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## ARD News April 1996

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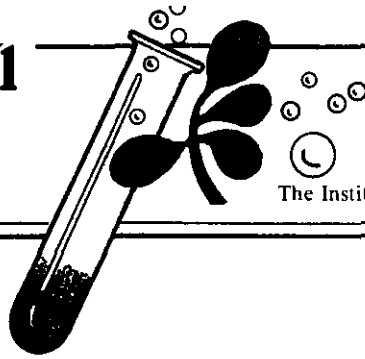


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April 1996

Volume 30, Number 5

## COMMENTS FROM THE DEAN

Dear Colleagues:

Even though the semester is coming to a close, there are many changes underway that impact ARD. We are involved in the initial phase of assuming the FTE and salary obligations for tenured and tenure-track faculty currently paid in part by Nebraska Research Initiative funds. IANR and the colleges will be "purchasing" 75 percent of the salaries of NRI-funded faculty over a six-year period.

This change was necessitated because the NRI Centers have not received increased funding for the last six years and salary increases for faculty and staff during this time have stripped the Centers of flexibility to enhance programs. Once on the regular IANR budget, salary increases will be provided through increased state appropriations.

During the past year, a group of faculty have been engaged in a process to develop a UNL "signature" program in the plant sciences. Once defined, this program will seek a large endowment to support the effort, hire one or two very distinguished plant scientists, and develop an international reputation within 10 years.

Concurrent with the Plant Science Initiative is an effort by a group of faculty to elevate the level of collaboration and interaction in the plant sciences on the campus. This group is planning programs that will enhance the broad scope of plant science at UNL.

The Areas of Concentration Program within the Biotechnology Center is seeking to provide special funds for focused, interdisciplinary efforts in "plant genetic engineering" and "comparative pathobiology." The groups carrying out these research efforts are using the Biotechnology Center funds as the base for attracting external funds to the effort.

A faculty committee has finished their deliberations regarding the need for increased focus on natural resources within UNL. They have recommended the formation of a School of Natural Resources and Environmental Programs. Input on the proposal now is being received from IANR units, and a decision on forming the School will be made in mid-April.

Although these efforts have required significant faculty involvement, the long-term benefits will be tremendous. It is great to see faculty enthusiasm and interest in these changes. We are definitely moving forward.

*Darrell W. Nelson  
Dean and Director*

## NO UNIVERSITY FUNDS MAY BE USED FOR INDIVIDUAL MEMBERSHIPS AND SUBSCRIPTIONS

The Vice Chancellor's Council recently approved a policy that prohibits the use of university funds for purchase of individual memberships in scientific organizations or personal subscriptions to journals. The policy statement is provided below:

- No university funds (appropriated, grants, contracts, indirect cost recovery, or revolving) may be used to pay individual memberships in professional societies or purchase subscriptions to journals or other periodicals.
- University funds may be used to purchase institutional memberships in civic or professional organizations or to purchase institutional subscriptions for journals or other periodicals.
- University of Nebraska Foundation funds may be used to pay for personal memberships or subscriptions if individual endowments are established for this purpose.

The policy was adopted because several cases of abuse were discovered recently and because Council members believe that faculty members have personal responsibility to be members of their professional or scientific society.



It is the policy of the University of Nebraska-Lincoln Institute of Agriculture and Natural Resources not to discriminate on the basis of sex, age, handicap, race, color, religion, marital status, veteran's status, national or ethnic origin or sexual orientation.



## **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.

#### ***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.

#### ***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.

#### ***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.

#### ***Helen Porter Van Spronsen Charitable Trust***

The annual income from the Trust will be used to partially support (\$9,000) 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.

#### ***Ralph H. Bainbridge Memorial Fund***

The annual income 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.

#### ***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.

#### ***Channing B. and Katherine W. Baker Fund***

Interest from the endowment will be 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.

