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*College of
Agricultural Sciences
and Natural Resources*

*11th Annual Report
August 1, 2003 - July 31, 2004*

*Institute of Agriculture and Natural Resources
University of Nebraska–Lincoln*



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INTRODUCTION

It is our pleasure to provide the Eleventh Annual Report for the College of Agricultural Sciences and Natural Resources (CASNR). We believe in the importance of reflecting on the accomplishments of our faculty, staff and students. The annual report offers the opportunity to review the year, and serves as an archive of accomplishments for our College. This report covers the period August 1, 2003 to July 31, 2004.

The college enjoyed another year of accomplishments and change. The students excelled, the faculty enthusiasm for the academic mission continued to thrive and campus programming expanded. For example:

- **Amy Rasmussen**, a junior majoring in Agricultural Education from Mead, NE, was named as the Nation's Outstanding Career and Technical Education Postsecondary Student Award winner at the recent National Association of State Directors of Career and Technical Education Conference held in Washington, D.C. this spring. She is also serving as a National FFA Vice President this year, becoming CASNR's tenth student to be elected to a national office
- **Lindsey Salestrom**, a sophomore majoring in Animal Science from Tekamah, NE, a member of our Equestrian Team who participated in the Intercollegiate Horse Show Association's National Horse Show in Murfreesboro, TN, was named the **RESERVE NATIONAL CHAMPION!!**
- **Rik Smith**, a senior majoring in Agribusiness from Laurel, NE, won **FIRST** place in the undergraduate research paper competition for his paper and presentation of "An Evaluation of Feedyard Management Training and Experience." This project was a portion of the research he completed this spring for his honors project at UNL. For his first place win, Rik's paper will be published in the American Journal of Agricultural Economics.
- This was also a year that several of our **students were called-up** to serve in the military.
- **Dr. Ron Hanson** received the national 2003 USDA Food and Agricultural Sciences Excellence in Teaching Award at the National Association of State Universities and Land Grant Colleges. Dr. Hanson is the first national recipient from Nebraska.
- **Dr. Chuck Francis** received the International Service in Agronomy Award from the American Society of Agronomy last November.
- **Dr. John Rupnow** received the International Food Technology Cruess Award at the 2003 Annual IFT Meeting.

- **Extended Education** - The international ADEC Distance Education Award of Excellence was awarded to the Library of Crop Technology Team under the leadership of Dr. Deana Namuth, Department of Agronomy and Horticulture.
- Fifteen **classrooms** were upgraded, including three major renovations in the summer of 2004.
- The newest major in the College, **Professional Golf Management**, became the fifteenth program in the nation to receive PGA certification.
- The faculty approved a **new college core curriculum** and cores for the Bachelor of Science degree in Agricultural Sciences and the Bachelor of Science degree in Natural Resources.
- The **CASNR Week Recognition Banquet** enjoyed its largest attendance with over 400 attending.
- The College's introductory course **AGRI 103/NRES 103** will host the Melvin Jones Scholars this fall. The Melvin Jones Scholars is a new learning community to promote academics, leadership and community among first-year students of color. The College is very pleased that AGRI/NRES 103 is one of two core courses identified for the Jones Scholars. Our introductory course will also serve as a fall core course for the Freshman Scholars program. The Freshmen Scholars program is a residential community of high ability first year students representing all academic interests. The intent of this community is to provide these students with an opportunity to be with other talented students, to have contact with distinguished faculty, and to engage in co-curricular activities that will enhance career development and scholarship.
- **Cornstock** was revived in the fall of 2003.
- **N-World** - CASNR's "N World" was voted the favorite exhibit at the Big Red Road Show held in Omaha by the attendees. This recognition was especially noteworthy given our metropolitan audience.
- And finally, the **Lied Center for Performing Arts** is bringing two performances to East Campus.

This next year, as all years, will offer significant challenge and opportunities to change. We are prepared and experienced in managing change. Ultimately change is our business; we create it with every new graduate, every new discovery and every interaction with our clientele. Our vision for the college must remain focused in the changing environment:

A comprehensive college meeting the educational needs of all Nebraskans and contributing to the expanding educational needs of the global community by providing quality undergraduate, graduate and informal education that is accessible to traditional and non-traditional students through innovative collaborations with a wide array of educational institutions and other partners in the public and private sector.

Our most important endeavor as educators is to instill within our graduates the desire and capacity to apply their education in a professionally responsible, socially sensitive and environmentally sound manner, to value service to community and profession and to embrace opportunities for leadership with a passion that is uniquely uncommon among their peers. Our graduates will spend their professional lifetimes in a constantly changing world. They must be prepared to embrace change with a passion that sets them apart. We, as faculty, must be equal to the challenges that they will face and instill in them a confidence for their success in a future redefined each day. Their willingness and self-confidence in creating and managing change will often be a reflection of our own comfort with change. These are exciting times for faculty in higher education, particularly in land grant universities and specifically CASNR.

DEDICATION

This year's annual report is dedicated to Dr. Charles H. Adams (1918-2003). Charlie's commitment to teaching and involvement with students in his animal science classes laid the foundation for the College we are today. Because Charlie embodied what the College of Agricultural Sciences and Natural Resources stands for, we honor his contributions through this dedication.

Adams received bachelor's (1941) and master's (1942) degrees from Kansas State University and his doctorate (1971) from Michigan State University. He was an assistant professor at the NU Department of Animal Science from 1946-1964, associate professor from 1964-1970 and professor from 1970-1983. He coached the Meats Judging Team, advised the Block and Bridle Club, and was assistant dean of the College of Agriculture. He retired in 1984. Charles Adams, emeritus professor of animal science, died December 20, 2003. He was 85.

The twinkle in his eye and the warmth of his smile will forever be part of the College's legacy.

College of Agricultural Sciences and Natural Resources
August 1, 2003 – July 31, 2004

ADMINISTRATION AND STAFF

Steven S. Waller Dean
Jack L. Schinstock¹ Associate Dean, Student Affairs
Arlen W. Etling¹ CASNR Professor and Associate Director of International Affairs
Jana N. Hafer¹ Employment Seminar and Placement Specialist
Billie K. Lefholtz Office Manager/ Alumni Relations Director
Virginia L. Pierson¹ Office Assistant
Melissa J. Sailors Receptionist/Secretary to Associate Dean
Janice M. Sammet¹ Transfer Credit Evaluation Specialist
Rosalee A. Swartz College Relations Director
Susan K. Voss Student Development and Events Director
Carol J. Wusk Secretary to the Dean, Curriculum Committee Facilitator

¹ Part-time Appointments

ACADEMIC UNIT ADMINISTRATORS

Agricultural Economics Richard T. Clark
Agricultural Leadership, Education and Communication Susan M. Fritz
Agronomy and Horticulture Kenneth G. Cassman/Lowell E. Moser
Animal Science Donald H. Beermann
Biochemistry Donald P. Weeks
Biological Systems Engineering Glenn J. Hoffman/Derrel L. Martin
Entomology Z B Mayo
Food Science and Technology Stephen L. Taylor
Plant Pathology Anne M. Vidaver
School of Natural Resources Mark S. Kuzila
Statistics Walter W. Stroup
Veterinary and Biomedical Sciences John A. Schmitz/Rodney A. Moxley

CASNR STANDING COMMITTEES

FACULTY ADVISORY COUNCIL

The Faculty Advisory Council (FAC) met on the second Wednesday of each month during the past year. In addition to discussing and providing input to the CASNR Dean, each meeting centered on current issues facing the College.

The fall semester included reports from the Teaching Improvement Committee and the Student Advising Improvement Committee. The Teaching Improvement Committee co-sponsored the January Interim Workshop with the Academy of Distinguished Teachers. Other topics discussed were the undergraduate admission deadlines and procedures, transfer requirements for area institutions, and distance education policies.

The spring semester included reviewing departmental assessment reports and planning for a FAC Advising Workshop for Fall 2004. The Council moved to recommend that transfer students with a GPA of 3.0, or high school students with a 24 ACT score, be automatically admitted to UNL. The Council also recommended the hiring of a part-time Associate Dean in CASNR.

The FAC will hold a planning and transition meeting on August 17, 2004 to prepare for the coming academic year.

-Tiffany Heng-Moss, Chair

Members of the Faculty Advisory Council for 2003-04 were:

Ronald J. Hanson, Agricultural Economics

Dann E. Husmann, Agricultural
Leadership, Education and
Communication

Lowell E. Moser, Agronomy and
Horticulture

Duane E. Reese, Animal Science

Madhavan Soundararajan, Vice-Chair,
Biochemistry

Richard R. Stowell, Biological Systems
Engineering

Tiffany M. Heng-Moss, Chair, Entomology

John H. Rupnow, Food Science and
Technology

Leslie C. Lane, Plant Pathology

Larkin A. Powell, School of Natural
Resources

Anne M. Parkhurst, Statistics

Rodney A. Moxley, Veterinary and
Biomedical Sciences

Student Advising Improvement Committee:

Three-Year Members: Ronald J. Hanson,
Agricultural Economics; and Kim W.
Todd, Agronomy and Horticulture

Two-Year Members: Donald J. Lee,
Chair, Agronomy and Horticulture; and
Phillip S. Miller, Animal Science

One-Year Members: Lloyd C. Bell,
Agricultural Leadership, Education and

Communication; and Susan L. Cuppett,
Food Science and Technology

Teaching Improvement Committee:

Three-Year Members: Dennis R. Brink,
Chair, Animal Science; Stephen J. Jones,
Animal Science; and Richard Waldren,
Agronomy and Horticulture

Communication; and Edward J. Peters,
School of Natural Resources

Two-Year Members: Leon G. Higley,
Entomology; James W. King,
Agricultural Leadership, Education and

One-Year Members: Dean E. Eisenhauer,
Biological Systems Engineering; Susan
M. Fritz, Agricultural Leadership,
Education and Communication; and
James E. Partridge, Plant Pathology

COMMITTEE ON SCHOLARSHIP

The Scholarship and Graduation with Distinction Committee is responsible for recommending criteria for graduation with distinction, high distinction, or highest distinction, as well as recommending to the faculty, prior to December, May, and August graduations, the senior students worthy of these distinctions. The Scholarship and Graduation with Distinction Committee also advises the Dean on scholarship policies.

Susan L. Cuppett, Food Science and
Technology

Larkin A. Powell, School of Natural
Resources

Jack L. Schinstock, Ex-Officio, Dean's
Office Representative

Richard P. Waldren, Agronomy and
Horticulture

Nicole L. Erickson, Student Representative

TEACHING AWARDS COMMITTEE

The Teaching Awards Committee is responsible for recommending candidates for the Distinguished Teaching Award and other teaching awards in consultation with the CASNR Student Advisory Board. Membership on the committee consists of the most recent recipient of a teaching award from each unit from which a recipient has been selected.

Bruce B. Johnson, Agricultural Economics

Susan M. Fritz, Agricultural Leadership,
Education and Communication

Donald J. Lee, Agronomy

Steven J. Jones, Animal Science

Dean E. Eisenhauer, Biological Systems
Engineering

John H. Rupnow, Food Science and
Technology

Edward J. Peters, Fisheries and Wildlife

CURRICULUM COMMITTEE

The Curriculum Committee has the authority and the responsibility to examine, study, or request the study of, and establish procedures and policies for any matters concerned with the undergraduate and graduate curriculum of the College, subject to review by the Faculty.

Raymond J. Supalla, Agricultural Economics
John E. Barbuto, Agricultural Leadership, Education and Communication
Gerald L. Horst, Agronomy and Horticulture
Phillip S. Miller, Animal Science
Han H. Asard, Biochemistry
William P. Campbell, Biological Systems Engineering
Stephen D. Danielson, Entomology
Susan L. Cuppett, Chair, Food Science and Technology

James E. Partridge, Plant Pathology
David A. Wedin, Vice-Chair, School of Natural Resources
Clayton L. Kelling, Veterinary and Biomedical Sciences
Kurt D. Arganbright, Student Representative (Agricultural Sciences)
Sean D. Sutherland, Student Representative (Natural Resources, 1st semester)
Ryan D. Walrath, Student Representative (Natural Resources, 2nd semester)

TEACHING FACULTY

FACULTY MEETINGS

Annual Faculty Meeting

The annual 2003 CASNR Faculty Meeting was held on August 21 in the East Campus Union. Rita C. Kean, Dean of Undergraduate Studies, gave brief remarks, and new faculty were introduced. The L.K. Crowe Undergraduate Advising Award was presented to Dennis Brink. Dean Steve Waller presented an overview of CASNR Accomplishments.

Interim Workshop

A one-day workshop, "Producing Engagement of Students and Faculty in Learning," was held on January 7, 2004, with Rita Kean, Dean of Undergraduate Studies, as the featured speaker. The workshop included selected faculty panel discussions with approximately 75 in attendance.

NEW FACULTY OR FACULTY WITH NEW APPOINTMENTS

Patricia W. Freeman, School of Natural Resources

Kathy Hanford, Joint appointment with Animal Science and Statistics

Jackwon Lee, Biochemistry

Saralees Nadarajah, Statistics

Asit K. Pattnaik, Veterinary and Biomedical Sciences

Brigitte Tenhumberg, School of Natural Resources

Shunpu Zhang, Statistics

RETIRED FACULTY 2003-2004

Robert D. Kuzelka, emeritus status July 1, 2004

IN MEMORY

Charles H. Adams died December 20, 2003. He was 85 years old. Dr. Adams was an assistant professor at the NU Department of Animal Science from 1946-1964, associate professor from 1964-1970 and professor from 1970-1983. He coached the Meats Judging Team, advised the Block and Bridle Club, and was assistant dean of the College of Agriculture. He retired in 1984.

Warren W. Sahs died December 13, 2003. He was 82 years old. Dr. Sahs was a professor in the agronomy and horticulture department. He began at the university as manager of the Foundation Seed Division in 1949. He was assistant director of operations of the University of Nebraska Agricultural Research Division and was superintendent of the Agricultural Research and Development Center near Mead. He retired in 1991.

R.B. 'Dick' Warren died October 12, 2003. He was 78 years old. He came to the University of Nebraska-Lincoln in 1956, where he taught, coached the livestock judging team and managed the state 4-H horse shows. He retired in 1990.

FACULTY AWARDS

UNL Parents' Association Recognition for Contributions to Students

(The number in superscript represents the number of nominations the recipient received.)

Agricultural Economics

Ronald Hanson¹⁴

George Pfeiffer⁷

Donald Lee¹³

James Stubbendieck⁷

Kim Todd³

Agricultural Leadership, Education and Communication

James Randall¹¹

Animal Science

Dennis Brink⁴

Libby Lugar¹

Bryan Reiling¹

Agronomy/Horticulture

Biological Systems Engineering

Jack Schinstock¹⁰
Dennis Schulte⁷

Dean's Office

Susan Voss²
Steven Waller⁵

Entomology

Tiffany Heng-Moss²

Food Science and Technology

Susan Cuppett⁷

Plant Pathology

Loren Giesler¹
James Partridge³

Veterinary and Biomedical Sciences

Michael Carlson¹
Henry Cerny¹
Marjorie Lou²

Holling Family Teaching Assistant Teaching Excellence Awards

James C. MacDonald, Department of Animal Science, IANR

Jeremy L. Martin, Department of Animal Science, IANR

Holling Family Junior Faculty Teaching Excellence Awards

Dann E. Husmann, Department of Agricultural Leadership,
Education and Communication, IANR

Larkin A. Powell, School of Natural Resources, IANR

Holling Family Senior Faculty Teaching Excellence Awards

Robert N. Klein, West Central Research and Extension Center, IANR

John P. Markwell, Department of Biochemistry, IANR

Stephen C. Mason, Department of Agronomy and Horticulture, IANR

Edward J. Peters, School of Natural Resources, IANR

College Award for Distinguished Teaching

Daniel T. Walters, Department of Agronomy and Horticulture

NACTA Teaching Award of Merit

Robert D. Kuzelka, School of Natural Resources

IANR Dinsdale Family Award

Geoffrey M. Henebry, School of Natural Resources

Rosie A. Nold, Department of Animal Science

National Excellence in Distance Education Award

The Library of Crop Technology

Susan M. Fritz, Ashu M. Guru, Patricia M. Hain, Donald Lee, Deana M. Namuth, Scott J.

Nissen, Carol A. Speth, Tracy M. Sterling

DEPARTMENTAL NEWS AND EVENTS

In May, each department was mailed a questionnaire to collect information for the 2003-2004 Annual Report. The dates for reporting were August 1, 2003 to July 31, 2004. The questions included:

1. List the awards/recognitions that teaching faculty in your department received during the past year.
2. List the teaching symposiums/conferences attended by teaching faculty.
3. List the names of students recognized by your department for their outstanding achievements.
4. List scholarships given to students in your department during the past academic year.
5. List the teaching faculty hired in your department during the past academic year. (*)
6. List teaching faculty that ended teaching appointments during the past academic year. (**)
7. List any teaching grants that teaching faculty have received in the past year.
8. List journal articles in teaching published in the past year by teaching faculty.

The following is a summary of the information submitted. Research recognition for faculty and graduate students is listed in the ARD Annual Report. Please contact the Agricultural Research Division for a copy.

DEPARTMENT OF AGRICULTURAL ECONOMICS

Interim Department Head

Richard T. Clark

Professors

David Aiken
John C. Allen III
Azzeddine M. Azzam
Dennis M. Conley
Lilyan E. Fulginiti

Ronald J. Hanson
Glenn A. Helmers
Bruce B. Johnson
Gary D. Lynne
Richard K. Perrin

E. Wesley Peterson
Jeffrey S. Royer
Raymond J. Supalla

Associate Professor

Konstantinos Giannakas
George H. Pfeiffer

Assistant Professor

Darrell R. Mark
Amelia Yiannaka

Lecturer

Matthew F. Spilker

FACULTY RECOGNITION

Dennis Conley: Fellow, International Food and Agribusiness Management Association, 15 Year Service Award to UNL

Ron Hanson: Certificate of Recognition for Contributions to Students, The Parents Association and the Teaching Council of UNL, 2003; 2003 USDA National Award for Excellence in College and University Teaching in Agricultural and Food Sciences by the U.S. Department of Agriculture

Bruce Johnson: Certificate of Recognition for Contributions to Students, Parents Association and the Teaching Council of UNL, 2003

E. Wesley Peterson: Agricultural Economics Graduate Student Organization Faculty Award

George Pfeiffer: Certificate of Recognition for Contributions to Students, The Parents Association and the Teaching Council of UNL, 2003

Matt Spilker: Certificate of Recognition for Contributions to Students, The Parents Association and the Teaching Council of UNL, 2003

Amalia Yiannaka: Member of the PHI BETA DELTA honor society for International Scholars

CONFERENCES ATTENDED

Ron Hanson: 2004 NACTA Annual Conference for the North American Colleges and Teachers of Agriculture at the University of Florida on June 21-24 in Gainesville, Florida.

STUDENT RECOGNITION

Trent Blare: Outstanding Senior Award, Chancellor's Scholars

Teldon Bohlender: Outstanding Senior Award

David Borer: Superior Scholar Senior Award

Kimberly Bristol: Superior Scholar Senior Award

Anthony Dowling: Outstanding Senior Award, Chancellor's Scholars

Anneke Gustafson: Superior Scholar Junior Award, UCARE Program with Amalia Yiannaka, *Marketing and*

Intellectual Property Protection of Second Generation GM Products

Cheryl Halstead: Superior Scholar Junior Award

Michael Hansen: Western Agricultural Economics Association

Brad Heinrichs: New Student Enrollment Orientation Leaders

Ashlee Hopkins: New Student Enrollment Orientation Leaders

Brenton Hopkins: Superior Scholar Senior Award

Rachel Janousek: Outstanding Agribusiness Senior Award
Charlene Kastanek: Superior Scholar Junior Award
Jesse Luebbe: Wall Street Journal Award
Jessica McCall: Superior Scholar Junior Award
Chandra Ruff: Outstanding Junior Award, UCARE program with Wes Peterson, *Promoting Sustainable Development: A*

Comparison of U.S., Japanese, and European Foreign Aid Policies
Nicole Scheideler: Outstanding Agribusiness Senior Award
Rik Smith: Outstanding Senior Award
Stacey Stricker: Superior Scholar Junior Award
Brock Thorberg: Superior Scholar Senior Award
Joel Wesley: Superior Scholar Senior Award

SCHOLARSHIPS AWARDED

Kimberly Becker: A.W. and Edith H. Epp Scholarship
Trent Blare: Cenex Harvest States Foundation Scholarship
Anthony Dowling: Cenex Harvest States Foundation Scholarship
Cheryl Halstead: Cenex Harvest States Foundation Scholarship
Jeffrey Heinrich: Cenex Harvest States Foundation Scholarship
Bradley Heinrichs: A.W. and Edith H. Epp Scholarship
Brenton Hopkins: A.W. and Edith H. Epp Scholarship
Jeremy Horst: A.W. and Edith H. Epp Scholarship
LeAnn Kriete: Cenex Harvest States Foundation Scholarship

Cody Lashley: A.W. and Edith H. Epp Scholarship
Jessica McCall: Cenex Harvest States Foundation Scholarship, Howard H. Beermann Scholarship Fund
Robert Rezac: A.W. and Edith H. Epp Scholarship
Rebecca Riese: Agricultural Economics Faculty Scholarship, Cenex Harvest States Foundation Scholarship
Nicole Scheideler: Cenex Harvest States Foundation Scholarship
Brock Thorberg: Cenex Harvest States Foundation Scholarship
Nelson Trambly: A.W. and Edith H. Epp Scholarship
Dan Wondercheck: A.W. and Edith H. Epp Scholarship

OTHER DEPARTMENTAL ACCOMPLISHMENTS

NAMA student chapter placed 2nd in the outstanding chapter competition in Kansas City. They also won the Chapter Improvement Award for Communications, as well as a second consecutive top ten finish in the annual report competition. Bonnie Hassler, a freshman, received a scholarship from the Ag-Business Educational Foundation. This is quite an accomplishment as she was competing

against many of the nations top sophomores and juniors.
Charlene Kastanek has been selected for a summer internship with the Foreign Agricultural Service in Poland.
The Agricultural Economics/Agribusiness Club was honored as the CASNR Outstanding Student Organization of the year at the CASNR Week Harvesting Excellence Banquet.

**Recognized for Outstanding
Undergraduate Achievement by the
Graduate Women in Science,
University of Nebraska-Lincoln:**
Kimberly Bristol, Anneke Gustafson,
Cheryl Halstead, Amber Holl, Charlene

Kastanek, LeAnn Kriete, Jessica
McCall, Corrina Oltmans, Chandra Ruff,
Nicole Scheideler, Lacy Teten, Jennifer
Witte.

***DEPARTMENT OF AGRICULTURAL LEADERSHIP,
EDUCATION AND COMMUNICATION***

Department Head
Susan M. Fritz

Professors
Leverne A. Barrett
Shirley K. Rockwell
Daniel W. Wheeler

John E. Barbuto Jr.
Lloyd C. Bell
Patricia J. Fairchild

Associate Professors
Susan M. Fritz
Dann E. Husmann
James W. King

Gerald M. Parsons

Senior Lecturer
Linda D. Moody

Professor Emeritis on Special Assignment
Richard L. Fleming

FACULTY RECOGNITION

John E. Barbuto, Jr.: Excellence in
Graduate Education Award (Office of
Graduate Studies)

Lloyd C. Bell: 2004 L.K. Crowe
Outstanding Student Adviser Award

Patricia J. Fairchild and Jaclyn M.
Gisburne: Best Paper award at the
Distance Learning Administration
Conference, Jekyll Island, GA, “Four

Families of Multi-variant Issues in
Graduate-level Asynchronous Online
Courses”

Richard L. Fleming: CASNR Week 2004
Superior Academic Advising Award

Dann E. Husmann: 2004 Holling Family
Junior Faculty Award for Teaching
Excellence

CONFERENCES ATTENDED

John E. Barbuto, Jr.: Academy of Management, Seattle, WA; Midwest Academy of Management, Minneapolis, MN; Eastern Academy of Management, Providence, RI; Gallup Leadership Institute Summit, Omaha, NE.

Leverne A. Barrett: North American Colleges and Teachers of Agriculture (NACTA), Gainesville, FL.

Lloyd C. Bell: National Ag Education Research Conference, Orlando, FL; INVEST Conference, Kearney, NE.

Richard L. Fleming: INVEST Conference, Kearney, NE.

Patricia J. Fairchild: Galaxy II Conference, Salt Lake City, UT; Distance Learning Administration Conference, Jekyll Island, GA.

Susan M. Fritz: Institute of Behavioral and Applied Management (IBAM) Conference, Tampa, FL; National Ag Education Research Conference, Orlando, FL; Ag Leadership Education Summit, University of Florida;

Association for International Agricultural and Extension Education (AIAEE) 20th Annual Conference, Dublin, Ireland; INVEST Conference, Kearney, NE.

Dann E. Husmann: Mid-Winter In-Service Workshop for Nebraska Agricultural Education Teachers, Columbus, NE; National Science Teachers' Association Conference, Philadelphia, PA; INVEST Conference, Kearney, NE.

James W. King: Syllabus Fall 2003 Conference, Boston, MA.

Linda D. Moody – INVEST Conference, Kearney, NE.

S. Kay Rockwell: Association for International Agricultural and Extension Education (AIAEE) 20th Annual Conference, Dublin, Ireland.

Daniel W. Wheeler: Academic Chair Conference, Orlando, FL; Eastern Academy of Management, Providence, RI; Gallup Leadership Institute Summit, Omaha, NE.

STUDENT RECOGNITION

Ashley Holden: UCARE Program with Linda Moody, *Volunteerism, Civil Engagement, Social Justice, and Service-Learning; The Need to Engage New Students.*

Amy E. Rasmussen: 2003-04 National FFA Central Region Vice President, National FFA Convention; Outstanding

Career and Technical Education Postsecondary Student Award, NASD CTE Conference, Washington, D.C.

Emily Snodgrass: UCARE Program with Linda Moody, *Motivators and Barriers to Service-Learning as Perceived by UNL Faculty, Students and Community Partners.*

SCHOLARSHIPS AWARDED

Amber D. Haugland: \$1,000 national scholarship from CropLife America; \$300 undergraduate teaching assistant scholarship from the Capital City Kiwanis Club.

Jonathan D. Sellenrick: \$500 NAAE Upper Division Agricultural Education Scholarship (presented at the ATA Conclave during the National FFA Convention last October in Louisville, Kentucky)

TEACHING GRANTS

Leverne A. Barrett: *Rural community leadership development for sustainability.* Kellogg LINC Project. \$23,370.

Lloyd C. Bell and Susan M. Fritz: *ALEC 800 – Program planning for formal and non-formal education audiences.* UNL Office of Extended Education and Outreach. \$9,800.

Richard L. Fleming: *Nebraska livestock evaluation/information campaign materials.* Nebraska Department of Agriculture. \$39,100.

Don Beermann and Susan M. Fritz: *Preparing youth for leadership careers in the Nebraska beef industry.* Nebraska Beef Council. \$5,000.

FACULTY PUBLICATIONS

Barbuto, J.E., M. Bugenhagen, J. Braband, and G.S. Matkin. 2003. Encouraging creativity and intellectual stimulation: An exercise that forces students to think outside of the box. *Journal of Behavioral and Applied Management* 4:219-229. (J. Series No. 01-2)

Husmann, D. 2003. Students evaluate an online course using Praxis III: The classroom environment. *Chulalongkorn*

Educational Review 9(2):18-28. (J. Series No. 03-4)

Wiedenhoeft, M., S. Simmons, R. Salvador, G. McAndrews, C. Francis, **J. King**, and D. Hole. 2003. Agroecosystems analysis from the grass roots: a multidimensional experiential learning course. *J. Natural Resources and Life Sciences Education* 32:73-79. (J. Series No. 02-1)

DEPARTMENTAL ACCOMPLISHMENTS

John E. Barbuto, Jr. and Daniel W. Wheeler: Nominated for Best Paper, Eastern Academy of Management, Providence, RI.

Lloyd C. Bell and Richard L. Fleming met with Nebraska agricultural education teachers to discuss upcoming professional improvement workshops and advocacy for Federal Perkins Funds during four COLT (Chapter Officer

Leader Training) conferences at Aurora in May.

Patricia J. Fairchild: "Best of Paper" award, 2004 Distance Learning Administrators Conference in Jekyll Island.

Susan M. Fritz: National Excellence in Distance Education Award, Library of Crop Technology team member, May, 2004.

Linda D. Moody successfully managed 3,200 high school students in seventeen events for the Career Development Events in April.

Jennifer Reimers Moss: "Best Graduate Student Paper" award, 2004 Midwest Academy of Management Conference in Minneapolis.

DEPARTMENT OF AGRONOMY AND HORTICULTURE

Department Head

Kenneth G. Cassman/Lowell E. Moser

Professors

Richard L. Austin
P. Stephen Baenziger
Kenneth G. Cassman
Jerry D. Eastin
Jay B. Fitzgerald
Charles A. Francis
George L. Graef
William A. Gustafson
Garald L. Horst

Donald J. Lee
Sally A. Mackenzie
John P. Markwell
Stephen C. Mason
Martin A. Massengale
Dennis McCallister
Lowell E. Moser
Ellen T. Paparozzi
Paul E. Read

Terrance P. Riordan
Robert C. Shearman
Roy F. Spalding
James E. Specht
Paul E. Staswick
James L. Stubbendieck
Richard P. Waldren
Daniel T. Walters

Timothy J. Arkebauer
Thomas E. Clemente
Rhae A. Drijber

Associate Professors

John L. Lindquist
Steven N. Rodie
Walter H. Schacht

Richard K. Sutton

Assistant Professors

Ismail M. Dweikat
Martha Mamo
William K. Russell
Kim A. Todd

Senior Lecturer

Deana M. Namuth

Lecturers

Timothy A. Kettler
David P. Lambe

FACULTY RECOGNITION

P. Stephen Baenziger: Secretary for Sigma Xi Chapter 007 for 2004-2005.

Kenneth G. Cassman: International Fertilizer Association's International Crop Nutrition Award.

Jay B. Fitzgerald: 2004 Distinguished Service Award, presented by the Nebraska FFA Association.

Donald J. Lee: UNL Parents Association Recognition for Contributions to Students, 13th year.

Sally A. Mackenzie: Fellow of the American Association for the Advancement of Science.

John P. Markwell: Senior Faculty Holling Family Award for Teaching Excellence.

Stephen C. Mason: Senior Faculty Holling Family Award for Teaching Excellence and the Gamma Sigma Delta Excellence in Teaching Award.

Martin A. Massengale: Elected Chair, USDA National Agricultural Research, Extension, Education, and Economics Advisory Board; and "Brothers of the Century" award presented by the Alpha Gamma Rho Fraternity.

Deana Namuth: Leader of the Agronomy and Horticulture Department Distance Education group. The group received the 2004 National American Distance Education Consortium (ADEC) Excellence in Distance Education Award for quality in distance education.

(<http://www.adec.edu>) for the Library of Crop Technology project available at <http://croptechnology.unl.edu>.

Presented by the ADEC to the following team members: University of Nebraska-Lincoln – **Susan Fritz**, Department of Agricultural Leadership, Education and Communication; **Ashu Guru**, Distributed Environments for Active Learning; **Patricia M. Hain**, **Donald Lee**, **Deana M. Namuth**, **Carol A. Speth**; Department of Agronomy and Horticulture, Colorado State University – **Scott J. Nissen**, Department of Bioagricultural Science and Pest Management, New Mexico State University – **Tracy M. Sterling**, Department of Entomology, Plant Pathology and Weed Science.

Paul E. Read: Elected Vice President of the American Society for Horticultural Science, and Secretary of the Viticulture and Small Fruits Working Group.

James E. Specht: Charles Bessey Professorship.

James L. Stubbendieck: UNL Parents Association Recognition for Contributions to Students, 7th year.

Kim W. Todd: UNL Parents Association Recognition for Contributions to Students, 3rd year.

Daniel T. Walters: CASNR Distinguished Teaching Award.

CONFERENCES ATTENDED

Charles A. Francis: Keynote Speaker and Workshop Moderator for "Developing an Agroecology Curriculum," Swedish Agricultural University, Uppsala, Sweden on May 19, 2004.

Dennis McCallister: Teaching presentations at the National Meetings, American Society of Agronomy and Soil

Science Society of America, November 3-5, 2003, Denver, CO.

Deana Namuth: American Distance Education Teaching Conference, Kansas City, MO, May 5-7, 2004.

Paul E. Read: Interim Workshop sponsored by CASNR in January; and EDU Workshop, sponsored by the National Science Foundation Assessment of Student Achievement, and administered by the UNL Center for Science, Mathematics, and Computer Education, May 17-21, 2004.

Steven N. Rodie: Workshop, "Problem-Based Learning Process: A Model for Undergraduate Courses," CASNR, October, 2003; and Interim Teaching Workshop, "Producing Engagement of Students and Faculty in Learning, CASNR, January, 2004.

Walter H. Schacht: Personnel Trends, Education Policy, and Evolving Roles of Federal and State Natural Resources Agencies, Renewable Natural Resources Foundation, Washington, D.C., October 28-29, 2003; and American Distance Education Teaching Conference, Kansas City, MO, May 6, 2004.

Richard P. Waldren: National Association of Colleges and Teachers of Agriculture (NACTA) Conference at the University of Florida, Gainesville, June 20 – 23, 2004.

TEACHING GRANTS

D. Lee, R. Gaussoin, W. Schacht, K. Todd, D. Namuth, P. Hain, T. Sterling: ADEC Learning to Think Like a Plant Scientist; \$35,000.

Alex Martin: Monsanto; \$1,150 and Pioneer HiBred; \$150.

Kim Todd; Kyle Salsman; \$100 and Keith Volker; \$250.

Deana Namuth: EEO Course Development Grant; \$25,000 and ADEC Award; \$5,000.

D. Namuth, J. Markwell, Brooks, Madhavan, Veomett: Development of Interdisciplinary Multimedia Modules to Enhance Learning for First-year Life Science Students; \$30,000.

FACULTY PUBLICATIONS

Curtright, R.D., R. Emry, R.M. Heaton, and J. Markwell. 2004. Facilitating student understanding of buffering by an integration of mathematics and chemical concepts. *Biochem. Mol. Biol. Educ.* 32:71-77. (J Series No. 03-7)

Francis, C.A. and R.P. Waldren. 2003. Taking Sides: Clashing Views on Controversial Issues, 9th Edition. Edited by T.D. Goldfarb. McGraw-Hill Co., Guilford, CT. *NACTA J.* 47(4):86-87.

Markwell, J.P. and D.M. Namuth. 2003. Herbicides that Act Through Photosynthesis. *Journal of Natural Resources and Life Sciences Education* 32:138. (J. Series No. 03-11)

Markwell, J.P. and D.M. Namuth. 2003. Interaction of Light with Biological Molecules. *Journal of Natural Resources and Life Sciences Education* 32:137. (J. Series No. 03-8)

Markwell, J.P. and D.M. Namuth. 2003. Plant Pigments and Photosynthesis. *Journal of Natural Resources and Life Sciences Education* 32:137. (J. Series No. 03-9)

Schacht, W.H. and M.L. McInnis. 2003. Status of undergraduate education in range science in the USA. *J. Nat. Res. Life Sci. Educ.* 32:57-60. (J. Series No. 02-3)

Waldren, R.P. 2003. Introductory Crop Science, 5th Edition. Pearson Publishing, Boston. Pp. 335.
Wiedenhoeft, M., S. Simmons, R. Salvador, G. McAndrews, C. Francis,

J. King, and D. Hole. 2003. Agroecosystems analysis from the grass roots: a multidimensional experiential learning course. J. Natural Res. Life Sci. Educ. 32:73-79. (J Series No. 02-1)

STUDENT RECOGNITION

Leslie Burchell: UCARE Program with Paul Read, *The Response of Vitis vinifera cv. 'To Alkaline Soils.*
Derek Drost: UCARE Program with Donald Lee, *ALS Herbicide Resistance in Nebraska Shattercane: A Genetic Evaluation.*
Scott W. Fredrickson: UCARE Program with Richard Sutton, *Landscape Plant CD.*

Chelsea Gehring: UCARE Program with Garld Horst, *Mitochondria Isolation from Green Plant Tissue.*
Jill Misar: UCARE Program with Garald Horst, *Determining Optimum Nutrient Rates for Establishing Bluegrass Seedlings.*
Jessica Ritter: UCARE Program with Kim Todd, *Consumer Preference of Various Ornamental Grasses.*

SCHOLARSHIPS AWARDED

Cole A. Anderson: Henry M. Beachell Agronomy Scholarship
Drew L. Anderson: Clara S. Tillotson Memorial Scholarship, Dr. and Mrs. C.C. Wiggans Memorial Scholarship
Kyle J. Blakeman, Kyle J.: Keith and Alvina Strough Memorial Scholarship
Kevin D. Boyd: Henry M. Beachell Agronomy Scholarship
Karl N. Brauer: Ralph A. Elliott Memorial Scholarship
Nicolette M. Brenton: Federated Garden Clubs of Nebraska Scholarship
Leslie R. Burchell: Clara S. Tillotson Memorial Scholarship, Federated Garden Clubs of Nebraska Scholarship
Michael J. Burgert: Professor J.C. Russel Memorial Scholarship
Joshua J. Cool: Henry M. Beachell Agronomy Scholarship, Dennis Thompson Crop Improvement Scholarship
Derek R. Drost, Derek R.: F.D. Keim Memorial Scholarship, Nebraska Seedsman Scholarship

Chelsea L. Gehring: Kenneth Miller Memorial Scholarship
Michael D. Gillilan: Stock Seed Farms – Laurence C. Newell Scholarship
Abby J. Hird: Clara S. Tillotson Memorial Scholarship, Elton Lux Memorial Scholarship
Jeffrey M. Hoover: Clara S. Tillotson Memorial Scholarship
James B. Jensen: Clara S. Tillotson Memorial Scholarship
Elizabeth M. Keep: Clara S. Tillotson Memorial Scholarship, Elton Lux Memorial Scholarship
Kevin N. Keller: T.H. Goodding Memorial Scholarship, John C. Swinbank Memorial Agronomy Scholarship
Patrick J. Koenig: F.D. Keim Memorial Scholarship
Melanie E. Kouma: Clara S. Tillotson Memorial Scholarship, Roger D. Uhlinger Memorial Scholarship, Wayne C. Whitney Memorial Scholarship
LeAnn L. Kreite: Clara S. Tillotson Memorial Scholarship

John C. Krohn: Wylie R. Ward
Scholarship, Nebraska Seedsman
Scholarship
Nicole M. Leiser: Clara S. Tillotson
Memorial Scholarship
Jeffrey A. McBride: Henry J. Kroese
Production Scholarship
Ryan J. Meister: Orville A. Vogel
Agronomy Scholarship
Nathan D. Mueller: Servi-Tech
Scholarship
Paul D. Nelson: Clara S. Tillotson
Memorial Scholarship
Daniel P. Olson: Agronomy Fund for
Teaching Scholarship
Ryan A. Pekarek: Clara S. Tillotson
Memorial Scholarship, Elton Lux
Memorial Scholarship
Zachary D. Rigg: Robert A. Olson
Memorial Scholarship
Jessica D. Ritter: Clara S. Tillotson
Memorial Scholarship
Chase W. Sauder: Henry M. Beachell
Most Active Agronomy Club
Scholarship
Eric T. Schultz: Girardin Scholarship

Michael E. Sheely: Keith Weidler
Memorial Scholarship
Nathan J. Silke: Clara S. Tillotson
Memorial Scholarship
Shawn L. Speidel: Horticulture
Professional Travel Scholarship
Neil S. Stubblefield: T.H. Goodding
Memorial Scholarship
Kayla R. Thorson: Clara S. Tillotson
Memorial Scholarship
Keith F. Tighe: Dick Monson Agronomy
Scholarship
Jennifer S. Timm: Clara S. Tillotson
Memorial Scholarship, Federated
Garden Clubs of Nebraska Scholarship
Barbara L. Von Seggern: F.D. Keim
Memorial Scholarship
Neil P. Wagner: Agronomy Freshman
Scholarship Fund Scholarship,
Agronomy Fund for Teaching
Scholarship
Susan E. Weber: Clara S. Tillotson
Memorial Scholarship
Ladonna M. Yandell: Northern Nut Tree
Research Scholarship

DEPARTMENT OF ANIMAL SCIENCE

Department Head
Donald H. Beermann

Professors

Mary M. Beck
Donald H. Beermann
Dennis R. Brink
Dennis E. Burson
Chris R. Calkins

James A. Gosey
Rodger K. Johnson
Steven J. Jones
Terry J. Klopfenstein
Roger W. Mandigo

Phillip S. Miller
Merlyn K. Nielsen
Daniel Pomp
Sheila E. Scheideler
L. Dale Van Vleck

Associate Professors

Kathleen P. Anderson
Roger J. Kittok

Larry L. Larson
Jess L. Miner

Duane E. Reese

Assistant Professors

Andrea S. Cupp
Galen E. Erickson

Rosie A. Nold
Bryan A. Reiling

John S. Weber
Brett R. White

Lecturer

Libby S. Lugar

FACULTY RECOGNITION

Donald H. Beermann: Nebraska Chapter of Phi Beta Delta Honor Society for International Scholars Vice President

Dennis R. Brink: UNL Parents Association/Teaching Council Certificate of "Recognition for Contributions to Students"

Terry J. Klopfenstein: Nebraska Cattlemen Livestock Service Award, Reappointed the Kermit Wagner Professor of Animal Science

Libby S. Lugar: UNL Parents Association/Teaching Council Certificate of "Recognition for Contributions to Students"

Rosemarie A. Nold: IANR Dinsdale Family Faculty Award, Honorary State FFA Degree

****Rosemarie A. Nold:** American Meat Science Association Achievement Award

Bryan A. Reiling: UNL Parents Association/Teaching Council Certificate of "Recognition for Contributions to Students"

****L. Dale Van Vleck:** University of Wisconsin A.B. Chapman Lecturer in Animal Breeding and Genetics

CONFERENCES ATTENDED

Mary M. Beck: Midwest Poultry Consortium Center of Excellence Summer Program at the University of Wisconsin (Taught the Avian Physiology), Graduate Women In Science Annual Meeting and Recognition Banquet

Don H. Beermann: Workshop on Constructing the Future: Teaching and Learning at UNL, Graduate Women In Science Annual Meeting and Recognition Banquet, Beef Youth Leadership Symposium

Dennis R. Brink: Beef Youth Leadership Symposium

Andrea S. Cupp: Women in Science Conference

Earl F. Ellington: National Agricultural Alumni and Development Association

Jeffrey F. Keown: ADEC (American Distance Education Consortium) and IICA (Inter-American Institute for Cooperation on Agriculture) Conference on an initiative to develop common goals for distance education and knowledge management in the northern region and the hemisphere, FIPSE Program for North American Mobility in Higher Education

Rosemarie A. Nold: Iowa State Invitational Collegiate Meats Judging Contest (Served as an official), National FFA Meats Judging Contest (Served as an official)

Duane E. Reese: The Food and Society Nexus Study Tour to Denmark (Co-director)

Bryan A. Reiling: North American Colleges and Teachers of Agriculture Conference

Several faculty attended the “Student Writing and Critical Thinking in Agriculture” teaching workshop

STUDENT RECOGNITION

** **Jonathan M. Anderson:** American Society of Animal Science Academic Award

Adrienne A. Auch: Graduate Women in Science Recognition

Ashley K. Batie: Graduate Women in Science Recognition, Eric Peterson Memorial Award

Jamie R. Bauman: Don Geweke Memorial Award

Rebecca C. Bott: William G. Whitmore Memorial Travel Grant, American Society of Animal Science Midwest Section First Place Award in the MS Graduate Student Paper Competition, Scholastic Graduate Research Assistantship, Nebraska Physiological Society First Place Award in Pre-Doctoral Student Presentation Competition

Jennifer J. Broz: Frank E. Card Award

Emily A. Buescher: Mortar Board National Foundation Fellowship

** **Craig A. Burda:** American Society of Animal Science Academic Award

Bryan G. Carpenter: UCARE Undergraduate Research Scholarship

Kelly W. Creighton: Shear-Miles Fellowship, Center for Biotechnology Milton E. Mohr Fellowship

Amy R. Cropp: UCARE Undergraduate Research Scholarship

****Lesha M. Eggers:** Graduate Women in Science Recognition, Nebraska Chapter of Gamma Sigma Delta High

Scholarship Recognition, American Society of Animal Science Academic Award

Oscar Esquivel: Vincent H. Arthaud Travel Award, Don and Louise Skala Fellowship, William G. Whitmore Memorial Travel Award

Anita D. Ferrell: Scholastic Graduate Research Assistantship

Danilo J. Franco: Milton E. Mohr Fellowship, William G. Whitmore Memorial Travel Grant, Southern Poultry Science Society Poster Presentation Award of Excellence

** **Genna M. Frenzen:** American Society of Animal Science Academic Award

Guillermo A. Gargantini: Initiated into membership in Gamma Sigma Delta

Bobbi G. Geisert: Two William G. Whitmore Memorial Travel Grants

****Tracy J. Hadenfeldt:** Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition, American Society of Animal Science Academic Award, UCARE Undergraduate Research Scholarship

Kimberly M. Hargrave: Milton E. Mohr Fellowship, Maude Hammond Fling Fellowship, Vincent H. Arthaud Travel Award, William G. Whitmore Memorial Travel Grant

Heidi L. Harris: William G. Whitmore Memorial Travel Grant

Sarah L. Heidzig: Graduate Women in Science Recognition

Jennifer A. Ingwerson: Graduate Women in Science Recognition

Mohammed A. Jalal: Southern Poultry Science Society Poster Presentation Award of Excellence

Jennie M. James: Chancellor's Doctoral Fellowship

** **Sabrina E. Jansma:** American Society of Animal Science Academic Award

** **Libby D. Johnson:** American Society of Animal Science Academic Award, UCARE Undergraduate Research Scholarship

** **Lisa C. Kot:** Graduate Women in Science Recognition, American Society of Animal Science Academic Award

Lisa A. Kotas: Graduate Women in Science Recognition

** **Adam L. Krause:** Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition, American Society of Animal Science Academic Award

** **Brian L. Krause:** Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition, American Society of Animal Science Academic Award

Ashley A. Lewis: Graduate Women in Science Recognition

** **Pablo L. Loza:** Plains Nutrition Conference Fourth Place Award in the Graduate Student Paper Competition, Vincent H. Arthaud Travel Award

James C. MacDonald: Teaching Assistant Holling Family Award for Teaching Excellence

Amy L. Martin: Nebraska Pork Producers Association Young Pork Producer Award,

Jeremy L. Martin: Milton E. Mohr Fellowship, Teaching Assistant Holling Family Award for Teaching Excellence

** **Darci A. McGee:** Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition, American Society of Animal Science Academic Award

Jessica L. Meisinger: Midwest Representative for the Student Board of Directors of the American Meat Science Association

Drew T. Miller: Don Geweke Memorial Award

** **Renee J. Minary:** Graduate Women in Science Recognition, Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition, American Society of Animal Science Academic Award

David Monsalve: William G. Whitmore Memorial Travel Grant

** **Don A. Moss:** American Meat Science Association Undergraduate Travel Award to Reciprocal Meat Conference

** **Aaron C. Naber:** Vernon Seabury Scholarship, Selected as a Member of the All-American Livestock Judging Team, Don Geweke Memorial Award, Mike Cull Block and Bridle Judging and Activities Award

** **Michelle M. Pavelka:** American Society of Animal Science Academic Award

Megan M. Peterson: Graduate Women in Science Recognition

** **Robert E. Peterson:** American Society of Animal Science Midwest Section Second Place Award in the Ph.D. Graduate Student Paper Competition, Plains Nutrition Conference Third Place Award in the Graduate Student Paper Competition

Matt L. Porter: Block and Bridle Outstanding Initiate Award

Juliati Rahajeng: Initiated into membership in Gamma Sigma Delta, William G. Whitmore Memorial Travel Grant

** **Angel Rios-Utrera:** Ned and Esther Raun International Graduate Fellowship, Beef Improvement Federation Frank Baker Memorial Essay Contest Winner, William G. Whitmore Memorial Travel Grant

**** Ashley E. Robison:** American Society of Animal Science Academic Award, Nebraska Chapter of Gamma Sigma Delta High Scholarship Recognition

Ana Ruis: William G. Whitmore Memorial Travel Grant

**** Lindsey J. Salestrom:** Intercollegiate Horse Show Association Regional Champion, Zone Champion, and Reserve National Champion

Rami M.A. Sawalha: John McDonald Fellowship, William G. Whitmore Memorial Travel Grant

Kristi M. Sayer: Two William G. Whitmore Memorial Travel Grants

Jason M. Scheffler: Center for Biotechnology Milton E. Mohr Fellowship

Jeffrey D. Schmeckpeper: UCARE Undergraduate Research Scholarship

**** Gretja L. Schnell:** Center for Biotechnology Milton E. Mohr Scholarship, I.L. Hathaway Top Senior Award, American Society of Animal Science Academic Award, UCARE Undergraduate Research Scholarship

Melissa J. Senf: Graduate Women in Science Recognition

Sandra L. Senneke: Widaman Distinguished Graduate Assistant Award

Robert D. Smith: Center for Biotechnology Milton E. Mohr Scholarship

**** Jordan M. Spatz:** American Society of Animal Science Academic Award

**** Rachel A. Spatz:** Animal Science Top Junior Award, American Society of Animal Science Academic Award, Graduate Women in Science Recognition, Chicago Mercantile Exchange Beef Scholarship, Nebraska

Chapter of Gamma Sigma Delta High Scholarship Recognition, Center for Biotechnology Milton E. Mohr Scholarship, UCARE Undergraduate Research Scholarship

L. Aaron Stalker: John Hallman Memorial Award, Widaman Distinguished Graduate Assistant Award

**** Sara M. Stepan:** American Society of Animal Science Academic Award

Jessica J. Swanson: UCARE Undergraduate Research Scholarship

**** Jessika M. Uden:** Graduate Women in Science Recognition, Nebraska Pork Producers Association Mentor, American Junior Simmental Association Bronze Merit Award Scholarship, Block and Bridle Outstanding Sophomore Activities Award

Jill Wardell's poster presentation, "Bone characteristics of laying hens as a function of age, diet and strain," under the direction of **Mary Beck**, was one that received recognition in the Undergraduate Poster Competition by the Poultry Science Association at the combined annual meetings held in St. Louis.

