is written to bring you up-to-date on several issues of importance to faculty. Please contact me if you desire additional information regarding any of these issues.

Intellectual Property:

Dale Vanderholm is the IANR Intellectual Property Officer and he should be your first point of contact regarding patent disclosures. Dale will advise you on the process, provide the interface between you and Don Helmuth's office, and provide follow-up to ensure that the disclosure documents are being processed.

Grant Proposal Processing:

The ARD Office should be the first point of contact on all research-related grant proposals. We can advise you on the grant proposal submission process and assist with the development of the budget. Please keep in mind that ARD has sign-off authority for proposals submitted to USDA agencies and, thus, these proposals are not routed through the Research Grants and Contracts Office.

UNL Reallocation Process:

Recommendations regarding reallocation enhancements have been made by the Chancellor's Budget Advisory Committee and approved by the Academic Planning Committee. Chancellor Moeser will make the final decisions on June 12 as the Legislature adjourns. ARD expects to receive funds for several exciting new programs.

Administrator Evaluation Process:

A joint unit administrator-faculty committee has made recommendations regarding needed changes in the administrator evaluation process. The recommendations will be considered by the IANR Liaison Committee, Vice Chancellor Council and the Administrative Council. We anticipate that the "new" process will be implemented for the 1997 evaluations of administrators.

Faculty Evaluation Process:

A joint administrator-faculty committee is evaluating the effectiveness of the new ARFA and evaluation process used for 1996. This committee may recommend some alterations in the ARFA and/or evaluation form. A committee report will be available in mid-June.

Periodic Review of Tenured Faculty:

A revised version of the process for periodic review of tenured faculty has been developed and submitted to Chancellor Moeser. The document is currently under review by the Academic Senate and senior administrators. The document recommends that reviews be conducted only when requested by the faculty member or when a faculty member received two consecutive annual evaluations of less than satisfactory.

School of Natural Resource Sciences:

The proposal to establish the School of Natural Resource Sciences was approved by the Board of Regents at the May meeting. The proposal will be considered by the Coordinating Commission for Postsecondary Education at their August meeting. We anticipate having the SNRS operational by the start of the fall semester. Recruitment is currently underway for a Director Designee.

*Darrell W. Nelson
Dean and Director*

ESCOPE/ACOP LEADERSHIP DEVELOPMENT PROGRAM—HIGHLIGHTS OF A YEAR WELL SPENT

ESCOPE/ACOP Leadership Development training is divided into three phases. Phase I was a week of intensive self-assessment, peer evaluation and group discussion of both positive and negative leadership traits and their applications. For us, this was a week in Indianapolis under the direction of Triangle Associates. There were games that required participation to fully benefit from the session, but the benefits far outweighed any negatives. The highlights of the session for Kyle were the peer, administrative, and self-evaluation surveys, while David found the time and opportunity to think about his expectations of a leader to be most helpful, because it gave him a greater appreciation of the role everyone can play on a given project.

Phase II consisted of internship activities at UNL. Kyle worked out of Dean Nelson's office on-campus while David worked with Dr. Charles Hibberd, Director of the Panhandle Research and Extension Center. This phase included interviews with administrators throughout the University of Nebraska system. It was extremely interesting to hear a variety of administrators discuss their philosophies on administration



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and leadership, but the highlight was gaining an appreciation for the dedication and commitment of our administration. We also participated in several activities that gave us a broader perspective of the way decisions are made and new ideas are implemented, along with the nuts and bolts of how IANR operates on a daily basis. In addition, we both worked on a longer-term project that gave us more in-depth exposure to one particular activity. Kyle emphasized the development of the School of Natural Resource Sciences while David worked on developing ideas for better coordination of research at Research and Extension Centers and budget development for the High Plains Ag Lab. While both projects may have involved our time without the program, it gave us the opportunity to think more about how the system functioned rather than just getting the job done.

Perhaps we were well brain-washed, but we were exposed to a large number of administrators and leadership styles outside of IANR and we are convinced that we have one of the most user-friendly, innovative, and talented groups in the country. It does not mean we cannot still criticize, but it will be with a whole different perspective on what alternatives are possible.