### **ARD/International Programs Indirect Cost Funds**

#### ***ARD Foreign Travel Awards***

One or more grants of up to \$1,000 each awarded. \$3,000 is usually available annually for research-related foreign travel (not for professional society meetings). RFP issued when funds are made available.

#### ***ARD Research Facility Renovation Funds***

Funding is provided to units for renovation of research facilities. Amount of funding available depends on indirect cost recovery within IANR units. Requests are received from unit administration throughout the year.

## 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.

### *ESCOPIACOP 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.

## Other Programs Coordinated by ARD

### *Layman Awards (NU Foundation Funds)*

Awarded annually for research support. Size of awards vary from \$4,000 to \$7,000. RFP issued about Oct. 1.

### *NU Foundation Grants (NU Foundation Funds)*

Awarded annually for support of special programs that are designed by the President. Size of awards vary from \$10,000 to \$50,000 RFP issued about March 1.

### *Nebraska Bankers Association Grants*

Awarded annually for research/education programs relating to economic development. Size of awards vary from \$5,000 to \$20,000. RFP issued about Sept. 1.

### *Nebraska Commodity Check-off Board Grants*

Annual research grants usually in the \$5,000 to \$20,000 range. RFP issued about Oct. 1.

The Agricultural Research Division also helps process research grant proposals directed to federal and state agencies, foundations, corporations, and private organizations. The Dean for Agricultural Research has final sign-off authority for all proposals directed to USDA agencies. Proposals to other agencies and organizations are sent by ARD to the Office of Research Grants and Contracts for final processing.

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

## NEW OR REVISED PROJECTS

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

### **NEB-10-130 (Agricultural Economics) Technical Efficiency Analysis for Livestock and Dairy Operations in Nebraska**

*Investigator:* A. M. Azzam

*Status:* New Hatch project effective Aug. 24, 1995

### **NEB-10-132 (Agricultural Economics) Water Conservation, Competition and Quality in Western Irrigated Agriculture**

*Investigator:* R. J. Supalla

*Status:* New Hatch project effective Dec. 1, 1994 that contributes to regional project W-190

### **NEB-12-193 (Agronomy) Investigating Alternative Grain and Oil Crops for Nebraska**

*Investigator(s):* L. A. Nelson, D. D. Baltensperger and R. W. Elmore

*Status:* Revised Hatch project effective Nov. 1, 1995

### **NEB-12-194 (Agronomy) Novel Methods for Soybean Genetic Improvement and Genomic Analysis**

*Investigator:* J. E. Specht

*Status:* Revised Hatch project effective Dec. 1, 1995

### **NEB-12-197 (Agronomy) Tissue and Cell Physiology with Emphasis on Sorghum**

*Investigator:* M. D. Clegg

*Status:* Revised Hatch project effective Feb. 1, 1996

### **NEB-13-104 (Animal Science) Optimizing the Utilization of Dietary Fiber and Lipids by Dairy Cows**

*Investigator:* R. J. Grant

*Status:* Revised Hatch project effective Dec. 1, 1995

### **NEB-13-110 (Animal Science) Molecular Mechanisms Regulating Skeletal Muscle Growth and Differentiation**

*Investigator:* S. J. Jones

*Status:* Revised Hatch project effective Oct. 1, 1995 that contributes to regional project NC-131

**NEB-15-076 (Biochemistry) Hemoglobins in Higher Plants**

*Investigator:* R. V. Klucas

*Status:* New Hatch project effective Nov. 1, 1995

**NEB-16-068 (Food Science and Technology) Fate of Fumonisin B<sub>1</sub> in Heat Processed Corn Products**

*Investigator:* L. B. Bullerman

*Status:* New Competitive Grant effective Sept. 1, 1995

**NEB-16-069 (Food Science and Technology) Role of Proteolysis in Myofilament/Cytoskeleton Structure and Integrity**

*Investigator:* M. G. Zeece

*Status:* New Hatch project effective March 1, 1996

**NEB-17-062 (Entomology) Arthropods Associated with Buffalograss and Other Turfgrasses in Nebraska**

*Investigator:* F. P. Baxendale

*Status:* New Hatch project effective Jan. 2, 1996

**NEB-21-064 (Plant Pathology) Fusarium Mycotoxins in Cereal Grains**

*Investigator:* M. B. Dickman

*Status:* New Hatch project effective Nov. 1, 1995 that contributes to regional project NC-129