**** Josie A. Waterbury:** Animal Science Top Sophomore Award, American Society of Animal Science Academic Award

Nick A. Weinrich: Block and Bridle Senior Workhorse Award

Jennifer E. Witte: Nebraska Pork Producers Association Mentor

Vicki L. Wray: Block and Bridle Outstanding Junior Activities Award, Eric Peterson Memorial Award

SCHOLARSHIPS AWARDED

Ashley K. Batie: ABS Global

Crystal D. Buckner: Feedlot Management Internship

Jodi N. Corbin: Dwight F. Stephens

Eric D. Deerson: Freshman Scholarship

Genna M. Frenzen: Baltzell-Agri-Products, Inc.
Nathan A. Glaesemann: Arthur W. and Viola Thompson
Michael A. Gordon: Freshman Scholarship
Zachary C. Hall: Feedlot Management Internship
Adam E. Hamling: Walter A. and Alice V. Rockwell
Sarah L. Heidzig: William J. and Hazel J. Loeffel, Animal Science Student Ambassador
Krista K. Holstein: Freshman Scholarship
Kristina A. Holt: Block and Bridle Outstanding Senior, Derrick Family
Sabrina E. Jansma: Lincoln Coca-Cola Bottling Company
Libby D. Johnson: Nutrition Service Associates
Lindsay D. Kampbell: Animal Science Student Ambassador
Aaron J. Kavan: Freshman Scholarship
Brooke A. Korell: Feedlot Management Internship
Lisa C. Kot: Arthur W. and Viola Thompson
Lisa A. Kotas: Robert Boeckenhauer Memorial
Ashley A. Lewis: Thomas H. Wake, III

Elizabeth A. Maricle: Doane
Amy L. Martin: Freshman Scholarship
Renee J. Minary: Max and Ora Mae Stark, Animal Science Student Ambassador
Aaron C. Naber: Block and Bridle Outstanding Senior
Aaron Nelson: Feedlot Management Internship
Megan M. Peterson: Walter A. and Alice V. Rockwell
William E. Pohlmeier: Maurice E. Boeckenhauer Memorial
Melissa J. Senf: Burnell
Robert D. Smith: Walter A. and Alice V. Rockwell
Jordan M. Spatz: Chris and Sarah Raun Memorial, Animal Science Student Ambassador
Rachel A. Spatz: William J. and Hazel J. Loeffel, Animal Science Student Ambassador
Jessika M. Uden: Animal Science Student Ambassador
Mike L. Weichman: Feedlot Management Internship
Aaron S. Whitwer: Freshman Scholarship
Sarah M. Witte: Freshman Scholarship
Vicki L. Wray: Block and Bridle Outstanding Junior

TEACHING GRANTS

Don H. Beermann. Animal Science Department Judging Teams. Richard P. Kimmel and Laurine Kimmel Charitable Foundation, Inc. \$18,500.
Don H. Beermann. Animal Science Department Judging Teams. Nebraska Cattlemen Research and Education Foundation. \$2,000.
Don H. Beermann. Japanese Agricultural Training Program. Japanese Agricultural Council. \$19,000.

Don H. Beermann and Susan M. Fritz Preparing Youth for Leadership and Careers in the Nebraska Beef Industry. Nebraska Beef Council. \$5,000.
Don H. Beermann. Nebraska Youth Beef Leadership Symposium. Nebraska Cattlemen Research and Education Foundation. \$2,500.

FACULTY PUBLICATIONS

****Reiling, B.A.**, T.T. Marshall, J.H. Brendemuhl, J.A. McQuagge, and J.E. Umphrey. 2003. Experiential learning in the animal sciences: Development of a multispecies large animal management and production practicum. *Journal of Animal Science* 81:3202-3210. (J. Series No. 04-01).

DEPARTMENTAL ACCOMPLISHMENTS

1st Annual Nebraska Youth Beef Leadership Symposium. Career and educational opportunities are plentiful in Nebraska's beef industry. This was the message that high school students from across the state heard April 18-20, 2004 at the Nebraska Youth Beef Leadership Symposium. "Setting the Cornerposts of Tomorrow's Beef Industry" was the theme for the first-ever symposium, a combined effort of the Nebraska Beef Council, Nebraska Department of Agriculture, Nebraska Cattlemen Research and Education Foundation and University of Nebraska-Lincoln's Departments of Animal Science and Agricultural Leadership, Education and Communication. Over the three day symposium, students heard from top-notch speakers, addressing such topics as goal setting, the state and national legislative process, animal health and food safety, value added beef/new product development, international marketing and a beef checkoff overview. A banquet and career opportunity panel discussion was held on Monday evening, in which UNL alumni who are actively involved in a variety of careers within the beef industry were invited to serve as panel members or facilitators. Ashley Steckel of Taylor, NE, said the information about BSE and E. coli helped her understand how the disease and bacteria is spread and what precautions she could take on her family's feedlot and cow/calf operation

now and in the future. Steckel, a senior at Loup County High School, hopes to become a veterinarian. Jesse Corbin, a senior from Arnold, NE, said the symposium helped him to make connections both at the university and in the beef industry.

Two experts on problem-based learning presented a seminar to the Animal Science Department and a workshop to approximately 60 CASNR faculty. Their presentation came about because the Animal Science Department and CASNR co-sponsored a faculty member to attend a teaching workshop entitled, "Student Writing and Critical Thinking in Agriculture in 2003." Several faculty have adopted this innovative and effective teaching strategy.

Students in Fresh Meats class conducted research and a focus group prior to participating in a "Build A Better Burger" competition. The contest was designed to stimulate student learning about fresh meats characteristics, consumer preferences, meat cooking methods, and composition/cost considerations when developing a new product.

The Animal Science Department has expanded its experiential learning for undergraduate students. Three subject-matter study tours are now offered. The Meat Industry Study Tour has made 25 annual trips in the past 29 years. This tour has involved 269 students and involves tours of various commercial

slaughter, fabrication, processing and ready-to-eat cooking operations. Stops were also made to observe a milk-fed veal calf barn, pre-cooked pork sausage plant, spice and ingredient blending, old-world sausage manufacture and frozen ground beef patties. The new study tours involve a swine operation tour and a horse production tour offered this year with inaugural tours. The tours are designed to take the students into the commercial industry to observe first hand experiences that cannot be seen in the classroom, to expand the understanding of career opportunities and to encourage students to better understand the many facets of careers in Animal Science.

Sarah Ivan taught the Applied Dairy Production Management Course at Northeast Community College, which is part of the UNL Dairy Technician Certification Program and provided leadership for the dairy internship program offered at the Midwest Dairy Institute at Milbank, South Dakota.

Meat Animal Evaluation Team—In the National Meat Animal Evaluation Contest (MAEC), the University of Nebraska team placed 6th overall, 3rd in Combined Beef Evaluation, 5th in the Market Animal Division, 6th in the Communications and Meats Divisions and 7th in the Breeding Division. Individually, Aaron Naber was the Reserve National Champion placing 2nd overall, 2nd in Beef, 6th in Market Animal Evaluation, 8th in Sheep, and 9th in Meats Evaluation. Joe Wendell placed 11th in Beef, 12th in the Breeding Division, and 16th in Swine. Adam Hamling placed 12th in the Meats Division. Other team members were Kristina Holt, Aaron Fehringer, and Travis Wolf. The team was coached by Bryan Reiling and Rosie Nold. The

Meat Animal Evaluation Contest is a comprehensive event which includes market, breeding, meats and communications divisions. Contestants evaluate animals for fat thickness, muscling, yield and quality grades and percent lean, as well as price group of animals and rank them on performance such as lean gain per day. The breeding division includes ranking classes and questions for beef, sheep and swine breeding livestock, as well as keep/cull classes for all species. Carcass pricing, grading and ranking classes of carcasses and retail cuts compose the meats division. In the communications division, team members work together to address current issues facing the livestock industry. This year's topic was national animal ID.

Livestock Judging Team—In November, 2003, the UNL Livestock Judging Team competed in the 98th National Collegiate Livestock Judging Contest held in conjunction with the North American International Livestock Exposition at Louisville, KY. Twenty-nine universities and 140 individual contestants competed. Individually, Aaron Naber was recognized as a member of the All-American Livestock Judging Team. This honor encompasses not only the student's judging ability in national competitions, but it also rewards academic performance, leadership, and community service. This is the second consecutive year that the University of Nebraska placed a student on the All-American Livestock Judging Team. In sheep judging, Joe Wendell and Ben Andrews were the 7th and 8th high individuals, respectively. As a team, UNL placed 7th in the Suffolk division (market lambs), 4th in performance sheep judging, and 5th overall in sheep judging. In swine

judging, Kristina Holt placed 14th. The team placed 18th overall in swine judging, but they were 5th in the Yorkshire division and 11th in performance swine judging. In cattle judging, the team placed 7th in the Shorthorn division, 17th in performance cattle judging, and 13th overall in cattle judging. In oral reasons, the team placed 14th. Overall, Aaron Naber and Joe Wendell were each among the top third of contestants, and the team placed 12th. Earlier in the fall at the American Royal in Kansas City, the UNL Livestock Judging Team placed 5th in swine judging, 11th in sheep judging, 13th in beef cattle judging, 13th in oral reasons, and 11th overall. Individually, Aaron Naber placed 15th in swine judging and 16th in sheep judging. Twenty-three teams and 115 individuals competed in this contest. Team members included Ben Andrews, North Bend; Kristina Holt, Thedford; Aaron Naber, Roca; Tyrell Rousey, North Platte; and Joe Wendell, Smithfield. The team was coached by Jeremy Martin and Josh Stroh, and advised by Dr. Bryan Reiling.

The Animal Science Department's Academic Quadrathlon

held November 21-22, 2003. Approximately 50 Animal Science faculty, staff and graduate and undergraduate students assisted with this year's contest in which 10 teams (41 students) competed. The four contest chairs were: Keith Gilster (Lab Practicum), Dennis Burson (Written Exam), Libby Lugar (Quiz Bowl), and Bryan Reiling (Oral Presentation). The winning team, which also won the Oral Exam, was composed of Cheryl Halstead, Jessica McCall, Kristina Holt and Kerry Burns. The second ranking team composed of Tyrell Rousey, Mikaleh Shultz, Sarah Vanness,

and Jeff Fairmon placed first in the Lab Practicum, Written Exam and the Quiz Bowl. The third placed team members were Tessa Frenzen, Erin Mecklem, Michelle Demerath, Amanda Van Hecke, and Shane Potter. Jess Miner provided leadership for the Nebraska contest as well as the Midwest meeting participation.

The UNL Quadrathlon Team competed in the March, 2004, Midwest regional contest and then went on to participate fully in the Midwestern Sectional Meeting of the American Society of Animal Science. Team members served on a panel discussion of animal science curricula, fielding audience questions from an undergraduate perspective. The Quadrathlon contest challenges skills and knowledge in practical animal production, science, and oral communication. Team members were Kerry Burns, Humphrey; Kristina Holt, Thedford; Mikaleh Shultz, Fairbury; and Sarah Vanness, Wausa. Jess Miner served as the team's faculty advisor.

The UNL Team participating in the June, 2004, annual American Meat Science Association Quiz Bowl competition at the Reciprocal Meat Conference in Lexington, Kentucky were: Ashley Batie, Jason Meents, and Aaron Naber.

Group KK, the 37th Japanese Agricultural Training Program, began January 12 and continued for 12 weeks of intensive study in the fields of animal science and agricultural economics. The group included seven dairy, four beef, two poultry and two swine trainees. Ted Doane provided leadership of the animal science portion of the program.

Block and Bridle National Convention-

The following students attended the 84th National Block and Bridle Convention in San Antonio, TX. (February 19-22, 2004):

Ashley Batie	Lindsay Kampbell
Ashley Lewis	Sara Stepan
Kimberly Becker	Jennifer Witte
Adam Hamling	Catherine Hervert
Jessika Uden	Vicki Wray
Matt McGraw	Aaron Naber
Robert Smith	Jim Latoski
R. Matt Porter	Kristina Holt
Shane Potter	Brock Olson
Aaron Fehring	Adam Freouf
Nick Weinrich	Kami Marsh
Austin Benes	Crystal Olson

Accompanying advisors: Rick Rasby
Brett White

Recognition received by the UNL Chapter of Block and Bridle included:

- A plaque for 4th place in the Published Chapter Yearbook Awards which was accepted by Historian, Kim Becker.
- Aaron Naber received honorable mention in the Junior Scholarship Awards.

The convention included tours to King Ranch, Selah Bamberger Ranch Preserve, Kerr Wildlife Management Area, Lyndon B. Johnson National Historical Park, Snaffle Bit Ranch/Falcon-Seaboard Ranches, Spoetzl Brewery, Graham Land and Cattle Company, Live Oaks Farms, the San Antonio Livestock Show and Rodeo, and a concert by Lonestar. A number of excellent speakers were part of the program including Trent Loos, a Nebraska rancher who has a radio program called Loos Tales; Chip Flatow, hypnotist; Professor Jim Olson, Senior Lecturer and CIA Officer in Residence at the George Bush School of Government and Public Service; Jim Whitt, co-founder of The Institute of Purposeful Living whose motivational speaking techniques include “Cowboy Psychology”; and Charles Bradbury, CEO of Beefmaster Cattlemen LP, a Texas Limited Partnership that markets

branded beef products including Nolan Ryan’s All Natural Tender Aged Beef. **Culinology™** is a degree created by the Research Chefs Association to blend culinary arts with food science, thus bridging the gap between a Chef and a Food Technologist. Graduates can create, develop and balance flavors in combination with new technologies in an upscale manufacturing setting. Currently, three institutions have approved Culinology™ programs and five others are in the approval process. The University of Nebraska-Lincoln was the first to establish such a program. In December, 2003, Donald A. Moss was the first in the nation to receive a Bachelor of Science in Culinology™. Don was also a graduate of the Animal Science Department, with a specialization in meat science.

Pork Industry Study Tour: A new class, Pork Industry Study Tour (Animal Science 311D) was offered in May. The seven-day tour through Missouri, Iowa and Minnesota was designed to provide students a holistic understanding of current pork industry operations and issues at a time when they are shaping their career paths. Students were responsible for assisting in the development of the itinerary to ensure some tour stops reflected their interests. The five students toured a vertically integrated and an outdoor-based, family-operated pork production system. They walked through a modern packing plant and feed mill. Discussions were held with grocery retailers, plant and swine genetic suppliers, Iowa State University researchers, management company personnel, veterinarians, and equipment and pharmaceutical manufacturers. Students said the greatest benefits of the tour were a better understanding of career possibilities for them within the

pork industry and meeting face-to-face with people who are excited about their career. Duane Reese instructs the course.

Denmark Study Tour: Seven students from UNL and Iowa State University left for Denmark in May on a three-week study tour led by Duane Reese. The tour was designed to provide students skills and experiences valuable for a successful career in a global, consumer-driven food industry. Each student lived with a Danish farm family for seven days. Enterprises on those farms included dairy, pork, small grain, vegetable and sugar beets. Students obtained direct experience with Danish farm production practices and family life. Students milked cows, cared for pigs, planted vegetables, ate open-faced

sandwiches and discussed world affairs with foreigners for, in many cases, the first time in their life. They also toured together visiting farms and agribusinesses involved in conventional and organic food production, fur production and marketing, export and direct consumer marketing. Attending Crown-Prince Frederick's wedding in Copenhagen was a huge hit. The greatest benefits of the tour, according to the students, were a better understanding of Danish food management and production practices, culture and traditions. One student wrote "it really broadened my horizons and it was one of the most amazing experiences I have ever had".

** Quality Indicators

DEPARTMENT OF BIOCHEMISTRY

Department Head

Donald P. Weeks

Professors

Ruma V. Banerjee
Raymond Chollet

John P. Markwell
Stephen W. Ragsdale

Robert J. Spreitzer
Donald P. Weeks

Associate Professors

Han H. Asard
Vadim N. Gladyshev

Assistant Professors

Joseph Barycki
Donald F. Becker

Jaekwon Lee
Melanie Simpson

Julie M. Stone

Senior Lecturer

S. Madhavan Soundararajan

Lab Supervisor
Linda L. Shearman

FACULTY RECOGNITION

Ruma Banerjee was selected as a University Professor.

SCHOLARSHIPS AWARDED

Eric Andrews: UCARE Recipient

Christopher Balwanz: UCARE Recipient

Sarah Barchinger: UCARE Recipient

Mark Behrens: Ph.D. Student in Dr. Weeks' lab, received the Beta Theta Pi Teacher Recognition Award.

Uyen Chu: UCARE Recipient

Jesse Cox: UCARE Recipient

Razvan Dumitru: Ph.D. Student in Dr. Ragsdale's lab, was awarded the Farmers National Fellowship for teaching.

Ruby Evande: Ph.D. Student in Dr. Banerjee's lab, was awarded the Farmers National Fellowship for teaching.

Nicole Gibson: UCARE Recipient

Jennifer Haas: UCARE Recipient

Natalie Hart: UCARE Recipient

Ryan Kolarik: UCARE Recipient

Patrick Kennedy: UCARE Recipient

Vyacheslav Labunskyy: Ph.D. Student in Dr. Gladyshev's lab, was awarded the Chancellor's Doctoral Fellowship and a fellowship from the Nebraska Center for Cell Signalling.

Karrie Martin: UCARE Recipient

Eric Moellering: UCARE Recipient

Melissa R. Ockenga: Ph.D. Student in Dr. Banerjee's lab was awarded a \$25,000 Redox Biology Center Fellowship.

Sebastian Oltean: Ph.D. Student in Dr. Banerjee's lab, was granted the American Heart Association Fellowship.

Horatia Olteanu: Ph.D. Student in Dr. Banerjee's lab, was awarded the Folsom Distinguished Graduate Dissertation Award.

Stelian Pop: Ph.D. Student in Dr. Ragsdale's lab, was awarded the Farmers National Fellowship for teaching.

Anna Prudova: Ph.D. Student in Dr. Banerjee's lab, was awarded the Farmers National Fellowship for teaching.

Brandi Sommers: UCARE Recipient

Justin Stiers: UCARE Recipient

Dan Su: Ph.D. Student in Dr. Gladyshev's lab, was awarded the Bioinformatics Resource (BIRS) Fellowship and the Widaman Trust Distinguished Graduate Assistant Award.

Shelley Tift: UCARE Recipient

Yin Wang: Ph.D. Student in Dr. Lou's lab, was awarded the Othmer Graduate Student Fellowship.

Joshua Widhalm: UCARE Recipient

TEACHING GRANTS

John P. Markwell: \$30,000 seed grant to develop multimedia modules for science education.

FACULTY PUBLICATIONS

Han Asard

- Bérczi A., Caubergs R.J., Asard H. (2003) Partial purification and characterization of an ascorbate-reducible b-type cytochrome from

the plasma membrane of Arabidopsis thaliana leaves. *Protoplasma* 221: 47-56 (Agricultural Research Division no. 13693)

- Bashtovyy D., Bérczi A., Asard H., Páli T (2003) Structure prediction for the di-heme cytochrome b-561 protein family. *Protoplasma* 221: 31-40 (Agricultural Research Division no. 13700)
 - Raeymaekers T., Asard H., Potters G., Guisez Y., Horemans N. (2003) The copper-mediated oxidative burst in *Nicotiana tabacum* L. cv. Bright Yellow 2 cell suspension cultures. *Protoplasma* 221: 93-100
 - Verelst W., Asard H. (2003) A phylogenetic study of cytochrome b561 proteins. *Genome Biology* 4:R38 (Agricultural Research Division no. 14061)
 - Verelst W., Kapila J., De Almeida J., Stone J., Caubergs R., Asard H., Tissue-specific and developmental regulation of *Arabidopsis thaliana* cytochrome b561 genes. *Physiol Plant* (in press) (Agricultural Research Division no. 13822)
 - Verelst W., Asard H. (2003) Analysis of an *Arabidopsis thaliana* protein family, structurally related to cytochromes b561 and potentially involved in catecholamine biochemistry in plants. *J Plant Physiol* (in press) (Agricultural Research Division no. 14041)
 - Bérczi A., Asard H. (2003) Soluble proteins, an often overlooked contaminant in plasma membrane preparations. *Trends Plant Sci* 8: 250-251 (update) (Agricultural Research Division no. 14078)
 - Banerjee, R. and Ragsdale, S.W. (2003) The many faces of cobalamin: Catalysis by B12-dependent enzymes, *Ann. Rev. Biochem.* 72:209-247
 - Banerjee, R. (2003) Radical Carbon Skeleton Rearrangements: Catalysis by Coenzyme B12-dependent Mutases, *Chem. Rev.* 103:2083-2094.
 - Olteanu, H. and Banerjee, R. (2003) Redundancy in the Pathway for Redox Regulation of Mammalian Methionine Synthase: Reductive Activation by the Dual Flavoprotein Novel Reductase, *J. Biol. Chem.* accepted for publication.
 - Olteanu, S. and Banerjee, R. (2003) Nutritional modulation of gene expression and homocysteine utilization by vitamin B12 *J. Biol. Chem.* 278:20778-20784
 - Zou, C-G. and Banerjee, R. (2003) Tumor necrosis factor- α -induced targeted proteolysis of cystathionine γ -synthase modulates redox homeostasis, *J. Biol. Chem.* 278:16802-16808
 - Vlasie, V. D. and Banerjee, R. (2003) Tyrosine 89 accelerates Co-carbon bond homolysis in methylmalonyl-CoA mutase, *J. Am. Chem. Soc.* 125:5431-5436.
 - Vitvitsky, V., Mosharov, E., Tritt, M., Ataullakhanov, F. and Banerjee, R. (2003) Redox Regulation of Homocysteine-dependent Glutathione Synthesis, *Redox Rep.* 8: 56-63.
 - Banerjee, R. (2003) Introduction:Radical Enzymology. *Chem. Rev.* 103: 2081-2082
 - Olteanu, H., Munson, T. and Banerjee, R. (2002) Differences in the Efficiency of Reductive Activation of Methionine Synthase
- Ruma Banerjee**
- Banerjee, R., Evande, R., Kabil, Ö, Ojha, S. and Taoka, S. (2003) Reaction Mechanism and regulation of cystathionine γ -synthase, *Bioc. Biophys. Acta*, 1647:30-35.

and Exogenous Electron Acceptors in the Common Polymorphic Variants of Human Methionine Synthase Reductase, *Biochemistry*, 41:13378-85.

Donald Becker

- Zhu, W., and Becker, D. F. (2003) Flavin Redox State Triggers Conformational Changes in the PutA Protein from *Escherichia coli*. *Biochemistry* 42, 5469-5477.
- Lee, Y. H., Shorena, N., Gu, D., Becker, D. F., and Tanner, J. J. (2003) Structure of the Proline Dehydrogenase Domain of the Multifunctional PutA Flavoprotein. *Nature Structural Biology* 10 (2), 109-114.

Raymond Chollet

- Chastain, C.J., and R. Chollet. (2003) Regulation of pyruvate, orthophosphate dikinase by ADP-/Pi-dependent reversible phosphorylation in C₃ and C₄ plants. *Plant Physiol. Biochem.* 41: 523-532.
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carboxylase kinase gene (*NE-PpcK*) that shows striking up-/down-regulation *in vivo*. *Plant J.* 34: 441-452.

Vadim Gladyshev

- Novoselov, S. V. and Gladyshev, V. N. Non-animal origin of animal thioredoxin reductases: Implications for selenocysteine evolution and evolution of protein function through carboxy-terminal extensions. (2003) *Protein Sci.* 12, 372-378.
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- Novoselov, S. V. and Gladyshev, V. N. Non-animal origin of animal thioredoxin reductases: Implications for selenocysteine evolution and evolution of protein function through carboxy-terminal extensions. (2003) *Protein Sci.* 12, 372-378.
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Paterson, B. M., Gladyshev, V. N., Lee, B. J., and Hatfield, D. L. The *Drosophila* selenoprotein BthD is required for survival and has a role in salivary gland development. (2003) *Mol. Cell. Biol.*, revised version submitted.

- Fomenko, D. E. and Gladyshev, V. N. Genomics perspective on disulfide bond formation. (2003) *Antioxid. Redox Signal.* In press.
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Jaekwon Lee

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Madhavan S

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John Markwell

- J. Markwell and D.W. Brooks (2003) 'Link rot' limits the usefulness of web-based educational materials in biochemistry and molecular biology. *Biochem. Mol. Biol. Educ.*, 31:69-72
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Melanie Simpson

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Robert Spreitzer

- Spreitzer, R.J. (2003) Role of the Rubisco small subunit. *Arch Biochem Biophys* 414: 141-149

Julie Stone

- A. Leonardo Iniguez, Yuemei Dong, Brian M.M. Ahmer, Julie M. Stone and Eric W. Triplett (2003) Stealth Bacteria: a model for the regulation of endophytic colonization by enteric bacteria.

Donald Weeks

- *Chlamydomonas reinhardtii* selenocysteine tRNA^{{Ser}Sec} 2003 M. Rao, B.A. Carlson, S.V. Novoselov, D.P. Weeks, V. Gladyshev and D.L. Hatfield *RNA* 9: 932-30

DEPARTMENT OF BIOLOGICAL SYSTEMS ENGINEERING

Interim Department Head

Derrel L. Martin

Professors

Leonard L. Bashford
Dean E. Eisenhauer
Milford A. Hanna

Derrel L. Martin
George E. Meyer
Jack L. Schinstock

Dennis D. Schulte
Curtis L. Weller

Associate Professors

William P. Campbell
David D. Jones
Michael F. Kocher

Assistant Professors

Viacheslav I. Adamchuk
Gregory R. Bashford
Richard R. Stowell

FACULTY RECOGNITION

Gregory R. Bashford: Props to Profs

Award (awarded from student nominations every month to recognize an outstanding professor who teaches any required engineering class).

Leonard L. Bashford: Adviser of the UNL ¼ Scale Tractor Team which participated in national competition in Moline, Illinois. The Nebraska team received a trophy and four plaques, including 4th place for overall placement and 1st for sportsmanship.

Dean E. Eisenhauer: 2004 Recognition as an Outstanding Advisor, College of Engineering and Technology – Student Advisory Board.

Thomas G. Franti: Developed and taught a new graduate course in Fall 2003, *Ecological Systems Engineering*, which focused on the emerging discipline of

ecological engineering, the integration of ecology and engineering to solve environmental problems.

Milford A. Hanna: Holling Master Teacher Award; UNL College of Engineering and Technology; Presentation to Women Interested in Engineering (WIIE) Program; 2004 Recognition as an Outstanding Advisor; College of Engineering and Technology – Student Advisory Board.

David D. Jones: Holling Family Master Teacher Award; UNL College of Engineering and Technology; 2004 College Distinguished Teaching Award; 2004 Recognition as an Outstanding Advisor; College of Engineering and Technology – Student Advisory Board.

Michael F. Kocher: Member, CASNR Transfer Credit Review Committee; Member, CASNR Recruitment, Retention, and Placement Committee; College of Engineering and Technology Chair, Committee on Graduation with Distinction; Member, UNL Academic Rights and Responsibilities Panel; 2004 Recognition as an Outstanding Advisor, College of Engineering and Technology – Student Advisory Board.

Derrel L. Martin: Fellow of ASAE, Member of UNL Academic Planning Committee and the UNL Graduate Council.

Jack L. Schinstock: Certificate of Recognition for Contributions to Students presented by The Parents Association and the Teaching Council of UNL; recognized at the Greek Faculty Appreciation Reception as a faculty member who has had a meaningful impact on students' lives.

Dennis D. Schulte: Holling Family Distinguished Engineering Educator Award; Outstanding Teacher in the College of Engineering and Technology for 2003-2004 (Selected by Tau Beta Pi); 2004 Recognition as an Outstanding Advisor, College of Engineering and Technology – Student Advisory Board; presented a paper at the national meeting of ASEE in Salt Lake City, Utah, *Getting from anecdotal to measured outcomes assessment for out-of-class experiences*. Co-authors were David Jones, Ann Koopmann and Beth Tieszen (BSE undergraduate student).

Richard R. Stowell: BSE Department representative on the CASNR Faculty Advisory Committee

Curtis L. Weller: 2004 Recognition as an Outstanding Advisor, College of Engineering and Technology-Student Advisory Board

CONFERENCES ATTENDED

Dennis D. Schulte. 2004. American Society for Engineering Education. Annual Conference and Exposition. Salt Lake City, Utah. June 20-23, 2004.

STUDENT RECOGNITION

Jeffrey Backemeyer: 2004 Departmental Outstanding Senior Award

Justin Cermak: Soil and Water Conservation Society 2004 Melville H. Cohee Student Leader Conservation Scholarship

Katrina Christiansen: Chair, UNL E-Week

Girish Ganjyal: ASAE Mid Central Graduate Student of the Year

Melissa Halverson, Adam Roeser, Jeff Schmeckpeper: 1st Place Winners in E-Week Competition

Derek Robinson: 2004 Departmental Outstanding Senior Award

UNL Soil Judging Team: The seven-member team consisting of students from several disciplines includes Jason Pohlmann, Tyler Smith and Heath Vogt (Mechanized Systems Management students) and finished second overall at the regional contest in Columbia, Missouri. The three top teams qualified for the national contest hosted by Illinois State.

Women in Science: Seven students from the Department of Biological Systems Engineering were among those honored at the Graduate Women in Science – February Forum on February 11, 2004.

Students who were honored include:
**Katrina Christiansen, Beth Erickson,
Sarah Hanson, Casey Mader,**

**Kathryn Milius, Crystal Powers, and
Beth Tieszen.**

SCHOLARSHIPS AWARDED

Jeremy Albin: Elenore Gakemeier Swarts
Distinguished Scholarship

Scott Albrecht: CNH Global Scholarship

Zachary Alger: Dr. and Mrs. William E.
Splinter Scholarship

Nicholas Anderson: Fred R. Nohavec
Scholarship

Randy Ankeny: Lloyd W. and Margaret V.
Hurlbut Memorial Scholarship

Alejandro Amezquita: V. Duane Rath
Foundation Graduate Research
Fellowship, Milton E. Mohr Fellowship
for 2003-2004

Jeffrey Backemeyer: Leroy W. and Jean E.
Thom Scholarship

Jonathan Becker: CNH Global Scholarship

Cody Carlson: Ivan D. Wood Memorial
Scholarship

Joao Carmargo-Neto: Widaman Trust
Distinguished Graduate Assistant Award
for 2003-2004

Philip Christenson: Mary and Charles C.
Cooper/Emma I. Sharpless Scholarship

Katrina Christiansen: George Milo
Petersen Memorial Scholarship

Quentin Cooksley: Rogers Memorial
Scholarship

Sandun Fernando: Frank and Marie
Wheeler Fellowship for 2003-2004

Beth Fry: Paul E. and Mary Beth Fischbach
and Family Scholarship

Girish Ganjyal: AACC Anheuser-
Campbell Taggart Graduate Fellowship,
Milton E. Mohr Fellowship for 2003-
2004, John McDonald Fellowship for
2003-2004

Junjie Guan: AACC Bill Doty Memorial
Fellowship, Outstanding International
Graduate Student Award for 2003-2004,
John and Louise Skala Fellowship for

2003-2004, Milton E. Mohr Fellowship
for 2003-2004

Sarah Hanson: George Milo Petersen
Memorial Scholarship

Jodi Harper: Elenore Gakemeier Swarts
Distinguished Scholarship

Aaron Herz: Leroy W. and Jean E. Thom
Scholarship

Curtis Hillen: Lloyd W. and Margaret V.
Hurlbut Memorial Scholarship

Troy Ingram: Rogers Memorial
Scholarship

Nathan Jacobitz: Rogers Memorial
Scholarship

Zachary Kippenbrock: Elenore Gakemeier
Swarts Distinguished Scholarship

Austin Lammers: Leroy W. and Jean E.
Thom Scholarship

Jennifer Melander: Mary and Charles C.
Cooper/Emma I. Sharpless Fellowship
for 2003-2004

Jonathan Niebuhr: John J. Sulek Memorial
Scholarship

Zachary Niemann: Dr. and Mrs. William
E. Splinter Scholarship

John Novak: Mr. and Mrs. W. F. Hoppe,
Sr. Memorial Scholarship

Jason Pohlmann: Leroy W. and Jean E.
Thom Scholarship

Crystal Powers: Paul E. and Mary Beth
Fischbach and Family

Derek Robinson: Leonard Schoenleber
Agricultural Scholarship

Jeffrey Schmeckpeper: George Milo
Petersen Memorial Scholarship

Allan Steinkraus: Ivan D. Wood Memorial
Scholarship

Joel Stenberg: Elenore Gakemeier Swarts
Distinguished Scholarship

Nicholas Tomsen: Fred R. Nohavec
Scholarship

Scott Wellensiek: CNH Global Scholarship

Nicholas Wiese: Tom Thompson Memorial

Nicholas Willis: Ivan D. Wood Memorial
Scholarship

Cole Zenter: Ken Von Bargen Scholarship

TEACHING GRANTS

David D. Jones: Proposal: *Graduate Education for the Bio-based Products Industry*, funded by the U.S. Department of Energy. \$10,000. Funded through January 2004.

William P. Campbell and Jack L. Schinstock: Industry contribution from John Deere for Dealership Management

Training and Mechanized Systems Management program. \$25,000. Funded annually.

Derrel L. Martin and George E. Meyer: National Needs Graduate Fellowship Program. USDA-CSREES. \$276,000. Funded through 2007.

DEPARTMENTAL ACCOMPLISHMENTS

National Graduate Student Award



The International Association of Food Industry Suppliers Foundation awarded the V. Duane Rath Graduate Research Fellowship to Alejandro Amezcua. The \$10,000 award was presented at the

Annual Conference in Scottsdale, Arizona on March 26, 2004. Alejandro is pursuing a Ph.D. His doctoral dissertation focuses on establishing an interface between food microbiology and food engineering. He has published two peer-reviewed papers in internationally recognized journals, two book chapters, two extension publications and given more than eight technical presentations.

Quarter Scale Tractor Design Competition

The Society for Engineering in Agriculture, Food and Biological Systems (ASAE) sponsors a National Student Design Competition based on designing a 1/4 Scale

Tractor. The competition is arranged to be educational and fun. Students work as a team to design, build, test and present a new tractor every year. Judging is based on a written report, a team presentation, individual design judging and a performance competition. The competition consists of a tractor pull using a progressive sled. Students gain experience in the design of drivetrain systems, tractor performance, manufacturing processes, analysis of tractive forces, weight transfer and strength of



materials. They also develop skills in communication, leadership, teamwork, fundraising, testing and development.

The UNL ¼ Scale Tractor Team participated in the national competition in Moline, IL. Twenty-six collegiate teams from the U.S. and Canada competed in 2004. The UNL team received a trophy and four plaques including 4th place for overall performance and 1st for sportsmanship. This is an interdisciplinary project with team members from Agricultural Engineering, Biological Systems Engineering, Mechanized Systems Management, Animal Science, and Mechanical Engineering. The tractors have been used by the College of Agricultural Sciences and Natural Resources, the College

of Engineering and Technology and UNL for recruiting opportunities.

International Student Experience in Food

Dr. Curt Weller is leading a group of students on an international undergraduate study-abroad trip to France to study French food production and trends in food processing in Europe. He is participating in a multi-state project to enhance the experience of a group of students from Nebraska, Penn State, Missouri and Iowa State as part of a US Department of Education FIPSE-funded exchange.

DEPARTMENT OF ENTOMOLOGY

Department Head

Z B Mayo

Professors

Leon G. Higley
David L. Keith
Z B Mayo

Lance J. Meinke
Brett C. Ratcliffe
Blair D. Siegfried

David W. Stanley

Associate Professors

Stephen D. Danielson
Marion D. Ellis

Assistant Professor

Tiffany M. Heng-Moss

FACULTY RECOGNITION

Stephen D. Danielson: CASNR Recruitment, Retention, and Placement Committee; the CASNR Curriculum Committee

Douglas A. Golick, Marion D. Ellis, and David W. Brooks: 2004 Entomology Educational Project Award for Bumble Boosters

*****Tiffany M. Heng-Moss:** National Entomological Society of America Teaching Award; Vice-Chair of the Education and Youth Committee for the National ESA; Member Student's Award Committee and Student Competition Judge for the North Central Branch ESA meetings; Symposium

Committee for Section F for ESA; Chair for CASNR Faculty Advisory Council; Certificate of Recognition for Contributions to Students from the UNL Parents Association

Leon G. Higley: CASNR Teaching Improvement Committee

W. Wyatt Hoback, Kerri Skinner, and Leon G. Higley: 2004 Entomology Educational Project Award for ESCAPE Website

Thomas E. Hunt was promoted to the rank of Associate Professor and granted a

continuous appointment effective July 1, 2004.

Shripat T. Kamble: C.V. Riley Achievement Award at the North Central Branch Entomological Society of America meeting, elected as a Governing Board Representative for Section F for the ESA

David L. Keith: IANR Liaison Committee

David W. Stanley: Elected as Section B Secretary for the Entomological Society of America

Robert J. Wright: Elected to the UNL Academic Senate

CONFERENCES ATTENDED

Stephen D. Danielson attended the CASNR Interim Faculty Workshop entitled, “Producing Engagement in Students and Faculty in Learning.”

Tiffany M. Heng-Moss was an invited presenter and participant at both the National ESA Symposium on Distance Education, and the Innovative Ideas for the Classroom Workshop sponsored by the UNL Vice Chancellor’s Office for Academic Affairs. She also attended CASNR’s Interim Workshop entitled, “Producing Engagement in Students and Faculty in Learning.”

Leon G. Higley and W. Wyatt Hoback organized a symposium, “Hype or Hope? – Distance Education in Entomology” for the 2003 Entomological Society of America meetings. UNL invited speakers included Douglas A. Golick, Tiffany M. Heng-Moss, Connie I. Reimers-Hild, Arnold J. Bateman, and Joan A. Christen.

David L. Keith was an invited speaker to a group of 25 Lincoln Public Schools junior high science teachers. The topic was the Nebraska West Nile Virus situation.