The final phase will be three days in Washington, D.C. where we will be exposed to more of the land-grant system and how it functions politically, particularly at the federal level. The trip is pending, but we both agree that it would have to fall far below expectations to impact our positive opinion of the ESCOP/ACOP Leadership Development over-all program. We greatly appreciate the opportunity to have been part of the program.

*David Baltensperger
Kyle Hoagland*

NOMINATIONS SOUGHT FOR JUNIOR FACULTY EXCELLENCE IN RESEARCH AWARD

The Agricultural Research Division is seeking nominations for the Junior Faculty Excellence in Research Award. Given to 22 individuals since 1991, the award is designed to acknowledge outstanding research activity by tenure-track ARD faculty with five years or less of service.

Any ARD faculty member or unit administrator can nominate a deserving junior faculty member. Selection criteria include publications of UNL-based research results, external funding and peer recognition. Award winners will receive a \$3,000 grant for professional development or research expenses, along with a plaque and certificate.

The deadline for submission of nominations is **Aug. 15, 1997**. Additional information can be obtained from unit administrators or by contacting Dora Dill at 479-7082.

NUPROF ORIENTATION

I want to encourage you, if you are in mid-career and looking at your future in coming years, to consider NUPROF — a systematic, life/career planning program available in the Institute of Agriculture and Natural Resources. Over 250 of your colleagues have participated. One of the results verbal-

ized by many is the feeling of being in greater control of their lives and careers. There are no pre-determined outcomes so participants can consider and make a range of changes, including rededicating themselves to continuing what they are currently doing.

The NUPROF Class of 1997-1998 will be formed the first part of September. An orientation meeting will be from noon to 1:15 p.m. Tuesday, Aug. 26, 1997, in the East Campus Union. A repeat session will be held on Thursday, Aug. 28 from noon to 1:15 p.m. in the ECU. If you cannot attend the orientation in person, contact the OPOD office (402/472-5558) to arrange a teleconference hookup or to discuss applying for NUPROF.

If you are a faculty member in any of the divisions or in the counties, with six years of experience or more or have tenure, you may want to look into NUPROF. It is appropriate for anyone who is "at a crossroads," thinking about a possible new professional direction, or those who want to step back and seriously assess their careers.

For those who decide to apply and enter NUPROF, the first requirement is attending the Faculty Development Institute at The Barn Bed and Breakfast Inn in Valley Falls, Kansas Oct. 1-3, 1997. This activity is a joint experience with Kansas State University.

If you have questions about NUPROF please feel free to contact me.

*Dan Wheeler
Coordinator*

Office of Professional and Organizational Development
402/472-5558 or 402/472-4749

SHRIPAT KAMBLE SELECTED FOR LEADERSHIP DEVELOPMENT COURSE

Dr. Shripat Kamble, Professor of Entomology and Pesticide Impact Assessment specialist in the Water Center/Environmental Programs, has been selected to participate in the 1997-98 ESCOP/ACOP Leadership Development Program. Shripat will complete a three-phase program that features a week-long "introduction to leadership" workshop in Indianapolis; an administrative internship from July 1, 1997 to June 30, 1998; and a capstone seminar with federal agency leaders, lobbyists, and Congressional staff personnel in Washington, D.C.

While serving as an intern, Shripat will participate in ARD staff meetings, lead project reviews, undertake special projects, interview senior administrators and study research administration. We are pleased that Shripat will be spending about 10 percent of his time in intern activities during the next year.

Shripat replaces Drs. Kyle Hoagland and David Baltensperger, who will finish their formal internship on June 30, 1997. We wish them continued success in research and education.

ARD-ADMINISTERED GRANT AND AWARDS PROGRAMS

The Agricultural Research Division administers several grant and recognition programs using ARD funds, NU Foundation funds and funds from other sources. Some of these are awarded annually on a regular schedule and some on an ad hoc basis as funds permit. The following summary explains some of these programs and how they are currently being administered.

NU Foundation Endowments

Anna H. Elliott Fund Grants

Awarded every two years as endowment income permits. Income is about \$60,000 annually and program is oriented to plant science research directed to western Nebraska. RFP issued about **Dec. 15**, awarded in **odd-numbered** years.