**NEB-92-022 (Family and Consumer Sciences) Retirement Economic Well-Being for Women in Nebraska and Cross-Culturally**

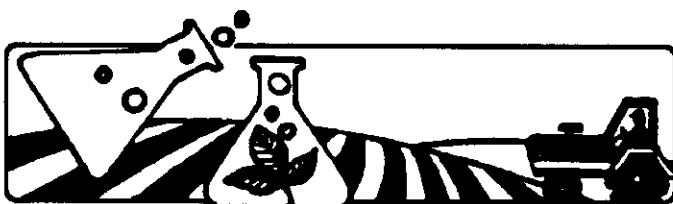
*Investigator:* S. L. Cramer

*Status:* New Hatch project effective Feb. 14, 1996

**NEB-92-023 (Family and Consumer Sciences) Economic Well-Being of Nebraska Households: A Comparison of Alternative Measures**

*Investigator:* E. P. Davis

*Status:* New Hatch project effective Feb. 27, 1996



**GRANTS AND CONTRACTS  
RECEIVED  
FEBRUARY AND MARCH, 1996**

**Agricultural Meteorology**

Walter-Shea, E. A. and Arkebauer, T. J. — NOAA 47,712

**Agronomy**

Baenziger, P. S. — Pioneer Hi-Bred 18,000  
Clegg, M. — USAID 10,000  
Comfort, S. — Kansas State University 15,034  
Diestler, D. — Purdue University 22,723  
Johnson, B. — Pioneer Hi-Bred 15,000  
Specht, J. E. — North Carolina University 62,700  
Miscellaneous grants under \$5,000 each 22,700

**Animal Science**

Calkins, C. — Purdue University 40,000  
Calkins, C. and Narayanan, R. — Nebraska Beef Council 21,250  
Klopfenstein, T. — Cargill Corn Milling Div. 62,175  
Miscellaneous grants under \$5,000 each 17,199

**Biochemistry**

Banerjee, R. — NIH 133,097  
Ragsdale, S. — U.S. Department of Energy 102,000

**Biological Systems Engineering**

Miscellaneous grants under \$5,000 each 6,136

**Center for Grassland Studies/Agronomy**

Stubbendieck, Jim — Nebraska Environmental Trust Fund 72,000

**Center for Rural Revitalization**

Allen, J. C. — University of Missouri 83,933

**Entomology**

Siegfried, B. D. and Mayo, Z B — Ohio State University 13,000  
Siegfried, B. D., Witkowski, J. F., and Wright, R. —  
Bt Management Working Group 22,000  
Stanley-Samuelson, D. — Oklahoma State University 25,497  
Miscellaneous grants under \$5,000 each 26,440

**Food Science and Technology**

Bullerman, L. — Illinois Institute of Technology 7,500  
Meagher, M. — Department of Defense-Army 36,260  
Taylor, S. — USDA/CSREES 297,518  
Taylor, S. — USDA/CSREES 39,470  
Zeece, M. — USDA 20,000  
Miscellaneous grants under \$5,000 each 15,433

**Forestry, Fisheries and Wildlife**

Hergenrader, G. and Workman, S. — USDA/FS 31,471  
Peters, E. — Nebraska Game and Parks Commission 9,260  
Miscellaneous grants under \$5,000 each 500

**Horticulture**

From, M. and Read, P. — Nebraska Environmental Trust 15,000  
Shearman, R. — National Turfgrass Federation 60,055  
Miscellaneous grants under \$5,000 each 12,522