STUDENT RECOGNITION

William J. Allgeier: Milton E. Mohr Fellowship from CASNR, Henry F. and Jean D. Holtzclaw Fellowship, Center for Great Plains Studies Board of Governors research grant, Myron H. Swenk Memorial Fund Travel Award, 3rd Place Award in poster competition at the Central States Entomological Society 80th Annual Meeting

Nicholas P. Aliano: Mary and Charles C. Cooper/Emma I. Sharpless, Myron H.

Swenk Memorial Fund Travel Award, Fellowship, 1st Place Award in the student paper competition at the American Bee Research Conference, 1st Place Award in the poster competition at the North Central Branch ESA Meetings
Analiza P. Alves: Shear-Miles Fellowship, Myron H. Swenk Memorial Fund Travel Award

Wyatt G. Anderson: Mary and Charles C. Cooper/Emma I. Sharpless Fellowship, Milton E. Mohr Fellowship from CASNR, Myron H. Swenk Memorial Fund Travel Award, Honorable Mention for oral presentation at the Entomological Society of America Annual Meetings, 1st Place Award for oral presentation at the North Central Branch ESA Meetings, Graduate Student Teaching Award of Merit from North American Colleges and Teachers of Agriculture (NACTA) and Department of Entomology

Tierney R. Berger: Mary and Charles C. Cooper/Emma I. Sharpless Fellowship

Staci Bohling received scholarship from the Earl and Bertha Ramsey Memorial Fund for the academic year 2003-2004.

Nicolette Brenton received an Ephriam and Veallon Hixson Memorial Scholarship for the academic year 2003-2004.

Laura A. Campbell: Myron H. Swenk Memorial Fund Travel Award

*****Joan A. Christen:** 2003 ESA President's Prize for Outstanding Achievement in Secondary Education Using Insects as Educational Material, CIBA Specialty Chemicals High School Science Teaching Award from the National Science Teachers Association 2004 Teacher Awards Program, 2004 Christa McAuliffe Prize given by UNL's College of Education and Human Sciences, Nebraska Award of Excellence

*** **Pete L. Clark:** Entomological Foundation's 2003 Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student Research Award, Milton E. Mohr Fellowship from CASNR, Milton E. Mohr Fellowship from Center for Biotechnology, Myron H. Swenk Memorial Fund Travel Award

André Crespo: Mary and Charles C. Cooper/Emma I. Sharpless Fellowship

Jessica Daehnke received an Ephriam and Veallon Hixson Memorial Scholarship for the academic year 2003-2004.

Katie Deerson received an Ephriam and Veallon Hixson Memorial Scholarship for the academic year 2003-2004.

Thomas E. Eickhoff: Myron H. Swenk Memorial Fund Travel Award

Lisa D. Franzen: Mary and Charles C. Cooper/Emma I. Sharpless Fellowship, Myron H. Swenk Memorial Fund Travel Award, 1st Place Award in the Biological and Agricultural Sciences division of the Sigma Xi Student Research Poster Competition

Shauna Hawkins: Mary and Charles C. Cooper/Emma I. Sharpless Fellowship, Myron H. Swenk Memorial Fund Travel Award (2), School of Biological Sciences I.E.E.A. Travel Award

Timothy E. Huntington: Milton E. Mohr Fellowship from CASNR, Myron H. Swenk Memorial Fund Travel Award, 1st Place Award for oral presentation at the North Central Branch ESA Meetings

Jeffrey T. Krumm: 1st place in Farmer Problem Solving at the 2003 North Central Weed Science Society Contest, Elvis Dickason Memorial Fund Travel Award (2), Myron H. Swenk Memorial Fund Travel Award

Diana K. Londono: Myron H. Swenk Memorial Fund Travel Award

Paula A. Macedo: Sue Willson Fellowship from the Office of Graduate Studies, Milton E. Mohr Fellowship, Widaman Trust Distinguished Graduate Assistant Award, William G. Whitmore Memorial Fund Travel Award

Sasi Maliphan: Myron H. Swenk Memorial Fund Travel Award

Federico C. Ocampo: Presidential Graduate Fellowship, Elvis Dickason Memorial Fund Travel Award

Matthew J. Paulsen: Center for Great Plains Studies research grant, School of Biological Sciences I.E.E.A. research grant, Myron H. Swenk Memorial Fund Travel Award, School of Biological Sciences I.E.E.A. Travel Award

Eliseu J. Pereira: 1st Place Award in the poster competition at the North Central Branch ESA Meetings

Sean M. Putnam: Hazel V. Emley Fellowship from the Office of Graduate Studies

Obdulia Segura-Leon: Myron H. Swenk Memorial Fund Travel Award

Neil A. Spomer: 1st Place Award in the poster competition at the North Central Branch ESA Meetings, Myron H. Swenk Memorial Fund Travel Award

Sheri Svehla received scholarship from the Earl and Bertha Ramsey Memorial Fund for the academic year 2003-2004.

Willa Toren received scholarship from the Earl and Bertha Ramsey Memorial Fund for the academic year 2003-2004 and an Ephriam and Veallon Hixson Memorial Scholarship for the academic year 2003-2004.

TEACHING GRANTS

David W. Brooks, **Tiffany M. Heng-Moss**, Mimi Wickless, and Lois Mayo were awarded \$35,000 from the Eisenhower Professional Development Program for expansion of the Our Zoo To YOU program.

Marion D. Ellis received \$2,000 from Pfizer Inc. and \$2,000 from the UNL Cooperative Extension Office for Bug Bash.

John E. Foster and Connie I. Reimers-Hild were awarded a 2003 Graduate Student Recruiting Grant in the amount of \$2,500.

Leon G. Higley, Tiffany M. Heng-Moss, David W. Stanley, and Douglas A.

Golick have been awarded \$8,100 funding as part of the Enhancing Teaching and Learning at UNL Seed Grant Program. The title of the proposal was "Interactive Instruction on Plagiarism and Intellectual Ownership in Writing."

Deana M. Namuth, **Connie Reimers-Hild**, James E. Partridge, **John E. Foster**, and James W. King were awarded funding in the amount of \$25,000 from the Office of Extended Education and Outreach for their proposal, "Developing and Implementing an Advising Center for College of Agricultural Sciences and Natural Resources Distance Students."

FACULTY PUBLICATIONS

Wickless, Mimi, David W. Brooks, Amjad Abuloum, Brian Mancuso, **Tiffany M. Heng-Moss**, and Lois Mayo. 2003. Our Zoo to You. *Science and Children* 41(1): 36-39, September 2003.

DEPARTMENTAL ACCOMPLISHMENTS

Bug Bash is an outstanding outreach activity and recruiting tool for UNL and CASNR. This program provides an excellent opportunity for students in the Lincoln Public School Science Focus

Program, as well as undergraduate and graduate students at UNL, to gain valuable teaching experience to a diverse audience. This past year undergraduate participation was

increased at Bug Bash by promoting this event to students enrolled in the introductory entomology courses (approximately 75 undergraduate students participated). Featured activities at Bug Bash include cockroach racing, bee wrangling, insects in art and culture, monarch tagging, a visit to Dr. Bug's clinic, and lots of live insects to hold while learning about the planet's most successful life form. The 7th annual Bug Bash exceeded past attendance records once more with over 2,100 fourth-grade students attending the event at the Folsom Children's Zoo Wednesday through Friday, and 2,200 people attending the open session on Saturday. The program was expanded beyond Lincoln Public Schools to include the Heartland Homeschool Program and other schools in Nebraska. Marion D. Ellis and Tiffany M. Heng-Moss are the co-coordinators for this program.

Our Zoo to YOU is an outreach education program sponsored by Lincoln's Folsom Children's Zoo, the Department of Entomology, the Center for Curriculum and Instruction, and Nebraska schools that started in 2001 and was offered to 25 participating classrooms in Nebraska this year. A pilot project with the Scottsbluff Zoo and Gering Public Schools was initiated in January, 2004. This program, which targets the National Science Standards, effectively uses live animals including arthropods to teach inquiry-based science. K-12 students use the scientific method to make discoveries about living organisms, and students share data and observations with other classrooms through an interactive website. After completing this program, students are more aware of the natural world and use the scientific method to make discoveries about their

surroundings. Based on evaluation summaries: over 70% of the teachers participating in the Our Zoo to YOU program indicated that at least 75% of their students had mastered the inquiry-based approach, 82% indicated that they would continue to use live animals in the classroom as a method to teach life science concepts and science inquiry, and 74% indicated that they feel more comfortable using the steps in the scientific method.

Insect Biology Course Available for High School Students. Insect Biology is the first distance-delivered course offered to high school students for concurrent credit. This program provides eligible high school students the opportunity to enroll in a college-level course and receive college credit. Insect Biology is a distance course delivered via the Internet, allowing students throughout the United States to participate in this unique educational opportunity. The course was offered Spring 2003 and Fall 2003 to the four AG Magnet Schools (Laurel-Concord, Burwell, Nebraska City, and Mead) and the Lincoln Science Focus Program.

Bugs in the Classroom Teacher Workshops. Three "Bugs in the Classroom" workshops were presented using insects as a model organism for K-12 science instruction to over 85 educators in Scottsbluff, Kearney, and Lincoln. Based on the evaluation summaries for this workshop: 51% of the educators are more likely to incorporate science inquiry lessons using insects into their curriculum after participating in this workshop, 42% of the participants increased their content knowledge of insects, and 52% increased their knowledge of the scientific method and how to use it in the classroom. Marion D. Ellis and

Tiffany M. Heng-Moss conducted the workshops. This project was funded by an Eisenhower Professional Development Grant.

Behavioral Skills Program. Eight undergraduate students pursuing minors in Insect Science presented a series of insect-based science inquiries to students

of various age groups at the Lincoln Public School Behavioral Skills Program. This program provided the opportunity for our undergraduate students to gain practical teaching experience and exposed K-12 students to the incredible diversity that exists among insects.

*** Indicates award of national significance

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

Department Head

Stephen L. Taylor

Professors

Lloyd B. Bullerman
Susan L. Cuppett
Robert W. Hutkins

John H. Rupnow
Stephen L. Taylor
Randy L. Wehling

Curtis L. Weller
Michael G. Zeece

Associate Professors

Andrew K. Benson
Durward A. Smith

Assistant Professors

Vicki Schlegel

Recruitment Coordinator

Georgianna Whipple

FACULTY RECOGNITION

John R. Rupnow: IFT Cruess Award for Excellence in Teaching (Institute of Food Technologists)

Randy L. Wehling: 2003 Excellence in Teaching Award and American Association of Cereal Chemists Award

Curtis L. Weller: February 2004 Excellent Advisor Recognition from the UNL and College of Engineering and Technology Student Advisory Board

CONFERENCES ATTENDED

Department of Food Science and Technology: 1st Annual Food Research Symposium held on April 15, 2004 at the East Campus Union.

STUDENT RECOGNITION

Effie M. Epke: CASNR Ambassador

Ashley L. Lardizabal: IFT Undergraduate Research Paper National Competition, received third place.

SCHOLARSHIPS AWARDED

Kristin K. Ahrens: UNL Honors Textbook, UNL David Memorial Scholarship, Funded Honors Student Undergrad Research Project, Institute of Food Technologists

Alejandro Amezquita: Institute of Food Technologists, V. Duane Rath Foundation Graduate Research Fellowship, Henningsen Fellowship

Timothy W. Anderson: Canfield Administration (UNL), Oak B. Smith/Wenger Manufacturing (FDST department scholarship)

Steven L. Beckman: Lancaster County Farm Bureau Scholarship, Oak B. Smith/Wenger Manufacturing (FDST department scholarship)

Charles D. Caruso: Canfield Administration (UNL)

Kenzi JoLee Clark: Geneva State Bank Scholarship

Renee E. Domeier: Geneva State Bank Scholarship

Cara M. Fisher: Canfield Administration (UNL), Cornish Fund Scholarship

Effie M. Epke: Institute of Food Technologists (alternate), Munter Ag Ambassador Scholarship, Lancaster County Farm Bureau Scholarship, Food Science Club Scholarship

Yousef I. Hassan: Graduate Studies Fellowship (UNL), Fulbright Fellowship

Amanda M. Hoge: Cornish Fund Scholarship

Jennifer Huebner: UCARE, UNL David Memorial Scholarship, American Association of Cereal Chemists (McCormick and Company), M.E. Franks Scholarship, Institute of Food Technologists, National Dairy Promotion and Research Board, National Poultry and Food Distributors, Aid Association for Lutherans Scholarship, Cornish Fund Scholarship, Food Science Club Scholarship, Nebraska Food Industry Association Scholarship

Gregory A. Knudsen: Canfield Administration, Institute of Food Technologists, Pepsi Scholarship, National Restaurant Association Education Foundation Scholarship, Ruth Ebmeier Memorial Scholarship, Presbyterian Peace Scholarship, Security National Board Scholarship, Laurel-Concord Activity Booster Club Scholarship, Oak B. Smith/Wenger Manufacturing (FDST department scholarship)

Poi-Wah Lee: Institute of Food Technologists

Rebekah J. Lowe: A.B. Boettcher Award, Nebraska Food Industry Association Scholarship

Toluwalope Makinde: UCARE
Diana M. Miller: Canfield Administration (UNL), Lincoln Northeast Kiwanis Scholarship
Sara E. Morrissey: Institute of Food Technologists
Melissa K. Patterson: UCARE
Elizabeth A. Pfeifer: Cornish Fund Scholarship
Alison N. Rasmussen: Institute of Food Technologists (alternate)
R.M. Wajira Ratnayake: Milton E. Mohr Fellowship (ARD), Twila Herman Claybaugh Fellowship
Emily J. Richmond: UNL Regents
Rachel M. Reuss: Oak B. Smith/Wenger Manufacturing (FDST department scholarship)
Marcos X. Sanchez: Richard H. Larson Fellowship (UNL), Institute of Food Technologists
Heather M. Sasse: Cornish Fund Scholarship
Katie A. Schmitz: Oak B. Smith/Wenger Manufacturing (FDST department scholarship)
David L. Schroeder: American Association of Cereal Chemists (General

Mills), M.E. Franks Scholarship, Department of Homeland Security (U.S. Government), Institute of Food Technologists, National Dairy Promotion and Research Board, National Meat Association
Kari D. Shoef: Chi Omega Fellowship (UNL), Institute of Food Technologists, USDA National Needs Fellowship
Ryan J. Talley: Canfield Administration (UNL), Institute of Food Technologists, Oak B. Smith/Wenger Manufacturing (FDST department scholarship)
Adriana Velasquez: UCARE, Institute of Food Technologists, Oak B. Smith/Wenger Manufacturing (FDST department scholarship)
Aubrey A. Vifquain: UNL Regents, UNL Honors Textbook
Subhashinee Samudra Wijeratne: Widaman Trust Distinguished Graduate Assistant Award (ARD)
Yixiang Xu: Milton E. Mohr Fellowship, John and Louise Skala Fellowship (ARD)
Richard G. Zbasnik: New Nebraskan (UNL), Institute of Food Technologists

DEPARTMENT OF PLANT PATHOLOGY

Department Head
 Anne M. Vidaver

Professors
 Martin B. Dickman
 James R. Steadman
 Anne M. Vidaver

Associate Professors

Leslie C. Lane
Amitava Mitra
James E. Partridge
Thomas O. Powers
Gary Y. Yuen

FACULTY RECOGNITION

James E. Partridge: *Outstanding Service to International Service Award, UNL Office of Graduate Studies, for 16 years of service to the International Student Teaching Assistant Institute. Recognition of Service to Students*

Award, UNL Parents Association and UNL Teaching Council.

Loren Giesler: *Recognition of Service to Students Award, UNL Parents Association and UNL Teaching Council.*

CONFERENCES ATTENDED

James E. Partridge: National Collegiate Honors Council, presented discussion session “High School Academic Scores As Predictors of Academic Success In A Large University Honors Program?” Chicago, IL.

TEACHING GRANTS

James E. Partridge, Master of Ag Committee Chair (Plant Pathology), Deana Namuth, Distance Ed Sr. Lecturer (Agronomy and Horticulture), Connie Reimers-Hild, Lecturer and Distance Education Coordinator (Entomology), John E. Foster, Graduate Chair (Entomology), James W. King, Associate Professor (Agricultural Leadership, Education and Communication), Developing and Implementing an Advising Center for College of Agricultural Sciences and Natural Resources (CASNR) Distance Students, Extended Education and Outreach, \$25,000.

DEPARTMENTAL ACCOMPLISHMENTS

James E. Partridge: Crop Protection major revised and renamed Plant Protection Sciences. Master of Agriculture Graduate Committee

SCHOOL OF NATURAL RESOURCES

Director

Mark S. Kuzila

Professors

James R. Brandle
*Steven D. Comfort
***Patricia W. Freeman
Hugh H. Genoways
Anatoly A. Gitelson
David C. Gosselin

Kyle D. Hoagland
Kenneth G. Hubbard
Scott E. Hygnstrom
Mark S. Kuzila
James W. Merchant
Edward J. Peters

Donald C. Rundquist
Patrick J. Shea
Shashi B. Verma
Elizabeth A. Walter-Shea
Albert Weiss
Donald A. Wilhite

Associate Professors

James Alfano
Jerry F. Ayers
Xun-Hong Chen
Steven D. Harris

F. Edwin Harvey
Geoffrey M. Henebry
Qi (Steve) Hu
****Robert D. Kuzelka

Karl J. Reinhard
Joseph M. Skopp
David A. Wedin

Assistant Professors

Tala Awada
John C. Holz

Johannes Knops
Larkin A. Powell

Richard Andrew J. Tyre
C. William (Bill) Zanner

Senior Lecturer

J. Michael Jess

Lecturer

Patricia Boehner

Research Assistant Professor

Karin van Dijk

- * Promoted, effective July 1, 2004
- *** Hired into SNR, effective August 1, 2003
- **** Retired, effective June 30, 2004

FACULTY RECOGNITION

Geoffrey M. Henebry: 2003 IANR
Dinsdale Family Award for outstanding

contributions to teaching, research,
outreach

Scott E. Hygnstrom: Professor of the Month (January 2003), UNL Mortar Board, Black Masque Chapter

Robert D. Kuzelka: North American Colleges and Teachers of Agriculture Teaching Award of Merit, 2004

Edward J. Peters: 2004 Holling Family Senior Faculty Award for Teaching Excellence, College of Agricultural

Sciences and Natural Resources, University of Nebraska (peer nominated)

Larkin A. Powell: 2004 Holling Family Junior Faculty Award for Teaching Excellence, College of Agricultural Sciences and Natural Resources, University of Nebraska (peer nominated).

CONFERENCES ATTENDED

Scott E. Hygnstrom and R.M. Timm. 2003. Attitudes of university students about wildlife damage management: effects of gender, residence, and classroom experience. Tenth Wildlife Damage Management Conference, Hot Springs, AR (peer-edited paper, in press)

Larkin A. Powell: Fifth Biennial Conference on University Education in Natural Resources, Flagstaff, AZ; March 14-17, 2004. Presentation: "Course assessment in problem-based learning courses using formative, qualitative measures." (Facilitated Discussion: Abstract)

STUDENT RECOGNITIONS

Henry N. N. Bulley: NASA-MSU Professional Enhancement Awards Program travel grant to attend the 2004 US-IALE annual meeting

Greg M. Clements: UCARE Award - \$2,000 - to work with Scott Hygnstrom (second year).

Kirsten M. de Beurs: NASA-MSU Professional Enhancement Awards Program travel grant to attend the 2004 US-IALE annual meeting

Silka Finkbeiner: Wildwood Foundation Fund - \$500 - for travel to present a paper on "Avian species richness, density, and productivity among grazing systems in the Nebraska Sandhills" at the Symposium on Grassland Birds in North America, September 18-22, 2004

Chelsea Phillippe: Senior in Environmental Science, Graduate Women in Science Outstanding Undergraduate Achievement in Science, UCARE

Undergraduate Research Grant, University of Nebraska-Lincoln, 2003-2004

Ian C. Ratcliffe: 2004. Hailstreak identification and persistence using MODIS data: A case study of events in the northern Great Plains, July 2003. Ian was awarded the Best Student Poster Presentation for this poster at the ASPRS annual meeting in Denver, CO in May 2004. Using declassified intelligence satellite photographs with Quickbird imagery to study urban land cover dynamics: A case study from Kazakhstan. Ian was awarded an honorable mention for this poster at the ASPRS annual meeting in Denver, CO in May, 2004.

Mary Speer: Senior in Environmental Science, Graduate Women in Science Outstanding Undergraduate Achievement in Science

SCHOLARSHIPS AWARDED

Anthony J. Barada: Randall Schilling Scholarship
Scott Bohaty: Herman and Alice Kohrs Scholarship (\$773)
Leah J. Bomberger: Water Quality Scholarship (\$123), Herman and Alice Kohrs Scholarship (\$773)
Delia Buerstetta: Ronald M. Case Scholarship
Casey Cain: Wildwood Trust Freshman Scholarship, 2003/04
Kelly Corman: Nebraska Division Izaak Walton League (\$500)
Nicholas Dobesh: William McGeachin Memorial Scholarship (\$1083)
Kent Fricke: Wildwood Trust Sophomore Scholarship, 2003/04
Michael Gillian: William McGeachin Memorial Scholarship (\$1083)
Naoko Kobayashi: Herman and Alice Kohrs Scholarship (\$773)
Jeff D. Koch: Platte Valley Chapter Izaak Walton League (\$300)
Lisa Ann Kotas: (Roy and Sue Carlson) Izaak Walton League (\$250)
Casey Lief: Fremont Chapter Izaak Walton League (\$600)
Matthew Neukirch: Lincoln Chapter Izaak Walton League (\$500)

Kelsi Niederklein: Jessie Benton, Fremont Chapter Izaak Walton League (\$400)
Russell M. Otto: Graduate Student Fellowship - \$10,605 - Berryman Institute for Wildlife Damage Management – East; with Scott Hygnstrom
Chelsea Phillippe: Herman and Alice Kohrs Scholarship (\$773)
David Putensen: Grand Island Chapter Izaak Walton League (\$300)
Cody Roberts: CASNR Freshman Scholarship (\$600)
Matthew Rolling: Wildwood Trust Senior Scholarship, 2003/04
Jessica Schell: William McGeachin Memorial Scholarship (\$1083)
Joshua Schmidt: Nebraska Division Izaak Walton League (500)
Eton Stebbins: Wildwood Trust Junior Scholarship, 2003/04
Stacey Sticker: Donald E. and Doris L. Taylor Scholarship (\$1256)
Ryan Walrath: William McGeachin Memorial Scholarship (\$1083)
Richard Wilson: William McGeachin Memorial Scholarship (\$1083)

DEPARTMENTAL ACCOMPLISHMENTS

Patricia W. Freeman sponsored two UCARE I students: Kim Olberding, Biology Major, and Ryan Walrath, Wildlife Major.
Larkin A. Powell and **C. William (Bill) Zanner** were selected to take part in UNL's 2003-2004 Peer Review of Teaching project in Arizona. They both completed the program by constructing a course portfolio, and received a stipend for their participation.

Patrick J. Shea requested and received approval for a revision of NRES 920 (now "Xenobiotics in the Environment"). The revision included a change in title, description, and expanded cross-listings to include AGRO, ENTO, TOXI, and HORT.

Ryan Walrath: Intraspecific cranial variation, sexual dimorphism, and age determination in *Cynomys ludovicianus* (Black-tailed prairie dog) from Nebraska. Undergraduate Research

Conference, UNL. April 23, 2004.
2004-2005 CASNR Student
Ambassador from the School of Natural Resources.

DEPARTMENT OF STATISTICS

Department Head

Walter W. Stroup

Professors

Kent M. Eskridge
David B. Marx

Allan L. McCutcheon
Anne M. Parkhurst

Walter W. Stroup

Associate Professors

Stephen D. Kachman

Assistant Professors

Christopher R. Bilder
Erin E. Blankenship
Mingue Park
Min Yang

Visiting Professor

Bernhard Harris

CONFERENCES ATTENDED

Erin E. Blankenship attended an interim workshop, "Producing Engagement of Students and Faculty in Learning," UNL, January 2004.

Kent M. Eskridge and **Christopher R. Bilder** helped organize the Statistics section for the University of Nebraska-Lincoln Mathematical Science Symposium, November, 2003. This event is primarily a recruitment event. Dave Marx gave the keynote address in statistics, describing the work he and his graduate students are doing in sports statistics.

Erin E. Blankenship, Walt W. Stroup and **Steve D. Kachman** attended a Data Mining Symposium at the Annual Conference on Applied Statistics in Agriculture, Manhattan, KS, April, 2004.

Walt W. Stroup attended Round Table Discussion, "Developing an Undergraduate Program in Statistics," Biometric Society East North American Regional Meetings, Pittsburgh, PA, March, 2004.

Walt W. Stroup and **Min Yang** sat in on Bernard Harris' reading class "Statistical Methods for Risk Assessment and Counter-Terrorism," Spring Semester, 2004 (while not a traditional teaching workshop, this is an area in which we need to get up to speed because we need to include it in our future curriculum).

David B. Marx attended SAS seminar, "Tools for Teaching Data Mining," Cary, NC, July, 2004.

Anne M. Parkhurst attended the W-173 Regional Meeting on "Statistical Tools for Characterizing Heat Stress in Animals," Council Bluffs, IA, August, 2003.

STUDENT RECOGNITION

Jacqueline R. Wroughton: Nominated for Mary and Charles C. Cooper/Emma I. Sharpless Scholarship

Yi Wang: Nominated for Milton Mohr Fellowship

TEACHING GRANTS

Christopher Bilder: Big 12 Faculty Fellowship

David Marx: USDA Grant for "Optimization of Designs for Non-

Replicated Germplasm Screening Nurseries"

David Marx: Grant from the College of Dentistry for travel, \$1,000
Grant from Sree Koka, Dentistry \$500

FACULTY PUBLICATIONS

N. Legendre, M. Waltz-Hill, N.M. Lewis and **K.M. Eskridge**. 2002. Computer-assisted nutrition Education. J. Am. Dietetic Assoc. Jour. 102:1751. (J Series No. 13294)

DEPARTMENTAL ACCOMPLISHMENTS

The Department of Statistics began its existence on July 1, 2003. Academic Year 2003-2004 was the first year implementing the combined and substantially revised Biometry/Division of Statistics curriculum. This is a phased introduction. The first year we taught the new classes and worked our way through the growing pains. In our second year, we are modernizing the undergraduate introductory class, STAT 218, and introducing computing technology for the first time. A statistical graduate student will do a project, in collaboration with the Department of Educational Psychology,

to characterize the impact of the changes on student learning (especially critical and statistical reasoning) and student acceptance of the course. Statistical reasoning is a basic citizenship skill in this day and age, but our past courses have too often failed to reach students at this level.

Steve Kachman, Erin Blankenship, and Walt Stroup applied for an "Enhancing Teaching and Learning at UNL" Seed Grant (sponsored by Office of the Dean of Undergraduate Studies, the Office of Research and Graduate Studies and the Center for Science, Mathematics and Computer Education) to fund a

symposium to prepare graduate teaching assistants to teach technology-intense courses emphasizing critical thinking. Unfortunately, the proposal was not accepted, but we will keep trying.

Anne Parkhurst has been learning more about various aspects of active learning and working at adapting them to her courses.

Erin Blankenship substantially revised the graduate mathematical statistics sequence. She and Steve Kachman are working on integrating linear models and math stat so when they teach the courses next spring, there will be considerable interplay between courses. Students tend to compartmentalize these courses, but stat majors need to integrate

them. Our approach has piqued the interest of stat programs elsewhere and if Erin and Steve pull it off effectively, they plan to share their approach via presentation at stat meetings and publication in a stat teaching journal.

Dave Marx has been learning software tools for teaching data mining and will add this course to our offerings next year.

Erin Blankenship led a book discussion group for the Summer Reading Program for New Students sponsored by the Honors Program.

Chris Bilder is spearheading the effort to modernize the STAT 380 course (the key foundations course in our new statistics minor).

DEPARTMENT OF VETERINARY AND BIOMEDICAL SCIENCES

Interim Head

Rodney A. Moxley

Professors

Ruben O. Donis
Gerald E. Duhamel
Clinton J. Jones

Clayton L. Kelling
Marjorie F. Lou
Rodney A. Moxley

John A. Schmitz
Subramaniam Srikumaran

Associate Professors

Raul G. Barletta
Jeffrey D. Cirillo
Asit K. Pattnaik

Lecturer

Michael P. Carlson

Great Plains Veterinary Education Center

Gary P. Rupp, Director
D. Dee Griffin

FACULTY RECOGNITION

Marjorie F. Lou: UNL Parents Association Award Certificate of recognition for contributions to students in January, 2004

Michael P. Carlson: UNL Parents Association Award Certificate of recognition for contributions to students in January 2004; CASNR Outstanding Teaching Award, March, 2004

Dicky D. Griffin: Academy of Veterinary Consultants Outstanding Service Award for outstanding contributions to the Academy of Veterinary Consultants

John A. Schmitz: UNL Pre-Vet Club, Student Organization Philanthropy/Service Award, Finalist Outstanding Teaching Award

CONFERENCES ATTENDED

Michael P. Carlson: Teaching Workshop, University of Nebraska-Lincoln, May 17-21, 2004.

DEPARTMENTAL ACCOMPLISHMENTS

Raúl G. Barletta: Recruited one MS graduate student (H.K. Chahal; research area “alanine metabolism in mycobacteria”), Chaired Biomedical Sciences Group (Life Sciences Interdisciplinary Graduate Recruitment Program), Taught course VBMS 824 in Spring and student comments indicated high level of satisfaction (C.I.E.Q. scores Instructor 3.80, total; 3.29).

STUDENTS

STUDENT ADVISORY BOARD

**Agribusiness, Agricultural Economics,
Agricultural Education, and Agricultural**

Journalism

Kurt Arganbright

Lisa Nelson

Vicki Wray

**Agronomy, Crop Protection, Horticulture
and Professional Golf Management**

Ryan Chapman

**Animal Science, Veterinary Science,
Veterinary Technologist, Preveterinary
Medicine and Grazing Livestock Systems**

Nicole Erikson

Melissa Thompson

**Biochemistry, Food Science and
Technology, Diversified Agricultural
Studies, and Mechanized Systems
Management**

Quentin Cooksley

**Natural Resource and Environmental
Economics, Environmental Studies,
Fisheries and Wildlife, Rangeland
Ecosystems, Environmental Soil Science,
Preforestry, Water Science and
Rangeland Ecosystems**

Ryan Walrath

Returning CASNR Advisory Board

Members

Kami Marsh
Maggie Miller
Michelle Pavelka
Sean Sutherland

Adam Wacker
Travis Wolf

Advisers :

Wes Peterson, Agricultural Economics
Kim Todd, Agronomy and Horticulture

2003-2004 CASNR STUDENT AMBASSADORS

Kim Becker	Scribner, NE	Agribusiness
Effie Epke	Lincoln, NE	Food Science and Technology
Katie Frey	Albion, NE	Agribusiness
Zach Hunnicutt	Giltner, NE	Agricultural Economics
Kami Marsh	Ord, NE	Horticulture
Lisa Nelson	Bushnell, NE	Agricultural Economics
Todd Reed	Waverly, NE	Mechanized Systems Management
Adam Wacker	Hemingford, NE	Agribusiness



CASNR WEEK

Harvesting Excellence – CASNR Week for 2004 began with the Alpha Gamma Rho Barbeque on Thursday, March 25, 2004. The men of the fraternity also had the Kid's Tractor Pull for all of the big kids of CASNR.

On Friday, March 26, we had a **Fun Night** at the East Campus Rec Center, we had a pitch tournament, the Huge Embarrassing Failures Improv Group and board games for over 80 students. We thank Reshell Ray from Student Involvement, Michelle Stewart from Campus Rec and their staff for assistance with the **Fun Night**.



Our first ever **Fun Run/Walk** was held on Saturday, March 27. We had 23 students from across UNL plus 3 faculty participate in the 2 mile run/walk. Despite rainy weather, everyone enjoyed the course around east campus. We thank Michelle Stewart and Jennifer Aerni from Housing for making our **Fun Run/Walk** a success. After the **Fun Run/Walk**, we had a **Pancake Feed** in the East Campus Union. We fed over 75 people pancakes and sausage. Thanks to Gerry Van Ackeren, Jessica Dahlgren and staff at the East Campus Union for letting us use the grill area and the Union, and for Rosalee Swartz in overseeing the pancake preparation!



The **Harvesting Excellence Recognition Banquet** was held on **Sunday, March 28**. Over 400 students, faculty and parents, administrators and CASNR alumni attended the banquet. The banquet is a special time to celebrate the successes of our students and faculty, and to acknowledge the accomplishments of everyone. Our guest speaker was Senator Dave Landis.

Harvesting Excellent CASNR Week Awards are:

- ◆ Outstanding Student Organization – Agricultural Economics/Agribusiness Club
- ◆ Outstanding Student Organization Officer – Nathan Heidbrink – NU Pre-Vet Club
- ◆ Outstanding Student Organization Member – Amy Messinger – NU Pre-Vet Club
- ◆ Student Leadership Award – Kim Becker
- ◆ Student Organization Philanthropy/Service Award – Horticulture Club
- ◆ Superior Academic Advising Award – Dick Fleming – Agricultural Leadership, Education and Communication Department

◆ Outstanding Teaching Award – Mike Carlson – Veterinary and Biomedical Sciences Department



In addition to our CASNR Week awards, the CASNR Alumni Association presented special awards. Senator Roger Wehrbein received the Service Award and Ray Ward received the Achievement Award. Both awards were presented by Roger Bissell, president of the CASNR Alumni Association.



The **Undergraduate TA Recognition Luncheon** was held Monday, March 29. The luncheon served as a way to thank our undergraduate Teaching Assistants for their contribution to our CASNR students. Both TA's and the faculty member they assist were invited to the luncheon; each TA received a certificate from Steve Waller.

Community Night on Monday, March 29 was held in the East Campus Union. We invited students from Clinton Elementary, Hartley Elementary and Huntington Elementary schools as well as the students who attend the Ruth Staples Child Development Lab and the preschool students from the Barkley Learning Center. We had over 100 children and parents attend. Hot dogs, pork sandwiches, chips and drinks were served. The pork was donated by Farmland Industries and the hot dogs were donated by Fairbury Brand Meats. The Lincoln Firefighters were a big hit with the children attending; they explained the equipment to the students and talked to the students individually. The CASNR Clubs helped with the Kid's Fair and clubs had face painting, a Plinko game, golf, soccer, and many other activities. The youth who were able to participate had a great time and the CASNR Club members enjoyed working with them. Thanks to Michelle Stewart for helping provide games and prizes. We have outgrown the bottom floor of the East Campus Union and will have to move to a larger area!



Lunch on the Lawn on March 30 was held in the East Campus Union. We served over 450 hamburgers, donated by the Nebraska Beef Council, and 300 hot dogs donated by Wimmers Meats. We also served pork sandwiches donated by Farmland Industries, ice cream, chips and Pepsi products. Our lunch gets bigger each year. Thanks to Ann Marie Bosshamer from the Nebraska Beef Council for helping us serve!



The Club Advisor Luncheon was held on **Wednesday, March 31**. Steve Waller, CASNR Dean, invited advisors to the luncheon and thanked them for their time and dedication committed to our East Campus clubs. In addition to club advisors, each club was encouraged to bring a younger member who has the potential to be a future leader to attend the luncheon and introduce the adviser to the rest of the group.

The overall numbers of students, faculty, staff, alumni and community members was outstanding, far surpassing our expectations. The co-chairs: Amber Holl from Gibbon, NE, Lydee Jo Brown from Oxford, NE, and Jonie Garwood from Central City, NE, did an excellent

job. All committee chairs for individual events also did an outstanding job and we thank the leaders of our campus. We also thank the Office of Student Involvement and Reshell Ray and staff, Campus Recreation and Michelle Stewart and staff, UNL Housing and Jennifer Aerni and staff, and the East Campus Union and Gerry Van Ackeren and staff for partnering on so many of our events!

ACHIEVEMENT, COMMITMENT, AND EXCELLENCE (ACE) LEARNING COMMUNITY

The prospect of being a freshman student at a university of over 26,000 can be daunting, to say the least. CASNR, however, has started a learning community program called “Achievement, Commitment, and Excellence,” or ACE, to help freshman during this crucial first year. The program, now in its seventh year, is a opportunity before the start of classes in the fall to acquaint the students with each other, and participate in numerous activities during the school year, including two leadership development classes, community service activities, field trips, and regular meetings. ACE students have testified that the program has made a positive impact in their first year’s studies, and helped them make a smooth transition from high school to college, as demonstrated by the 95 percent freshman-to-sophomore retention rate over the last two years. The following students participated in ACE during the 2003-2004 academic year.

Amy Bell
 Betsy Bloss
 Geoff Bray
 Todd Burda
 Katie Busch
 Eric Ehlers
 Steve Fleer
 Jeanine Frey
 Jennafer Glaesman
 Luke Goff
 Beth Griess
 Gary Gunnar
 Kaylene Harms
 Kurtis Harms
 Bonnie Hassler
 Becca Heilman

Krista Holstein
 Adriel Husereau
 Brynn Husk
 Sarah Joy
 Andrew Kabes
 Jill Klepper
 Eric Landon
 Siobhan Marvin-Kriegler
 Megan McElfresh
 Nic Mosel
 Craig Nelms
 Daniel Olsen
 Ashley O’Neil
 Megan Payne
 Kurt Petersen
 Jessica Peterson

Beth Pfeifer
 Justin Pieper
 Jennie Pieken
 Ashley Poulas
 Steve Prince
 Jessica Ritter
 Kylie Roundtree
 Sara Schleusser
 Becky Small
 Jackie Snyder
 Josh Stark
 Ryan Talley
 David Waller
 Sarah Witte



GRADUATE WOMEN IN SCIENCE

The Graduate Women in Science Program recognizes outstanding undergraduate achievement in all areas of science.

2004 Honorees:

Agricultural Economics

Kimberly Bristol
Anneke Gustafson
Cheryl Halstead
Amber Holl
Charlene Kastanek
LeAnn Kriete
Jessica McCall
Corrina Oltmans
Chandra Ruff
Nicole Scheideler
Lacy Teten
Jennifer Witte

Agricultural Leadership, Education and Communication

Julia Hales
Amanda Mortensen
Lyndsey Volkmer
Michelle Wilson

Dean's Office

Chantal Afuh
Veronica Butts
Jenilee Negley

Veterinary and Biomedical Sciences

Yuko Mori

Agronomy/Horticulture

Jessie Braszko
Ashley Colglazier

Chelsea Gehring

Animal Science

Adrienne Auch
Ashley Batie
Leshia Eggers
Sarah Heidzig
Jennifer Ingwerson
Lisa Kot
Lisa Kotas
Ashley Lewis
Renee Minary
Megan Peterson
Melissa Senf
Rachel Spatz
Beth Tieszen
Jessika Uden

Diversified Agricultural Studies

Stacey Bohling
Nicolette Brenton
Sara Daily
Katie Deerson
Audrea Gutsche
Brooke Runyan
Sandra Schaeffer
Mary Speer
Sheri Svehla

Food Science and Technology

Jennifer Huebner
Rebekah Lowe

SHADES OF LEADERSHIP ACADEMIC RECOGNITION

Chantal Afuh
Meredith Cruz
Beatriz Diaz
Sean Elliott
Nichelle Ferdinand
Lynne Jacobs
Kristin Lautenbach

Karen Lee
Rachel Manske
Leah Paulsen
Carlin Richert
Seuri Taruru
Matthew Woerner

LEADERSHIP COUNCIL

The Leadership Council is composed of the presidents of each CASNR club, the adviser for the clubs, representatives of fraternities, sororities, and residence halls, the CASNR Advisory Board members and the CASNR Ambassadors. The Leadership Council plays a crucial role in coordinating student organization activities on campus; they serve as a liaison to the IANR Vice Chancellor and support CASNR recruitment.

This past year, the Leadership Council participated in special training for presidents, treasurers and advisers. Steve Waller hosted the meeting and Don Holdegraver from Operations at UNL spoke about the importance of accurate records for the treasurer. Representatives from ASUN, Student Involvement, the East Campus Union and CASNR presented information for all attending. It was an excellent way to start the year.

Most of the CASNR clubs were at the Club Fair during the Welcome Back Event that was held on Thursday, August 28, 2003. The Club Fair followed the CASNR Adviser Advantage program.

The Leadership Council was also very involved with CASNR Week for 2004, the clubs provided games for over 100 youth from surrounding schools. The elementary students had a great time playing games, winning prizes and interacting with our students. The Leadership Council also helped with the Club Fair held during the State FFA Convention.

GAMMA SIGMA DELTA

Student Scholarship Recognition Reception

Gamma Sigma Delta, an agricultural honor society, recognizes sophomores, juniors, seniors, and graduate students who have excelled academically in the College of Agricultural Sciences and Natural Resources. A scholarship reception and dinner is held annually to recognize these students.

Gamma Sigma Delta New Undergraduate Members:

Maria Becker
Raela Gadeken
Michelle Garwood
Jennifer Huebner

Zachary Hunnicutt
Ty Knispel
Sarah LaPatka
Yuko Mori

Becky Pigsley
Adam Wacker
Nicholas Willis

New Graduate Student Members:

John Colemand
Guillermo Gargantini

John Malin
Sasi Maliphan

Juliati Rahajeng

Nebraska Chapter Officers:

President: Terrance Riordan
President-elect: Kevin Meyer
Secretary: Fayrene Hamouz

Treasurer: Keith Glewen
Historian: DeLynn Hay
Membership Coordinator: David Keith

STUDENT ORGANIZATIONS

AGRICULTURAL ECONOMICS/AGRIBUSINESS

President: Jennifer Witte
Vice President: Jessica McCall
Secretary: Charlene Kastanek
Treasurer: Amber Holl
Historian: Becca Riese
Community Service Chair: Ryan Betka
Fundraising: Ross Cone
Social Chair: Mallorie Wilken
Membership Chair: Cheryl Halstead
Protégé Chair: Nicole Scheideler and Lisa Hofmann
Trip Chair: Cody Lashley
Quiz Bowl: Zach Hunnicutt
Advisors: Darrell Mark and Amalia Yiannaka
Number of Members: 59

Purpose/Goal:

To stimulate interest among University of Nebraska-Lincoln students in Agricultural Economics, Agribusiness and its related fields, to develop a spirit of cooperation and mutual helpfulness among students and faculty, to provide leadership opportunities and training, to provide an opportunity for wider acquaintances with professionals in

Agricultural Economics, Agribusiness and their career activities.

Conference:

- 2003 Quiz Bowl Competition – Montreal, Canada

Fundraising:

- Bob Devaney Center Clean-Up
- Sold Departmental of Agricultural Economics polos to faculty and staff

Field Trip:

- 2003-04 Club Trip to Iowa – Visited John Deere and Wells Blue Bunny

Community Service:

- Biannual Roadside Pick-Up
- Volunteered at F. St. Community Center and Northeast Family Center – provided agricultural learning activities for elementary age children
- CASNR Week Community Night

Other Activities:

- Protégé Banquet
- Ag Econ Department Chili Feed
- OSU Game-Day Visit
- Beginning of the Year Kick-Off Picnic
- Big Red Welcome
- Welcome Back Event
- End of the Year Picnic
- FFA Club Fair

Awards:

- Club was recognized at CASNR Week Banquet for Outstanding Student Organization
- Cody Lashley: Multi-year scholarship
- Renee Minary: New Member Scholarship
- Jennifer Witte: Multi-year scholarship

AGRICULTURAL EDUCATION**Co-Director:** Lyndsey Volkmer**Co-Director:** Michelle Demerath**Treasurer:** Penny Olson**Secretary:** Julia Hales**Community Development Chair:** Jessica Hermansen**Club Development Chair:** Priscilla Powers**Career Development Chair:** Kyla Wize**Advisor:** Dr. Dann Husmann**Number of Members:** 33**Purpose/Goal:**

Our mission is to support and help prepare individuals who plan on entering a career related to agricultural leadership, education and communications through professional development. We also strive to serve communities with whom we interact.