Sampson Range and Pasture Management Endowment

Awarded every two years as endowment income permits. Three research, extension or teaching projects are funded every two years. The program is directed at pasture and rangeland management and the study of native grasses. RFP issued about **Jan. 15**, awarded in **odd-numbered** years.

Mussehl Poultry Research Endowment

Awarded every two years as endowment income permits. Income is about \$25,000 per year. Research in poultry management, health, nutrition, physiology, waste management and utilization, and poultry product research is supported by the endowment. RFP is issued about **June 1**, awarded in **even-numbered** years.

Widaman Trust Graduate Fellowship

Awarded annually. \$2,000 added to stipend of outstanding graduate students. Nominations are due about **May 10**.

Hardin Distinguished Graduate Fellowship in Plant Stress Physiology

Awarded annually. \$2,000 added to stipend of a selected student plus \$1,000 to the department to assist student's research. One fellowship awarded annually. Nominations are due about **May 10**.

Mary and Charles C. Cooper/Emma I. Sharpless Fellowships

Jointly awarded on an annual basis by ARD and CASNR. \$1,000 or \$2,000 added to stipend of selected graduate students for assistance in recruitment. Applications are accepted throughout the year.

Junior Faculty Excellence in Research Recognition (Ruth E. Branham Endowment)

Up to two junior faculty recognized per year. Recognition consists of certificate, plaque, and \$3,000 for use in research or professional development. Call for nominations is issued on **June 1**.

Burlington Northern Water-Science Endowment

Awarded on a bi-annual basis for water science research. Approximately \$60,000 is available every two years. RFP is issued about **Jan. 15**, awarded in **even-numbered** years.

Helen Porter Van Spronssen Charitable Trust

The annual income from the Trust is to partially support (\$10,000) one GRA in the range and livestock research program. This will be a named assistantship assigned to

an approved ARD project in range and livestock research at the Gudmundsen Sandhills Laboratory. Awarded every two years. RFP issued about **Feb. 1**, awarded in **odd-numbered** years.

Ralph H. Bainbridge Memorial Fund

The annual income of approximately \$5,000 will be used to partially support research in beef production and grassland management. Grants will be awarded on a competitive basis to interdisciplinary teams. Matching funds will be required. Awarded every two years. RFP issued about **Feb. 1**, awarded in **odd-numbered** years.

Agricultural and Water Research Fund

Interest income will be used in conjunction with the current Burlington Northern Water-Science Endowment to enhance biannual awards in water science and irrigation management research. This is awarded every two years in concurrence with the Burlington Northern Water-Science Endowment. RFP issued about **Jan. 15**.

Jorgensen Fund

The interest income will be used to partially support a GRA for a graduate student conducting research at the Gudmundsen Sandhills Laboratory on beef-range systems. Awarded every two years. RFP issued about **Feb. 1**, awarded in **odd-numbered** years.

Channing B. and Katherine W. Baker Fund

Interest from the endowment is used to support one GRA in the areas of (i) soil conservation and management or (ii) breeding and genetics of food and feed grains. Preference in awarding the GRA will be given to Ph.D. students. Awarded every two years. RFP issued about **Feb. 1**, awarded in **odd-numbered** years.

ARD Discretionary Funds

Interdisciplinary Research Grants

Awarded annually depending on availability of funds. Two or three grants awarded for up to two years duration and for up to \$20,000 annually. RFP issued about **Feb. 1**.

Innovative and High Risk Research Program

Awarded annually depending on availability of funds. The purpose is to provide initial funding for innovative research that will lead to extramural grant proposals. \$15,000 will be provided for these one-year projects. Applications accepted anytime during the year although call for proposals will be issued about **June 1**. Relatively few proposals have been received for this program. Faculty redirecting research thrusts are encouraged to prepare proposals. Evaluations of proposals will occur about **Oct. 15, Jan. 15, April 15, and July 15** each year.

Graduate Student Recruitment Funds

Awarded as requested by departments. Up to two per department per calendar year. Award pays up to 50 percent of expenses or \$200 per student. Purpose is to reimburse recruitment visits to UNL for students offered assistantships.