**Northeast Research and Extension Center**

Kranz, W., Shapiro, C., Brumm, M., Anderson, B., Schulte,  
D., — Nebraska Pork Producers 12,600  
Miscellaneous grants under \$5,000 each 18,819

**Nutritional Science and Dietetics**

Miscellaneous grants under \$5,000 each 8,000

**Panhandle Research and Extension Center**

Kerr, E. — Western Sugar Co. Growers Research Committee 21,652  
Lyon, D. — Washington State University 84,000  
Lyon, D. — Nebraska Wheat Board 7,000  
Reece, P. — UN Foundation 14,691  
Smith, J., Yonts, C. D., Wilson, R. — Western Sugar Company 29,750  
Miscellaneous grants under \$5,000 each 46,790

**Plant Pathology**

Powers, T. — USDA/APHIS 10,000  
Miscellaneous grants under \$5,000 each 4,620

**South Central Research and Extension Center**

Miscellaneous grants under \$5,000 each 14,500

**Veterinary and Biomedical Sciences**

Chen, Swei-Shen Alex — Smokeless Tobacco Research  
Council, Inc. 83,934  
Lou, M. — National Institutes of Health 223,639  
Miscellaneous grants under \$5,000 each 8,566

**Water Center/Environmental Programs**

Spalding, R. — National Water Research Institute 100,000  
Volk, B. — USDA/ARS 200,000  
Miscellaneous grants under \$5,000 each 10,000

**West Central Research and Extension Center**

Hergert, G. and Nordquist, P. — UN Foundation 15,000  
Wicks, G. — State University 20,000  
Miscellaneous grants under \$5,000 each 20,825

**GRAND TOTAL**

**2,337,971**

## PROPOSALS SUBMITTED FOR FEDERAL GRANTS

The following is a listing of proposals that were submitted after Jan. 26, 1996 by faculty for federal grant programs. While not all grants will be funded, we applaud the faculty member's effort in submitting proposals to the various agencies.

**Steven J. Jones** — National Research Initiative Competitive Grants Program — Ribosomal Translation in Myogenic Cells — \$144,646

**Gautam Sarath and Robert V. Klucas** — National Research Initiative Competitive Grants Program — Symbiosome Proteins from Soybean Root Nodules — \$179,574

**Mark Morrison and Richard J. Grant** — National Research Initiative Competitive Grants Program — Molecular and Kinetics Analyses of the Adherence of *Ruminococcus albus* 8 to Cellulose — \$262,248

**Shripat T. Kamble** — USDA/NAPIAP — Nebraska Participation in the National Agricultural Pesticide Impact Assessment Program (NAPIAP) — \$22,527

**Stephen Ragsdale** — U. S. Department of Energy — The Art of Anaerobes — \$22,438

**Robert V. Klucas, Gautam Sarath and Raul Arredondo-Peter** — National Research Initiative Competitive Grants Program — Nonsymbiotic Plant Hemoglobins — \$135,000

**Daniel Pomp and Rodger K. Johnson** — National Research Initiative Competitive Grants Program — Screening the Pig Genome for QTL Controlling Reproduction — \$270,953

**Daniel Pomp and Merlyn K. Nielsen** — National Research Initiative Competitive Grants Program — A Genome-Wide Screen for QTL Controlling Maintenance Energy Requirements — \$294,400

**Terry Klopfenstein, Lowell Moser, Richard Clark and Chris Calkins** — National Research Initiative Competitive Grants Program — Beef/Forage Systems to Produce Lean Beef — \$308,528

**John Allen, Bruce Johnson and Duane Olson** — National Research Initiative Competitive Grants Program through Iowa State University — Telecommunications for Rural Community Economic Development — \$38,503

**Daniel Pomp** — National Institutes of Health — Identifying Loci Controlling Body Composition in Mice (sub-contract through North Carolina State) — \$388,902

**Dennis Jelinski** — NASA — Surface Energy and Water Balances of Forest and Wetland Subsystems in the Boreal Forest — \$42,000