Conferences Attended:

- National Alpha Tau Alpha Convention in Louisville, KY

Fundraising Events:

- Career Development Event T-shirt sales
- Popcorn sales during State FFA Convention Dance

Community Service:

- Lincoln Buddy Walk
- Highway trash pick-up
- CASNR Week Community Night

Awards given:

- Most Active First-Year Member
- Outstanding Advisor Award
- Outstanding Officer

Other Activities:

- State FFA Convention Career Fair
- AgLEC Appreciation Day Breakfast
- State Range Judging
- State Envirothon Contest
- Annual ALEC Banquet

AGRONOMY**President:** Chase Sauder**Vice President:** Ashley Colglazier**Treasurer:** Jenni Westerberg**Recording Secretary:** Cole Anderson**Corresponding Secretary:** Kevin Keller**Historian:** Keith Tighe**Assistant Treasurer:** Mike Flyr**Advisors:** Chuck Francis and Dan Walters**Number of Members:** Approx. 25**Purpose/Goal:**

To broaden the education, knowledge, and experiences of members, to educate the public and prospective students about the

Agronomic profession, to foster professional relationships with people in the industry and provide community service to the college and community.

Conferences Attended:

- Regional Agronomy/Soils Club meetings
- National Agronomy/Soils Club meetings

Field Trips:

- Industry field trips

Fundraising Events

- Sold Sweet Corn
- Sold Nebraska Unlimited Cards

Community Service:

- CASNR community events
- Burr Hall Bull Fry

Other Activities:

- Bi-weekly meetings with industry speakers
- Pizza meetings
- Bowling
- Kick-off picnic
- Holiday and End-of-year get-togethers

Awards:

- Officer of the Year
- Initiate of the Year
- Member of the Year

BLOCK AND BRIDLE

President: Aaron Fehringer

Vice President: Matt McGraw

Secretary: Vicki Wray

Treasurer: Rob Smith

News Reporter: Kami Marsh

Marshall: Ashley Lewis

Assistant Marshall: Ryan Walrath

Historian: Kimberly Becker

Assistant Historian: Jessika Uden

Ambassador: Ashley Batie and Nick Weinrich

Social Chair: Adam Hamling

Program Chair: Genna Frenzen

Freshman Advisor: Brett White

Junior Advisor: Rick Rasby

Senior Advisor: Rosie Nold

Purpose/Goal: To promote a high scholastic standard among students of animal husbandry, to promote animal husbandry, especially all phases of student animal husbandry work in colleges and universities, and to bring about a closer relationship among the men and women pursuing some phase of animal husbandry as a profession.

Convention:

- National Convention – San Antonio, TX, March, 2004

Community Service:

- Beef Pit at the Nebraska State Fair, August, 2003
- Kid's Day, November, 2003

Fundraising Activities:

- Steak Fry, September, 2003
- Big Red Beef Show, March, 2004

Other Activities:

- Big Red Welcome, August, 2003
- Little Aksarben, October, 2003
- Holiday Gathering, December, 2003
- Little Market Animal Evaluation Contest (MAEC), March, 2004
- Agricultural Education Career Development Events, April, 2004
- Honors Banquet, April, 2004

Awards:

- Jamie Baumann: Don Geweke Award
- Kimberly Becker: 4th Place Annual Report
- Kristina Holt: Outstanding Senior Scholarship
- Drew Miller: Don Geweke Award
- Aaron Naber: Honorable Mention in National Outstanding Junior Scholarship, Don Geweke Award,

Mike Cull Award, Outstanding Senior Scholarship

- Matt Porter: Outstanding Initiate
- Jessika Uden: Outstanding Sophomore Activities
- Nick Weinrich: Senior Workhorse
- Vicki Wray: Outstanding Junior Activities, Outstanding Junior Scholarship

EQUESTRIAN TEAM

President: Jenny Ingwerson

Vice President: Abbie Grossnicklaus/Tara Swanson

Secretary: Meghan Piepho

Treasurer: Courtney Smith

Team Captain: Emily Brabec

Advisors: Libby Lugar

Number of Members: 25-30

sportsmanship, team enthusiasm and horsemanship.

The UNL Equestrian Team serves as a show host for the Intercollegiate Horse Show Association during both the fall and spring semesters. Students from 11 other colleges come to UNL to compete.

Purpose/Goal:

The UNL Equestrian Team is a group of horse enthusiasts interested in competing within the Intercollegiate Horse Show Association. IHSA, Inc. was established with the purpose of promoting competition for riders of any skill level regardless of financial status. Students compete individually and as teams at both Regional and National levels. For all who take part, these IHSA competitions develop

Special Recognition:

- Jennifer Ingwerson: Regional Qualifier, Most Valuable Team Member
- Jessica Koelsch: Regional Qualifier
- Lindsey Salestrom: Regional Champion, Zone Champion, Reserve National Champion
- Courtney Smith: Regional Qualifier
- Danielle Smith: Reserve Regional Champion, Zone Qualifier, Most Improved Rider

MECHANIZED SYSTEMS MANAGEMENT

President: Quentin Cooksley

Vice President: Heath Vogt

Secretary: Dan Minarick

Treasurer: John Novak

Scribe: Ross Havlat

Advisors: Bill Campbell and Dean Eisenhauer

Number of Members: 30

Purpose/Goal: Our purpose is to serve as a professional social organization for all MSYM or BSE majors.

Conference:

- American Society of Agricultural Engineers

Events:

- CASNR Week/Alpha Gamma Rho Pedal Tractor Pull Nebraska
- State FFA Mechanized Ag. Contest during Nebraska State FFA convention
- Quarter Scale tractor pulling team

NATIONAL AGRI-MARKETING ASSOCIATION**President:** Rachel Janousek**Vice President of****Communication/Membership:** Katie Frey**Vice President of Fundraising /Treasurer:**

Nicole Scheideler

Secretary/Annual Report: Kimberly

Becker

Marketing Chair: Micky Wilson**Promotions Chair:** Tiffany Minnick**Career Chair:** Jerad Hutchens**Advisor:** Matt Spilker**Number of Members:** 22**Purpose/Goal:**

Vision Statement:

The National Agri-Marketing Association serves the food and fiber industry, focusing on our members' professional development through providing access to solutions and opportunities in agriculture.

Goals:

1. Improve the club's overall marketing plan for competition.
 - a. Split the marketing plan into different parts and have a committee for each section
 - b. Each committee will have all its research completed by Thanksgiving break
 - c. The Marketing Chair will have a meeting every Monday during the months of November and December to discuss the marketing plan
2. Improve annual report.
 - a. Secretary/Annual Report Chair will split the annual report into sections and have a committee or officer for each different section
 - b. Complete pages from last year's competition and other pages that can be completed by semester break
 - c. Have a good draft copy of annual report by January 31, 2004 so it can be reviewed for errors
3. Improve professional development.
 - a. Continue Interview and Resume Workshop
 - b. Continue Employee Discussion Panel
 - c. Begin Mentoring Program with professionals
4. Increase fundraising.
 - a. Existing Sponsorship
 - i. Increase list of sponsoring companies
 - b. Add a new fundraiser
 - i. Club will raise over \$500 of its own funding for national competition through its members
 - ii. Club will sell Unlimited Cards and each member is required to sell at least 5 cards
 - iii. The club will receive 50% profit from the sales of the Unlimited Card
- d. Have a good rough draft by Christmas for Midlands Chapter critique in January

5. Improve overall communication.
 - a. Have at least 4 guest speakers during the school year
 - b. Each member will attend at least 2 Midlands Chapter Professional meetings
 - c. Increase public relations by attending classes to promote the organization
 - d. Have weekly announcements sent to all College of Agricultural Sciences and Natural Resources students about our club
 - e. Have articles published in the National and Midlands Chapter newsletter
 - f. Have articles in Institute, College, and Department publications
6. Improve membership
 - a. Target freshmen students
 - b. Increase overall attendance and participation in functions

Conferences Attended:

- Attend Agri-Marketing Conference and Trade Show in Kansas City

Field Trips:

- Students traveled to the Agricultural Research and Development Center-Ithaca to learn about the prawn production research being conducted. The club this year marketed prawns for national competition.

Fundraising Events:

- Sold Unlimited Cards and company sponsorship

Awards (given and received):

- Placed 2nd in the outstanding chapter competition at nationals
- Won the Chapter Improvement Award for Communications
- Second consecutive top ten finish in the annual report competition
- Bonnie Hassler: In only her freshman year, became the UNL chapter's fourth national scholarship recipient
- After being nominated by the UNL student chapter, the Midlands Chapter has been named Outstanding Professional NAMA Chapter for 2004

Other Activities:

- Resume/Interview Workshop
- Got Work?" Discussion Panel
- Student Mentor Program

UNL PRE-VETERINARY

President: Leann Wright
Vice President: Nathan Heidbrink
Secretary: Becky Woolard
Treasurer: Mimi Sonderegger
Program Coordinator: Kristina Holt
Public Relations: Abby Obermiller
Public Service: Pam Fry
Historian: Becky Pigsley
Committee Head: Beth Kilzer, Michelle Pavelka, Angie Shemek

New Member Representative: Jason Peiper, Carol Sutton
Advisor: Henry Cenry
Number of Members: 75

Purpose/Goal: Maintain and increase the interest of college students pursuing the pre-professional course of study of veterinary medicine by:

- A. Inviting speakers involved in the different fields of veterinary medicine to speak at regular meetings of the organization.
- B. Acquainting members with the varied aspects of veterinary medicine and allied animal health by allowing interaction with the faculty and staff of the Department of Veterinary and Biomedical Sciences.
- C. Acquainting the members with the professional veterinary colleges and the requirements of each.
- D. Bringing about a closer relationship among students pursuing some phase of veterinary medicine as a profession.

- Letters sent out for donations
- Penny wars were held at each spring meeting allowing the club to raise money to adopt a saw-whet owl from the Nebraska Raptor Recovery Program

Field Trips:

- Great Plains Veterinary Educational Center (GPVEC) in Clay Center
- Omaha Humane Society
- Pfizer
- Crete Veterinary Clinic
- Kansas State Open house
- ISU symposium
- American Pre-Veterinary Medical Association's annual symposium

Community Service:

- Nebraska State Fair Birthing Pavilion
- Capital Humane Society's Tails N' Trails
- UNL Homecoming blood drive
- A giving tree was set up to raise money for Dr. Arnold's low cost spay and neuter clinic.
- A stuffed animal drive took place in December and all donations went to needy children.

Social Events:

- Welcome Back Picnic that enabled new members to get to know old members and also gave faculty and staff from the Department of Veterinary and Biomedical Sciences a chance to introduce themselves.
- Holiday Social
- Bowling
- Ice-skating
- Intramural soccer

Fundraising:

- Raffle tickets sold at the state fair
- Dog washes at Petco (twice)

RANGE MANAGEMENT

President: Jessica Warner

Vice President: Tim Roggasch

Secretary: Chris Skrdla

Treasurer: Gabe Schnuelle

2004 Public Relations: Elisha Greeley

Advisor: Walt Schacht

Number of members: 15

Purpose/Goal: To promote the understanding and enhancement of rangeland resources in our area of the world.

Conferences:

- Attended the Society for Range Management (SRM) Annual Meeting in Salt Lake City in January, 2004

- Attended the Nebraska Section Annual Meeting of SRM in Kearney in October, 2003

Field Trips: Club members organized and attended field trips to: grass-based dairies in northeastern Nebraska, Stock Seed Farm near Murdock, Nebraska, and the Center for Great Plains Study on City Campus.

Group Activities:

- Coordinated and promoted the UNL Career Expo Night for students in Natural Resource Sciences
- Hosted the Senior Recognition Banquet of the Range Management and Agronomy Clubs (April)
- Participated in the annual joint picnic of the Range Management and Agronomy Clubs
- End-of-year party for Range Club members

Fundraising Events:

- Crazy Auction at the Nebraska Section Society for Range Management Annual Meeting in October
- Chili Feed in Lincoln (February)
- Pancake Feed in Lincoln (March)

Community Service:

- Assist with the FFA State Convention.

Awards:

- Nick Haack: Trail Boss Award
- Kort Kemp: CASNR Week Member Nomination
- Tim Roggasch: CASNR Week Officer Nominations
- Walter Schacht: CASNR Week Advisor Nomination
- Jessica Warner: CASNR Week Officer Nominations

WILDLIFE CLUB

President: Zach Cunningham
Vice President: Kent Fricke
Treasurer: Delia Buerstetta
Secretary: Tara Anderson
Public Relations: Tony Barada

Advisors: Howard Wieggers, Ron Case, Ed Peters and Larkin Powell

Awards:

Delia Buerstetta: Wildlife Club Outstanding Student Award

HONORS

CHANCELLOR'S SCHOLARS

Students honored as Chancellor's Scholars have earned A's on all of their graded work at the University of Nebraska-Lincoln and all other post-secondary institutions attended by the student during his or her academic career. At least 42 hours must have been earned at the University of Nebraska-Lincoln.

Trent Blare, Agricultural Economics

Anthony Dowling, Agribusiness

SUPERIOR SCHOLARS

Students honored as Superior Scholars are graduating seniors who have attained a standing in the upper three percent of their college or have been on the honors list since matriculation as freshmen. These students must have completed at least 42 hours at UNL. Because these students have not maintained all A's in courses taken at other post secondary institutions, they do not appear on the Chancellor's Scholars list.

Jonathan Anderson
Renee Baack
Anthony Barada
David Borer
Kimberly Bristol
Benjamin Britten
Ashley Colglazier
Andrew Fiala
Julia French
Benjamin Fullner
Michael Hansen
Sarah Heidzig

Matthew Hindley
Abby Hird
Kristina Holt
Brenton Hopkins
Jennifer Huebner
Ryan Kolarik
Annthie Kramer
Jill Kruger
Kim Miller
Margaret Miller
Matthew Neukirch
Melissa Patterson

Becky Pigsley
Matthew Rolling
Nicole Scheideler
David Schroeder
Maria Sonderegger
Jordan Spatz
Justin Stiers
Brock Thorberg
Nicholas Woods
Rebecca Woolard
Leann Wright

4.0 HIGH SCHOLARS

Students recognized as 4.0 High Scholars have earned all A's in their course work at the University of Nebraska-Lincoln. Honored juniors and seniors must have completed 42 hours at UNL, sophomores 28 hours, and freshmen 12 hours. Freshmen, sophomore, and junior students must have completed 12 hours during the first semester. Seniors must have completed nine hours.

Freshmen

Donna Michelle Bader
Elizabeth Dawn Bloss
Casey Richard Cain
Jeffry Robert Faimon
Elizabeth M. Farrow
Jeanine Louise Frey
Jennafer Marie
Glaesemann

Jeffrey Michael Hoover
Kathryn Elizabeth Jess
Sarah Lynn Joy
Andrew Joseph Kabes
Ross Andrew Miller
Justin Daniel Pieper
Jessica Danielle Ritter
Sara Beth Schuessler

Rebecca Marie Small
Carol Ann Sutton
Abby Leigh Van Hoef
Josie Ann Waterbury
Hiroko Yoshida

Sophomores

Ryan Gene Betka
Amy Beth Ebeler
John Charles Krohn

Kurtis R. Mann
Kayla Rae Thorson

Juniors

Abby Dawn Obermiller

Seniors

Trent Duane Blare

Anthony Allen Dowling

Rik Rimel Smith

HIGH SCHOLARS

Students recognized as High Scholars have a cumulative grade point average of 3.6 or higher.

Freshmen

Levi Marcus Adam
Nathan Alan Brabec
Todd James Burda
Renee Elaine Domeier
Neal Anthony Ely
Danielle Lee Gage
Beth Ann Griess
Kaylene Ann Harms
Bonnie Lou Hassler
Rebecca Marie Heilman
Ashley Lynn Hejny
Brynn Amanda Husk
Pamela Ann Karakusis

Kelsey Leigh Kerwin
Landon Roy Kleebe
Tamra Cathleen Knorr
Gregory Andrew Knudsen
Paul Kupke
Casey Joe Leif
Colleen Elizabeth Lindberg
Amy Loree Martin
Megan Jo McElfresh
Drew Tyler Miller
Isaac Ivan Mortensen
Jung Eun Park
Kurt David Petersen

Jessica Ruth Peterson
Jennie Marie Pieken
Tara Renae Ruenholl
Trevor Lane Schmidt
Christopher Lawrence Skrdla
Joshua Jayd Stark
Sara Marie Stepan
Stephanie Alice Swearngin
Andrew Peter Sweeney
Ryan Joseph Talley
Nickolas Perry Van Newkirk
Rachael Marlin Wells
Richard D Wilson

Sarah Marie Witte

Sophomores

Cole Andrew Anderson
Michael John Burgert
Caressa Brianna Cantrell
Elisabeth Ann Chretien
Kenzi JoLee Clark
Jesse Lee Cox
Michelle Marie Demerath
Sara Leanne Duhachek
Lesha Marie Eggers
Shaundra Lana Eichstadt
Tracy Jo Hadenfeldt
Cody Jean Hankins
Nicole Cherie Hanson
Natalie Carver Hart
Ross Alan Havlat

Nathan Lee Jacobitz
Aaron Nicholas Jensen
Elizabeth Marie Keep
Adam Lee Krause
Brian Lynn Krause
Nicole Marie Leiser
Paul Benjamin Luebbe
Sarah Jean Mack
Craig Stephen Marsh
Jill Renee Misar
Nicholas Adam Molacek
David Timothy Orr
Andrew Darrel Osten
Laura Elizabeth Painter
Ryan Andrew Pekarek

Jason Bradley Pieper
Sarah Jane Placke
Shane A. Potter
Nathan John Schole
William Charles Score
Allan Fredrick Steinkraus
Ryan Jay Sukraw
Joshua Reynold Thoendel
Brian Andrew Tubbs
Jessika Mae Uden
Aubrey Ann Vifquain
Ryan Daniel Walrath
Mallorie Faith Wilken

Juniors

Kristin Kathleen Ahrens
Jordan James Bader
Ashley Kyle Batie
Kylie Jeannine Bearnese
Christopher John Borman
Bob Benjamin Buckley
Leslie Renae Burchell
Craig Allen Burda
Jessica Mae Burke
Rebecca Leigh Chain
Kossivi M Emmanuel Dantey
Derek Richard Drost
Effie Marie Epke
Anthony Roger Fehr
Pamela Rae Fry
Chelsea Lynne Gehring
Anneke Lee Gustafson
Jennifer Erin Haas

Cheryl Ann Halstead
Jason P. Hamata
Jeffrey David Heinrich
Jennifer Ann Ingwersen
Sabrina Ellen Jansma
Libby Deine Johnson
Charlene A. Kastanek
James Patrick Keblesh
Lisa Christine Kot
Lisa Ann Kotas
Melanie Emilie Kouma
LeAnn Lyn Kriete
Meggan Lea Kroeker
Whitney Rose Kumm
Karen Jisun Lee
Ashley Alyson Lewis
Jessica Lynn McCall
Darci Anne McGee

Renee Jolyn Minary
Nathan Dale Mueller
Leah Camille Paulsen
Edwin Arthur Pearson
Ashley Elizabeth Robison
Adam Jeffrey Rogers
Holly Christine Samson
Jessica Erin Schell
Melissa Joy Senf
Kile Douglas Smith
Rachel Anne Spatz
Stacey Ann Stricker
Jennifer Sue Timm
Lyndsey Anne Volkmer
Jennifer Elizabeth Witte
Richard Gregory Zbasnik

Seniors

Jonathan Micheal Anderson
Renee Darlene Baack
Anthony Joseph Barada

Kevin Arle Beavers
Jonathan Gilbert Becker
Mindy Lynn Boehr

David James Borer
Kylie Renee Brand
Kimberly Ann Bristol

Benjamin Joseph Britten
Delia Marie Buerstetta
Megan Marie Cada
Cody Daniel Carlson
Ashley Marie Colglazier
Andrew Fiala
Julia Renee French
Genna Mae Frenzen
Benjamin Michael Fullner
Aine Marie Gianoli
Kristina Ann Goings
Paul Leigh Guenther
Michael Lee Hansen
Sarah Lynn Heidzig
Matthew Robert Hindley
Abby Jane Hird
Andrew William Hock
Kristina Ann Holt
Brenton Jeffrey Hopkins
Jennifer Lynn Huebner
Zachary John Hunnicutt
Anthony Scott Jensen
Justin Victor Jensen

Ty Allen Knispel
Patrick James Koenig
Ryan Joseph Kolarik
Annthie Nicole Kramer
Jill Marie Kruger
Sarah Noelle LaPatka
Cody James Lashley
Poi Wah Lee
Derrick Dean Leyden
Jesse Aaron Luebbe
Kim Yvonne Miller
Margaret Louise Miller
Yuko Mori
Gibson Nene
Matthew Anthony Neukirch
James Arthur Newman
Melissa Kay Patterson
Michelle Marie Pavelka
George Fredrick Petersen
Megan Mae Peterson
Chelsea Elaine Phillippe
Tonya Ann Pick
Becky Lynn Pigsley

David Adam Putensen
Matthew Martin Rolling
Chandra Ariel Ruff
Brooke Chantelle Runyan
Chase William Sauder
Nicole Amelia Scheideler
Gretja Lea Schnell
David Lee Schroeder
Jonathan Douglas Sellenrick
Maria Elizabeth Sonderegger
Jordan Mitchell Spatz
Shawn Lee Speidel
Soren Richard St. Denis
Justin James Stiers
Brock Roth Thorberg
Adam Matthew Wacker
Travis Lee Wegner
Michael Joseph Wehrman
Scott Allen Wellensiek
Nicholas Taylor Woods
Rebecca Lynn Woolard
Leann Nicole Wright
Cole Thomas Zentner

MORTAR BOARD

Emily Buescher: 2003 Animal Science graduate, was awarded a Mortar Board National Foundation Fellowship in the amount of \$2,000.

ALPHA ZETA HONORARY FRATERNITY

Alpha Zeta is an honorary and professional fraternity of men and women whose educational objectives and/or careers are related to the field of agriculture. Founded at The Ohio State University on November 4, 1897, it is the oldest fraternal organization in agriculture. One objective of the Fraternity is to develop leadership, fellowship and character among its student members. Academics, leadership and character continue to be the criteria used to determine student eligibility to join Alpha Zeta.

2003-2004 Alpha Zeta members:

Chantal Afuh, Biochemistry
Kurt Arganbright, Agricultural Economics
Adrienne Auch, Animal Science
Ashley Batie, Biochemistry
Kylie Bearnes, Biochemistry
Trent Blare, Agricultural Economics

Karen Bloomquist, Animal Science
Elizabeth Bloss, Agribusiness
Leslie Boeckenhauer, Animal Science
Mindy Boehr, Biochemistry
Kristi Boswell, Agricultural Economics
Alex Brandes, Agribusiness

Karl Brauer, Agronomy
 Craig Burda, Animal Science
 Casey Cain, Fisheries and Wildlife
 Kelly Corman, Fisheries and Wildlife
 Nicholas Dobesh, Environmental Studies
 Lesha Eggers, Animal Science
 Randall Endorf, Mechanized Systems
 Management
 Effie Epke, Food Science and Technology
 Katherine Frey, Agribusiness
 Pamela Fry, Veterinary Science
 Raela Gadeken, Agribusiness
 Mollie Grim, Animal Science
 Anneke Gustafson, Agricultural Economics
 Cheryl Halstead, Agribusiness
 Nicole Hanson, Veterinary Science
 Kaylene Harms, Biochemistry
 Kurtis Harms, Agricultural Journalism
 Nathan Heidbrink, Veterinary Science
 Jeremy Horst, Agribusiness
 Jennifer Huebner, Food Science and
 Technology
 Zachary Hunnicutt, Agricultural Economics
 Sabrina Jansma, Animal Science
 Justin Johnson, Horticulture
 Charlene Kastanek, Agribusiness
 Elizabeth Keep, Horticulture
 Kevin Keller, Agronomy
 Eric Knobbe, Agribusiness
 John Krohn, Agronomy
 Nicole Leiser, Horticulture
 Ashley Lewis, Animal Science
 Derrick Leyden, Agribusiness
 Paul Luebbe, Agribusiness
 Elizabeth Maricle, Animal Science
 Jessica McCall, Agribusiness
 Jill Misar, Horticulture
 Sara Morrissey, Food Science and
 Technology
 Nathan Mueller, Agronomy
 Aaron Naber, Animal Science
 John Novak, Mechanized Systems
 Management

Abby Obermiller, Veterinary Science
 Megan Peterson, Animal Science
 William Pohlmeier, Animal Science
 Shane Potter, Agribusiness
 Rachel Reuss, Food Science and
 Technology
 Rebecca Riese, Agribusiness
 Jessica Ritter, Horticulture
 Chandra Ruff, Agricultural Economics
 Chase Sauder, Agronomy
 Sandra Schaeffer, Diversified Agricultural
 Studies
 Megan Schmidt, Veterinary Science
 Nathan Schole, Diversified Agricultural
 Studies
 Melissa Senf, Animal Science
 Mikaleh Shultz, Veterinary Science
 Maria Sonderegger, Veterinary Science
 Rachel Spatz, Animal Science
 Todd Spohn, Agricultural Education
 Allan Steinkraus, Mechanized Systems
 Management
 Sara Stepan, Animal Science
 Lacy Teten, Agribusiness
 Melissa Thompson, Veterinary Science
 Kayla Thorson, Horticulture
 Jennifer Timm, Horticulture
 Jessika Uden, Animal Science
 Lyndsey Volkmer, Agricultural Education
 Adam Wacker, Agronomy
 Chelsey Wasem, Horticulture
 Josie Waterbury, Animal Science
 Susan Weber, Horticulture
 Michael Wehrman, Agribusiness
 Jennifer Witte, Agribusiness
 Daniel Wondercheck, Agribusiness
 Vicki Wray, Animal Science
 Richard Zbasnik, Food Science and
 Technology
 Cole Zentner, Mechanized Systems
 Management

STUDENT-ATHLETE ACADEMIC RECOGNITION AWARDS

Honors (GPA of 3.000-3.499)
High Honors (GPA of 3.500-3.749)
Highest Honors (GPA of 3.750-4.000)

Emily Becker, Swimming and Diving, *High Honors*
Chelsea Gehring, Golf, *Highest Honors*
Pamela Karakusis, Soccer, *High Honors*

Kurt Mann, Football, *Highest Honors*
Jeff McBride, Football, *Honors*
Joey Robison, Football, *High Honors*
Mike Stuntz, Football, *High Honors*

DEAN'S LIST

Each semester, students having a minimum of 12 semester graded hours with a minimum grade point average of 3.75 or above are eligible for the Dean's List. (* means the student received a 4.0) These students have put a tremendous amount of work into their studies, and should be commended for their efforts.

FALL 2003

Levi Adam, Fisheries and Wildlife
Kristin Ahrens, Food Science and Technology
Jonathan Anderson, Animal Science
Renee Baack, Biochemistry
*Donna Bader, Veterinary Science
*Dustin Bailey, Horticulture
Julie Baker, Horticulture
*Anthony Barada, Fisheries and Wildlife
Jonathan Becker, Mechanized Systems Management
Matthew Beckman, Mechanized Systems Management
*Ryan Betka, Agribusiness
Trent Blare, Agricultural Economics
*Elizabeth Bloss, Agribusiness
*Teldon Bohlender, Agricultural Economics
Matt Bohmont, Mechanized Systems Management
Boyd Bowder, Agricultural Education

Nicolette Brenton, Horticulture
Kimberly Bristol, Agribusiness
*Benjamin Britten, Veterinary Science
Jeremy Brozek, Fisheries and Wildlife
*Bob Buckley, Agribusiness
*Delia Buerstetta, Fisheries and Wildlife
Jessica Burke Biochemistry
Megan Cada Biochemistry
*Casey Cain, Fisheries and Wildlife
Caressa Cantrell, Veterinary Science
Elisabeth Chretien, Biochemistry
Kenzi Clark, Food Science and Technology
Ashley Colglazier, Agronomy
Chere Cook, Animal Science
Jesse Cox, Biochemistry
Joel Crandell, Environmental Studies
*Michelle Dipple, Horticulture
*Derek Drost, Agronomy
*Amy Ebeler, Biochemistry
Shaundra Eichstadt, Biochemistry

Jeffery Eihusen, Veterinary Science
 Effie Epke, Food Science and Technology
 *Jeffrey Faimon, Animal Science
 *Elizabeth Farrow, Veterinary Science
 Anthony Fehr, Biochemistry
 Andrew Fiala, Agribusiness
 *Jeanine Frey, Biochemistry
 Pamela Fry, Veterinary Science
 Danielle Gage, Animal Science
 *Chelsea Gehring, Horticulture
 *Aine Gianoli, Agricultural Journalism
 *Jennafer Glaesemann, Veterinary Science
 Beth Griess, Agribusiness
 *Nicole Hanson, Veterinary Science
 Sarah Heidzig, Animal Science
 Rebecca Heilman, Animal Science
 *Ryan Hendricks, Agricultural Education
 Matthew Hindley Horticulture
 *Abby Hird, Horticulture
 Andrew Hock, Agribusiness
 *Lisa Hofmann, Agribusiness
 *Kristina Holt, Veterinary Science
 *Jeffrey Hoover, Horticulture
 Brenton Hopkins, Agribusiness
 *Jennifer Huebner, Food Science and
 Technology
 Brynn Husk, Animal Science
 Todd Jarecke, Horticulture
 *Kathryn Jess, Animal Science
 Libby Johnson, Animal Science
 *Sarah Joy, Animal Science
 *Todd Kavan, Mechanized Systems
 Management
 *James Keblesh, Biochemistry
 Gregory Knudsen, Food Science and
 Technology
 *Jeff Koch, Fisheries and Wildlife
 Patrick Koenig, Agronomy
 Ryan Kolarik, Biochemistry
 Adam Krause, Animal Science
 *Thomas Krause, Agricultural Education
 Ryan Krenk, Agronomy
 Meggan Kroeker, Veterinary Science
 *John Krohn, Agronomy
 Paul Kupke, Mechanized Systems
 Management

Cody Lashley, Agricultural Economics
 *Kristin Lautenbach, Horticulture
 Karen Lee, Biochemistry
 Poi Lee, Food Science and Technology
 Ashley Lewis, Animal Science
 Derrick Leyden, Agribusiness
 *Jesse Luebbe, Agribusiness
 *Paul Luebbe, Agribusiness
 Sarah Mack, Environmental Studies
 Elizabeth Maricle, Animal Science
 Craig Marsh, Agribusiness
 Jessica McCall, Agribusiness
 Megan McElfresh, Agricultural Education
 Jason Meents, Animal Science
 *Daniel Meier, Mechanized Systems
 Management
 Drew Miller, Diversified Agriculture
 *Ross Miller, Mechanized Systems
 Management
 Nicholas Molacek, Biochemistry
 *Aaron Naber, Animal Science
 Matthew Neukirch, Fisheries and Wildlife
 Kelsi Niederklein, Fisheries and Wildlife
 *Abby Obermiller, Veterinary Science
 David Orr, Agribusiness
 Laura Painter, Veterinary Science
 Melissa Patterson, Food Science and
 Technology
 Leah Paulsen, Biochemistry
 Michelle Pavelka, Veterinary Science
 Edwin Pearson, Diversified Agriculture
 *Ryan Pekarek, Horticulture
 Cody Peratt, Horticulture
 Kurt Petersen, Mechanized Systems
 Management
 Jessica Peterson, Animal Science
 Chelsea Phillippe, Environmental Studies
 Jason Pieper, Veterinary Science
 *Justin Pieper, Agricultural Economics
 Sarah Placke, Agricultural Education
 *David Putensen, Fisheries and Wildlife
 *Carlin Richert, Diversified Agriculture
 *Jessica Ritter, Horticulture
 *Ashley Robison, Animal Science
 Trisha Rucker, Veterinary Science
 Tara Ruenholl, Agribusiness

*Chandra Ruff, Agricultural Economics
 *Jessica Schell, Fisheries and Wildlife
 Trevor Schmidt, Fisheries and Wildlife
 Nathan Schole, Diversified Agriculture
 *Sara Schuessler, Veterinary Science
 William Score, Fisheries and Wildlife
 *Jonathan Sellenrick, Agricultural
 Education
 *Michael Sheely, Horticulture
 Angela Shemek, Veterinary Science
 Christopher Skrdla, Grazing Livestock
 Systems
 *Rebecca Small, Agribusiness
 Kile Smith, Agribusiness
 *Rik Smith, Agribusiness
 Tyler Smith, Mechanized Systems
 Management
 *Maria Sonderegger, Veterinary Science
 *Rachel Spatz, Animal Science
 Soren St. Denis, Agronomy
 Joshua Stark, Fisheries and Wildlife
 Allan Steinkraus, Mechanized Systems
 Management
 Sara Stepan, Animal Science
 *Stacey Stricker, Natural Resource
 Environmental Economics

Ryan Sukraw, Agricultural Economics
 *Carol Sutton, Veterinary Science
 *Kayla Thorson, Horticulture
 Tamra Tietmeyer, Fisheries and Wildlife
 Jennifer Timm, Horticulture
 Nelson Trambly, Agribusiness
 *Abby Van Hoef, Veterinary Science
 Aubrey Vifquain, Food Science and
 Technology
 Lyndsey Volkmer, Agricultural Education
 *Barbara Von Seggern, Agronomy
 Mitchell Wallman, Fisheries and Wildlife
 Jill Wardell, Animal Science
 Chelsey Wasem, Horticulture
 *Josie Waterbury, Animal Science
 Travis Wegner, Agronomy
 Michael Weichman, Animal Science
 Eric Williams, Horticulture
 Richard Wilson, Water Science
 *Nicholas Woods, Biochemistry
 Rebecca Woolard, Veterinary Science
 Leann Wright, Veterinary Science
 *Hiroko Yoshida, Environmental Studies
 *Cole Zentner, Mechanized Systems
 Management

SPRING 2004

*Chantal Afuh, Biochemistry
 *Kristin Ahrens, Food Science and
 Technology
 Taylor Andersen, Agribusiness
 *Jonathan Anderson, Animal Science
 *Renee Baack, Biochemistry
 *Donna Bader, Veterinary Science
 *Jordan Bader, Veterinary Science
 *Anthony Barada, Fisheries and Wildlife
 Tara Baxter, Horticulture
 Kylie Bearnes, Biochemistry
 Jonathan Becker, Mechanized Systems
 Management
 Matthew Beckman, Mechanized Systems
 Management
 Elizabeth Belew, Veterinary Science
 Gary Bergstrom, Environmental Studies

*Ryan Betka, Agribusiness
 *Trent Blare, Agricultural Economics
 Elizabeth Bloss, Agribusiness
 Mindy Boehr, Biochemistry
 *Teldon Bohlender, Agricultural Economics
 David Borer, Agribusiness
 Christopher Borman, Horticulture
 *Nathan Brabec, Agribusiness
 Kylie Brand, Agricultural Education
 Alex Brandes, Agribusiness
 *Kimberly Bristol, Agribusiness
 Benjamin Britten, Veterinary Science
 Jeremy Brozek, Fisheries and Wildlife
 *Jessica Burke, Biochemistry
 Megan Cada, Biochemistry
 *Casey Cain, Fisheries and Wildlife

Cody Carlson, Mechanized Systems
 Management
 Ryan Chapman, Horticulture
 Ashley Colglazier, Agronomy
 Jesse Cox, Biochemistry
 Joel Crandell, Environmental Studies
 Michelle Demerath, Agricultural Education
 *Michelle Dipple, Horticulture
 *Anthony Dowling, Agribusiness
 Andrew Dozler, Mechanized Systems
 Management
 *Amy Ebeler, Biochemistry
 *Shaundra Eichstadt, Biochemistry
 Effie Epke, Food Science and Technology
 Jeffrey Faimon, Animal Science
 Elizabeth Farrow, Veterinary Sciences
 Kathleen Feely, Horticulture
 *Anthony Fehr, Biochemistry
 Jesse Fischer, Fisheries and Wildlife
 Steven Fler, Mechanized Systems
 Management
 *Julia French, Agricultural Education
 Jeanine Frey, Biochemistry
 Katherine Frey, Agribusiness
 Kent Fricke, Fisheries and Wildlife
 Danielle Gage, Animal Science
 Colby Gardine, Mechanized Systems
 Management
 *Chelsea Gehring, Horticulture
 Naomi Gilbert, Horticulture
 Robert Gilmore, Veterinary Science
 Jennafer Glaesemann, Veterinary Science
 *Ann Gotschall, Agricultural Education
 Anneke Gustafson, Agricultural Economics
 Cheryl Halstead, Agribusiness
 Michael Hansen, Agribusiness
 Nicole Hanson, Veterinary Science
 Jennifer Harbison, Veterinary Science
 Kaylene Harms, Biochemistry
 *Natalie Hart, Biochemistry
 *Sarah Heidzig, Animal Science
 Rebecca Heilman, Agricultural Education
 Tanner Hoffman, Mechanized Systems
 Management
 Lisa Hofmann, Agribusiness
 Amber Holl, Agribusiness

Brynn Husk, Animal Science
 *Jennifer Ingwerson, Animal Science
 *Lynne Jacobs, Agricultural Education
 Aaron Jensen, Agribusiness
 *Anthony Jensen, Agricultural Education
 Justin Jensen, Animal Science
 Kathryn Jess, Animal Science
 Valerie Johnsen, Agribusiness
 Libby Johnson, Animal Science
 Sarah Joy, Animal Science
 Todd Kavan, Mechanized Systems
 Management
 *Kassandra Ketteler, Animal Science
 Naoko Kobayashi, Fisheries and Wildlife
 *Ryan Kolarik, Biochemistry
 Brooke Korell, Animal Science
 Melanie Kouma, Horticulture
 Meggan Kroeker, Veterinary Science
 *John Krohn, Agronomy
 Amy Kusek, Biochemistry
 Audrey Kusek, Biochemistry
 Cody Lashley, Agricultural Economics
 *Poi Lee, Food Science and Technology
 Paul Luebbe, Agribusiness
 Jacqueline Mack, Fisheries and Wildlife
 *Sarah Mack, Environmental Studies
 *Kurtis Mann, Mechanized Systems
 Management
 *Craig Marsh, Agribusiness
 Amy Martin, Animal Science
 Jessica McCall, Agribusiness
 Morgan McGowan, Food Science and
 Technology
 Christie McRae, Animal Science
 Suzanne Medwell, Biochemistry
 Daniel Meier, Mechanized Systems
 Management
 *Drew Miller, Animal Science
 *Renee Minary, Animal Science
 Richard Mohr, Agribusiness
 *Isaac Mortensen, Agribusiness
 *Nathan Mueller, Agronomy
 *Abbey Munyon, Veterinary Science
 Aaron Naber, Animal Science
 *Natsuki Nagashima, Biochemistry
 *Abby Obermiller, Veterinary Science

David Orr, Agribusiness
 Andrew Osten, Agricultural Education
 Laura Painter, Veterinary Science
 Melissa Patterson, Food Science and
 Technology
 *Michelle Pavelka, Animal Science
 *Ryan Pekarek, Horticulture
 *Kurt Petersen, Mechanized Systems
 Management
 *Jessica Peterson, Food Science and
 Technology
 *Justin Pieper, Agricultural Economics
 *Landon Pierce, Fisheries and Wildlife
 Aaron Raymond, Agribusiness
 Carlin Richert, Diversified Agricultural
 Studies
 *Jessica Ritter, Horticulture
 *Ashley Robison, Animal Science
 Matthew Rolling, Fisheries and Wildlife
 Sandra Schaeffer, Diversified Agricultural
 Studies
 Gregory Schardt, Biochemistry
 Gretja Schnell, Animal Science
 Nathan Schole, Diversified Agricultural
 Studies
 *David Schroeder, Food Science and
 Technology
 *Sara Schuessler, Veterinary Science
 Jonathan Sellenrick, Agricultural Education
 Robert Sheeder, Natural Resource and
 Environmental Economics
 Michael Sheely, Horticulture
 Travis Shepler, Fisheries and Wildlife
 Kenneth Simons, Horticulture

Christopher Skrdla, Grazing Livestock
 Systems
 Kile Smith, Agribusiness
 *Rik Smith, Agribusiness
 *Rachel Spatz, Animal Science
 *Todd Spohn, Agribusiness
 Allan Steinkraus, Mechanized Systems
 Management
 Sara Stepan, Animal Science
 Ryan Sukraw, Agricultural Economics
 Seuri Taruru, Biochemistry
 Tamra Tietmeyer, Fisheries and Wildlife
 *Jennifer Timm, Horticulture
 Aaron Ulland, Agricultural Economics
 *Abby Van Hoef, Veterinary Science
 Nickolas Van Newkirk, Agribusiness
 Ann VanDeWalle, Agricultural Journalism
 *Aubrey Vifquain, Food Science and
 Technology
 Adam Wacker, Agricultural Economics
 Nicole Wallen-Thompson, Horticulture
 Ryan Walrath, Fisheries and Wildlife
 *Josie Waterbury, Animal Science
 Rachael Wells, Environmental Studies
 Joel Wesely, Agribusiness
 *Joshua Widhalm, Biochemistry
 Eric Williams, Horticulture
 *Richard Wilson, Water Science
 *Nicholas Woods, Biochemistry
 Vicki Wray, Animal Science
 *Hiroko Yoshida, Environmental Studies
 Richard Zbasnik, Food Science and
 Technology

SCHOLARSHIPS AWARDED

Number of Students Receiving Awards from CASNR	575
Percentage of CASNR Students Receiving Awards	45.9%
Number of Scholarships Awarded by CASNR.....	648
Average Value of Each Award	\$955
Maximum Amount Awarded	\$3,000
Minimum Amount Awarded	\$100
Amount Awarded through CASNR	\$629,269
Number of Scholarships Awarded through Dean's Office	494

Number of Students receiving Awards through Dean's Office	443
Amount Awarded through the Dean's Office	\$473,959
Number of Scholarships Awarded through Departments	154
Number of Students receiving Awards through Departments	132
Amount Awarded through Departments	\$155,311

GRADUATE FELLOWSHIPS

Farmers National Company Fellowship in Agriculture

The Farmers National Company Fellowship in Agriculture was established in 1979. It is made possible through an endowment to the University Foundation by the Farmers National Company of Omaha. The income earned from the fund is used annually to support Fellowships for regularly enrolled graduate students in the Institute of Agriculture and Natural Resources.

Razvan Dumitru, Biochemistry
 Ruby Evande, Biochemistry
 Stelian Pop, Biochemistry

Anna Prudova, Biochemistry
 Jennifer Reimers, Agricultural Leadership,
 Education and Communication

Milton E. Mohr Fellowship

The Milton E. Mohr Fellowship was established in 1983. Mr. Mohr established the fellowship for students in the College of Agricultural Sciences and Natural Resources whose areas of study were limited to agricultural engineering, agronomy, animal science, food science and technology, and veterinary science. The fellowship was made possible through an endowment to the University Foundation of 6,000 shares of common stock of Quotron Systems, Inc.