ESCOP/ACOP Leadership Development Course

One or two faculty members are selected for participation each year. Award consists of tuition and travel expenses

associated with ESCOP/ACOP Leadership Development Course. Participants spend about 10 percent of their time serving as administrative interns in ARD. Request for applications is issued about Feb. 1.

ARD/State Budget Funds

ARD Research Equipment Awards

Awarded annually, as provided in state appropriations. Approximately \$225,000 awarded annually to all ARD units, according to prioritized requests. RFP issued about Sept. 1.

Anyone with questions about these programs is encouraged to contact the Agricultural Research Division office.

SAMPSON RANGE AND PASTURE MANAGEMENT ENDOWMENTS

Six proposals were submitted to the ARD Sampson Range and Pasture Management Endowment. Three proposals were funded for 1997-98. This endowment was established in the University of Nebraska Foundation by the widow of Arthur William Sampson to support range and pasture management programs at the University of Nebraska. Sampson proposals were awarded to the following:

Bruce Anderson (Agronomy) and **Jim Gosey** (Animal Science) "Legume Benefits and Persistence in Smooth Brome Pastures"

Total Funded: \$9,960

Funding Period: May 1, 1997 - April 30, 1998

David Baltensperger (PHREC), **Ken Vogel**, **Robert Shearman** (Agronomy) "Forage Grass Seed Production Research"

Total Funded: \$9,000

Funding Period: May 1, 1997 - April 30, 1998

Jerry Volesky, **Don Adams** and **Richard Clark** (West Central Research and Extension Center) "Swath Grazing and Hay-Feeding Systems for Over-Wintering Calves"

Total Funded: \$9,800

Funding Period: May 1, 1997 - April 30, 1998

ARD INTERDISCIPLINARY RESEARCH GRANTS PROGRAM

Eighteen proposals were submitted to the ARD Interdisciplinary Research Grants Program and three proposals were selected to be funded for 1997-98. Three continuation projects also were funded. New ARD Interdisciplinary Research Grants were awarded to the following:

Shripat Kamble (Water Center/Environmental Programs) "Development of a Biochemical Approach to Manage German Cockroaches"

Bill Meredith, **Doug Abbott**, **Gary Heusel**, **Kathleen Lodl**, **James Meyer** (Family and Consumer Sciences, 4-H, and University of Arkansas) "High Hopes & Bright Futures: Successful Teens in Nebraska"

Andrew Benson and **Larry Parkhurst** (Food Science and Technology and Chemistry) "Novel Methods for the Detection of Pathogenic Microorganisms in Food: Coupling of Molecular Recognition and Signal Generation in Arrayed Fluorescent Hybridization Assays"

The following continuing projects have been evaluated and will continue for 1996-97:

Gary Yuen, **Garald Horst**, **Ken Hubbard**, **Elizabeth Walter-Shea**, **Tyler Kokjohn**, and **L.J. Giesler** (Plant Pathology, Horticulture, Ag Meteorology, School of Biological Sciences) "Ultraviolet Dosimetry in Crop Canopies"

Raul Barletta, **Rod Moxley**, **Will Laegreid**, **Garry Adams**, **A.C. Rice-Ficht**, **Nancy Caceres**, **Zhenggu Feng**, **N.Beth Harris**, **Ming-Kun Hsieh**, **Ofelia Chacon** and **Stephanie Williams** (Veterinary and Biomedical Sciences, Texas A&M University, Purdue University) "Development of a Mycobacterial Marker Vaccine"

Blair Siegfried, **Anthony Zera**, **Kenneth Nickerson**, **Larry Harshman**, **John Witkowski** (Entomology, School of Biological Sciences and Northeast Research and Extension Center) "Selection for Resistance to *Bacillus thuringiensis* in the European Corn Borer"

ANNA ELLIOTT PROPOSALS

Twenty-two proposals were received for the Anna H. Elliott fund. This foundation fund was established in the University of Nebraska Foundation with the stipulation that earnings be used for research in some area of agriculture, particularly in the field of plant sciences, and with preference to plant science in Western Nebraska. Six proposals were funded as follows:

Drew Lyon (PHREC), **Tim Arkebauer** (Agronomy), **Steve Meyer** (Agricultural Meteorology) "Responsive Dryland Cropping Systems for Western Nebraska"

Total Funded: \$ 14,000

Funding Period: April 1, 1997 - March 31, 1998

Dermot Coyne, **Paul Read** (Horticulture); **Amit Mitra**, **Anne Vidaver** (Plant Pathology); **Dale Lindgren** (WCREC); **Z. Zhang**, **Thomas Clemente** (Beadle Center)

"Development of Transgenic Beans with a Non-Plant Antibacterial Protein Gene Combined with Plant Genes for Increased Common Bacterial Blight Resistance to Permit Development of Dry Bean Seed Industry in Western Nebraska"

Total Funded: \$8,000

Funding Period: April 1, 1997 - March 31, 1998

Jerry Volesky, **Richard Clark**, **Don Adams** (WCREC) "Grazing Strategies for Subirrigated Meadows in the Nebraska Sandhills"

Total Funded: \$9,800

Funding Period: April 1, 1997 - March 31, 1998

Walter Schacht (Agronomy), **Terry Klopfenstein** (Animal Science), **Pat Reece** (PHREC), **Don Adams** (WCREC) "Summer by Winter Grazing Interaction Effects on Vigor and Yield of Range Grasses in the Sandhills"

Total Funded: \$14,000

Funding Period: April 1, 1997 - March 31, 1998

Gary Hergert (WCREC)

"Using Remote Sensing and GIS to Improve Crop Yields on High pH Western Nebraska Soils"

Total Funded: \$10,690

Funding Period: April 1, 1997 - March 31, 1998

Lowell Moser, Walter Schacht, Alex Smart (Agronomy);
Jerry Volesky (WCREC)

"Evaluation of Two Rapid Techniques to Estimate Leaf:
 Stem Ratio in Warm- and Cool-Season Grasses"

Total Funded: \$3,950

Funding Period: April 1, 1997 - March 31, 1998



**GRANTS AND CONTRACTS
 RECEIVED
 APRIL AND MAY, 1997**

Agricultural Economics	
Miscellaneous grants under \$10,000 each	750
Agricultural Meteorology	
Miscellaneous grants under \$10,000 each	2,500
Agricultural Research and Development Center	
Miscellaneous grants under \$10,000 each	8,000
Agronomy	
Comfort, S. and Shea, P. — KSU-EPA	21,699
Johnson, B. — Mycogen Corporation	18,000
Miscellaneous grants under \$10,000 each	38,924
Animal Science	
Miscellaneous grants under \$10,000 each	62,808
Biochemistry	
Chollet, R. — NSF	104,000
Ragsdale, S. — NIH	200,972
Miscellaneous grants under \$10,000 each	7,500
Entomology	
Meinke, L. — USDA/ARS	77,830
Miscellaneous grants under \$10,000 each	18,100
Food Science and Technology	
Jackson, D. — Conasupo	523,594
Zeece, M. — International Life Science Institute	75,000
Miscellaneous grants under \$10,000 each	9,162
Forestry, Fisheries and Wildlife	
Brandle, J. — USDA/FS	55,350
Brandle, J. — Iowa State University	32,569
Hergenrader, G. — USDA/NRCS	25,000
Hoagland, K. and Jensen, S. — U.S. Geological Survey	12,555
Miscellaneous grants under \$10,000 each	10,978
Horticulture	
Miscellaneous grants under \$10,000 each	15,460
Industrial Ag Products Center	
Hanna, M. A. — USDA/CSREES	59,815
Miscellaneous grants under \$10,000 each	18,500
Northeast Research and Extension Center	
Miscellaneous grants under \$10,000 each	34,420
Nutritional Science and Dietetics	
Miscellaneous grants under \$10,000 each	7,180
Panhandle Research and Extension Center	
Wilson, R. G. — Cascadian Inulin, LLC	12,022
Miscellaneous grants under \$10,000 each	31,465
Plant Pathology	
Miscellaneous grants under \$10,000 each	5,600
South Central Research and Extension Center	
Miscellaneous grants under \$10,000 each	16,700
Veterinary and Biomedical Sciences	
Lou, M. — Alcon Laboratories	15,000
Miscellaneous grants under \$10,000 each	15,840
West Central Research and Extension Center	
Miscellaneous grants under \$10,000 each	43,715
Grand Total	1,581,008