**Sam Cordes, John Allen, Azzeddine Azzam, R. Garth Taylor and Evert Van der Sluis** — National Research Initiative Competitive Grants Program — The Mea-

surement of Efficiency in Resource Use in Rural Areas: A Stochastic Frontier Analysis — \$279,922

**Michael Zeece and David Hage** — National Research Initiative Competitive Grants Program — Enhancement of Capillary Electrophoresis — \$35,910

**Pat Shea, Steve Comfort, Tian Zhang and Gary Keefer** — United States Environmental Protection Agency — Remediation of Atrazine and Nitrate Contaminated Water, Sediment and Soil Remediated by Zero-Valent Iron-Promoted Processes — \$444,879

**Bahman Eghball** — National Research Initiative Competitive Grants Program — Site-Specific Manure Application for Improving Soil Productivity — \$131,131

**Walter Schacht, Patrick Reece, Lowell Moser, Donald Rundquist, Lee Lauderback and Jerry Volesky** — Rangeland Research/USDA — Stocking Density and Rangeland Slope Effects on Livestock Grazing Distribution — \$79,985

**Wayne Woldt, Istvan Bogardi and Chunhua Dou** — U. S. Environmental Protection Agency — Reducing Risk by Improving Soil Vapor Extraction Remediation Efficiency Through Innovations in Modeling — \$288,812

**Shashi Verma, Timothy Arkebauer and David Billesbach** — National Science Foundation — Field Micrometeorological Measurements, Process-Level Studies and Modeling of Methane and Carbon Dioxide Fluxes in a Boreal Wetland Ecosystem — \$165,000

**Elizabeth A. Walter-Shea and Timothy J. Arkebauer** — National Aeronautics and Space Administration — Radiation and Gas Exchange of Understory Species at BOREAS — \$36,502

**Wayne Woldt, Istvan Bogardi and Chunchua Dou** — National Research Initiative Competitive Grants Program — Estimation of Nitrate Leaching Using an Innovative Fuzzy Rule-Based Approach — \$276,846

**Carol A. Gotway, Richard B. Ferguson and Gary W. Hergert** — National Research Initiative Competitive Grants Program — Improved Statistical and Geostatistical Methods for the Evaluation of Site-Specific Management — \$241,191

**Gary W. Hergert, Richard B. Ferguson and Charles Shapiro** — National Research Initiative Competitive Grants Program — Site Specific Management Strategies for Improving Nitrogen Use Efficiency Under Furrow Irrigation — \$252,726

**John H. Golbeck** — National Science Foundation — Research Experience for Undergraduates — \$10,000

**Sharon Quisenberry and David W. Stanley-Samuelson** — National Science Foundation — Renovation of Entomology Research and Research Training Facilities — \$194,547

## 1995-96 GRADUATE STUDENT ENROLLMENT

The March issue of *CASNR Bullet* provided information about the enrollment of graduate students by major. CASNR units had 560 graduate students on the rolls with 86 percent enrolled in the fall term. This is approximately 36 less than reported for the fall term of the 1994-95 school year. Although there may be an actual decline in graduate students, the change also reflects differences in the way that data was collected for this year. Only students that were within the time restrictions for the respective graduate programs were counted, and care was taken to minimize double reporting for jointly advised students.

CHRFS units had 167 graduate students on the rolls with 86 percent enrolled during the fall term. This is 29 more students than were reported for the fall term in the 1994-95 school year. The increase likely reflects a larger number of students enrolled in the CHRFS distance education M.S. program. The total number of graduate students in IANR units for the current school year is 727, which is a slight decrease from the 734 reported for the 1994-95 school year.

Fifty-two percent of graduate students in CASNR units were pursuing Ph.D. degrees whereas only 19 percent of CHRFS students were enrolled for Ph.D. degrees. The proportion of graduate students pursuing Ph.D. degrees has increased slightly in both CASNR and CHRFS during the past two years. Women students currently represent 28 percent of CASNR graduate students. The proportion of students who are women has increased during the past three years.