William Allgeier, Entomology
 Wyatt Anderson, Entomology
 Pete Clark, Entomology
 Danilo Franco, Animal Science
 Kimberly Hargrave, Animal Science
 Timothy Huntington, Entomology

Jeremy Martin, Animal Science
 Lee Pothast, Mechanized Systems
 Management
 Wajira Ratnayake, Food Science and
 Technology

DEGREES CONFERRED

BACCALAUREATE DEGREES

The following keys are used throughout the Baccalaureate Degrees section:

- *Denotes Graduation With Distinction
- **Denotes Graduation With High Distinction
- ***Denotes Graduation With Highest Distinction
- +Denotes University Honors Program

AUGUST 2003

Ryan Albers, Horticulture
Aaron Bessmer, Animal Science
*+Rhoda Beutler, Agronomy
Jason Cooper, Horticulture
William Cridlin, Mechanized Systems
Management
Daniel Ehlers, Animal Science
**+Charles Frost, Agricultural Economics
Heather Hiskey, Veterinary Technologist
*Christopher Hobza, Water Science
Valerie Johnson, Animal Science

Theodore Kohtz, Agronomy
Julie Lindauer, Animal Science
Joseph Mitchell, Environmental Studies
Joaquin Munoz, Environmental Studies
Nathan Oehlich, Agronomy
Amber Olson, Veterinary Technologist
*Clayton Ridenour, Fisheries and Wildlife
Martin Smith, Agricultural Economics
Marcus Wilhelm, Agribusiness
Matthew Willnerd, Agribusiness

FALL 2003

Emily Anderson, Horticulture
*Dana Bailey, Agricultural Education
Dustin Bailey, Horticulture
Justin Bargstadt, Diversified Agricultural
Studies
Kevin Beavers, Biochemistry
Nathan Behlke, Agricultural Economics
Christopher Borgelt, Mechanized Systems
Management
Benjamin Bramble, Biochemistry
Julie Breuer, Agribusiness
Timothy Brhel, Agribusiness

Hans Burken, Diversified Agricultural
Studies
John Burks, Agribusiness
Timothy Byrne, Animal Science
Tanya Douglas, Agribusiness
Ryan Dunklau, Animal Science
Karina Dye, Agribusiness
Lindy Echtenkamp, Veterinary Technologist
Easton Eggers, Mechanized Systems
Management
Trenton Erickson, Agronomy
**Andrew Fiala, Agribusiness
Amber Fitzke, Animal Science

Brent Frerichs, Agribusiness
 Christopher Friedel, Veterinary
 Technologist
 Adam Fritz, Agricultural Economics
 *Benjamin Fullner, Agricultural Economics
 **Aine Gianoli, Agricultural Journalism
 Robbyn Goertzen, Horticulture
 Kendra Gregg, Biochemistry
 Paul Guenther, Animal Science
 Erik Haglund, Agronomy
 Ryan Harms, Agricultural Economics
 Andrew Hock, Agribusiness
 Justin Hoebelheinrich, Agronomy
 Heidi Hogle, Biochemistry
 Theresa Jack, Veterinary Science
 Michael Jackson, Agricultural Economics
 Jennifer Jaderborg, Veterinary Science
 Jason Jakob, Agronomy
 Theresa James, Horticulture
 Thomas Jarosz, Animal Science
 Kip Jeffries, Horticulture
 Geoffrey Joy, Agribusiness
 Cletus Kamrath, Diversified Agricultural
 Studies
 Paul Kiekhaefer, Horticulture
 Jeff Koch, Fisheries and Wildlife
 Christopher Koliha, Diversified Agricultural
 Studies
 Kyle Korth, Diversified Agricultural Studies
 Phillip Kowalski, Agronomy
 Anntie Kramer, Agribusiness
 Thomas Krause, Agricultural Education
 Ryan Krenk, Agronomy
 Christopher Krueger, Diversified
 Agricultural Studies
 *Jill Kruger, Agricultural Journalism
 Brian Kutsch, Animal Science
 Jeffrey L. Heures, Agribusiness
 Scott Maas, Agricultural Education
 Jason Mader, Fisheries and Wildlife
 John Magnuson, Animal Science
 Nicholas Maple, Diversified Agricultural
 Studies
 Christopher McGuire, Animal Science
 Keith Meiergerd, Agricultural Economics
 Ryan Meister, Agronomy
 Jeanne Miller, Environmental Studies
 **+Margaret Miller, Agricultural Education
 Brian Monke, Agronomy
 Matthew Morrissey, Horticulture
 Anthony Moseman, Agronomy
 Donald Moss, Animal Science
 Tylr Naprstek, Fisheries and Wildlife
 **Gibson Nene, Agribusiness
 James O'Brien, Biochemistry
 Jason Penke, Agronomy
 Robbie Petersen, Animal Science
 Pooi Phang, Food Science and Technology
 Alison Rasmussen, Food Science and
 Technology
 Keith Reichmuth, Agribusiness
 Jake Rickard, Diversified Agricultural
 Studies
 Cory Schlueter, Animal Science
 Kari Schmieding, Veterinary Technologist
 *Shawn Speidel, Horticulture
 Kirk Springer, Mechanized Systems
 Management
 Soren St. Denis, Agronomy
 Sean Sutherland, Agronomy
 Jessica Swanson, Animal Science
 Christopher Tietz, Diversified Agricultural
 Studies
 Adriana Velasquez, Food Science and
 Technology
 Barbara Von Seggern, Agronomy
 Megan Voss, Agricultural Education
 Angela Walker, Animal Science
 Jill Wardell, Animal Science
 Christopher Waterbury, Diversified
 Agricultural Studies
 Lucas Weedin, Biochemistry
 Travis Wegner, Agronomy
 Michael Weichman, Animal Science
 *Scott Wellensiek, Mechanized Systems
 Management
 Jason Wentz, Fisheries and Wildlife
 Seng Wong, Horticulture
 Adam Woods, Horticulture
 Robyn Yule, Agricultural Education
 Thaddeus Ziembra, Agronomy

SPRING 2004

Jacob Adler, Agribusiness
Thomas Ahern, Horticulture
*Jonathan Anderson, Animal Science
Robert Armstrong, Horticulture
Adrienne Auch, Animal Science
***Renee Baack, Biochemistry
*Anthony Barada, Fisheries and Wildlife
Jamie Bauman, Animal Science
Jonathan Becker, Mechanized Systems
Management
Kimberly Becker, Agribusiness
Gary Bergstrom, Environmental Studies
Joseph Billesbach, Agronomy
Matt Bohmont, Mechanized Systems
Management
Ryan Bonham, Agribusiness
*David Borer, Agribusiness
Stephanie Bowie, Agricultural Education
Emily Brabec, Agribusiness
*Kimberly Bristol, Agribusiness
**Benjamin Britten, Veterinary Science
Lindsay Brown, Horticulture
Jennifer Broz, Animal Science
Jason Buddenberg, Mechanized Systems
Management
**Delia Buerstetta, Fisheries and Wildlife
Kerry Burns, Animal Science
*Megan Cada, Biochemistry
Cody Carlson, Mechanized Systems
Management
Bryan Carpenter, Animal Science
Nicholas Christensen, Horticulture
Eric Clark, Agricultural Economics
Adam Clausen, Agronomy
*+Ashley Colglazier, Agronomy
Amy Cropp, Animal Science
Tyler Daly, Diversified Agricultural Studies
Katie Deerson, Diversified Agricultural
Studies
Beatriz Diaz, Agricultural Education
Katherine Dodge, Agribusiness
***Anthony Dowling, Agribusiness
Christopher Dvorak, Mechanized Systems
Management
Randall Endorf, Mechanized Systems
Management
Todd Filipi, Fisheries and Wildlife
Tyler Fitzke, Diversified Agricultural
Studies
Kristina Folken, Horticulture
Ryan Franzluebbbers, Agronomy
Julia French, Agricultural Education
Thomas Furman, Veterinary Science
Raela Gadeken, Agribusiness
Patricia Goodrich, Animal Science
Andrea Griesen, Horticulture
Brandon Gutzmann, Diversified Agricultural
Studies
Adam Hamling, Animal Science
**Michael Hansen, Agribusiness
Valree Harbour-Marik, Veterinary
Technologist
Sarah Heidzig, Animal Science
Adam Heimes, Diversified Agricultural
Studies
**Abby Hird, Horticulture
Lisa Hofmann, Agribusiness
***Kristina Holt, Veterinary Science
Misty Homolka, Agribusiness
**Brenton Hopkins, Agribusiness
Amy Hughes, Fisheries and Wildlife
Rachel Janousek, Agribusiness
Jennifer Jensen, Agronomy
Nicholas Jindra, Agribusiness
Jordan Johnson, Agricultural Economics
Joshua Johnson, Agronomy
Justin Johnson, Agronomy
Ryan Jones, Mechanized Systems
Management
William Karlin, Veterinary Science
Angela Kier, Agricultural Education
Elizabeth Kilzer, Veterinary Science
Ty Knispel, Agribusiness
Jarrod Knorr, Agribusiness
Patrick Koenig, Agronomy

**+Ryan Kolarik, Biochemistry
 Brooke Korell, Animal Science
 Bruce Kraeger, Diversified Agricultural
 Studies
 Paul Kumke, Animal Science
 **Poi Lee, Food Science and Technology
 Justin Linder, Grazing Livestock Systems
 Kevin Loftis, Diversified Agricultural
 Studies
 Heok Lu, Biochemistry
 Jason Luebbe, Fisheries and Wildlife
 Justin Luther, Agribusiness
 Jacqueline Mack, Fisheries and Wildlife
 Andrew Maddox, Fisheries and Wildlife
 Suzanne Medwell, Biochemistry
 Amy Messinger, Veterinary Science
 Jon Meyer, Diversified Agricultural Studies
 ***Matthew Meyer, Biochemistry
 Todd Meyer, Mechanized Systems
 Management
 Kim Miller, Horticulture
 Amanda Mortensen, Agricultural Journalism
 Robert Mulliken, Agronomy
 Lisa Nelson, Agricultural Economics
 Matthew Neukirch, Fisheries and Wildlife
 Kelsi Niederklein, Fisheries and Wildlife
 Joshua Noble, Agronomy
 Justin Nuss, Horticulture
 David Ourada, Animal Science
 Patrick Palmer, Horticulture
 *Melissa Patterson, Food Science and
 Technology
 Matthew Pelster, Agronomy
 Thomas Person, Mechanized Systems
 Management
 Erik Petr, Fisheries and Wildlife
 *Becky Pigsley, Veterinary Science
 Jason Pohlmann, Mechanized Systems
 Management
 David Putensen, Fisheries and Wildlife
 Todd Reed, Mechanized Systems
 Management

Aaron Reimers, Diversified Agricultural
 Studies
 Zachary Rigg, Agronomy
 Aaron Rinkol, Environmental Soil Science
 Joel Robbins, Veterinary Science
 *Matthew Rolling, Fisheries and Wildlife
 Trisha Rucker, Veterinary Science
 +Brooke Runyan, Diversified Agricultural
 Studies
 Chase Sauder, Agronomy
 **Nicole Scheideler, Agribusiness
 John Schmall, Agribusiness
 Luke Schmid, Animal Science
 **David Schroeder, Food Science and
 Technology
 Sean Schulz, Biochemistry
 Mikaleh Shultz, Veterinary Science
 Vaughn Sievers, Diversified Agricultural
 Studies
 *Maria Sonderegger, Veterinary Science
 **Jordan Spatz, Animal Science
 Matthew Stahl, Veterinary Science
 Barrett Stallard, Diversified Agricultural
 Studies
 Boe Stutzman, Agronomy
 Tara Swanson, Animal Science
 Zachary Taylor, Mechanized Systems
 Management
 **Brock Thorberg, Agribusiness
 Tamra Tietmeyer, Fisheries and Wildlife
 Aaron Ulland, Agricultural Economics
 Ann VanDeWalle, Agricultural Journalism
 Jeremy Vlcek, Horticulture
 Nathan Vodehnal, Agribusiness
 Adam Wacker, Agricultural Economics
 Nicholas Weinrich, Agribusiness
 Travis Wolf, Animal Science
 Daniel Wondercheck, Agribusiness
 Rebecca Woolard, Veterinary Science
 *Leann Wright, Veterinary Science
 Bryce Zeller, Agronomy
 *Cole Zentner, Mechanized Systems
 Management

MASTERS DEGREES

AUGUST 2003

Steven Edward Aanes, Entomology
Matthew Roy Beckman, Biometry
Jeffrey Dean Carstens, Entomology
Julian Marco Chaky, Agronomy
Lori Ann Divis, Agriculture
Jamie L. Fassett, Leadership Education
Charles Myron Hardekopf, Mechanized
Systems Management
Sarah Katherine Ivan, Animal Science
Chiew-Kwei Kaw, Biometry
Colby Erwin Kruse, Agricultural Economics
Leanne Frances LaBrash, Animal Science
Lian Liu, Agricultural Economics
Hilary Kay Maricle, Leadership Education
Kenneth Njoroge, Agricultural Economics
Nghah-Wan Phoon, Food Science and
Technology
Kenneth Eugene Robinson, Food Science
and Technology

Santiago Xavier Salvador, Agricultural
Economics
Dane Andrew Shuman, Natural Resource
Sciences
Richard John Siefken, Mechanized Systems
Management
Meghan Elizabeth Sittler, Natural Resource
Sciences
Benjamin David Swigle, Natural Resource
Sciences
Kian-Ann The, Food Science and
Technology
Brescia Ribeiro Marcondes Terra,
Agronomy
Hongwu Wang, Biometry
Jinquan Wu, Biometry
Ruilin Zhang, Veterinary Science

DECEMBER 2003

Shannon Michelle Barratt, Leadership
Education
Mark Richard Behrens, Biochemistry
Amy Elise Boren, Leadership Education
Monica Regina Brito, Veterinary Science
Laura A. Campbell, Entomology
Maria Beatriz Carrasco, Leadership
Education
Nicole Marie Clark, Veterinary Science
Shareen Cundall, Leadership Education
Grant Douglas De Jong, Entomology
Lou Ellen Didier, Entomology
Jeff Andrew Fassett, Agronomy
William Manzi Freitas, Leadership
Education
John Dale Hansen, Entomology
Rebecca Lynn Harms, Leadership Education

Harriet Emily Hayden, Leadership
Education
Robert Franklin Heyduck, Agronomy
Tad Michael Hunt, Leadership Education
Stephanie Lynn Jaeger, Animal Science
James Allen Kennedy, Veterinary Science
Holly Annette Klink, Veterinary Science
Stacey Marie Kopf, Natural Resource
Sciences
James Clair Kriz, Entomology
Lawrence James Moczygemba, Veterinary
Science
Dhammika H.M.L.P. Navarathna,
Veterinary Science
Kimberly Dawn Pavelka, Agronomy
Sebastian Luis Perversi, Agricultural
Economics

Kimberly Susan Rager, Natural Resource
Sciences
Renee Ann Ritchie, Agronomy
Kenneth Peter Rohr, Jr., Entomology
Marty R. Schmer, Agronomy

Hui-Wan Teh, Leadership Education
Michael R. Wells, Veterinary Science
Krystal Lynn Hersh Zimmerman,
Agriculture

MAY 2004

Lori Jean Abendroth, Agronomy
Analiza Piovesan Alves, Entomology
Bryce Dennis Bauer, Agronomy
Joseph Lad Baumert, Animal Science
Dean David Brame, Agronomy
Ryan Michael Coldwell, Statistics
Bradley Allen Creamer, Animal Science
Kimberly Kathleen Davis, Leadership
Education
Andrew Callahan Dwyer, Statistics
Jennifer Marie Fleer, Biological Sciences
Zachary William Gabelhouse, Statistics
Guillermo Alberto Gargantini, Animal
Science
Joshua Vaughn Granderson, Entomology
Daniel Aaron Griesen, Biochemistry
Hong Guan, Agricultural Economics
Catherine Marie Herink, Statistics
Sarah Leigh Jaeger, Statistics
Stephanie Lynn Justice, Veterinary Science
Karen Michelle Kniep, Leadership
Education
Kelly Ann Krambeck, Leadership Education

Mathew M. Kramm, Entomology
Mary Joan Kunzman, Leadership Education
John Walker Luedtke, Agriculture
Valerie Anne Martinez, Food Science and
Technology
Talaya Marie Miller, Statistics
Laura Elizabeth Mink, Animal Science
Patrick Michael O'Neill, Agronomy
Randy Richard Ries, Food Science and
Technology
Carmina Citlai Robles, Animal Science
Margaret Louise Sage Mach, Leadership
Education
Kendra Kay Schmid, Statistics
Lisa M. Stahr, Agricultural and Biological
Systems Engineering
Chenguang Wang, Statistics
Kimberly Marie Whittet, Animal Science
Matthew John Wiedel, Statistics
Jacqueline Renee Wroughton, Statistics
Angeline Hua-Jin Yong, Food Science and
Technology

DOCTORAL DEGREES

AUGUST 2003

Deanna S. Acklie, Education-Community
and Human Resources
Huston Chance Block, Animal Science
Walter Duane Carpenter, Education-
Community and Human Resources
Kevin James Delaney, Entomology

Muharrem Dilbirligi, Agronomy
Brent J. Goertzen, Education-Community
and Human Resources
Sanjun Gu, Horticulture and Forestry
Steven J. Kitt, Animal Science
Oranuch Leelaporn, Agronomy

Tulio Branco Macedo, Entomology
Raymond Allen McDonald, Animal Science

Herbert Alvaro Abreu de Siqueira,
Entomology

DECEMBER 2003

Mark F. Allan, Animal Science
Shaker B. Al-Suwaiegh, Animal Science
Yuksel Cetin, Food Science and Technology
Bruce Jay De Groot, Animal Science
Travis Brent Farran, Animal Science
Sandun Dehiwattage Fernando, Engineering
Ryan Michael Goss, Horticulture and
Forestry
Mohammad Abdul Rahim Jalal, Animal
Science
Jaehyoung Kim, Food Science and
Technology
Timothy Wayne Loy, Animal Science

Casey Nicholas Macken, Animal Science
Pamela May Nordstrom, Education-
Administration, Curriculum and
Instruction
Anna Meena Oommen, Food Science and
Technology
Serap Ozcan, Food Science and Technology
Boingotlo Sebolai, Agronomy
Jenny Ann Stebbing, Entomology
David M. Thomas, Horticulture and Forestry
Federico Alberto Vartorelli, Agronomy
Monica Diana Vlasie, Biochemistry

MAY 2004

Alejandro Amezquita, Engineering
Fufu Hundera Birru, Agronomy
Mark Eugene Burbach, Education-
Community and Human Resources
Kelly Wynn Creighton, Animal Science
Danilo Jose Franco, Animal Science
Girish Mahamallappa Ganjyal, Engineering
Christine M. Geith, Education-
Administration, Curriculum and
Instruction

Laurice Annette Matulka, Animal Science
Peter Gregory Mullin, Biological Sciences
Federico Carlos Ocampo, Entomology
Sebastian Oltean, Biochemistry
Jeong Park, Natural Resource Sciences
Teshome H. Regassa, Agronomy
Tammy Marie Rittenour, Geosciences
Ana Z. Ruiz, Animal Science
Andrés Viña, Natural Resource Sciences

ALUMNI

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES ALUMNI ASSOCIATION (CASNRAA)

The objective of CASNRAA is to foster cooperation and communication among all alumni of the College of Agricultural Sciences and Natural Resources and to develop communication between the alumni and the Institute of Agriculture and Natural Resources (IANR). This is done by informing parents and students about academic programs and careers in agriculture and natural resources, encouraging the establishment of scholarships, assisting with activities that recognize the importance of agriculture professions, recognizing persons and

organizations doing meritorious service in these professions, and promoting events and other activities for alumni.

CASNRAA Vision Statement:

To foster a lifelong relationship with the University of Nebraska-Lincoln

CASNRAA Mission Statement:

To cultivate and enhance the network of CASNR Alumni, current and prospective students.

2003-2004 CASNRAA BOARD OF DIRECTORS

President: Roger Bissell, '78, Kearney,
Life and Charter Member

Past President: Ross Knott, '85,
Petersburg, Life and Charter Member

President Elect: Scott Kurz, '87, Elkhorn,
Life and Charter Member

Recording Secretary: Sheila O'Connor,
'87, Lincoln, Life and Charter Member

Treasurer: Jana Hafer, '95, Beatrice, Life
and Charter Member

National Alumni Board Representative:
Sheila O'Connor, '87, Lincoln

Board Members:

Bart Beattie, '94, Sumner, Life and Charter
Member

Devin Bird, '91, Omaha, Life Member

Barbara Dorn, '80, '81, '88, Cortland,
Charter Member

Kerry Glandt, '85, Kearney, Life and
Charter Member

Ted Glock, '86, Rising City, Life Member

Keith Ostermeier, '89, '92, Grand Island,
Life Member

Dean: Steve Waller, Charter Member

CASNR Alumni Relations Director:

Billie Lefholtz, Charter Member

Sower Editor: Agricultural Communicators
of Tomorrow, CASNR club

Student Representatives: Michelle Pavelka
and Ryan Walrath

NU Foundation Representative: Bethany
Throener, '95, Lincoln

Standing committees and chairs:

Alumni Awards: Ross Knott and
Kerry Glandt

Communications: Barbara Dorn

Events: Bart Beattie

Baseball Reunion: Scott Kurz

Career Day: Roger Bissell and
Ross Knott

Senior Breakfast: Jana Hafer

2003 CASNRAA Alumni Achievement Award: Raymond Ward, Kearney, NE

2003 CASNRAA Alumni Service Award: Roger Wehrbein, Plattsmouth, NE

Rodney K. Gangwish and **Mark R. Gustafson** were the 2004 honorees of the Nebraska Hall of Agricultural Achievement.

ACADEMIC PROGRAMS

CASNR Curriculum Committee Actions

(Some actions listed have not received final approval from UCC, Graduate Studies or other reviewing committees.)

Course Changes

The following courses were approved by the CASNR Curriculum Committee for a change in course description, number, title, credit hours, or crosslistings.

AGRO 153	Soil Resources (IS designation)
AGRO 279	Soil Evaluation
AGRO 299	Research Problems and Career Experience
AGRO 340	Range Management and Improvement
AGRO 440/840	The Range Ecosystems
AGRO 442/842	Range Plants
AGRO 444/844	Rangeland Analysis
AGRO 455/855	Soil Chemistry and Mineralogy
ASCI 300B	Principles of Intercollegiate Livestock and Meats Evaluation and Judging
ASCI 400B	Advanced Intercollegiate Livestock and Meats Evaluation and Judging
ASCI 450	Horse Management
BIOS 220	Principles of Ecology
BIOS 325	Introductory Plant Physiology
FDST 280	Contemporary Issues in Food Science (IS designation)
HORT 130	Introduction to Horticulture
HORT 200	Landscape and Environmental Appreciation
HORT 339	Planting Design
HORT 341	Introduction to Landscape Construction
HORT 398	Career Experience
NRES 920	Pesticide Dissipation in Soils and Plants
STAT 494	Topics in Statistics and Probability
STAT 892	Topics in Statistics and Probability
VBMS 452/852	Introduction to Molecular Virology and Viral Pathogenesis

Changes in Minors, Majors or Options

Revision of Agricultural Economics major and options
Revision of Agricultural Journalism major
Revision of Biochemistry major
Revision of Diversified Ag major
Revision of Environmental Soil Science major

Revision of Environmental Studies major
 Revision of Environmental Studies minor
 Revision of Food Science major
 Revision of Food Science minor
 Revision of Grazing Livestock Systems major
 Revision of Landscape Architecture minor
 Revision of Professional Golf Management major
 Revision of Statistics minor
 Revision of Veterinary Science and Veterinary Tech. majors

Deleted Courses

AGRO 416/816	Seed Physiology
AGRO 420/820	Herbicide Technology
AGRO 821	Herbicide Mode of Action
AGRO 904	The Physiology of Grain Yield
AGRO 913	Advanced Plant Breeding
BIOM 896	Independent Study in Biometry
MSYM 217	Ag. Manufacturing Processes and Materials
MSYM 242	Construction Principles
NRES 307	Analysis of Earth Systems

New Courses

AGRI 888	Teaching Science
AGRI 897	Master of Agriculture Project
AGRO 305	Geography of Agriculture
AGRO 437/837	Animal, Food and Industrial Uses of Grain
AGRO 438/838	Producing Grain for Animal, Food and Industry
ASCI 252	Fundamentals of the Horse Industry
ASCI 395A, B, D and E	Experiential Learning for Career Development in Animal Science
BIOC 435	Advanced Topics in Biochemistry (capstone designation)
HORT 470	Landscape Management (capstone designation)
HORT 471/871	Vines, Wines and You
NRES 208	Introduction to Bio-Atmospheric Resources
NRES 312	Introduction to Geospatial Info. Sciences
NRES 421/821	Field Techniques in Remote Sensing
PGMP 101	Introduction to Professional Golf Management
PGMP 201	PGMP Level 1
PGMP 301	PGMP Level 2
PGMP 401	PGMP Level 3
PGMP 498	PGM Integration
SOIL 101	Soils and Society (IS designation)
VBMS 999	Doctoral Dissertation

New Specializations

Bio-Atmospheric Interactions (Ph.D. specialization)
Climate Assessment and Impacts (Ph.D. specialization)

Other

Revised core for BS in Natural Resources
Revised core for BS in Agricultural Sciences
Approved support of Bioinformatics Specialization
Revision of PGMP Curriculum
Approved AGRO 897 as Graduate Extended Education course
Approved ENTO 810 as Graduate Extended Education course
Approved policies for crosslisting of courses
Accepted revisions in the English Comp. Curriculum
Accepted revisions in Chemistry courses proposed
Accepted the Comprehensive Education Requirements report
Approved researching alternative degree designations
Appointed a subcommittee to prepare criteria for student's status in CASNR

RECRUITMENT, RETENTION, AND PLACEMENT

RECRUITMENT, RETENTION, AND PLACEMENT (RRP) COMMITTEE

The CASNR Recruitment, Retention, and Placement (RRP) Committee is comprised of faculty and staff representing each academic program in CASNR and the Dean's Office. The Committee meets monthly to develop strategies, plan and coordinate both college-wide and academic program activities. Members of the 2003-2004 RRP Committee were:

Steven D. Danielson
Dean E. Eisenhauer
Richard L. Fleming
Jana N. Hafer
Ronald J. Hanson
Tiffany M. Heng-Moss
Garald L. Horst
Lee B. Johnson
Michael F. Kocher

Robert D. Kuzelka
Larry L. Larson
Dennis L. McCallister
Jessica L. McKillip
Cheryl A. Moncure
Linda D. Moody
Pamela J. Murray
Rosie A. Nold
Edward J. Peters

Bryan A. Reiling
Walter H. Schacht
Melanie A. Simpson
Joseph M. Skopp
Rosalee A. Swartz
Susan K. Voss
Betty A. Walter-Shea
Georgianna Whipple

RECRUITMENT ACTIVITIES

The University of Nebraska-Lincoln (UNL) College of Agricultural Sciences and Natural Resources (CASNR) is keenly aware of the need to educate both internal and external customers about its academic programs and related student development opportunities. As one of 16 universities in the nation that is both an AAU and Land-Grant university, UNL attracts students with a wide range of interests. A majority of prospective and current UNL students—even though they may be from Nebraska—do not understand the nature or purpose of CASNR to UNL and the State. In an effort to increase this understanding, CASNR partners with UNL Admissions and Cooperative Extension in recruitment efforts both on and off-campus.

Traditionally, CASNR's student population has primarily been comprised of rural students (80 percent or higher). With a decreasing number of high school students in Nebraska—especially in rural areas—CASNR has taken measures to recruit more heavily out-of-state and in urban areas. CASNR majors more typically chosen by urban students—horticulture, fisheries and wildlife, biochemistry, food science, veterinary science, agribusiness, animal science, and professional golf management—have seen increased numbers over the last three to five years. In addition, multicultural student populations are focused more heavily in urban areas of Nebraska and in communities that have attracted larger processing and labor-intensive industries. CASNR efforts to recruit multicultural students are focused in these areas and, in some cases, at an earlier age/grade level than our typical recruitment focus.

CASNR recruitment efforts for the 2003-2004 year include the following:

CASNR Day (open house in October) found over 265 prospective students, parents, faculty, staff and current students interacting in a browsing/discovery session, in academic program presentations, and over lunch, which included a campus life video and student panel.

Media Campaign. For the third year, CASNR launched a media campaign. Radio ads, which feature students talking about their interest areas and opportunities that have impacted them, ran on selected weeks between October and early March. Coordinated materials—posters, brochures, folders, notepads and pens—were sent to high school teachers and Extension offices and used throughout the year for recruitment purposes.

Email/Contact Campaign. Beginning with invitations to CASNR Day in October, CASNR student ambassadors and a transfer student assistant contacted over 900 prospective students monthly by email and mail to connect with them, learn about their interests and concerns, and answer questions they had regarding coming to UNL and CASNR.

Calling Campaigns. Over 250 prospective students were called in December and 230 admitted students were called in February. Current students called prospective students and asked them about their interests, plans for college and if they had questions. The results confirmed that many prospective students are deciding on colleges based on costs, support (usually in the way of scholarships), special programs (such as honors or leadership/special interest opportunities) and academic interests.

Partnering with Admissions

- Admissions Office – Deans’ Days and January update. Each September, UNL college deans visit with UNL Admissions staff regarding college updates and programs. New Admissions Office personnel visited CASNR in January for an update.
- Greater Nebraska College Fair – Lincoln. Annual event where the college has a display and talks with Fair visitors about CASNR programs. Each undergraduate college at UNL is represented.
- Red Letter Days (UNL open house days-eight/year in fall/early spring) have anywhere from 200-800 students and parents visiting campus and include a browsing session and general sessions in the morning. Students with interests in CASNR travel to East Campus to join the CASNR Deans, staff and ambassadors for lunch followed by a CASNR presentation, and time to visit with faculty members in their areas of interest and a brief tour.
- NU Preview/Junior Days - CASNR faculty presented six “mock classes” for students at a special Extension NU Preview with more than 200 students attending. In addition, CASNR faculty presented at all but one of the remaining five junior days.
- Campus Visits – usually start at the UNL Admissions Office with an overview and tour followed by a visit to East Campus, a personal visit with faculty/staff in their areas of interest and a tour, if desired. CASNR hosted over 200 campus visits in 2003-2004.
- Transfer visits to Nebraska community colleges. The CASNR Director of College Relations traveled to community colleges, in fall and spring semesters, with the Associate Director of Admissions-Transfer Programs to visit with prospective students and community college faculty and staff.
- Big Red Road Show. Historically, UNL has not attracted a significant number of prospective Omaha students. In an effort to increase interest in UNL, we took UNL to Omaha for the second year. CASNR had 16 booths/activities—all under an area we named “N World.” We served “irradiated” hamburgers, made chocolate roses, had a Nebraska snake exhibit and had a master gardener on hand. Visitors could dance like a crane, learn about radio telemetry, test their knowledge of agribusiness, pet a ferret, learn about DNA and genetics or sink a “hole-in-one” in golf. For each activity in which they participated, visitors were given an “N World” dollar. Dollars were exchanged at the CASNR booth for t-shirts, caps, coffee mugs, books, calculators, koozies, candy, pens and markers. “N World” was voted “people’s choice” traveling trophy award winner by those who attended (over 2000 people).

High School and Middle School Partnerships

- Lincoln high schools – CASNR presentations on careers in agriculture and natural resources were made to sophomore-level career education classes (over 700 students in 2003-2004).
- Elmwood-Murdock School Career Day – CASNR presentations were made to three groups of 7-12 grade students.
- Nebraska Agribusiness Association Student Career Day – CASNR set up a booth and visited with community college students attending the Career Day, part of the Nebraska Agribusiness Association annual meeting in Omaha.
- Omaha Public Schools Agribusiness/Construction Technology Career Fair – visited with 30-40 Omaha-area students about CASNR programs.

Business/Extension Partnerships

- Husker Harvest Days – Set up a CASNR display and talked with visitors during a three-day trade show (often attended by students from a high school agriculture classes from surrounding areas).
- York Careers in Agriculture Day – Students from surrounding schools were hosted by York State Bank; 150 students attended 2-3 career sessions presented by CASNR faculty/staff.
- Dawson County Careers in Agriculture Day – Nearly 140 students from the Lexington area (high multicultural population due to meatpacking plant in Lexington) attended five different sessions on careers in agriculture and natural resources.
- UNL Career Night (Extension satellite program) features college and career information on 3-5 undergraduate colleges at UNL (hosted by CASNR/Extension Division).
- Career Outlook 2004 - 140 eighth graders from Nebraska communities attended an all-day workshop that started with Career Services and a workshop on Holland career categories (interests/skills inventory that matches interests/skills with career possibilities). Following lunch, students furthered their career focus through CASNR activities--Career Jeopardy and a campus CASNR Career Scavenger Hunt.
- 4-H Recognition Night - Eleven CASNR program/unit booths and numerous faculty, staff and students visited with Lancaster County 4-H students (estimated 190 in attendance) regarding interests/careers.
- Gudmundsen Field Day (Whitman, NE) – 160 youth from eight schools attended an all-day event. Students learned about immunization and attended four workshops that focused on animal science and ranch/range management. CASNR presented information on academics in related areas, UNL and career opportunities.

FFA

- National Convention – Set up a booth (Agricultural Sciences and Natural Resources Consortium of Nebraska--UNL and five community colleges) and visit with students/advisers attending Convention.
- State Convention – CASNR presents workshops, hosts a CASNR club fair and has a booth/scholarship giveaway on East Campus and booth/scholarship giveaway as part of the Agricultural Sciences and Natural Resources Consortium of Nebraska (UNL and five community colleges).

Multicultural Recruitment

- UNL Multicultural Senior Visit Day
- Madison-Winnebago (Multicultural Campus Event) – 100 students attended an all-day event. CASNR hosted the group for academic interest sessions—*Flexing the Marketing Muscle of the Pillsbury Dough Boy* (ag marketing) and tours of the Food Science facilities followed by ice cream from the Dairy Store.
- Multicultural Admitted Student Reception (overnight)- Visited with students admitted to UNL about interest in CASNR programs.
- Early Awareness Program (4th graders from four inner-city Omaha schools-160 students total). CASNR faculty presented two fun sessions (chemistry in life and entomology-related activities). Tours of campus to highlight college student life were given followed by ice cream from the Dairy Store.

UNL Academic Days (attracts students who may not be aware of possible CASNR majors)

- Math Day – CASNR ambassadors set up a display/hosted an activity for high school students on campus for annual math competition.
- Women in Science – CASNR hosted tour groups and several CASNR faculty and staff attended dinner with students/sponsors.

RETENTION ACTIVITIES

CASNR CARES

The College of Agricultural Sciences and Natural Resources (CASNR) developed the CASNR Cares program – Caring Attitudes and Respect for Every Student. The CASNR Cares program provides a single contact for parents, students, faculty and staff seeking assistance in navigating the university's student services programs. The primary goal is to ensure that each student becomes acclimated to the campus environment, engaged in their own education and has every opportunity to be successful. It also provides a significant resource for family and faculty/staff to identify students that may need assistance in enhancing their educational experience. Our college is committed to the welfare and academic success of each of our students.

The CASNR Cares program respects all standards of confidentiality when gathering and sharing information that may affect a student's academic or personal growth. The program works with the student to develop a course of action to help the student meet his or her academic and personal goals, as well as the goals of the University. Sue Voss, the Student Development and Events Director for CASNR, is the primary contact for the CASNR Cares program.

Faculty, staff, parents, or students can initiate a referral by contacting Sue. She will contact the student, make an appointment to have them come to her office, and then meet with them to determine if they need some assistance. Without identifying the source of the concern, the student is encouraged to discuss how things are going, both in and out of the classroom. Students appreciate the attention that is provided to them plus they can learn more about the resources available across campus.

In cases where students must be away from campus due to health or family emergencies, Sue will gather information and can contact the instructors for the classes of the student, letting them know of the student's situation. She will also stay in contact with the student after hearing from the instructors and update the faculty on the return of the student to classes. Both the student and the faculty members appreciate the information that is provided which helps the student stay current in the class.

Dean's Scholars in Experiential Leadership Program for 2003-2004

Thirty-three freshmen participated in the Dean's Scholars in Experiential Leadership (DSEL) Program for 2003-2004. This unique endeavor was created by CASNR to bring together students in the college with an interest in further developing their leadership skills. The exciting program is a great way for students to become fully engaged in the college. It gives them the capacity and confidence to seek leadership positions now and in their professional careers.

Each week students attended weekly sessions hosted by Steve Waller, Dean of the College of Agricultural Sciences and Natural Resources. They participated in the StrengthsQuest program developed by the Gallup Organization to highlight their personal strengths. Other topics that the group covered included career portfolio development, personality/talent inventories, leadership on campus, study abroad and health and wellness.

Special topics included: Effective Communication, High Performance Teams, Dealing with Difficult People and Effective Meetings by Belinda Rinker; Human Resources/Legal Manager, Community Development Institute, Community Development Head Start and Congressional Information by John Hanson, District Director for Congressman Tom Osborne.

New to the program was a partnership with the second graders at Hartley Elementary, a neighborhood elementary school. Our DSEL students provided hats and mittens for the second graders during the semester in December. The freshmen and sophomore DSEL students were able to work together to make Homework Kits for the second graders in February. Thank you notes were sent to our DSEL students from the elementary students. It is an excellent way to partner with our neighbors.

“DSEL was a great opportunity to get to know other students and get better acquainted with helpful people who really care about the students. It was a great opportunity that helped with the oftentimes difficult transition from high school to college, got us involved with the surrounding community, and provided many helpful hints about resumes, teamwork, individual strengths and so much more.” Becky Small, Agribusiness major from Genoa, NE.

“DSEL allowed me to become more familiar with our college and the students in it. It also gave great opportunities to get to know the staff that works in the Dean's Office, some even know me by my first and middle name! Most other students in the University don't even know who the Dean of their college is. DSEL also opened up doors to many different job and internship ideas. The people that came and spoke to us really let us know that there are great opportunities out there once we graduate from college.” Bonnie Hassler, Agricultural Economics major from Dodge, NE. Bonnie is an intern for a Congressional Campaign.

DSEL for Sophomores

Our first class of DSEL students were sophomores during the 2003-2004 school year; we wanted to continue interaction with the students. Our first organized event was a dinner at the home of Sue and Gary Voss. A survey was handed out to record how the students felt as they began their second year at the University. Service Learning Opportunities were again encouraged for our sophomore students – we depend on our CASNR students for assistance throughout the school year.

We also provided a Legislative Day at the Unicameral which was hosted by the LEAD Alumni group, and headed by Jerry Stahr. Students could attend special sessions at the Legislature plus attend a luncheon at the Governor's Mansion.

A joint pizza party and working session to make Homework Kits for Hartley Elementary students was held in February. Jerry Stahr from the LEAD Alumni group was to be our guest speaker but was unable to make the session because of inclement weather. It was fun to have both our freshmen and sophomore students together.

PLACEMENT ACTIVITIES

CASNR Career Fair

The 2003 CASNR Career Fair took place on October 2, 2003, at the Nebraska East Union. The 3rd floor of the Union was utilized for this once-a-year event. Froggy 98 broadcasted live and was a T-shirt sponsor. Nearly 500 students and alumni from the University and local community attended to visit with 48 employing organizations and graduate institutions. Representatives from local, state, and national organizations attended to connect with students investigating potential career opportunities.

Table 1 illustrates the distribution of employing organizations as well as graduate and professional institutions that participated as recruiters.

Company	Company
Adecco Technical and Employment	Nebraska Agricultural Educators Association
Ag Processing, Inc. (AGP)	*Nebraska Association of Resources Districts
*Archer Daniels Midland (ADM)	Nebraska Game and Parks Commission
Bartlett and Company	Nebraska Rural Initiative
Bunge North America, Inc.	Nebraska Work force Development
Cargill Meat Solutions/Excel Corporation	*Partners Advantage (Agrilience, Land O' Lakes, Croplan Genetics)
Central Plains Farms	Pioneer Hi-Bred International, Inc.
*ConAgra Foods	Professional Veterinary Products
Consolidated Grain and Barge (CGB)	Progressive Swine Technologies
Crop Quest, Inc.	*Servi-Tech, Inc.
Danbred North America	Syngenta Crop Protection
Debruce Grain, Inc.	Syngenta Seeds, Inc.
Dow AgroSciences	Tractor Supply Company
Elanco Animal Health	Tyson Foods
Frenchman Valley Farmers Coop	U.S. Peace Corps
*Golden Harvest/JC Robinson Seed Co.	UNL Agribusiness MBA Program
Heartland Pork Enterprises, Inc.	UNL College of Law
*Hormel Foods	UNL Cooperative Extension
Kentucky Equine Management Internship	USDA Agricultural Research Service
LI-COR Biosciences	USDA Farm Service Agency
Midwest Poultry Consortium	USDA Food Safety and Inspection Service
Monsanto Company	USDA Natural Resources Conservation Service-NE
National Park Service	USDA Natural Resources Conservation Service-SD
*NC+ Hybrids	USDA Nebraska Agricultural Statistics Service

*Denotes T-shirt Sponsor

Student Attendance

Table 2

Table 2 shows the distribution of the 494 students that attended the fair by major and class standing.

	Fresh	Soph	Junior	Senior	UGrad TOT	Grad	Alum	TOTAL
AG/NR MAJORS								
Agribusiness	7	4	15	25	51	5	2	58
Ag Economics	1	1	2	8	12	0	0	12
Ag Bus/Ag Econ	0	3	3	12	18	1	0	19
Ag Education	4	3	6	10	23	4	1	28
Ag Engineering	0	0	0	4	4	0	0	4
Ag Journalism	0	1	0	2	3	1	0	4
Ag Mechanics	0	0	0	0	0	0	0	0
Agronomy	1	2	7	19	29	7	1	37
Animal Science	28	11	10	24	73	0	3	76
Biochemistry	1	1	1	0	3	0	0	3
Biological Systems Eng	1	0	0	3	4	1	0	5
Biometry	0	0	0	0	0	0	0	0
Diversified Ag	0	1	3	12	16	0	0	16
Entomology	0	0	0	0	0	4	1	5
Environmental Studies	1	0	1	1	3	1	1	5
Family Science and Dev	0	0	1	0	1	0	0	1
Food Science	0	0	2	4	6	3	0	9
Forestry, Fisheries and Wild	3	0	2	4	9	0	0	9
Grazing Livestock Systems	2	1	1	1	5	0	1	6
Horticulture	1	0	1	3	5	0	0	5
Mechanized Systems Mngt	0	3	3	17	23	0	1	24
Natural Resources	0	1	0	0	1	1	1	3
Plant Pathology	0	0	0	0	0	1	2	3
Veterinary Science	2	0	1	3	6	1	0	7
Water Science	0	0	0	0	0	0	1	1
Undecided					0			0
TOTAL	52	32	59	153	261	31	15	307
Non AG/NR MAJORS								
Biological Sciences	0	0	0	1	1	2	2	5
Chemistry	0	0	0	0	0	1	0	1
Communications	0	0	0	0	0	1	0	1
Computer Science	0	0	0	1	1	0	0	1
Criminal Justice	0	1	1	0	2	0	0	2
Economics	0	0	0	1	1	0	0	1
Elementary Education	0	0	0	1	1	0	0	1

Engineering	0	0	0	0	0	1	0	1
English	0	0	0	0	0	1	0	1
Environmental Engineering	0	0	0	0	0	2	0	2
Geography/Spanish	0	0	0	2	2	1	0	3
Human Resource Dev.	0	0	0	0	0	1	0	1
Industrial Engineering	0	0	0	0	0	2	0	2
Nutrition	0	0	0	1	1	1	0	2
Statistics	0	0	0	0	0	3	0	3
Textiles, Clothing, and Design	0	0	0	0	0	3	0	3
Other	1	1	2	2	6	3	2	11
TOTALS	1	2	3	9	15	22	4	41
TOTAL Freshmen	53							
TOTAL Sophomores		34						
TOTAL Juniors			62					
TOTAL Seniors				162				
TOTAL Undergraduates					276			
TOTAL Graduates						53		
TOTAL Alumni							19	
TOTAL Attendance								348*
TOTAL Fair Attendance	494**							

* This number represents the total number of students that indicated his/her class standing and major while attending the career fair.

** This number represents the total number of students that attended the career fair, however, he/she didn't indicate an individual class standing.

Employment Seminar

AGRI/NRES 388: The Employment Seminar was held on Tuesday evenings from 6-8 p.m. A variety of subjects were covered such as: introduction to resumes/cover letters, interviewing/business dining etiquette, job search on the internet, mock interviews with industry representatives, job search ethics/job offer evaluation, and a panel on job search and career strategy.

INTERNATIONAL PROGRAMS

CASNR is committed to helping its students reap the benefits of international study at UNL and study abroad programs. Such international experiences allow students to explore the global aspects of their respective majors, and to gain a new perspective of the world in which they live. It allows them to be more competitive in an increasingly global marketplace. This past academic year, 53 CASNR students traveled to 13 countries on individual and group study abroad. CASNR provided over \$35,000 to students in scholarships through study abroad funds or grants.

Study Abroad Opportunities have been expanded through recent FIPSE grants: with European, Brazilian, Mexican and Canadian partners. These grants provide financial support for students for long-term study abroad (semester or academic year), short-term study abroad (usually two to four weeks in a group experience), or internships. For the 2004-05 academic year, the study abroad opportunities led by CASNR faculty include:

- Fall Semester 2004– semester study in Norway, Mexico, Brazil and Canada;
- Winter Break – short-term study in New Zealand;
- Spring Semester 2005 – semester study in Mexico and Canada; and
- Summer 2005 – short-term study and internships in Mexico, Canada, France, Ireland, Denmark, Belgium, Netherlands and Greece.

We are also working on a possible study abroad programs in Puerto Rico and Costa Rica.

The **Kleis Kiosk** is part of the CASNR website with the intention of facilitating communication between students traveling abroad and with their parents. It is accessed with passwords utilizing “blackboard” software and was created in honor of Dr. and Mrs. Robert Kleis. Dr. Kleis was UNL Dean of International Programs and then Executive Dean for International Affairs.