PROPOSALS SUBMITTED FOR FEDERAL GRANTS

The following is a listing of proposals that were submitted after April 1997 by faculty for federal grant programs. While not all grants will be funded, we are appreciative of the faculty member's effort in submitting proposals to the various agencies.

Gary L. Hergenrader — USDA-Natural Resources Conservation Service — Development and Implementation of an International Technology Exchange Program for the National Agroforestry Center — \$25,000

Donald A. Wilhite — US Department of Interior-Bureau of Reclamation — Preparation of Cooperative Drought Contingency Plan — \$200,000

Gary P. Rupp — USDA/CSREES — Beef Production Management Resource Center — \$21,433

Ruben O. Donis, T. Jack Morris, Martin Dickman, Fernando A. Osorio, Clinton Jones, Anne K. Vidaver and Charles Wood — USDA/CSREES — Center for Comparative Pathobiology — \$24,682

Curtis L. Weller and Susan L. Cuppett — USDA/CSREES - through Kansas State University — Quantity and Quality of Wax Recovered from Coproducts of Grain Sorghum Processing — \$126,734

Paul E. Read — USDA/CSREES — Nebraska Fruit and Vineyard Revival: Marketable Alternative Crops Using Technology Transfer — \$599,833

Charles A. Shapiro, William Kranz and Melinda McVey McCluskey — USDA/CSREES — Economic and Agronomic Assessment of Cropping Systems Following CRP — \$205,855

Milford Hanna, James Eakman and Todd Sneller — USDA/CSREES — Ethanol/Ether Fuel Evaluation — \$599,233

Milford Hanna — USDA/CSREES — Extrusion Processing of Food Wastes for Use as Animal Feed — \$522,472

Bahman Eghball, James S. Schepers, Glenn Helmers, Gary W. Hergert and Merle Vigil — USDA/CSREES — Effective Use of Carbon and Nutrients in Manure Using Site-Specific Application — \$578,805

Charles A. Hibberd — USDA/CSREES — Inulin from Chicory: A New Crop Providing a Healthful, Value-Added Food for the U.S. — \$551,932

Blair D. Siegfried, Kenneth W. Nickerson, Anthony J. Zera, John F. Witkowski and Lawrence G. Harshman — USDA/CSREES — Resistance Management Research and Education Network: Transgenic Corn and the European Corn Borer — \$600,000

Rochelle L. Dalla and Shirley L. Baugher — USDA/CSREES — A Social, Economic and Policy Study: Migration to Rural Meat-Packing Communities in Nebraska — \$351,666

Nancy A. Norton, Brian L. Benham, James W. Goeke and Joel P. Schneekloth — USDA/CSREES — Limiting Irrigation: Effect on Yields, Farmers' Net Returns, and Nitrate Leaching — \$404,906

John B. Campbell and Richard A. Weinzierl — USDA/CSREES — Filth Fly Management at Livestock Facilities and Rural Communities — \$562,885

Terry Klopfenstein, Richard T. Clark and Walter H. Schacht — USDA/CSREES — Enhancing Rural Communities and the Environment through Value-added Beef Systems — \$599,867

Kulvinder S. Gill, Marie Langham, Gary Hein, P. Stephen Baenziger and Scott Haley — USDA/CSREES — Directed Method of Alien Gene Manipulations Using (WSMU) Resistance as an Example — \$597,754

James R. Brandle — USDA/Forest Service — Tree-Based Buffer Systems: Their Importance at the Landscape Level Under Shifting Climate Scenarios — \$55,350

Bahman Eghball, Walter H. Schacht, Lowell E. Moser and Jerry D. Volesky — USDA/CSREES — Improving Sandy and Degraded Range and Pasture by Organic Residue Application — \$79,798