In CASNR units, graduate students are supported as follows: state GRA, 18 percent; grant-funded GRA, 36 percent; state GTA, 3 percent; international agency, 14 percent; fellowship, 1 percent; and own funds, 28 percent. In CHRFS units, graduate students are supported as follows: state GRA, 11 percent; grant-funded GRA, 5 percent; fellowship, 1 percent; state GTA, 16 percent; and own funds, 67 percent.

## FACTS ABOUT THE FY 1995 NATIONAL RESEARCH INITIATIVE

In FY 1995 the National Research Initiative Competitive Grants Program (NRICGP) received an appropriation of \$103,123 million of which \$2.5 million was earmarked for the BARD program. A total of 28 research programs within eight major program areas was funded. The eight program areas and funds committed to each are presented below:

Program Area	# of Awards	Total \$ Awarded
Natural resources and environment	120	17,341,044
Nutrition, food safety and health	49	6,593,747
Animal systems	158	20,397,323
Pests, biological control and integrated pest mgmt	144	15,540,572
Plant systems	197	20,560,631
Markets, trade and rural development	35	3,296,204
Enhancing value and use of ag and forest products	69	8,255,264
Agricultural systems research	11	1,811,497
<b>Grand total</b>	<b>783</b>	<b>93,796,282</b>

Agricultural systems research is funded by a 2 percent surcharge on all other program areas.

A total of 3,214 proposals was considered for funding in 1995. Thirty-four peer panels reviewed and ranked these proposals. The success rate was 24 percent. The average grant award for a regular research program was \$122,773 with an average duration of 2.13 years. The NRICGP also funded approximately \$14 million in Agricultural Research Enhancement Awards (Postdoctoral Fellowships, New Investigator Awards, and Strengthening Awards).

The Agricultural Research Enhancement Award program is similar to EPSCoR in other federal agencies. The University of Nebraska does not qualify for this program because we have been too successful in obtaining USDA funds. About 64 percent of the awards were fundamental research and 36 percent mission-linked research. Multi-disciplinary research and single discipline research were 26 percent and 74 percent of the total, respectively.

## FY 1997 PRESIDENT'S BUDGET PROPOSAL

The FY 1997 President's Budget Proposal was released recently. Research and development activities fared reasonably well given the push to reduce the federal budget deficit. Total R & D was proposed at a level of \$72,679 billion (up 1.6 percent from FY 1996). The President proposed increases in research funds for NIH, NSF, and NASA at 3.9 percent, 4.6 percent, and 0 percent, respectively. Increases for USGS, USEPA Office of Research, NOAA, and DOE biological research were 3.2 percent, 16.9 percent, 5.7 percent, and -6.6 percent, respectively.

The President proposed reducing funding for CSREES research programs by 1.2 percent from the FY 1996 level (see table below). Most of the reduction occurred in state-specific special grants. Funding for the National Research Initiative was proposed at \$33 million greater than FY 1996. Other programs targeted for increases were "Emerging Pest and Disease Issues," "Integrated Pest Management and Biological Control" and "Pesticide Clearance" within the Special Research Grants category.

Program Area	FY 1996 Approp	FY 1997 Proposal
	----- \$ in thousands -----	
Base Programs	222,017	222,017
Special Research Grants	59,615	30,337
National Research Init.	96,735	130,000
Other Research	24,062	15,218
<b>Total</b>	<b>402,429</b>	<b>397,572</b>

The President's Budget Proposal recommends deleting all funding for buildings and facilities within the CSREES budget (\$57.838 million in FY 1996). The budget proposal also recommends a 1 percent decrease for Cooperative Extension funding in FY 1997. This decrease would occur through elimination of state-specific grants. The Agricultural Research Service has been recommended for a 7.9 percent increase in funding from the FY 1996 level.

*Diane Says*

Your chief competition is yourself.