CASNR students are required to take three semester credits of an “internationally focused course.” They may elect to meet this requirement from a long list of courses in languages, geography, political science, economics, anthropology and humanities. CASNR also offers **AGRI 282, Introduction to Global Agriculture**. This course helps students relate international issues to Nebraska agriculture and learn about global issues and inter-relationships.

A **CASNR Minor in International Agriculture and Natural Resources** allows students to build a concentration of courses in international agriculture. We feel this flexible minor fits well with CASNR majors and helps prepare students more broadly for careers in agriculture and natural resources whether they plan for a career in other countries or in Nebraska. Advising for the minor is done by the CASNR Dean’s staff. For questions or for more information on any of the topics discussed here call Arlen Etling, 103 Agriculture Hall, at 472-7018, or email aetling1@unl.edu or call CASNR at 472-2201.

CASNR Students Participating in Study Abroad Experiences		
Academic Year 2003-2004 and Summers of 2003-2004		
Destination	Student	Major
Australia (Fall 03)	Nathan Mueller	Agronomy
Japan (Fall 03)	Chris Borman	Horticulture
UK-England (Fall 03)	Cole Hansen	Agricultural Economics
UK-England (Fall 03/Spr 04)	Leslie Burchell	Horticulture
Germany/Czech Rep/	Beau Klug	Animal Science
Belgium/England (Winter 03)	Rebecca Small	Agribusiness
	Megan McElfresh	Agricultural Education
	Jill Klepper	Agricultural Education
	Adam Wollenburg	Mechanized Systems Management
Australia (Spring 04)	Jeff Greenwald	Environmental Studies
Czech/Greece (Spring 04)	Crystal Powers	Biological Systems Engineering
France (Spring 04)	Erin McEvoy	Veterinary Science
New Zealand (Spring 04)	Matthew Cunningham	Environmental Studies
UK-Scotland (Spring 04)	Pamela Fry	Veterinary Science
Japan (Spring/Summer 04)	Chandra Ruff	Agricultural Economics
Australia (Summer 04)	Rebecca Heilman	Agricultural Education
Costa Rica (Summer 04)	Leah Bomberger	Water Science
	Melissa Senf	Animal Science
Denmark (Summer 04)	Katie Frey	Agribusiness
	Andrew Kabes	Agribusiness
	Elizabeth Keep	Horticulture
	Jess Waddell	Animal Science
France (Summer 04)	Kristin Ahrens	Food Science and Technology
	Beau Bearnes	Agronomy

	Cortney Bearnese	Mechanized Systems Management
	Derek Betka	Agribusiness
	Alex Brandes	Agribusiness
	Adam Cain	Mechanized Systems Management
	Joshua Chrisman	Animal Science/Agricultural Education
	Quentin Cooksley	Mechanized Systems Management
	Julie Douglas	Agribusiness
	Effie Epke	Food Science and Technology
	Adam Grabenstein	Diversified Agricultural Studies/Agribusiness
	Jeremy Horst	Agribusiness
	Eric Knobbe	Agribusiness
	LeAnn Kriete	Agribusiness
	Jessica McCall	Agribusiness/Agricultural Economics
	Tiffany Minnick	Agribusiness
	Shane Potter	Agribusiness/Agricultural Economics
	Megan Schmidt	Veterinary Science
	Eric Schultz	Agronomy
	Jennifer Witte	Agribusiness
	Vicki Wray	Animal Science/Agribusiness
Ireland (Summer 04)	Kenzi Clark	Food Science and Technology
	Ashley Holden	Agricultural Education
	Jasmin Kuan	Food Science and Technology
	Lyndsey Volkmer	Agricultural Education
	Rachael Wells	Environmental Studies
	Richard Zbasnik	Food Science and Technology
Ireland (Summer/Fall 04)	Anthony Fisher	Diversified Agricultural Studies
Mexico (Summer 04)	Kevin Keller	Agronomy
	Naoko Kobayashi	Fisheries and Wildlife/Environmental Studies
	Troy Luebbe	Diversified Agricultural Studies
	William Pohlmeier	Animal Science
	Corrina Oltmans	Agricultural Economics
	Chandra Ruff	Agricultural Economics
	Jordan Spatz	Animal Science
	Ross Weber	Agribusiness
Poland (Summer 04)	Charlene Kastanek	Agribusiness

FACULTY APPOINTMENTS

Faculty Member	Rank	Tch	Rch	Ext	Other	Area of Responsibility
Agricultural Economics						
David J. Aiken	Professor	0.30	0.45	0.25		Agriculture and Natural Resource Law
John C. Allen III	Professor	0.08	0.30	0.20	0.42	Rural Sociology
Azzeddine M. Azzam	Professor	0.30	0.70			Marketing and Quantitative Methods
Richard T. Clark	Professor	0.09	0.21		0.70	Interim Head
Dennis M. Conley	Professor	0.55	0.45			Agribusiness
Lilyan E. Fulginiti	Professor	0.25	0.75			Agricultural Policies/Production
Konstantinos Giannakas	Assoc. Professor	0.25	0.75			Food and Agribusiness Marketing
Ronald J. Hanson	Professor	1.00				Farm Management/Agribusiness/Ag Finance
Glenn A. Helmers	Professor	0.40	0.60			Production Economics
Bruce B. Johnson	Professor	0.55	0.45			Resource and Community Economics
Gary D. Lynne	Professor	0.25	0.75			Natural Resource and Environmental Economics
Darrell R. Mark	Asst. Professor	0.30		0.70		Agricultural Commodity Marketing
Richard K. Perrin	Professor	0.25	0.75			Production Economics/Policy Analysis
E. Wesley Peterson	Professor	0.25	0.75			International Trade
George H. Pfeiffer	Assoc. Professor	1.00				Farm and Ranch Management
Jeffrey S. Royer	Professor	0.30	0.70			Agribusiness Management and Agricultural Marketing
Matthew F. Spilker	Lecturer	1.00				Computers in Agriculture and Natural Resources
Raymond J. Supalla	Professor	0.25	0.75			Natural Resource Economics
Amalia Yiannaka	Asst. Professor	0.50	0.50			Agribusiness Management and Agricultural Marketing
Agicultural Leadership, Education and Communication						
John E. Barbuto Jr.	Assoc. Professor	0.50	0.50			Leadership Development
Leverne A. Barrett	Professor	0.75		0.25		Leadership and Organizational Development
Lloyd C. Bell	Assoc. Professor	0.65			0.35	Teacher Education and Applied Sciences
Patricia J. Fairchild	Assoc. Professor	0.25		0.75		Curriculum Specialist
Susan M. Fritz	Assoc. Professor	0.15	0.25		0.60	Head
Dann E. Husmann	Assoc. Professor	0.75		0.25		Teacher Education
James W. King	Assoc. Professor	0.75	0.25			Distance Education
*Linda D. Moody	Senior Lecturer	0.50			0.50	Leadership/Service Learning

Gerald M. Parsons	Assoc. Professor	0.50				Technical Communication and Multimedia
S. Kay Rockwell	Professor	0.08	0.25	0.60	0.07	Evaluation/Distance Education
Daniel Wheeler	Professor	0.50	0.25	0.25		Leadership and Organizational Development
Agronomy and Horticulture						
Timothy J. Arkebauer	Assoc. Professor	0.15	0.85			Crop Environment
Richard L. Austin	Professor	0.70			0.30	Landscape Design
Stephen P. Baenziger	Professor	0.25	0.75			Small Grains Breeding/Genetics
Kenneth G. Cassman	Professor	0.08	0.22	0.10	0.60	Head
*Thomas E. Clemente	Assoc. Professor	0.10	0.50		0.40	Manager, Plant Transformation Core Research Facility
Rhae A. Drijber	Assoc. Professor	0.40	0.60			Soil Microbiology Ecology
Ismail M. Dweikat	Asst. Professor	0.20	0.80			Sorghum Geneticist
Jerry D. Eastin	Professor	0.15	0.85			Crop Physiology
Jay B. Fitzgerald	Professor	0.55		0.45		Greenhouse Environment/Floral and Nursery Production
Charles A. Francis	Professor	0.22	0.43	0.35		Crop Protection
George L. Graef	Professor	0.15	0.85			Soybean Breeding
William A. Gustafson	Professor	0.50				Fruit and Nut Crops
Garald L. Horst	Professor	0.60	0.40			Turfgrass Physiology and Management
Timothy A. Kettler	Lecturer	1.00				Soils
David P. Lambe	Lecturer	1.00				Ornamentals
Donald J. Lee	Professor	0.60	0.40			Plant Genetics
John L. Lindquist	Assoc. Professor	0.20	0.80			Weed Ecophysiologicalist
*Sally A. Mackenzie	Professor	0.10	0.50		0.40	Program Leader, Plant Science Initiative
Martha Mamo	Asst. Professor	0.75	0.25			Soil Chemistry/Biochemistry
John P. Markwell	Professor	0.10	0.10		0.80	Plant Biochemistry
Stephen C. Mason	Professor	0.50	0.50			Cropping System
Martin A. Massengale	Professor	0.12	0.36	0.27	0.25	Forages/Center for Grassland Studies
Dennis L. McCallister	Professor	0.60	0.40			Soil Chemistry
Lowell E. Moser	Professor	0.65	0.35			Forage Physiology
Deana M. Namuth	Senior Lecturer	0.50		0.50		Distance Education
Ellen T. Papparozzi	Professor	0.50	0.50			Ornamentals
Paul E. Read	Professor	0.25	0.50	0.25		Plant Tissue Culture
Terrance P. Riordan	Professor	0.20	0.65	0.15		Turf Breeding
Steven N. Rodie	Assoc. Professor	0.50		0.50		Landscape Design
William K. Russell	Asst. Professor	0.20	0.80			Plant Quantitative Genetics
Walter H. Schacht	Assoc. Professor	0.40	0.60			Range Science
Robert C. Shearman	Professor	0.20	0.65	0.15		Integrated Turfgrass Management
Roy F. Spalding	Professor	0.10	0.90			Agrochemicals
James E. Specht	Professor	0.20	0.80			Soybean Physiology/Breeding
Paul E. Staswick	Professor	0.15	0.85			Plant Molecular Biology
James L. Stubbendieck	Professor	0.25	0.25		0.50	Range Ecology and

						Management
Richard K. Sutton	Assoc. Professor	1.00				Landscape Ecology
Kim A. Todd	Asst. Professor	0.75		0.25		Landscape Horticulture
Richard P. Waldren	Professor	1.00				Crop Production/Computing Coord.
Daniel T. Walters	Professor	0.35	0.65			Soil Management
Animal Science						
Kathleen P. Anderson	Assoc. Professor	0.50		0.50		Horse Management
Mary M. Beck	Professor	0.30	0.70			Poultry Physiology
Donald H. Beermann	Professor	0.12	0.14	0.14	0.60	Head
Dennis R. Brink	Professor	0.70	0.30			Ruminant Nutrition
Dennis E. Burson	Professor	0.15		0.85		Meats
Chris R. Calkins	Professor	0.30	0.70			Meats
Andrea S. Cupp	Asst. Professor	0.30	0.70			Beef Physiology
Galen E. Erickson	Asst. Professor	0.10	0.50	0.40		Feedlot Nutrition
James A. Gosey	Professor	0.20		0.80		Beef Breeding
Rodger K. Johnson	Professor	0.40	0.60			Swine Breeding
Steven J. Jones	Professor	0.65	0.35			Meats
Roger J. Kittok	Assoc. Professor	0.15	0.85			Reproductive Physiology
Terry J. Klopfenstein	Professor	0.30	0.70			Ruminant Nutrition
Larry L. Larson	Assoc. Professor	0.60	0.40			Dairy Physiology
*Libby S. Lugar	Lecturer	1.00				Horse Management
Roger W. Mandigo	Professor	0.40	0.60			Meats
Phillip S. Miller	Professor	0.40	0.60			Swine Nutrition
Jess L. Miner	Assoc. Professor	0.30	0.70			Nutritional Biochemistry
Merlyn K. Nielsen	Professor	0.40	0.60			Breeding and Genetics
Rosemarie A. Nold	Asst. Professor	0.20		0.80		Youth Specialist
Daniel Pomp	Professor	0.15	0.65			Genetics
Duane E. Reese	Assoc. Professor	0.20		0.80		Swine Nutrition
Bryan A. Reiling	Asst. Professor	0.70		0.30		Livestock Production and Management
Sheila E. Scheideler	Professor	0.05	0.45	0.50		Poultry Management
L. Dale Van Vleck	Professor	0.15	0.05			USDA Breeding and Genetics
John S. Weber	Asst. Professor	0.20	0.80			Functional Genetics
Brett R. White	Asst. Professor	0.50	0.50			Swine Physiology
Biochemistry						
*Han H. Asard	Assoc. Professor	0.20	0.80			Plant Biochemistry
Ruma V. Banerjee	Professor	0.15	0.85			Mechanistic Enzymology
Joseph J. Barycki	Asst. Professor	0.20	0.80			Protein Crystallography
*Donald F. Becker	Asst. Professor	0.20	0.80			Protein Electrochemistry
Raymond Chollet	Professor	0.20	0.80			Photosynthesis
Vadim N. Gladyshev	Assoc. Professor	0.20	0.80			Protein Biochemistry/Selenium
*Jaekwon Lee	Asst. Professor	0.20	0.80			Metal Metabolism
John P. Markwell	Professor	0.30	0.50		0.20	Plant Biochemistry
Stephen W. Ragsdale	Professor	0.15	0.85			Enzymes
*Linda L. Shearman	Lab Supervisor	0.25			0.25	Undergraduate Programs
Melanie A. Simpson	Asst. Professor	0.20	0.80			Cellular Biochemistry
*S. Madhavan Soundararajan	Senior Lecturer	1.00				Plant Physiology
Robert J. Spreitzer	Professor	0.15	0.85			Plant Molecular Genetics
*Julie M. Stone	Asst. Professor	0.20	0.80			Plant Molecular Biology

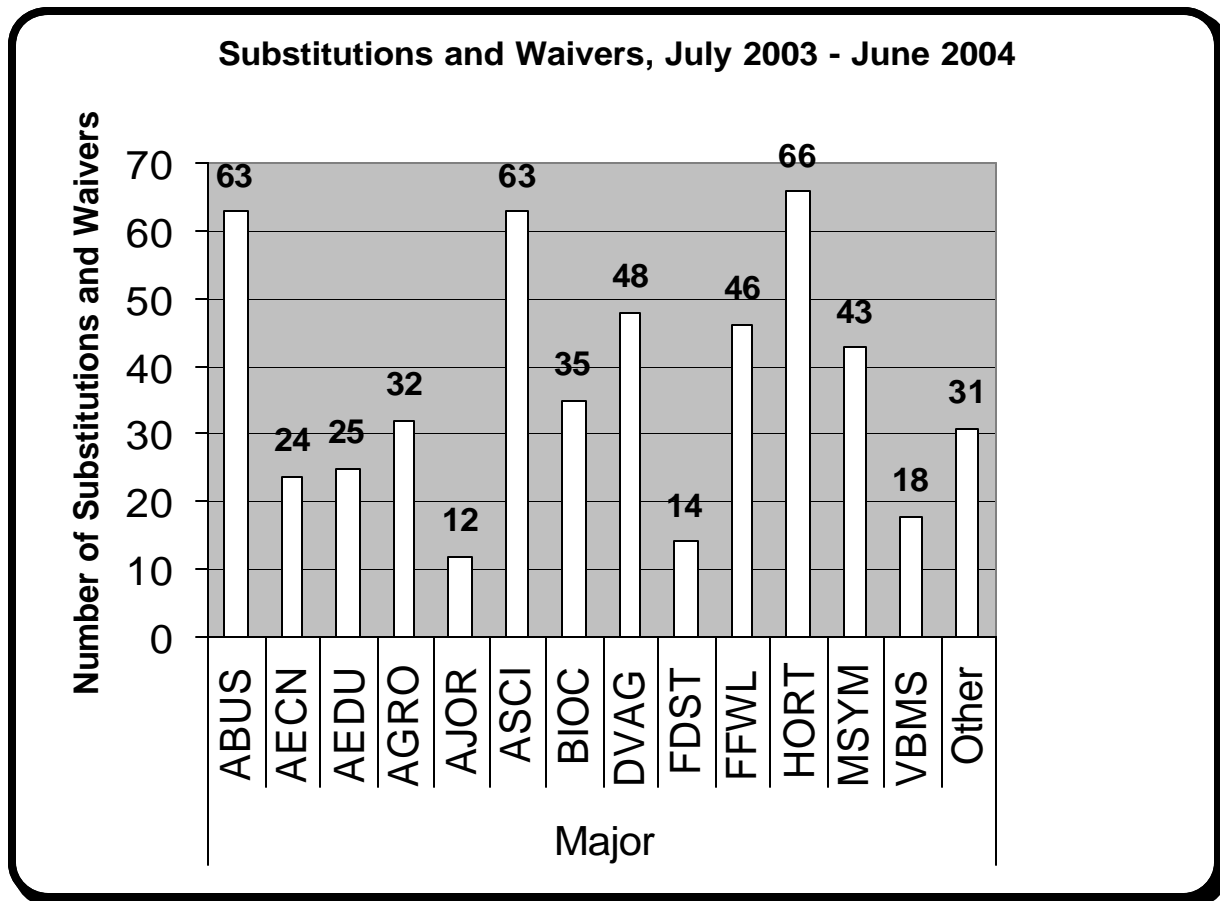
Donald P. Weeks	Professor		0.40		0.60	Head, Plant Molecular Biology
Biological Systems Engineering						
Viacheslav I. Adamchuk	Asst. Professor	0.10	0.40	0.50		Precision Agriculture
Gregory R. Bashford	Asst. Professor	0.50	0.50			Biomedical Engineering
Leonard L. Bashford	Professor	0.30	0.20		0.50	Tractors and Design Engineering
William P. Campbell	Assoc. Professor	0.70		0.30		Agricultural Systems
Dean E. Eisenhauer	Professor	0.50	0.50			Surface Irrigation and Chemigation
David D. Jones	Assoc. Professor	0.65	0.35			Product Handling and Storage
Michael F. Kocher	Assoc. Professor	0.60	0.40			Controls Engineer
Derrel L. Martin	Professor	0.35	0.65			Interim Head, Sprinkler Irrigation
George E. Meyer	Professor	0.40	0.60			Plant Growth Modeling
Jack L. Schinstock	Professor	1.00				Electrical and Hydraulic Systems
Dennis D. Schulte	Professor	0.50	0.50			Pollution Control and Energy Systems
Richard R. Stowell	Asst. Professor	0.25		0.75		Animal Environment Engineering
Curtis L. Weller	Professor	0.20	0.60		0.20	Food and Bioprocess Engineering
Entomology						
Stephen D. Danielson	Assoc. Professor	0.40	0.60			Insect Ecology
Marion D. Ellis	Assoc. Professor	0.20		0.80		Apiculture
Tiffany M. Heng-Moss	Asst. Professor	0.80	0.20			Insect-Plant Interactions
Leon G. Higley	Professor	0.20	0.80			Insect Ecology
David L. Keith	Professor	0.30		0.70		Urban Entomology
Z B Mayo	Professor		0.29	0.11	0.60	Head, Aphid Genetics
Lance J. Meinke	Professor	0.20	0.80			Soil Insects
Brett C. Ratcliffe	Professor	0.20	0.80			Systematics of Scarabaeidae
Blair D. Siegfried	Professor	0.20	0.80			Insect Toxicologist
David W. Stanley	Professor	0.22	0.78			Insect Physiologist
Food Science and Technology						
Andrew K. Benson	Assoc. Professor	0.40	0.60			Food Microbiology
Lloyd B. Bullerman	Professor	0.20	0.70	0.10		Food Microbiology/Mycology
Susan L. Cuppett	Professor	0.60	0.40			Food Lipids
Robert W. Hutkins	Professor	0.35	0.65			Food Biotechnology
John H. Rupnow	Professor	0.75		0.25		Food Biochemistry/Microbiology
Vicki L. Schlegel	Asst. Professor	0.10	0.90			Quality Assurance
Durward A. Smith	Assoc. Professor	0.15	0.25	0.60		Food Processing
Stephen L. Taylor	Professor	0.10	0.16	0.14	0.60	Head, Food Toxicology
Randy L. Wehling	Professor	0.50	0.50			Food Analysis
Curtis L. Weller	Professor	0.20	0.60		0.20	Food and Bioprocess Engineering
*Georgianna Whipple	Recruitment Coord.	1.00				Recruitment
Michael G. Zeece	Professor	0.25	0.75			Food Protein Chemistry
Plant Pathology						

Martin B. Dickman	Professor	0.15	0.85			Genetics of Host/Parasite Interactions
Leslie C. Lane	Assoc. Professor	0.25	0.75			Virus Diseases
Amitava Mitra	Assoc. Professor	0.10	0.90			Plant Molecular Biology/Gene
James E. Partridge	Assoc. Professor	0.75	0.25			Host/Parasite Intersection/Stress
Thomas O. Powers	Assoc. Professor	0.10	0.90			Nematology Regulation
James R. Steadman	Professor	0.10	0.90			Epidemiology of Vegetable Disease
Anne M. Vidaver	Professor	0.04	0.30	0.06	0.60	Head
Gary Y. Yuen	Assoc. Professor	0.15	0.85			Soil Borne Diseases
School of Natural Resources						
*James Alfano	Assoc. Professor	0.12			0.88	PSI Genetics of Plant-Bacterial Interactions
Tala N. Awada	Asst. Professor	0.20	0.80			Physiological Plant Ecology
James R. Brandle	Professor	0.30	0.41		0.29	Forestry/Windbreaks
Xun-Hong Chen	Assoc. Professor	0.08	0.75	0.17		Hydrogeology
Steven Comfort	Assoc. Professor	0.10	0.75	0.15		Soil Environmental Chemist
*Patricia Freeman	Professor		0.75	0.25		Mammalian Biology; Vertebrate Biology
Hugh Howard Genoways	Professor	0.11	0.11		0.53	Museum Studies
David C. Gosselin	Professor	0.10	0.65	0.25		Earth Science
*Steven D. Harris	Asst. Professor				1.00	PSI Genetics of Fungal Morphogenesis
F. Edwin Harvey	Assoc. Professor	0.20	0.70	0.10		Hydrogeology
Kyle D. Hoagland	Professor	0.27	0.53	0.20		Limnology
John C. Holz	Asst. Professor	0.15	0.12	0.13	0.60	Limnology, Lake Management
Qi S. Hu	Assoc. Professor	0.10	0.55	0.35		Regional/Global Climate Variations
Kenneth G. Hubbard	Professor	0.10	0.67	0.20	0.03	Agricultural Climatology
Scott E. Hygnstrom	Professor	0.30		0.35	0.35	Wildlife
J. Michael Jess	Senior Lecturer	0.20	0.50	0.30		Water Science
Robert D. Kuzelka	Assoc. Professor	0.35	0.30	0.35		Natural Resources Policy and Planning
Mark S. Kuzila	Professor				1.00	Director
James W. Merchant	Professor	0.25	0.45	0.30		Geographic Information Systems
Edward J. Peters	Professor	0.75	0.25			Fisheries
Larkin A. Powell	Asst. Professor	0.60	0.40			Conservation Biologist/Animal Ecologist
*Karl Reinhard	Assoc. Professor	0.25	0.60	0.15		Human Dimensions, Environmental Archaeology
Donald C. Rundquist	Professor	0.35	0.65			Remote Sensing
Patrick J. Shea	Professor	0.10	0.80	0.10		Environmental Chemistry of Xenobiotics
Joseph M. Skopp	Assoc. Professor	0.50	0.50			Soil Physics and Solute Transport in Soils
Richard Aj Tyre	Asst. Professor	0.40	0.60			Wildlife Population Ecology
*Karin van Dijk	Rch. Asst. Prof.				1.00	Gene Silencing
Shashi B. Verma	Professor	0.15	0.85			Agricultural Meteorology

Elizabeth A. Walter-Shea	Professor	0.35	0.65			Agricultural Meteorology
David A. Wedin	Assoc. Professor	0.40	0.60			Ecology
Albert Weiss	Professor	0.15	0.85			Agricultural Meteorology
Donald A. Wilhite	Professor	0.10	0.87		0.03	Agricultural Climatology
C W Zanner	Asst. Professor	0.30	0.60	0.10		Soil Geomorphology
Statistics						
Christopher R. Bilder	Asst. Professor	0.20	0.25		0.55	Statistical Consultant
Erin E. Blankenship	Asst. Professor	0.45	0.55			Statistical Consultant
Kent M. Eskridge	Professor	0.40	0.60			Statistical Consultant
Bernhard Harris	Visiting Prof.	1.00				Statistical Consultant
Stephen D. Kachman	Assoc. Professor	0.25	0.75			Statistical Consultant
David B. Marx	Professor	0.50	0.50			Statistical Consultant
Allan L. McCutcheon	Professor	0.25			0.75	Statistical Consultant
Mingue Park	Asst. Professor	0.45	0.45		0.10	Statistical Consultant
Anne M. Parkhurst	Professor	0.50	0.50			Statistical Consultant
Walter W. Stroup	Professor	0.25	0.25		0.50	Head
Min Yang	Asst. Professor	0.45	0.45		0.10	Statistical Consultant
Veterinary and Biomedical Sciences						
Raul G. Barletta	Assoc. Professor	0.10	0.90			Molecular Biology
*Michael P. Carlson	Lecturer	0.15	0.85			Analytical Toxicology
Jeffrey D. Cirillo	Assoc. Professor	0.15	0.85			Infectious Diseases
Ruben O. Donis	Professor	0.30	0.70			Molecular Virology
Gerald E. Duhamel	Professor	0.10	0.80		0.10	Diagnostic/Research Pathology
Clinton J. Jones	Professor	0.10	0.90			Molecular Virology
Clayton L. Kelling	Professor	0.35	0.65			Research Virology
Rodney A. Moxley	Professor	0.10	0.90			Diagnostic/Research Pathology
*Asit K. Pattnaik	Assoc. Professor		1.00			Virology
John A. Schmitz	Professor	0.08	0.26	0.06	0.60	Head
Subramaniam Srikumaran	Professor	0.15	0.85			Immunology

SUBSTITUTIONS AND WAIVERS

The Substitution and Waiver forms give students the opportunity to request a substitution or waiver of a CASNR core or departmental requirement. The form is initiated by the student and approved by the student's adviser and the Department Head, and then sent to the Dean's Office for review and final signature. Students must file request for substitutions and waivers involving courses within the basic four-year curriculum in CASNR before the start of the fall semester for December graduates, before the start of the spring semester for May graduates and prior to the last day of classes spring semester for August graduates. The table below illustrates the number of requests from each major. Majors in the 'other' category include those majors with 10 or fewer substitution requests. Those majors consist of ALEC, BSEN, ENVR, GRAS, GRLS, RNGE, SOIL, and VETT.



UNDERGRADUATE ENROLLMENT

The following table reports enrollment in each CASNR major for the fall 2003 semester.

Major	Freshmen	Sophomore	Junior	Senior	2nd Major	Unclassified	Total
B.S. in Agricultural Sciences							
Agribusiness	33	33	61	64			191
Agricultural Economics	5	4	12	22			43
Agricultural Education	6	10	11	28			55
Agricultural Journalism	2		2	7			11
Agronomy	8	14	17	38			77
Animal Science	42	37	44	50	1		174
Biochemistry	8	10	20	26			64
Diversified Agricultural Studies	8	7	11	38			64
Food Science and Technology	14	8	9	10			41
Grazing Livestock Systems	2	2	4	5			13
Horticulture	18	20	44	59	3		144
Mechanized Systems Management	13	14	21	25			73
Veterinary Science	37	26	19	27			109
Veterinary Technologist		1		6			7
Undecided Agricultural Sciences	3	4		2			9
B.S. in Natural Resources							
Environmental Soil Science			1				1
Environmental Studies	7	5	8	8			28
Fisheries and Wildlife	24	17	23	36		1	101
Natural Resource Environmental Economics	2	2	1	1			6
Preforestry	1	1					2
Preveterinary Medicine	7	4	1		2		14
Professional Golf Management	10	4	5				19
Rangeland Ecosystems				1			1
Soil Science				1			1
Water Science	1			2			3
UNO	3	8	2	1		1	15
Grand Total	254	231	316	457	6	2	1266

Source: Institutional Research and Planning

GRADUATE STUDENT ENROLLMENT

Graduate student data represents students enrolled on the sixth-day census (Fall, 2003) and non-enrolled students actively pursuing graduate degrees. CASNR graduate students remained stable from Fall 2002 to Fall 2003. Thirty-six percent of all students are in Ph.D. programs; 43% of all graduate students (enrolled and non-enrolled) are female, which is similar to 2002; and 11.2% of our students are advised by CASNR faculty, but receive their degrees through graduate programs outside of the College. Thirty-three percent of our graduate students are not enrolled in CASNR graduate majors on the sixth day of the fall semester. Fourteen percent of all graduate students (90) are enrolled in distance-delivered graduate programs, similar to last year.

College of Agricultural Sciences and Natural Resources

Major/Unit	M.S.		Ph.D.		Totals				
	Men	Women	Men	Women	1999	2000	2001	2002	2003
Agricultural Economics	20	8	4	4	26	36	37	35.5	36
Aq. Leadership, Education & Comm. (1)	22	39	5	20.5	35	46	63	84	86.5
Agronomy	26.5	18	29	7	119	98	82.5	75	80.5
Animal Science	15.5	20	26	11	88	87	85.5	79	72.5
Biochemistry	2	0	18	11	31	28	36	33	31
Biological Systems Engineering (2)	13.5	4	6	2.5	26	30.5	30	21	26
Entomology	57	36	6	9	64	75	95	94	108
Food Science and Technology	8.5	9	5	10.5	44	48	43.5	41	33
Horticulture* (3)	4	6	3	1	15	19	12	15.5	14
Master of Agriculture	6	2	NA	NA	NA	NA	NA	10	8
Mechanized Systems Management	4	0	NA	NA	7	7	5	6	4
Plant Pathology (4)	2	4	4	6	8	16	9	12	16
School of Natural Resources (5)	14/12**	12/7**	19	9	44	64.5	57.5	88	73
Statistics	21.5	11	3.5	1.5	15	17	15	30.5	37.5
Veterinary and Biomedical Sciences (6)	8	7	7	8	36	33	40	31.5	30
Totals	236.5	183	135.5	101	558	605	611	656	656
Percentage distribution	56.4%	43.6%	57.3%	42.7%					
Grand Totals	419.5		236.5		558	605	611	656	656

* Includes Horticulture MS and Horticulture and Forestry Ph.D. programs

** Master of Arts degrees

(1) = Ph.D./Ed.D. students obtain degrees in the College of Education and Human Sciences.

(2) = Engineering degrees are offered through the College of Engineering and Technology

(3) = The Ph.D. program is in the Horticulture and Forestry major.

(4) = Degrees obtained through the School of Biological Sciences.

(5) = The Ph.D. program is in the Horticulture and Forestry major, or other departments.

(6) = Some Ph.D. degrees are offered through UNMC.

SCHOLARSHIP REPORT

CASNR is proud to have the opportunity to help students get the quality education they seek at the University of Nebraska-Lincoln. Through various donors and alumni supporters, CASNR was able to distribute \$629,269 for the upcoming school year in the form of 648 individual awards, averaging \$955 per award. Based upon such criteria as academic achievement, extracurricular involvement, and financial need, scholarships awarded through CASNR are and will continue to support the College's outstanding students. A comprehensive summary of CASNR scholarships is offered in the "Scholarships Awarded" section of the Annual Report, directly following the Dean's List.

Name	Scholarship	Amount
Cody Adams	Foner, Glen and Esther	\$1,000
Alyse Aerts	Holling Memorial	\$1,000
Kristin Ahrens	Eighmy, Mervin	\$1,200
Zachary Alger	Morrison, Ken	\$1,000
George Allan	Mussehl, Frank E. and Inez	\$1,000
Clifton Anderson	Schulz, Erwin and Dorothy Schulz	\$500
Cole Anderson	Cole Anderson	\$1,500
Drew Anderson	Clara S. Tillotson Memorial Upperclass	\$2,000
Drew Anderson	Dr. and Mrs. C. C. Willans Memorial	\$500
Drew Anderson	Holling Memorial	\$550
Jonathan Anderson	Holling Memorial	\$600
Timothy Anderson	Booth, Charles E.	\$900
Timothy Anderson	Oak B. Smith/Wenger Manufacturing	\$1,250
Mandilyn Armour	Foner, Glen and Esther	\$1,000
Brian Arnold	Schulz, Erwin and Dorothy Schulz	\$600
Raven Asche	Holling Memorial	\$1,100
Adrienne Auch	Kubie, Raymond and Annette	\$1,500
Adrienne Auch	Seabury, Vernon H.	\$500
Renee Baack	McKelvie, Samuel and Martha	\$1,500
Donna Bader	Lancaster County Farm Bureau	\$750
Jordan Bader	McKelvie, Samuel and Martha	\$1,500
Anthony Barada	Holling Memorial	\$1,200
Anthony Barada	Randall Schilling	\$854
Zachary Bartak	Schulz, Erwin and Dorothy Schulz	\$300
Ashley Batie	Holling Memorial	\$1,100
Zachary Bauman	Holling Memorial	\$1,200
Kylie Bearnes	Holling Memorial	\$1,200
Emily Becker	Holling Memorial	\$1,000
Jonathan Becker	Holling Memorial	\$1,200

Kimberly Becker	A.W. and Edith H. Epp	\$500
Kimberly Becker	Munter Ag Ambassador	\$1,000
Kimberly Becker	Mussehl, Frank E. and Inez	\$1,000
Steve Beckman	Oak B. Smith/Wenger Manufacturing	\$1,000
Steven Beckman	Lancaster County Farm Bureau	\$750
Amy Bell	Schulz, Erwin and Dorothy Schulz	\$600
Ryan Betka	Holling Memorial	\$500
Kyle Blakeman	Keith and Alvina Strough Memorial	\$1,500
Kyle Blakeman	Wilkins, Allegra	\$1,100
Trent Blare	Cenex Harvest States	\$750
Trent Blare	Val and Marie Kuska 4H	\$678
Elizabeth Bloss	Morrison, Ken	\$100
Mark Bloss	Kedrin S. Lewis Memorial	\$1,800
Mindy Boehr	Holling Memorial	\$1,200
Scott Bohaty	Herman and Alice Kohrs	\$773
Scott Bohaty	Rockie, William and Edith	\$950
Teldon Bohlender	Holling Memorial	\$1,000
Staci Bohling	Earl and Bertha Ramsey	\$600
Leah Bomberger	Herman and Alice Kohrs	\$773
Leah Bomberger	Water Quality	\$123
Kim Bontrager	Holling Memorial	\$1,200
David Borer	Holling Memorial	\$600
Chris Borgelt	Mussehl, Frank E. and Inez	\$1,000
Kristi Boswell	Holling Memorial	\$1,200
Kristi Boswell	Nebraska Cooperative Council	\$800
Kristi Boswell	Schwartz, Kenneth E. Memorial	\$500
Neil Bouray	Foner, Glen and Esther	\$1,000
Kevin Boyd	Wenke, George	\$1,000
Nathan Brabec	Morrison, Ken	\$1,000
Nathan Brabec	Morrison, Ken	\$1,000
Kylie Brand	Mussehl, Frank E. and Inez	\$2,100
Alex Brandes	Schulz, Erwin and Dorothy Schulz	\$600
Karl Brauer	Kellett, Leo	\$2,000
Karl Brauer	Ralph A. Elliott Memorial	\$1,000
David Bray	Ella Husted and Lucius I. Frisbie Memorial	\$572
Geoffrey Bray	Lampert Family	\$1,000
Heather Bredthauer	Drake, Luther	\$500
Nicolette Brenton	Hixson, Ephriam and Veallon Memorial	\$600
Nicolette Brenton	Holling Memorial	\$1,200
Kimberly Bristol	Holling Memorial	\$1,200
Benjamin Britten	Goke, Portia	\$1,500
Tiffany Brown	Schulz, Erwin and Dorothy Schulz	\$500
Bob Buckley	Holling Memorial	\$550
Delia Buerstetta	Ronald M. Case	\$750

Delia Buerstetta	William McGeachin	\$1,083
Leslie Burchell	Clara S. Tillotson Memorial Upperclass	\$2,500
Craig Burda	Seabury, Vernon H.	\$500
Craig Burda	Stuart, Charles Memorial	\$1,500
Todd Burda	Baldrige, Jim	\$600
Todd Burda	Hedlund, Floyd F.	\$330
Todd Burda	Taylor, Earl R.	\$500
Michael Burgert	Holling Memorial	\$500
Michael Burgert	Professor J.C. Russel Memorial	\$1,000
Jessica Burke	Holling Memorial	\$1,000
Janee Burks	Berger, Ida Wilkens	\$1,500
Megan Cada	McGinnis, George C.	\$1,450
Casey Cain	Drake, Luther	\$500
Casey Cain	Wildwood Trust	\$1,000
Cody Carlson	Holling Memorial	\$1,200
Charles Caruso	Cornish	\$625
Nathan Cernik	Lampert Family	\$1,000
Rebecca Chain	Holling Memorial	\$1,200
Elizabeth Chretien	McKelvie, Samuel and Martha	\$1,500
Joshua Chrisman	Lewis, Glen and Bertha	\$800
Bryon Chvatal	Schulz, Erwin and Dorothy Schulz	\$700
Erin Chvatal	Lampert Family	\$1,000
Kenzi Clark	Holling Memorial	\$1,000
Michaela Clark	Holling Memorial	\$1,000
Ashley Colglazier	Eighmy, Mervin	\$1,200
Laura Conroy	Holling Memorial	\$1,000
Chere Cook	Holling Memorial	\$1,200
Quentin Cooksley	College of Agricultural Sciences and Natural Resources	\$750
Joshua Cool	Bestor, Daniel	\$1,000
Joshua Cool	Dennis Thompson Crop Improvement	\$500
Joshua Cool	Henry M. Beachell Agronomy Club	\$1,500
Jodi Corbin	Dwight F. Stephans	\$1,000
Jodi Corbin	Holling Memorial	\$550
Kelly Corman	Holling Memorial	\$1,000
Kelly Corman	Izaak Walton League NE	\$500
Daryl Crook	Wenke, George	\$1,000
Amy Cropp	CERES Club	\$700
Tyson Crosby	Schulz, Erwin and Dorothy Schulz	\$600
Meredith Cruse	Lampert Family	\$1,000
Matthew Cunningham	Adams, Dr. John L. and Dorothy H.	\$1,000
Zachary Cunningham	Lampert Family	\$1,000
Jessica Daehnke	Hixson, Ephriam and Veallon Memorial	\$300
Kosivi Dantey	McKelvie, Samuel and Martha	\$1,500
Samuel De LaGuardia	Wolf, Governor Dale and Clarice	\$1,000

Eric Deerson	Animal Science Freshman	\$500
Eric Deerson	Schulz, Erwin and Dorothy Schulz	\$600
Katie Deerson	Hixson, Ephriam and Veallon Memorial	\$300
Michelle Demerath	Holling Memorial	\$1,000
Tyson Dinslage	Stuart, Charles Memorial	\$1,500
Michelle Dipple	Wenke, George	\$1,000
Daniel Dobesh	Lampert Family	\$1,000
Nicholas Dobesh	William McGeachin	\$1,083
Katherine Dodge	Lampert Family	\$1,000
Renee Domeier	Holling Memorial	\$1,000
Anthony Dowling	Cenex Harvest States	\$750
Anthony Dowling	Goke, Portia	\$1,500
Anthony Driscoll	Schulz, Erwin and Dorothy Schulz	\$600
Derek Drost	Frank D. Keim Memorial	\$1,500
Derek Drost	Holling Memorial	\$550
Sara Duhacek	McKelvie, Samuel and Martha	\$1,500
Bradley Earl	Wenke, George	\$1,000
Katherine Easley	Holling Memorial	\$1,100
Craig Ebel	Wenke, George	\$1,000
Matthew Echtenkamp	Holling Memorial	\$1,000
Lesha Eggers	McKelvie, Samuel and Martha	\$1,500
Shaundra Eichstadt	Holling Memorial	\$1,000
Jeffery Eihusen	Holling Memorial	\$1,200
Neal Ely	Bestor, Daniel	\$600
Neal Ely	CASNR	\$250
Effie Epke	Holling Memorial (Goke, Portia)	\$1,380
Effie Epke	Munter Ag Ambassador	\$1,000
Brandon Esau	Morrison, Ken	\$1,000
Jeffrey Faimon	Larrick, David H. and Annie E.	\$1,200
Elizabeth Farrow	Drake, Luther	\$700
Anthony Fehr	Holling Memorial (Goke, Portia)	\$1,500
Aaron Fehringer	Frank and Margaret Leu	\$750
Aaron Fehringer	Joseph O. Young	\$750
Daniel Ferrell	John Deere Dealership Management	\$1,000
Andrew Fiala	Holling Memorial (Eighmy, Mervin)	\$1,200
Lindsey Filbert-Richters	Mussehl, Frank E. and Inez	\$1,000
Lindsey Filbert-Richters	William McGeachin	\$1,083
Anthony Finke	Foner, Glen and Esther	\$1,000
Cara Fisher	Cornish	\$1,000
Cara Fisher	Morrison, Ken	\$700
Nicole Forsell	Holling Memorial	\$1,100
Julia French	Holling Memorial	\$1,200
Genna Frenzen	McGinnis, George C.	\$1,450
Tessa Frenzen	Goke, Portia	\$1,000

Jeanine Frey	Ulrich Memorial	\$1,000
Katherine Frey	Holling Memorial	\$1,100
Katherine Frey	Munter Ag Ambassador	\$1,000
Kent Fricke	Wildwood Trust	\$1,000
Adam Fritz	Holling Memorial	\$600
Pamela Fry	McGinnis, George C.	\$1,450
Benjamin Fullner	Holling Memorial	\$400
Raela Gadeken	Berger, Ida Wilkens	\$1,500
Danielle Gage	Drake, Luther	\$500
Gary Garms	Drake, Luther	\$700
Jonie Garwood	Mussehl, Frank E. and Inez	\$600
Chelsea Gehring	Holling Memorial (Eighmy, Mervin)	\$1,000
Chelsea Gehring	Kenneth Miller Memorial	\$200
Aine Gianoli	McGinnis, George C.	\$1,450
Makeda Gilliam	Drake, Luther	\$1,000
Michael Gillilan	Joseph O. Young	\$2,000
Michael Gillilan	William McGeachin	\$1,083
Micheal Gillilan	Stock Seed Farm-Lawrence C. Newell	\$1,000
Robert Gilmore	Holling Memorial	\$1,000
Jennafer Glaesemann	Morrison, Ken	\$1,000
Nathan Glaesemann	Arthur W. and Viola Thompson	\$1,000
Nathaniel Glaesemann	Holling Memorial	\$600
Kyle Goedeken	Bestor, Daniel	\$1,000
Ann Gotschall	Baldrige, Jim	\$500
Anna Gotschall	CASNR	\$250
Mollie Grim	Votaw Vinton, Christine Memorial	\$580
Daniel Grotz	Gard, Alvin J.	\$700
Anneke Gustafson	Holling Memorial	\$600
Tracy Hadenfeldt	Goke, Portia	\$1,500
Cheryl Halstead	Cenex Harvest States	\$750
Cheryl Halstead	Holling Memorial	\$550
Cheryl Halstead	Kellett, Leo	\$2,000
Adam Hamlin	Walter A. and Alice V. Rockwell	\$1,000
Adam Hamling	Holling Memorial	\$600
William Hams	Lemley, James W. and Anna M.	\$600
Cole Hansen	Larrick, David H. and Annie E.	\$1,200
Michael Hansen	Holling Memorial	\$600
Nicole Hanson	McGill, D.P.	\$1,100
Jennifer Harbison	Goke, Portia	\$1,000
Kaylene Harms	Loewenstein, John	\$1,000
Kaylene Harms	Morrison, Ken	\$100
Kaylene Harms	Wolf, Governor Dale and Clarice	\$700
Kurtis Harms	Berger, Ida Wilkens	\$700
Kurtis Harms	Loewenstein, John	\$1,000