Walter H. Schacht, Patrick E. Reece, Lowell E. Moser, Lee L. Lauderback and Jerry D. Volesky — USDA/CSREES — Livestock Grazing Distribution as Affected by Plant and Animal Interactions — \$79,931

Elizabeth A. Walter-Shea and Shashi B. Verma — NASA — Characterization and Improvement of EOS Land Products Using Measurements at AMERIFLUX Grassland and Wheat Sites in the ARM/CART Region — \$585,000

NEW OR REVISED PROJECTS

The following station projects were approved recently by the USDA Cooperative State Research Service:

NEB-10-117 (Agricultural Economics) Factors Affecting the Evolution of World Agricultural Markets: Implications for U.S. Policy

Investigator: E. W. Peterson

Status: Revised Hatch project effective Feb. 18, 1997

NEB-12-259 (Agronomy) Assessment of Genetic Variation for End-Use Quality Traits in Soybean

Investigator: D. Lee

Status: New Hatch project effective March 1, 1997

NEB-13-086 (Animal Science) Sustainable Beef Growing-Finishing Systems

Investigator: T. J. Klopfenstein

Status: Revised Hatch project effective April 1, 1997

NEB-15-078 (Biochemistry) Genetic Modification of Chloroplast Rubisco

Investigator: R. J. Spreitzer

Status: New Hatch project effective Feb. 18, 1997

NEB-15-080 (Biochemistry) Characterization of Human Telomerase

Investigator: C. M. Price

Status: New Hatch project effective April 1, 1997

NEB-15-081 (Biochemistry) Symbiosome Proteins from Soybean Root Nodules

Investigator: G. Sarath

Status: New Hatch project effective April 1, 1997

NEB-17-067 (Entomology) The Influence of Shelterbelts and Alfalfa on Natural Enemies of the Bean Leaf Beetle in Soybeans

Investigator: S. D. Danielson

Status: New Hatch project effective Jan. 3, 1997

NEB-17-068 (Entomology) Mechanisms and Management of Arthropod Injury to Plants

Investigator: L. G. Higley

Status: New Hatch project effective March 1, 1997

NEB-20-050 (Horticulture) Cultural Practices to Minimize Environmental Stress on Vegetable Crop Production and Physiology

Investigator: L. Hodges

Status: Revised Hatch project effective Feb. 19, 1997

NEB-27-011 (Ag Meteorology) Relationships Between Remotely-Sensed Spectral Properties of Vegetated Surfaces and Biophysical Property

Investigator: E. A. Walter-Shea

Status: Revised Hatch project effective Feb. 24, 1997

NEB-33-001 (Center for Grassland Studies) Center for Grassland Research

Investigator: M. A. Massengale

Status: New State project effective May 1, 1997

NEB-42-018 (Northeast Research and Extension Center) Ecology and Management of European Corn Borer and Other Stalk-Boring Lepidoptera

Investigator: J. F. Witkowski

Status: Revised Hatch project that contributes to NC-205 effective Oct. 1, 1995

NEB-91-045 (Nutritional Science and Dietetics) Using Stages of Change Model to Promote Consumption of Grains, Vegetables and Fruits by Young Adults

Investigator: N. M. Betts

Status: New Hatch project that contributes to NC-219 effective Oct. 1, 1996

NEB-91-046 (Nutritional Science and Dietetics) Exercise Dependence and Disordered Eating Behaviors: Instrument Development Validation and Testing

Investigator: N. M. Betts

Status: New Hatch project effective April 1, 1997

NEB-92-029 (Family and Consumer Sciences) The Impact of Welfare Reform on Women's Lives: Education, Job Placement/Retention, and Resource Mgmt.

Investigator: Kathy Prochaska-Cue

Status: New Hatch project effective April 1, 1997

NEB-94-023 (Textiles, Clothing and Design) Development of Textile Materials for Environmental Compatibility and Human Health and Safety

Investigator: P. C. Crews

Status: New Hatch project that contributes to S-272 effective Oct. 1, 1996.

Diane says

May you never miss a rainbow or a sunset because you are looking down.