Nerissa Harry	Hopt, Erwin	\$1,000
Natalie Hart	Holling Memorial	\$1,000
Jared Hartman	Wehr, Albert C. and Katherine Memorial	\$1,500
Yoshiaki Hasegawa	Holling Memorial	\$500
Bonnie Hassler	Younkers-Farm Aid	\$1,000
Amber Haugland	Capital City Kiwanis Club	\$300
Amber Haugland	Foner, Glen and Esther	\$1,000
Amber Haugland	Wenke, George	\$1,000
Ross Havlat	Holling Memorial	\$1,000
Kelly Heather	Joseph O. Young	\$1,500
Sarah Heidzig	Animal Science Student Ambassador	\$1,000
Sarah Heidzig	Holling Memorial	\$600
Sarah Heidzig	William J. and Hazel J. Loeffel	\$1,000
Rebecca Heilman	Drake, Luther	\$700
Adam Heimes	Wehr, Albert C. and Katherine Memorial	\$1,200
Jeffery Heinrich	Cenex Harvest States	\$750
Jeffrey Heinrich	Eighmy, Mervin	\$1,000
Brad Heinrichs	A.W. and Edith H. Epp	\$500
Bradley Heinrichs	Stuart, Charles Memorial	\$1,500
Landon Heinrichs	Younkers-Farm Aid	\$500
Aaron Herz	Larrick, David H. and Annie E.	\$1,200
Nicole Heywood	Mussehl, Frank E. and Inez	\$750
Abby Hird	Capital City Kiwanis Club	\$300
Abby Hird	Clara S. Tillotson Memorial Upperclass	\$2,500
Abby Hird	Goke, Portia	\$1,500
Abby Hird	Roger D. Uhlinger Memorial	\$500
Lisa Hoffman	Schwartz, Kenneth E. Memorial	\$500
Tanner Hoffman	Holling Memorial	\$1,100
Tanner Hoffman	John Deere Dealership Management	\$1,000
Michael Hofmeister	Eighmy, Mervin	\$1,000
Amanda Hoge	Cornish	\$750
Amber Holl	CASNR	\$1,000
Krista Holstein	Animal Science Freshman	\$500
Krista Holstein	Loewenstein, John	\$1,000
Kristina Holt	Mike Cull Block and Bridle Judging	\$500
Kristina Holt	Shear Miles Agriculture	\$1,000
Michael Holtmeier	Holling Memorial	\$1,100
Misty Homolka	Younkers-Farm Aid	\$1,000
Jeffrey Hoover	Clara S. Tillotson Memorial Freshman	\$3,000
Jeffrey Hoover	Drake, Luther	\$500
Ashlee Hopkins	Holling Memorial	\$1,000
Brent Hopkins	A.W. and Edith H. Epp	\$500
Brenton Hopkins	Holling Memorial	\$600
Jeremy Horst	A.W. and Edith H. Epp	\$500

Jacob Huebner	Bestor, Daniel	\$600
Jennifer Huebner	LK Crowe	\$300
Jennifer Huebner	Mussehl, Frank E. and Inez	\$1,500
Jennifer Huebner	Nebraska Food Industry Association	\$500
Zachary Hunnicutt	Holling Memorial	\$1,200
Zachary Hunnicutt	Jorgensen, Frances	\$1,000
Zachary Hunnicutt	Mussehl, Frank E. and Inez	\$1,200
Adriel Husereau	Hopt, Erwin	\$750
Brynn Husk	Drake, Luther	\$500
Troy Ingram	Randall, Harriet T.	\$900
Jordan Iverson	Eberle, George I.	\$500
Jordan Iverson	Schulz, Erwin and Dorothy Schulz	\$600
Lynn Jacobs	Lampert Family	\$1,000
Rachel Janousek	Holling Memorial	\$1,200
Sabrina Jansma	Goke, Portia	\$1,500
Sabrina Jansma	Lincoln Coca Cola Bottling Company	\$1,000
Jason Janssen	Kellett, Leo	\$1,700
Scott Jarecki	Krisl, Emily Trust	\$800
Aaron Jensen	Hatch, Thomas C. and Abbie	\$1,430
Anthony Jensen	Hatch, Thomas C. and Abbie	\$1,430
James Jensen	Clara S. Tillotson Memorial Freshman	\$1,000
James Jensen	Schulz, Erwin and Dorothy Schulz	\$600
Nathan Jacobitz	Holling Memorial	\$1,000
Valerie Johnsen	Holling Memorial	\$1,500
Jennifer Johnson	Kemp, Mildred	\$1,000
Libby Johnson	McKelvie, Samuel and Martha	\$1,500
Libby Johnson	Nutrition Service Associates	\$500
Libby Johnson	Nutrition Service Associates	\$500
Sarah Joy	Krisl, Emily Trust	\$700
Andrew Kabes	Morrison, Ken	\$1,000
Lindsay Kampbell	Animal Science Student Ambassador	\$1,000
Lisa Kasal	Wenke, George	\$1,000
Charlene Kastanek	Goke, Portia	\$1,500
Kathryn Kasten	Schulz, Erwin and Dorothy Schulz	\$600
Marsh Kathryn	Mussehl, Frank E. and Inez	\$1,500
Leslie Kattelman	Drake, Luther	\$500
Aaron Kavan	Lemley, James W. and Anna M.	\$500
Aaron Kavan	Nebraska Pork Producers Association Freshman	\$500
Aaron Kavan	Schulz, Erwin and Dorothy Schulz	\$600
Todd Kavan	Lampert Family	\$1,000
Todd Kavan	Morrison, Ken	\$500
Elizabeth Keep	Clara S. Tillotson Memorial Upperclass	\$2,500
Elizabeth Keep	Goke, Portia	\$1,500
Kevin Keller	John C. Swinbank Memorial Agronomy	\$1,000

Kevin Keller	Thomas H. Goodding Memorial	\$500
Kelsey Kerwin	Morrison, Ken	\$500
Kassandra Ketteler	Younkers-Farm Aid	\$500
Elizabeth Kilzer	Capital City Kiwanis Club	\$300
Elizabeth Kilzer	Holling Memorial	\$1,200
Aneta Klekotko	Goke, Portia	\$1,000
Jill Klepper	Bluhm, Gary and Jeanne	\$880
Jill Klepper	CASNR	\$250
Wade Klopping	Berger, Ida Wilkens	\$1,500
Bryce Knobbe	Younkers-Farm Aid	\$1,000
Tamra Knorr	Drake, Luther	\$700
Gregory Knudsen	Drake, Luther	\$700
Gregory Knudsen	Oak B. Smith/Wenger Manufacturing	\$1,250
Naoko Kobayashi	Herman and Alice Kohrs	\$773
Anthony Koch	Stuart, Charles Memorial	\$1,500
Jeff Koch	Izaak Walton League Platte Valley	\$300
Kori Kock	Holling Memorial	\$1,100
Patrick Koenig	Frank D. Keim Memorial	\$1,500
Chris Koliha	American Society of Farm Managers	\$300
Brandt Kopf	Foner, Glen and Esther	\$1,000
Brandt Kopf	Wenke, George	\$1,000
Brooke Korell	Center for Grassland Studies	\$1,200
Brooke Korell	Holling Memorial	\$1,200
Brooke Korell	Joseph O. Young	\$2,000
Jeffrey Korus	Eighmy, Mervin	\$900
Lisa Kot	Arthur W. and Viola Thompson	\$1,000
Lisa Kot	Holling Memorial	\$550
Lisa Kotas	Holling Memorial	\$1,200
Lisa Kotas	Izaak Walton League Roy and Sue Carlson	\$250
Lisa Kotas	Robert Boeckenhauer Memorial	\$1,000
Melanie Kouma	Clara S. Tillotson Memorial Upperclass	\$2,500
Melanie Kouma	Wayne C. Whitney Memorial	\$500
LeAnn Kriete	Cenex Harvest States	\$750
LeAnn Kriete	Holling Memorial (Goke, Portia)	\$1,500
LeAnne Kriete	Clara S. Tillotson Memorial Upperclass	\$2,500
Meggan Kroeker	Eighmy, Mervin	\$1,200
John Krohn	Wylie R. Ward	\$1,000
Christopher Krueger	Shear Miles Agriculture	\$500
Jill Kruger	Holling Memorial	\$800
Whitney Kumm	Wenke, George	\$1,000
Amber Kunc	Schwartz, Kenneth E. Memorial	\$500
Sarah LaPatka	Holling Memorial	\$1,200
Cody Lashley	A.W. and Edith H. Epp	\$500
Cody Lashley	Holling Memorial	\$1,200

James Latoski	Foner, Glen and Esther	\$1,000
James Latoski	Joseph O. Young	\$1,500
Karen Lee	Holling Memorial	\$1,200
Poi Lee	Holling Memorial	\$1,200
Casey Leif	Izaak Walton League Fremong	\$600
Nicole Leiser	Clara S. Tillotson Memorial Upperclass	\$2,000
Staci Lenertz	Lancaster County Farm Bureau	\$750
Jared Lerwick	Yount, Charles William Ed Ag	\$1,000
Brittany Lesoing	Holling Memorial	\$250
Ashley Lewis	Thomas H. Wake III	\$1,000
Justin Linder	Joseph O. Young	\$2,000
Brooke Lockner-Runyan	Holling Memorial	\$1,200
Kevin Loftis	Baker Goodding Memorial	\$1,052
Rebekah Lowe	Boettcher	\$1,500
Rebekah Lowe	Nebraska Food Industry Association	\$500
Jesse Luebbe	Holling Memorial	\$600
Paul Luebbe	Holling Memorial	\$1,000
Sarah Mack	Holling Memorial	\$1,000
Kathryn Madsen	Elander, Ethyl	\$900
Kurtis Mann	McKelvie, Samuel and Martha	\$1,500
Bradley Marcy	Morrison, Ken	\$1,000
Elizabeth Maricle	Doane	\$1,000
Morgan Marotz	Holling Memorial	\$1,000
Craig Marsh	Goke, Portia	\$1,500
Katherine Marsh	Munter Ag Ambassador	\$1,000
Amy Martin	Drake, Luther	\$700
Amy Martin	Waldo Family Farm Freshman	\$500
Siobhan Marvin-Kriegler	Drake, Luther	\$700
Loel Maschmann	Bestor, Daniel	\$1,000
Spencer Mason	Lancaster County Farm Bureau	\$750
Matthew Mastny	Foner, Glen and Esther	\$1,000
Eliot Mays	Bestor, Daniel	\$1,000
Jeffrey McBride	Henry J Kroese Production	\$1,000
Jessica McCall	American Society of Farm Managers	\$600
Jessica McCall	Cenex Harvest States	\$750
Jessica McCall	Howard H. Beermann	\$2,300
Megan McElfresh	Drake, Luther	\$1,000
Darci McGee	McKelvie, Samuel and Martha	\$1,500
Melanie McGill	Birdie E. Hutchinson 4H	\$611
Bridget McLaren	Schulz, Erwin and Dorothy Schulz	\$300
Amanda McMahan	Kellett, Leo	\$2,500
Christie McRae	Holling Memorial	\$1,000
Ross Mehaffey	Bestor, Daniel	\$1,000
Daniel Meier	College of Agricultural Sciences and Natural Resources	\$750

Ryan Meister	Orville A. Vogel	\$500
Kathryn Milius	Holling Memorial	\$1,000
Kathryn Milius	Wood, Ivan	\$1,000
Diana Miller	Kiwanis, Lincoln Northeast	\$600
Drew Miller	CASNR	\$250
Drew Miller	Wilkins, Allegra	\$1,100
Margaret Miller	Kellett, Leo	\$2,500
Margaret Miller	Mussehl, Frank E. and Inez	\$1,250
Pete Miller	Kellett, Leo	\$1,700
Ross Miller	CASNR	\$250
Ross Miller	Wilkins, Allegra	\$1,100
Dan Minarick	Holling Memorial	\$1,000
Regina Minary	Wenke, George	\$1,000
Renee Minary	Animal Science Student Ambassador	\$750
Renee Minary	Holling Memorial	\$600
Renee Minary	Max and Ora Mae Stark	\$1,000
Nicholas Molacek	Shear Miles Agriculture	\$1,000
Yuko Mori	Holling Memorial	\$1,200
Sara Morrissey	Holling Memorial	\$1,000
Isaac Mortensen	Morrison, Ken	\$800
Nathan Mueller	Dale and Marian Brainard Smith	\$1,200
Nathan Mueller	Kubie, Raymond and Annette	\$1,500
Nichole Mueller	Eighmy, Mervin	\$900
Ryan Muldoon	Holling Memorial	\$1,100
Joshua Muller	Lancaster County Farm Bureau	\$750
Abbey Munyon	Schulz, Erwin and Dorothy Schulz	\$700
Aaron Naber	Seabury, Vernon H.	\$1,000
Aaron Naber	Winkler Memorial Livestock Judging	\$300
Casey Naprstek	Mussehl, Frank E. and Inez	\$1,500
Craig Nelms	Bestor, Daniel	\$1,000
Lisa Nelson	Adams, Dr. John L. and Dorothy H.	\$980
Lisa Nelson	Jorgensen, Frances	\$500
Nathan Nelson	Schulz, Erwin and Dorothy Schulz	\$600
Paul Nelson	Clara S. Tillotson Memorial Upperclass	\$2,000
Paul Nelson	Stuart, Charles Memorial	\$1,500
Matthew Neukirch	Izaak Walton League Lincoln	\$500
Matthew Neukirk	Stuart, Charles Memorial	\$1,500
Jonathan Niebuhr	Sand, Mr. and Mrs. F.O.	\$1,400
Kelsi Niederklein	Hatch, Thomas C. and Abbie	\$715
Kelsi Niederklein	Izaak Walton League Jessie Benton Fremont	\$400
Mark Nietfeld	Lampert Family	\$1,000
John Novak	John Deere Dealership Management	\$1,000
Abby Obermiller	McKelvie, Samuel and Martha	\$1,500
Chatelle Ogea	Schulz, Erwin and Dorothy Schulz	\$600

Daniel Olsen	Agronomy Fund for Teaching	\$1,200
Candice Olson	Joseph O. Young	\$1,500
Crystal Olson	Nebraska Farmer-Glenn Buck	\$350
Corrina Oltmans	Nebraska Cooperative Council	\$800
Ashley O'Neill	Baldrige, Jim	\$1,000
David Orr	Holling Memorial	\$500
Andrew Osten	Holling Memorial (Goke, Portia)	\$1,500
Garth Ostergard	Wenke, George	\$1,000
Patrick Palmer	Nebraska Turfgrass Foundation	\$1,000
Irene Patton	Krisl, Emily Trust	\$700
Leah Paulsen	Holling Memorial	\$1,200
Michelle Pavelka	Keeffe, Grace M.	\$1,000
Megan Payne	Schulz, Erwin and Dorothy Schulz	\$500
Edwin Pearson	Eighmy, Mervin	\$1,200
Ryan Pekarek	Clara S. Tillotson Memorial Upperclass	\$2,500
Ryan Pekarek	Goke, Portia	\$1,500
Ryan Pekarek	Roger D. Uhlinger Memorial	\$350
Kurt Petersen	Bestor, Daniel	\$1,500
Kurt Petersen	Loewenstein, John	\$1,000
Jessica Peterson	Drake, Luther	\$700
Megan Peterson	Holling Memorial	\$600
Megan Peterson	Walter A. and Alice V. Rockwell	\$1,000
Elizabeth Pfeifer	Cornish	\$750
Elizabeth Pfeifer	Wilkins, Allegra	\$1,100
Pooi Phang	Holling Memorial	\$0
Chelsea Phillippe	Herman and Alice Kohrs	\$773
Chelsea Phillippee	Kubie, Raymond and Annette	\$1,500
Tonya Pick	Wehr, Albert C. and Katherine Memorial	\$1,200
Jennie Pieken	Baldrige, Jim	\$1,000
Becky Pigsley	Shear Miles Agriculture	\$1,000
Sarah Placke	Holling Memorial	\$1,000
Jason Pohlmann	Holling Memorial	\$1,200
William Pohlmeier	Berger, Ida Wilkens	\$1,500
William Pohlmeier	Maurice E. Boeckenhauer Memorial	\$1,000
Garrett Pommeranz	Mussehl, Frank E. and Inez	\$1,500
Shane Potter	Dorthea Holstein 4H	\$592
Shane Potter	Holling Memorial	\$1,000
Ashlee Poulas	Schulz, Erwin and Dorothy Schulz	\$600
Rochelle Powers	Eighmy, Mervin	\$900
Steven Prince	Morrison, Ken	\$500
Joseph Prochazka	Kellett, Leo	\$1,700
Rachel Ptacek	Lancaster County Farm Bureau	\$750
David Putensen	Izaak Walton League Grand Island	\$300
Kyle Rappold	CASNR	\$400

Amy Rasmussen	Jorgensen, Frances	\$0
Reginald Rector	Holling Memorial	\$1,000
Reginald Rector	Wood, Ivan	\$1,000
Todd Reed	Jorgensen, Frances	\$500
Rachel Reuss	Oak B. Smith/Wenger Manufacturing	\$1,250
Robert Rezac	A.W. and Edith H. Epp	\$500
Derek Richards	Lemley, James W. and Anna M.	\$800
Emily Richmond	Holling Memorial	\$1,000
Rebecca Riese	Ag Economics Faculty	\$360
Rebecca Riese	Hoesch, Albert	\$1,426
Rebecca Riese	Paul J. Hupf Memorial	\$366
Zachary Rigg	Robert N. Olson Memorial	\$1,000
Jessica Ritter	Clara S. Tillotson Memorial Freshman	\$2,500
Jessica Ritter	Morrison, Ken	\$1,000
Cody Roberts	Morrison, Ken	\$800
Joey Robison	Berger, Ida Wilkens	\$1,500
Logan Roeber	Foner, Glen and Esther	\$1,000
Adam Rogers	Holling Memorial	\$1,200
Matthew Rolling	McKelvie, Samuel and Martha	\$1,500
Matthew Rollings	Wildwood Trust	\$1,000
Kiley Roundtree	Lemley, James W. and Anna M.	\$500
Kiley Roundtree	Wilkins, Allegra	\$1,100
Tara Ruenholl	Nebraska Cooperative Council	\$800
Chandra Ruff	Mussehl, Frank E. and Inez	\$1,500
Bradley Salber	Schulz, Erwin and Dorothy Schulz	\$600
Lindsey Salestrom	Yunkers-Farm Aid	\$1,000
Holly Samson	Eighmy, Mervin	\$1,200
Heather Sasse	Cornish	\$1,250
Heather Sasse	Morrison, Ken	\$750
Chase Sauder	Henry M. Beachell Agronomy Club	\$1,500
Chase Sauder	Holling Memorial	\$600
Dustin Schaaf	Foner, Glen and Esther	\$1,000
Sandra Schaeffer	Holling Memorial	\$1,000
Nicole Scheideler	Cenex Harvest States	\$750
Nicole Scheidler	Mussehl, Frank E. and Inez	\$1,500
Jessica Schell	Holling Memorial	\$1,200
Jessica Schell	William McGeachin	\$1,083
Brant Schmall	Schulz, Erwin and Dorothy Schulz	\$700
Joshua Schmidt	Izaak Walton League NE	\$500
Nicholas Schmit	Wenke, George	\$1,000
Katie Schmitz	Eberle, George I.	\$500
Katie Schmitz	Oak B. Smith/Wenger Manufacturing	\$750
Gretja Schnell	McKelvie, Samuel and Martha	\$1,500
Nathan Schole	Goke, Portia	\$1,500

David Schroeder	Mussehl, Frank E. and Inez	\$1,500
Sara Schuessler	Schulz, Erwin and Dorothy Schulz	\$1,000
Eric Schultz	Girardin Family Student Support	\$1,000
Austin Schweitzer	Stuart, Charles Memorial	\$1,500
William Score	Schulz, Erwin and Dorothy Schulz	\$600
Jonathan Sellenrick	McKelvie, Samuel and Martha	\$1,500
Melissa Senf	Burnell	\$1,500
Melissa Senf	Holling Memorial	\$600
Derek Shaner	Larrick, David H. and Annie E.	\$1,000
Angela Shemek	Eighmy, Mervin	\$900
Mikaleh Shultz	Holling Memorial	\$1,200
Erin Siefken	Morrison, Ken	\$800
Nathan Silke	Clara S. Tillotson Memorial Freshman	\$500
Travis Simonsen	Wehr, Albert C. and Katherine Memorial	\$896
Christopher Skrdla	Drake, Luther	\$700
Rebecca Small	Yunkers-Farm Aid	\$1,000
Eric Smith	Holling Memorial	\$1,100
Eric Smith	John Deere Dealership Management	\$1,000
Kile Smith	Holling Memorial	\$550
Rik Smith	Holling Memorial	\$600
Robert Smith	Hatch, Thomas C. and Abbie	\$1,430
Robert Smith	Walter A. and Alice V. Rockwell	\$1,000
Tyler Smith	Holling Memorial	\$1,000
Alyssa Smola	Nebraska Farmer-Marvin Russell	\$400
Jackelyn Snyder	Drake, Luther	\$700
Jaclyn Snyder	Morrison, Ken	\$500
Kody Sok	Mussehl, Frank E. and Inez	\$750
Maria Sonderegger	Holling Memorial	\$1,200
Ira Spanel	Bestor, Daniel	\$1,000
Ira Spanel	Bohy, Ray and Mildred	\$500
Ira Spanel	Center for Grassland Studies	\$500
Ira Spanel	Joseph O. Young	\$1,000
Jordan Spatz	Animal Science Student Ambassador	\$1,000
Jordan Spatz	Chris and Sarah Raun Memorial	\$1,000
Jordan Spatz	Mussehl, Frank E. and Inez	\$1,500
Rachel Spatz	Animal Science Student Ambassador	\$1,000
Rachel Spatz	Goke, Portia	\$1,500
Rachel Spatz	William J. and Hazel J. Loeffel	\$1,000
Shawn Speidel	Shear Miles Agriculture	\$500
Todd Spohn	Mussehl, Frank E. and Inez	\$1,000
Joshua Stark	Booth, Charles E.	\$900
Eton Stebbins	Wildwood Trust	\$1,000
Allan Steinkraus	Goke, Portia	\$380
Allan Steinkraus	Runkel, Floyd	\$900

Allan Steinkraus	WNAX-AM Ag	\$420
Justin Stiers	Holling Memorial	\$1,200
Susan Stoud	Mussehl, Frank E. and Inez	\$1,000
Justin Stratmann	D.V. and Ernestine Stephens Freshman	\$500
Justin Stratmann	Younkers-Farm Aid	\$1,000
Stacey Stricker	Donald E. and Doris L. Taylor	\$1,256
Neil Stubblefield	Thomas H. Goodding Memorial	\$1,000
Amie Sughroue	Younkers-Farm Aid	\$1,000
Carol Sutton	Drake, Luther	\$500
Sheri Svehla	Earl and Bertha Ramsey	\$600
Colt Swanson	Holling Memorial	\$1,100
Tara Swanson	Holling Memorial	\$500
Stepanie Swearngin	Drake, Luther	\$500
Andrew Sweeney	Schulz, Erwin and Dorothy Schulz	\$600
Ryan Talley	Bestor, Daniel	\$1,000
Ryan Talley	Oak B. Smith/Wenger Manufacturing	\$1,250
Seuri Taruru	Mussehl, Frank E. and Inez	\$1,192
Lacy Teten	Holling Memorial	\$600
Michelle Tetherow-Garwood	Birdie E. Hutchinson 4H	\$611
Michelle Tetherow-Garwood	Roselle, Robert Memorial HRFS	\$400
James Thibault	Schulz, Erwin and Dorothy Schulz	\$600
Joshua Thoendel	Goke, Portia	\$1,500
Melissa Thompson	Hill, C.R. "Bob", Sr.	\$600
Brock Thorberg	Cenex Harvest States	\$750
Kayla Thorson	Clara S. Tillotson Memorial Transfer	\$2,500
Kayla Thorson	Wenke, George	\$1,000
Christopher Tietz	Hatch, Thomas C. and Abbie	\$715
Keith Tighe	Dick Monson Agronomy Award	\$1,000
Jennifer Timm	Clara S. Tillotson Memorial Upperclass	\$2,000
Jennifer Timm	Holling Memorial	\$600
Willa Toren	Earl and Bertha Ramsey	\$150
Willa Toren	Hixson, Ephriam and Veallon Memorial	\$150
Daniel Towey	Joseph O. Young	\$2,500
Daniel Towey	Wenke, George	\$1,000
Nelson Trambly	A.W. and Edith H. Epp	\$500
Nelson Trambly	Larrick, David H. and Annie E.	\$1,200
Brian Tubbs	McKelvie, Samuel and Martha	\$1,500
Joel Tyson	Schulz, Erwin and Dorothy Schulz	\$600
Jessika Uden	Animal Science Student Ambassador	\$750
Jessika Uden	Ella Husted and Lucius I. Frisbie Memorial	\$572
Jessika Uden	Holling Memorial	\$500
Justin Uhrig	Schulz, Erwin and Dorothy Schulz	\$600

Jessica Umberger	Gard, Alvin J.	\$700
Abby Van Hoef	Drake, Luther	\$700
Nicholas Van Newkirk	Yount, Charles William Ed Ag	\$1,000
Sarah Vanness	Goke, Portia	\$1,000
Nicholas VanNewKirk	Kellett, Leo	\$1,700
Barbara VanSeggern	Frank D. Keim Memorial	\$1,500
Adriana Velasquez	Mussehl, Frank E. and Inez	\$1,000
Adriana Velasquez	Oak B. Smith/Wenger Manufacturing	\$1,000
Christina Vidlak	Wilkins, Allegra	\$1,100
Aubrey Vifquain	McKelvie, Samuel and Martha	\$1,500
Gregory Vogt	Goke, Portia	\$1,000
Lindsay Volkmer	Sand, Mr. and Mrs. F.O.	\$1,400
Lindsey Volkmer	Roselle, Robert Memorial	\$400
Megan Voss	Mussehl, Frank E. and Inez	\$1,000
Megan Voss	Parr Young Outstanding Senior Merit	\$100
Megan Voss	Roselle, Robert Memorial	\$400
Richard Votipka	Younkers-Farm Aid	\$1,000
Adam Wacker	American Society of Farm Managers	\$600
Adam Wacker	Kellett, Leo	\$2,500
Adam Wacker	Munter Ag Ambassador	\$1,000
Adam Wacker	Nebraska Cooperative Council	\$800
Aaron Wagner	Bestor, Daniel	\$1,000
Aaron Wagner	Kemp, Mildred	\$1,000
Brandy Wagner	Lampert Family	\$1,000
Neil Wagner	Agronomy Freshman	\$245
Neil Wagner	Agronomy Fund for Teaching	\$1,255
Ryan Walrath	McGill, D.P.	\$1,500
Ryan Walrath	William McGeachin	\$1,083
Jill Wardell	Parr Family	\$1,000
Kristin Warner	Roselle, Robert Memorial HRFS	\$400
Susan Weber	Clara S. Tillotson Memorial Upperclass	\$2,000
Susan Weber	Holling Memorial	\$600
Neil Wegner	Bluhm Memorial	\$870
Scott Wellensiek	Sand, Mr. and Mrs. F.O.	\$640
Rachael Wells	Lancaster County Farm Bureau	\$750
Joel Wesely	Holling Memorial	\$600
Aaron Whitwer	Animal Science Freshman	\$500
Aaron Whitwer	Kenneth Reed	\$500
Aaron Whitwer	Reed, Kenneth M.	\$500
Nathan Wiese	John Deere Dealership Management	\$1,000
Brian Williams	Rockie, William and Edith	\$1,400
Michelle Wllson	Don Ringler	\$250
Richard Wilson	Wilkins, Allegra	\$1,100
Richard Wilson	William McGeachin	\$1,083

Ryan Windhorst	Goke, Portia	\$1,000
Jennifer Witte	Mussehl, Frank E. and Inez	\$1,500
Sarah Witte	Schulz, Erwin and Dorothy Schulz	\$600
Sarah Witte	Waldo Family Farm Freshman	\$500
Adam Wollenburg	Morrison, Ken	\$1,000
Dan Wondercheck	A.W. and Edith H. Epp	\$500
Daniel Wondercheck	Holling Memorial	\$600
Seng Wong	Holling Memorial	\$600
Nicholas Woods	Holling Memorial (Goke, Portia)	\$1,500
Rebecca Woolard	Holling Memorial	\$1,200
Jenilee Wortman	Outstanding Scholarship in Agriculture	\$1,040
Leann Wright	Cox, Wendell F. and Marie	\$790
Leann Wright	Hoesch, Albert	\$650
Jeremi Wurtz	Lampert Family	\$1,000
Ladonna Yandell	Northern Nut Tree Research	\$1,000
Richard Zbasnik	Eighmy, Mervin	\$1,200
Cole Zentner	Holling Memorial	\$1,200

GRANTS SUBMITTED

College of Agricultural Sciences and Natural Resources
Grants Submitted 2003-04
Listed by Primary Investigator
 These activities include leveraged funds

	Funding Agency	Sponsor Request	Other Support	Total Amount	Date Submitted	Funded
Agricultural Economics						
<i>AGE--Agribusiness Globalization Exchange.</i> Konstantinos Giannakas.	Pennsylvania State University (US Dept of Ed/FIPSE)	23,760	24,840 (UNL)	48,600	4/20/2004	
Agricultural Leadership, Education and Communication						
<i>Seamless Education for Agricultural Technicians.</i> Susan Fritz, James King, John Markwell.	NSF	864,234		864,234	10/20/2003	No
<i>Increasing Secondary Agricultural Education Student Achievement in Math and Science through Integrated Curriculum and Inquiry-Based Instructional Strategies.</i> Dann Husmann, Ron Bonnsetter.	UNL Research Office	5,000		5,000	10/1/2003	No
<i>Increasing Secondary Agricultural Education Student Achievement in Math and Science through Integrated Curriculum and Inquiry-Based Instructional Strategies.</i> Dann Husmann, Susan Fritz.	NSF	167,500		167,500	11/18/2003	No
<i>Ensuring Success: Increasing Students' Team Building and Critical Thinking Skills.</i> Susan Fritz.	USDA HEC	98,532	118,534 (UNL)	217,066	6/30/2004	Pending
<i>ALEC/AECN 388. Ethics in Agriculture and Natural Resources.</i> Gerald Parsons, Bruce Johnson.	UNL Extended Education	10,000		10,000	10/1/2003	No
<i>ALEC 800. Program Planning for Formal and Non-Formal Education Audiences.</i> Lloyd Bell, Susan Fritz.	UNL Extended Education	9,800		9,800	10/1/2003	1/14/2004

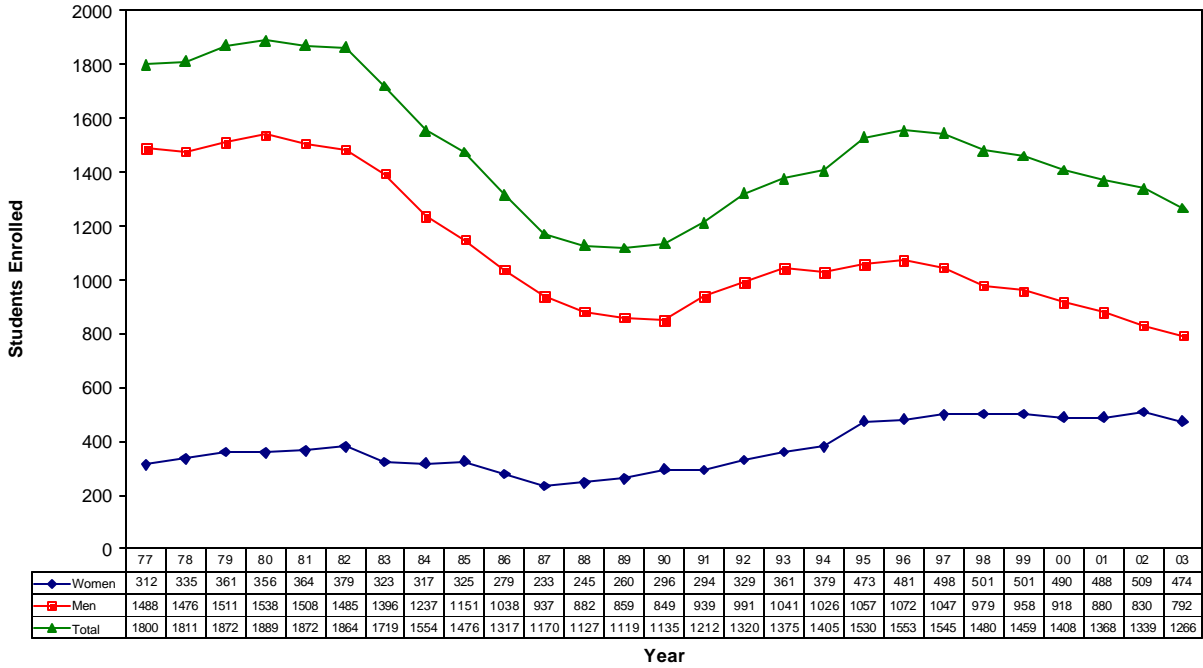
	Funding Agency	Sponsor Request	Other Support	Total Amount	Date Submitted	Funded
Agronomy and Horticulture						
<i>Action Learning in the Ecology of Food Systems.</i> Charles Francis.	US Dept of Education/ FIPSE	421,200	247,620 (UNL and Other)	668,820	10/31/2003	
<i>Learning to Think Like a Plant Scientist.</i> Don Lee, Roch Gaussoin, Kim Todd, Walt Schacht.	USDA/ ADEC Ag Telecom	35,000	68,843 (UNL)	103,843	11/24/2003	12/15/2003
<i>Human and Social Dynamics. Nebraska's Partnership for Rural Entrepreneurship and Innovation.</i> Nancy Miller, Eric Arnould, Kim Todd, Sloane Signal, Bryan Reiling.	UNL Research Office	5,000	8,700 (NPREI and UNL)	13,700	5/26/2004	
<i>Developing and Implementing an Advising Center for College of Agricultural Sciences and Natural Resources Distance Students.</i> Deana Namuth, Connie Reimers-Hild, James Partridge, John Foster, James King.	UNL Extended Education	25,000		25,000	10/1/2003	1/23/2004
Animal Science						
<i>Bovine Myology Manual.</i> Steven Jones.	National Cattlemen's Beef Association	23,250		23,250	6/29/2004	6/1/2004
Biochemistry						
<i>Development of Interdisciplinary Multimedia Modules to Enhance Learning for First-Year Life Science Students.</i> John Markwell, S Madhavan, David Brooks, Deana Namuth, George Veomett.	NSF	47,761		47,761	6/4/2004	
<i>Metabolic Profiling by NMR - Understanding Plant Disease Resistance.</i> Julie Stone.	UNL Research Council	20,000			10/15/2003	
Communications and Information Technology						
<i>Scientific Illustration.</i> Lana Johnson.	UNL Extended Education	10,000		10,000	10/1/2003	1/14/2004

	Funding Agency	Sponsor Request	Other Support	Total Amount	Date Submitted	Funded
Entomology						
<i>Insects as Educational Tools in the Classroom.</i> Tiffany Heng-Moss, Doug Golick, Connie Reimers-Hild.	UNL Extended Education	10,000		10,000	10/1/2003	No
<i>HP Technology for Teaching Grant Initiative--Higher Education Edition.</i> Leon Higley, Tiffany Heng-Moss, Douglas Golick.	Hewlett-Packard	7500		7500	3/3/2004	No
<i>Insect Phytology--Distance MS in Entomology.</i> David Stanley, Sean Putnam.	UNL Extended Education	4500		4500	1/14/2004	1/14/2004
<i>Entomology 901B - Presentation Methods.</i> Marion Ellis, Lana Johnson.	UNL Extended Education	7000		7000	10/1/2003	No
Food Science and Technology						
<i>Adherence Inhibition of Intestinal Pathogens by Anti-Adhesive.</i> Robert Hutkins.	CSREES	7,210		7,210	5/6/2004	
<i>Future Food: Providing Students with International Perspectives in Emerging Issues.</i> Michael Zeece.	US Dept of Ed/FIPSE	115,236	99,714	214,950	4/20/2004	
<i>International Graduate Program in Food Science and Technology.</i> Steve Taylor, Marcos X. Sanchez.	UNL Extended Education	10,000		10,000	12/1/2003	

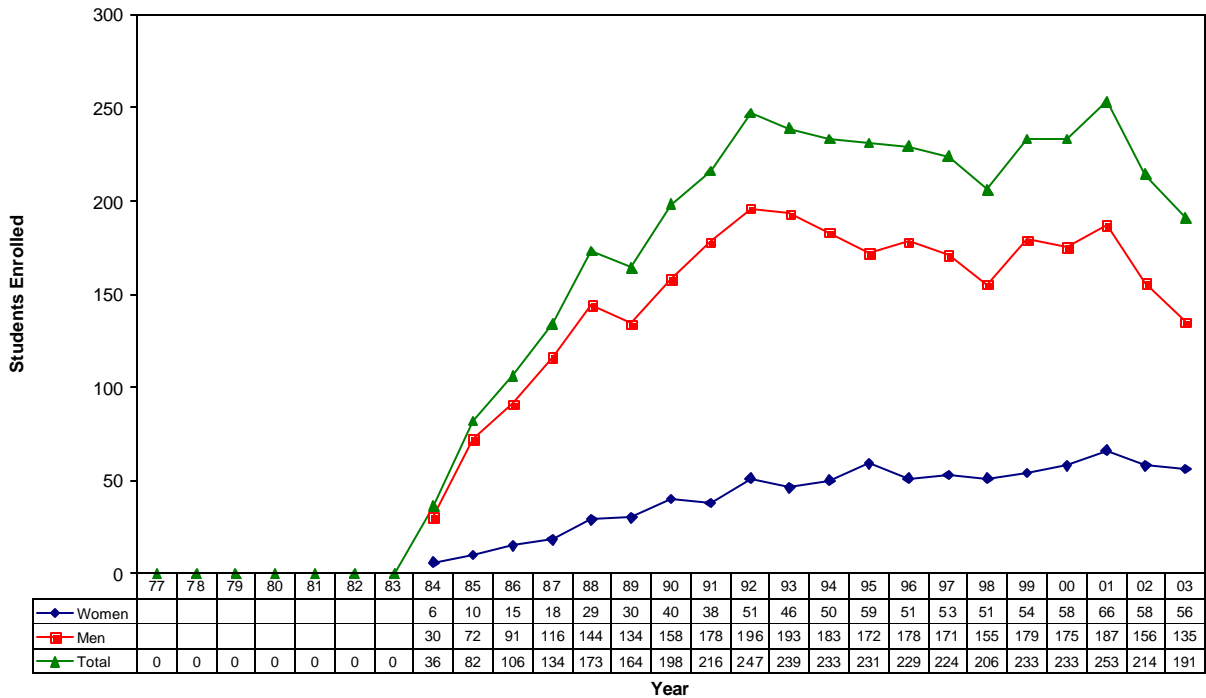
ENROLLMENT CHARTS

CASNR Enrollment

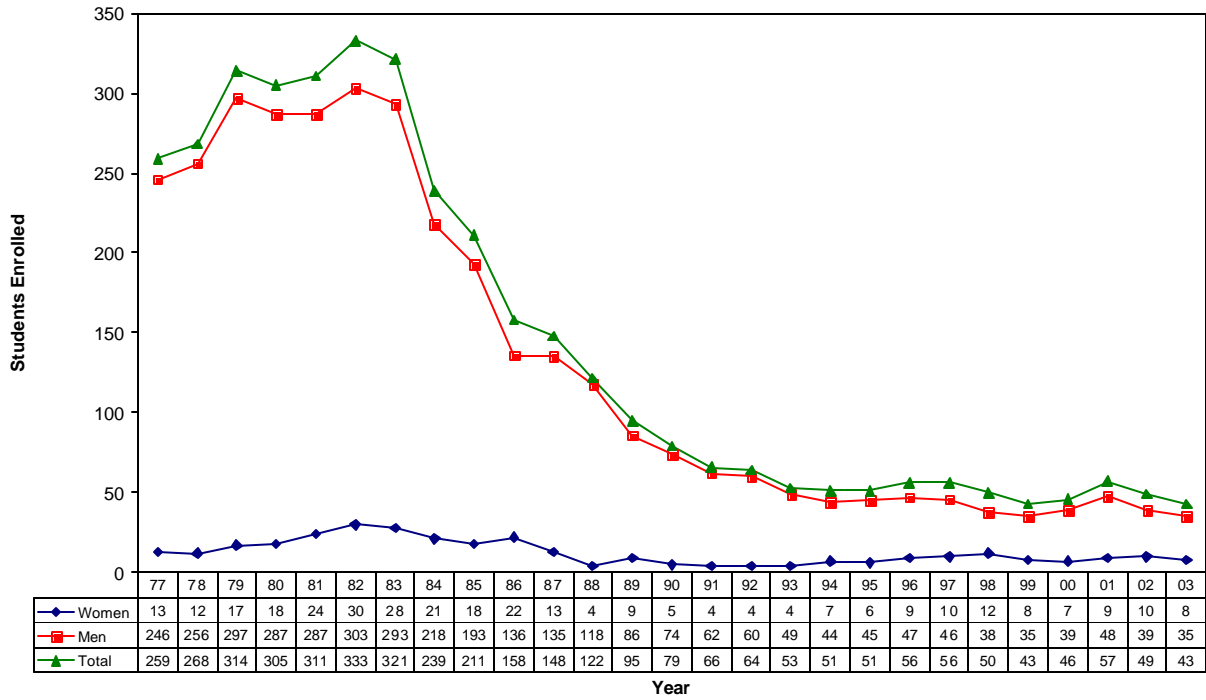
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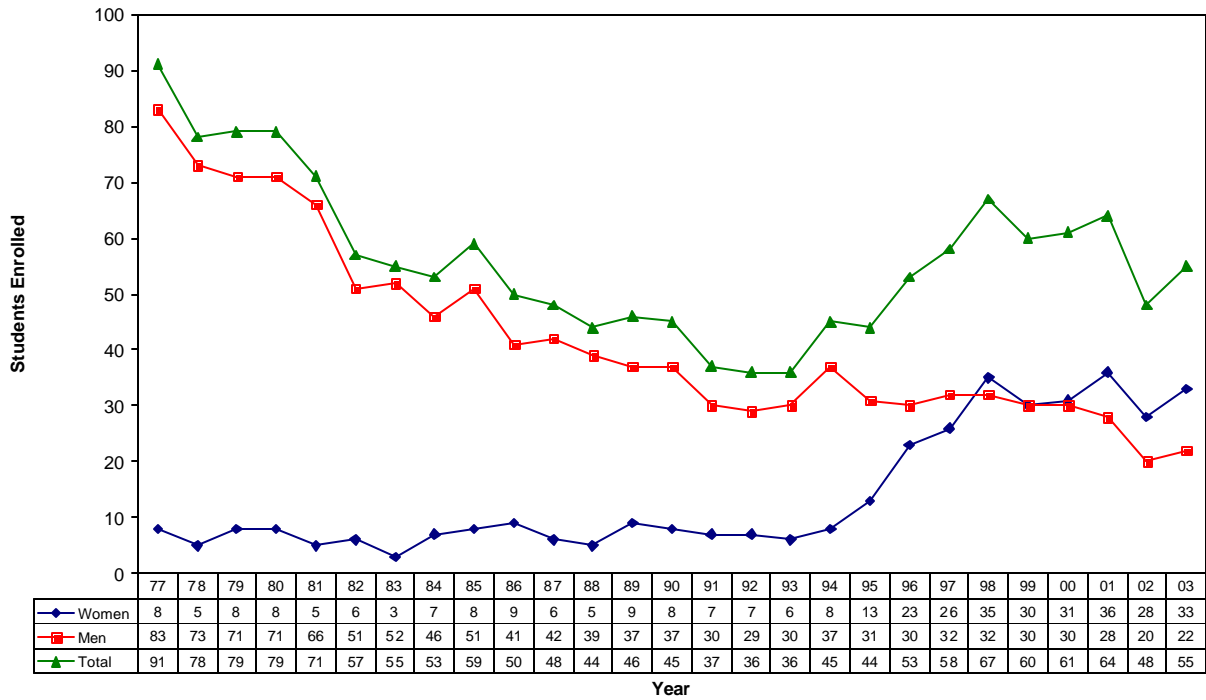
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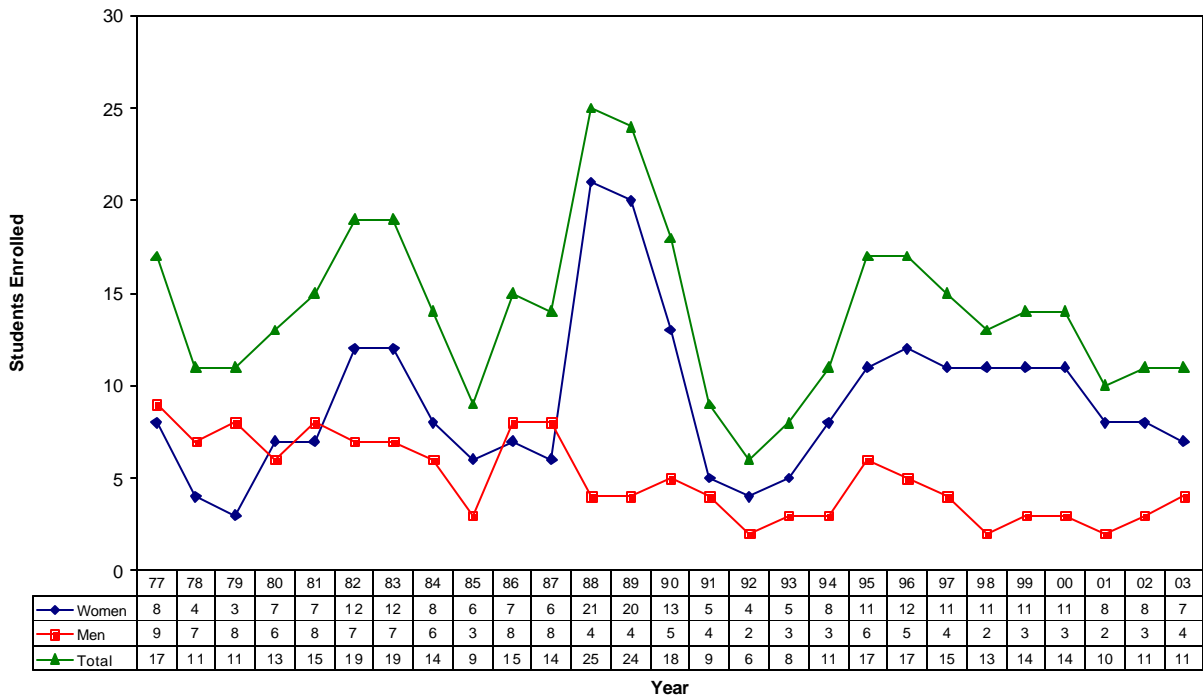
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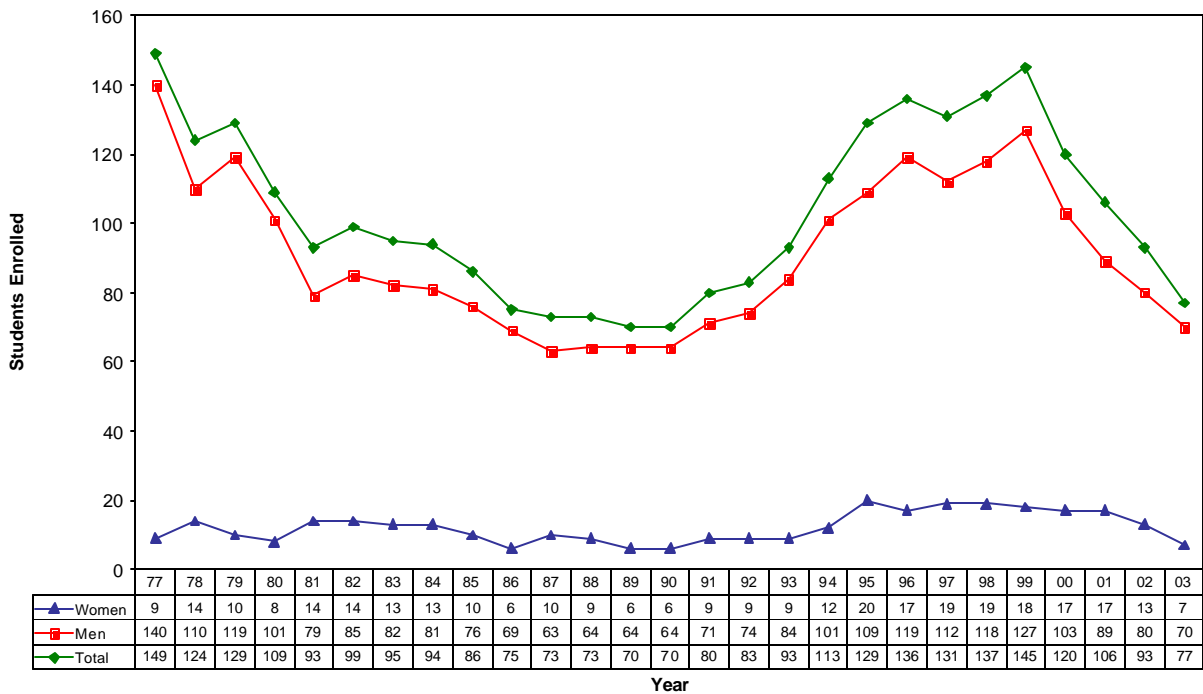
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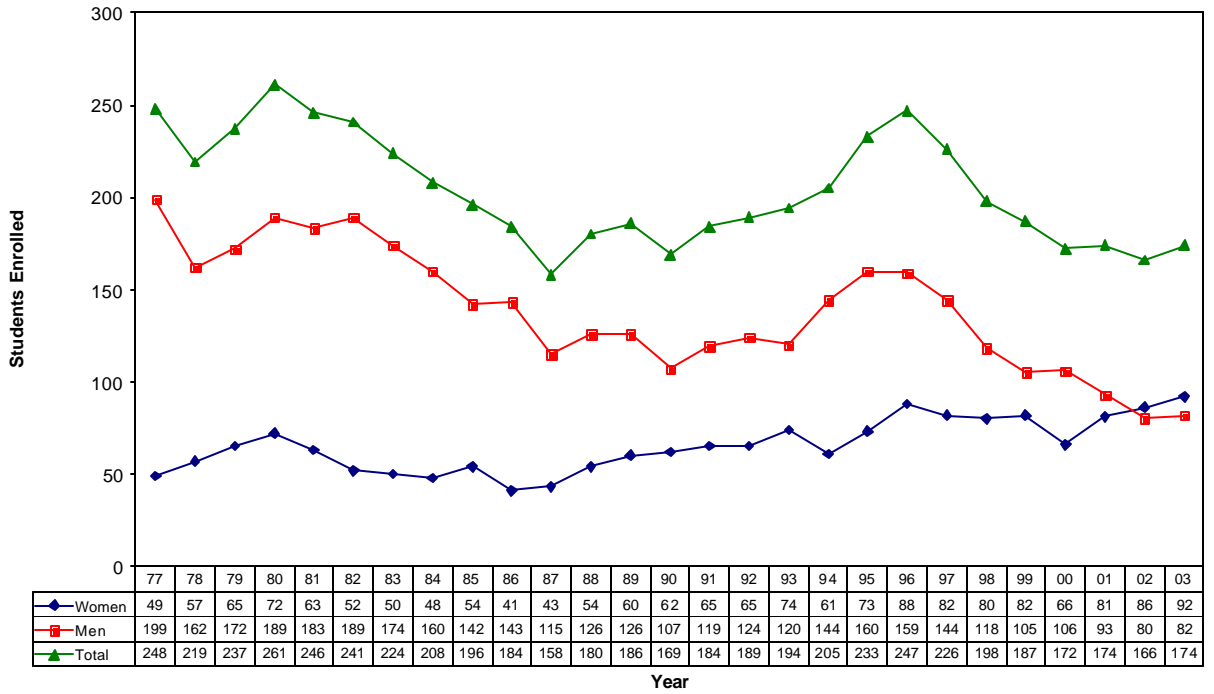
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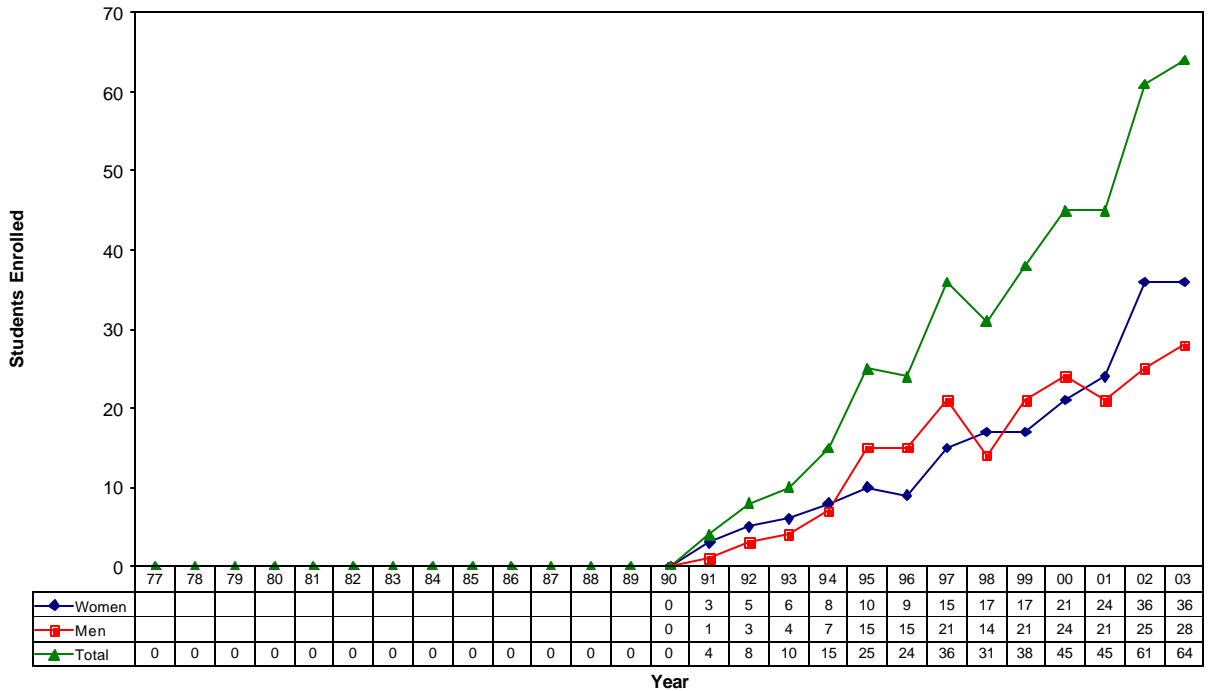
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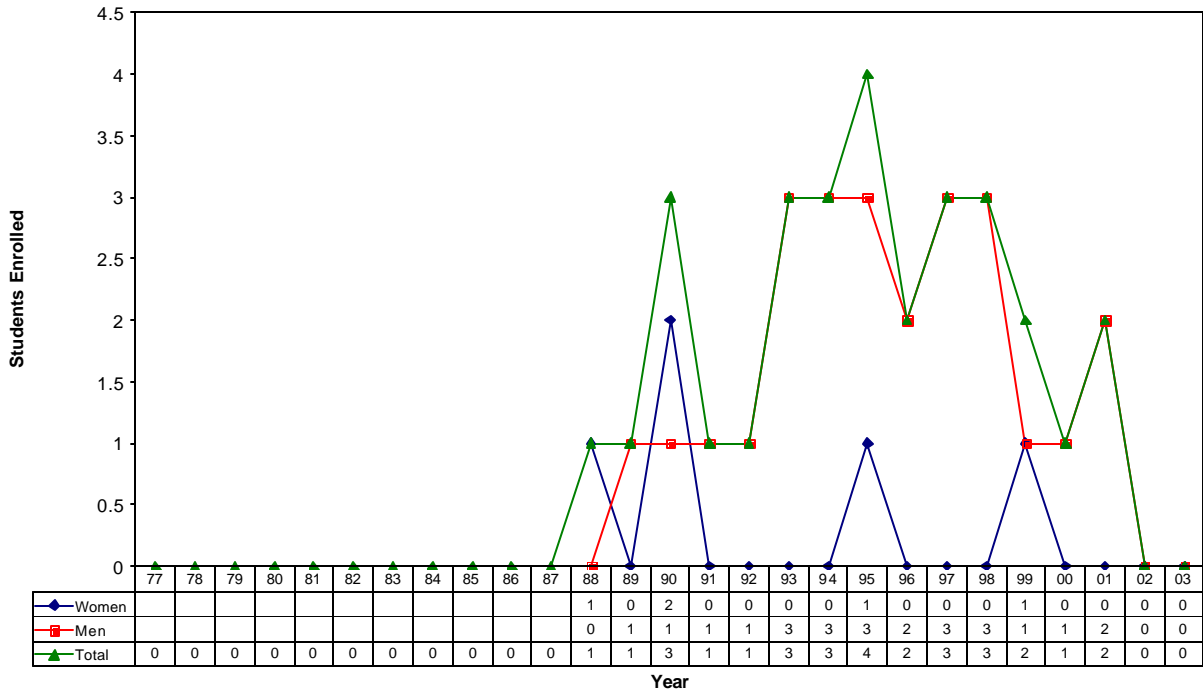
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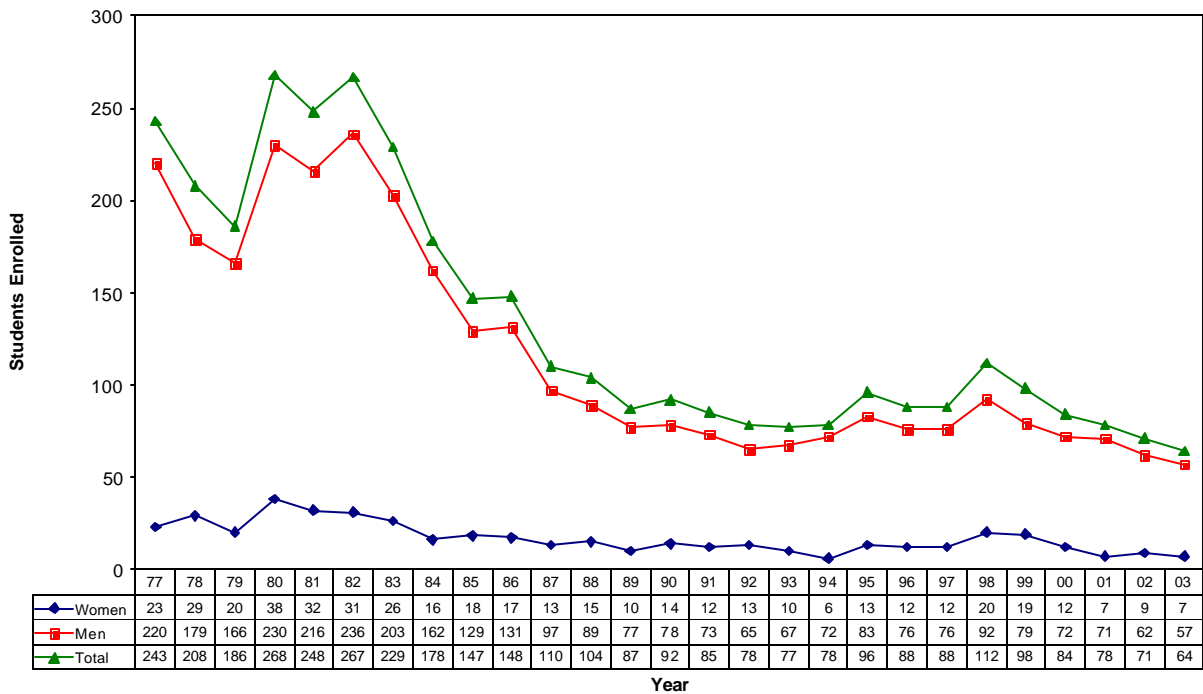
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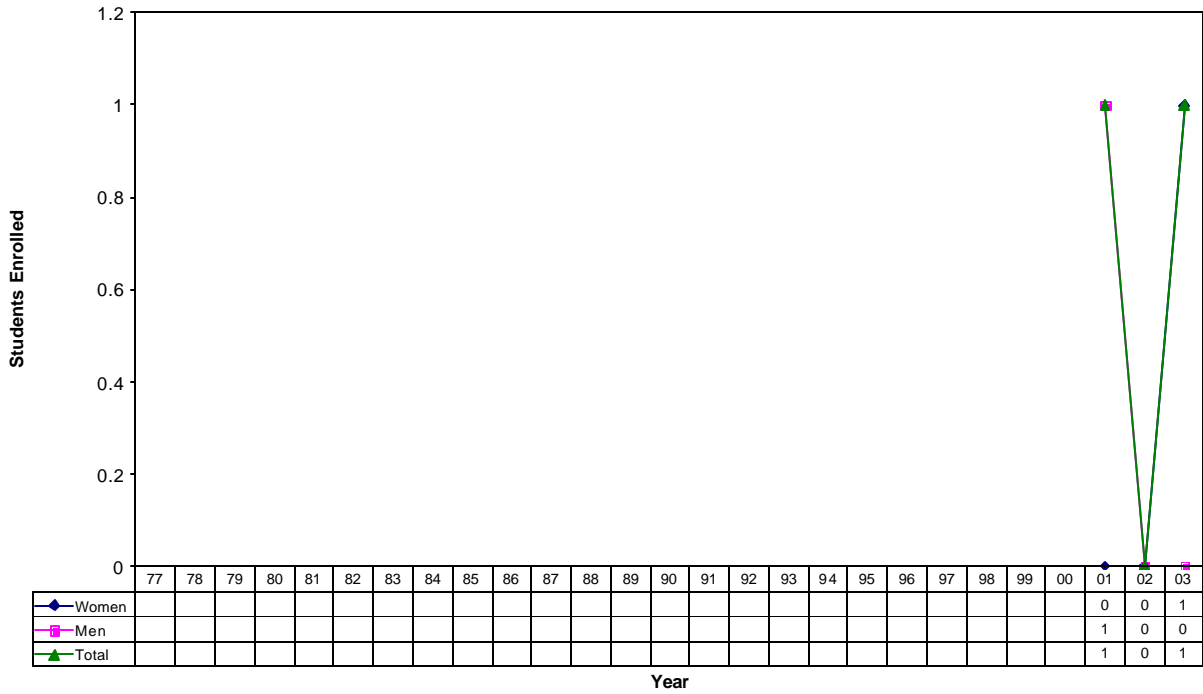
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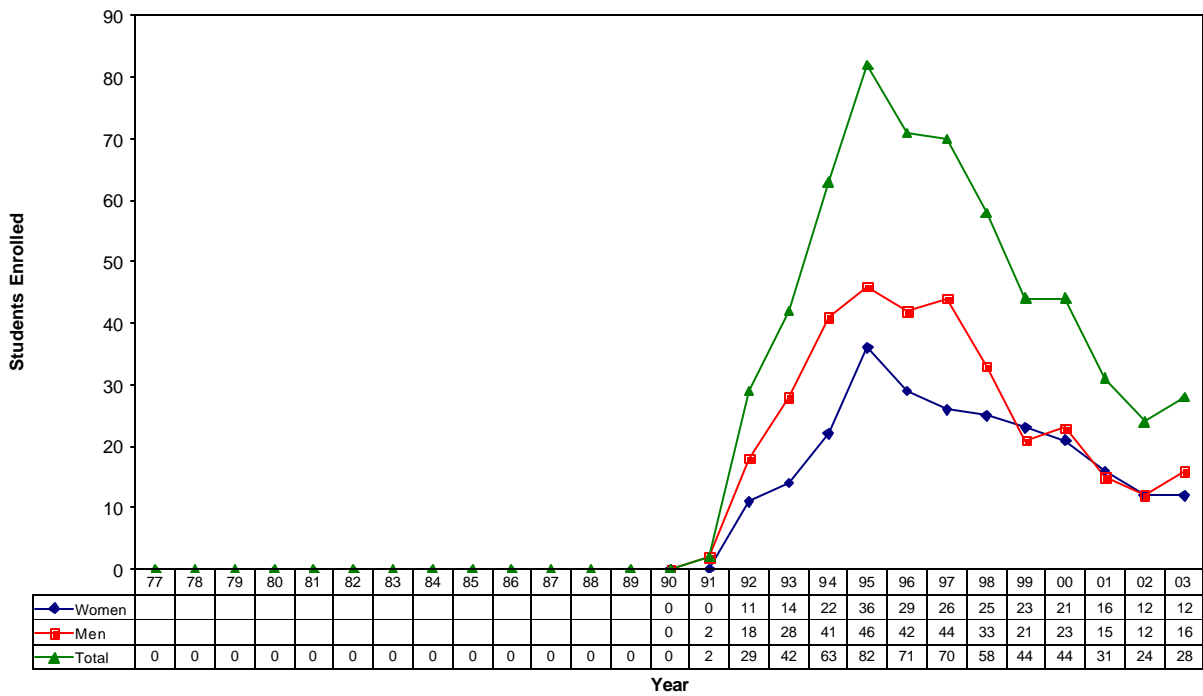
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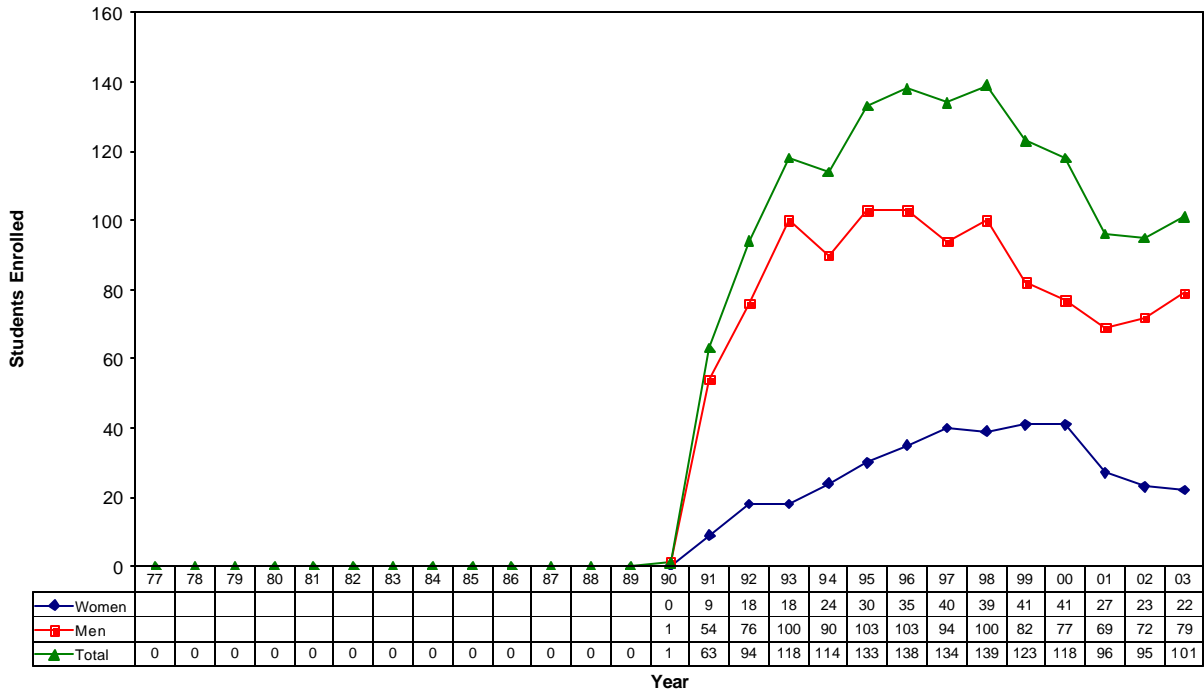
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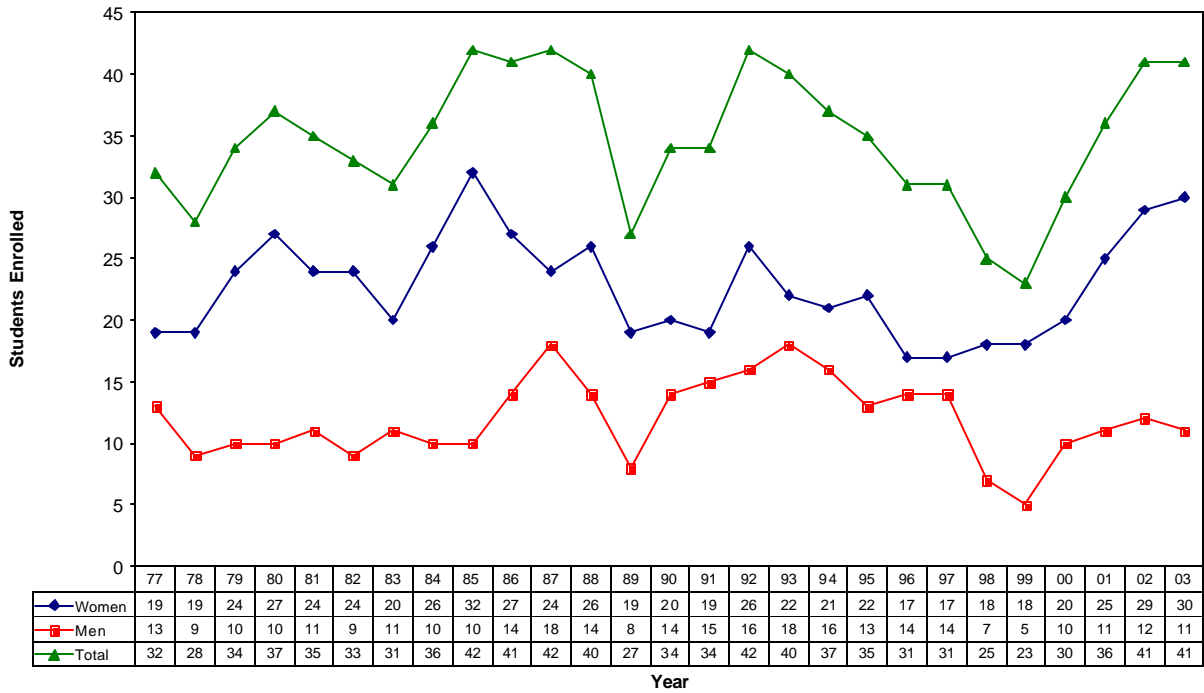
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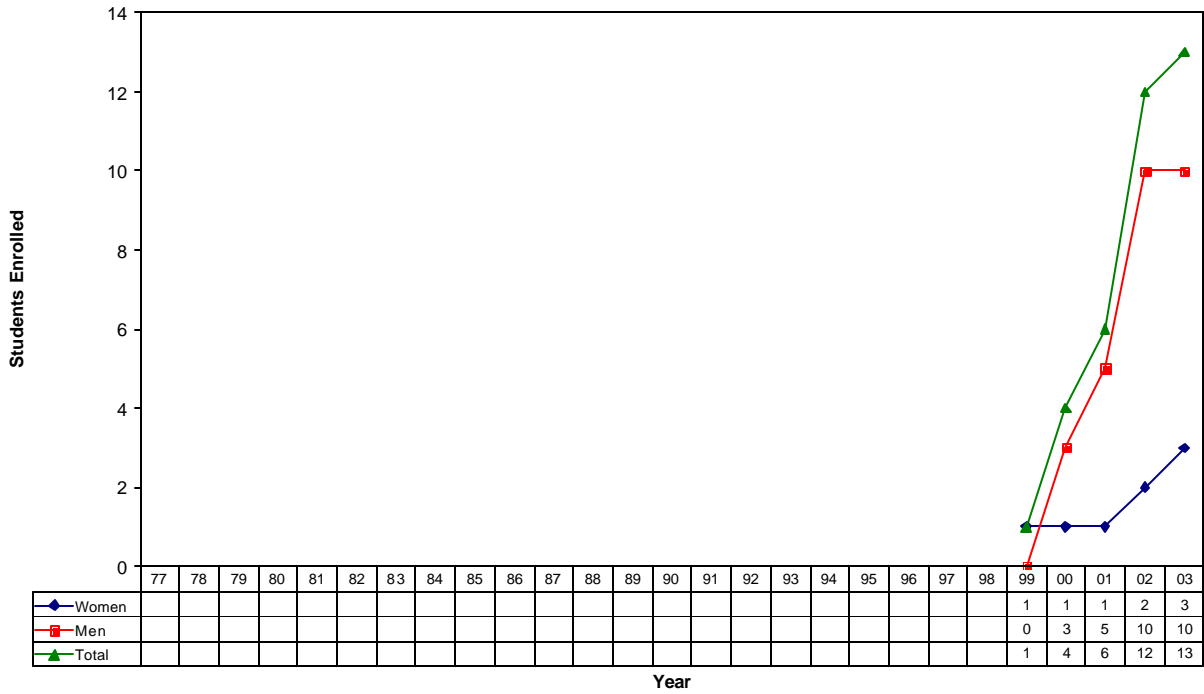
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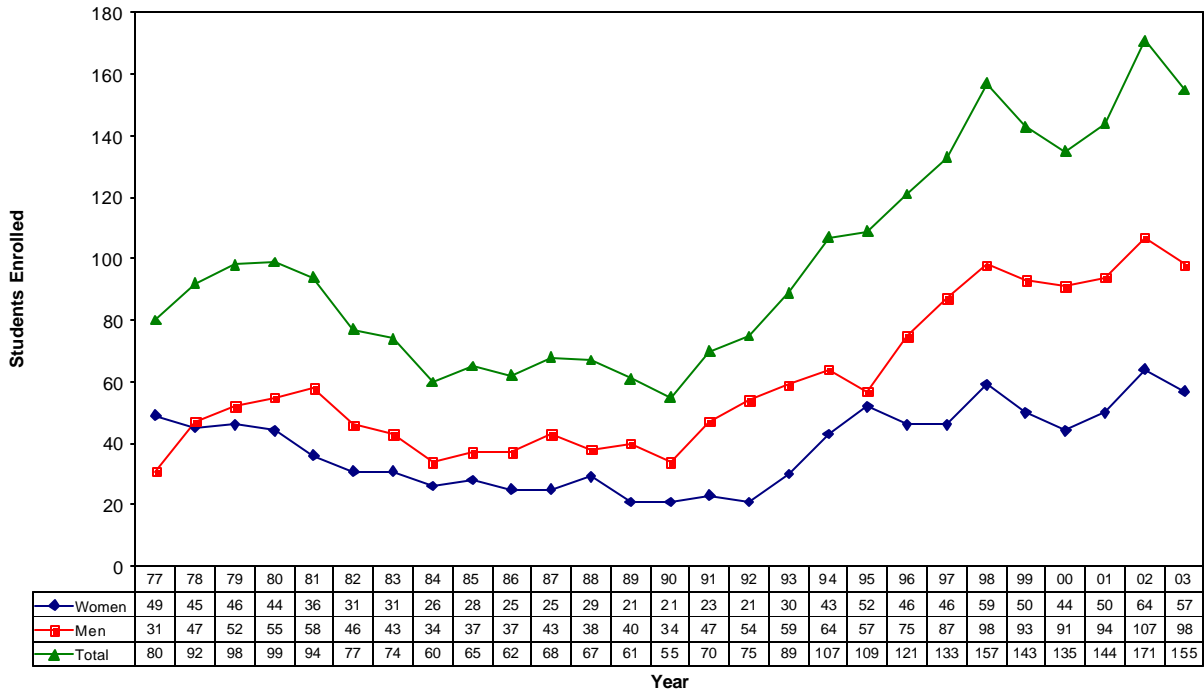
Food Science and Technology



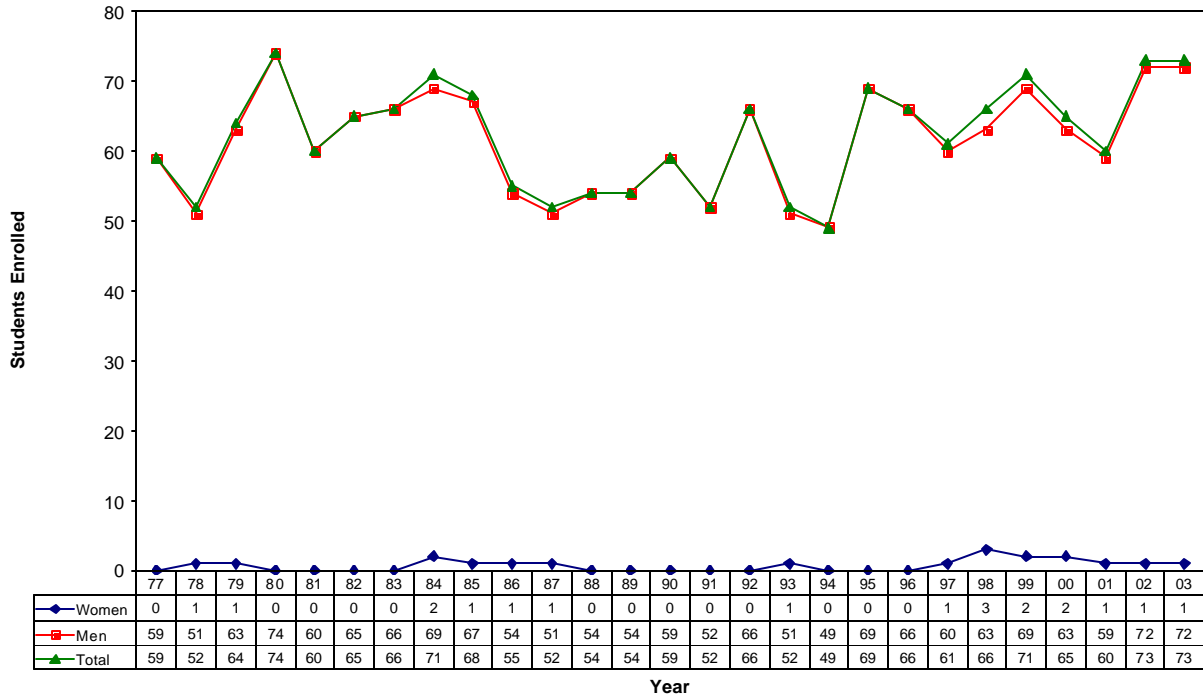
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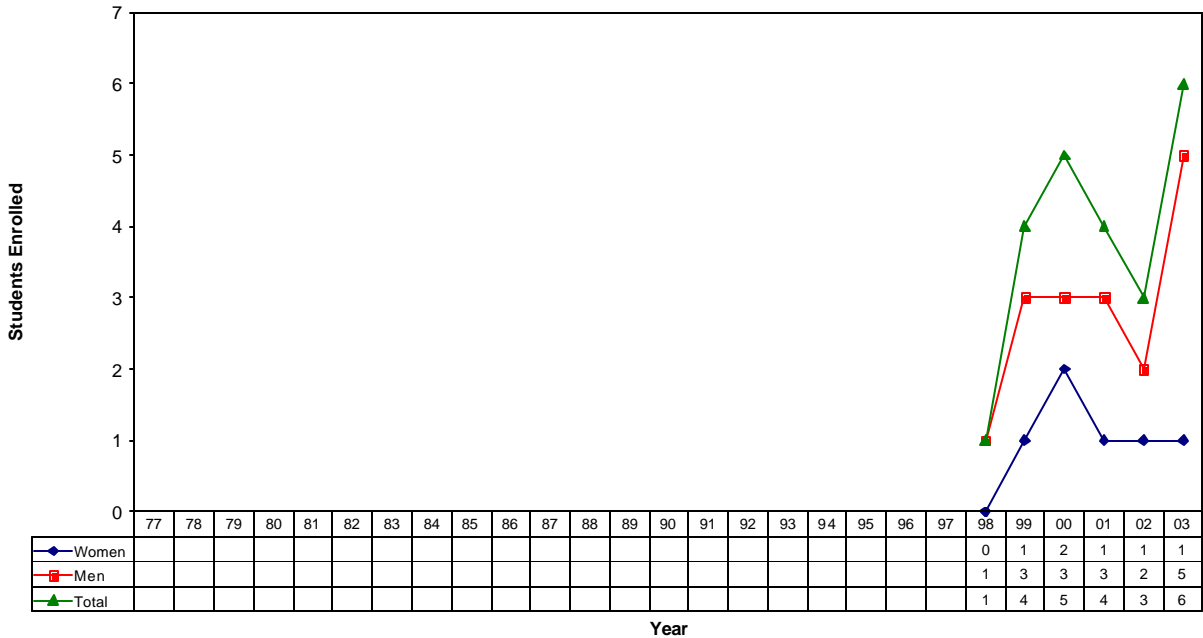
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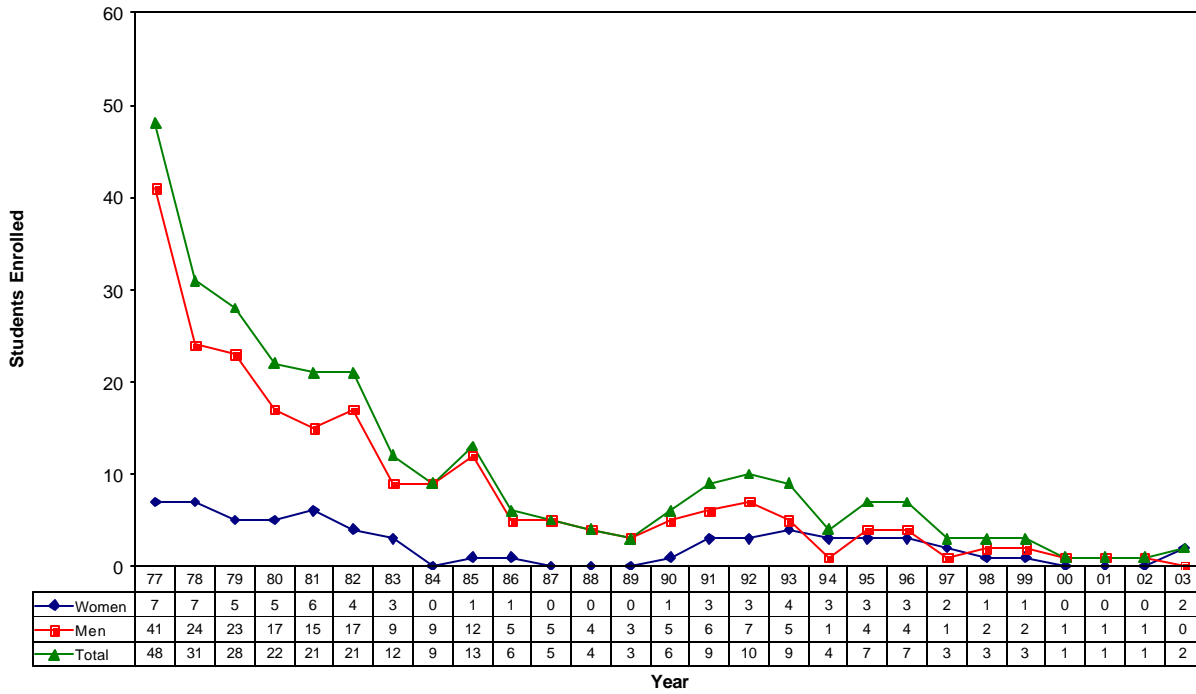
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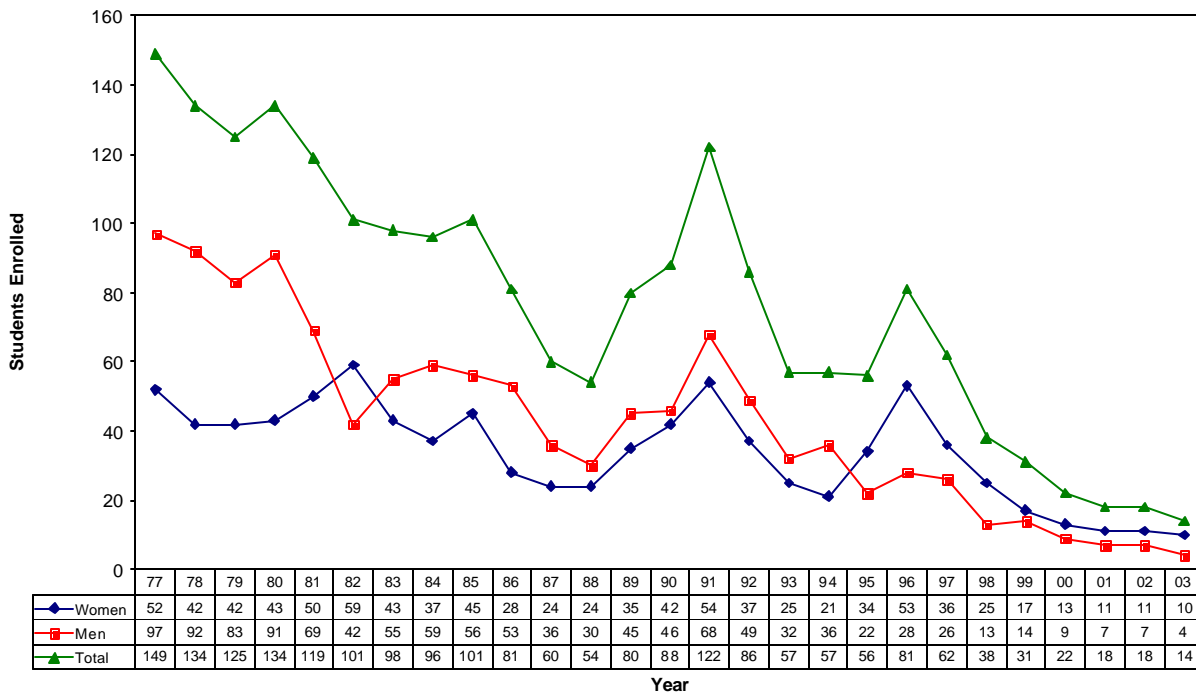
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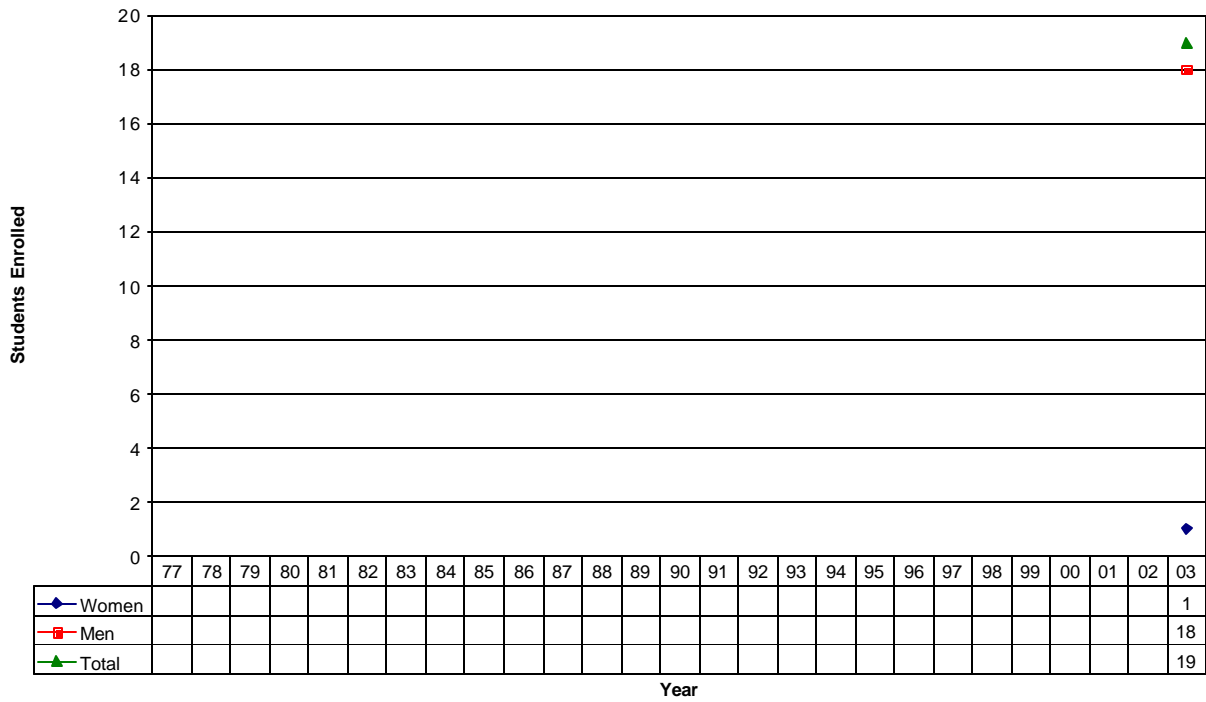
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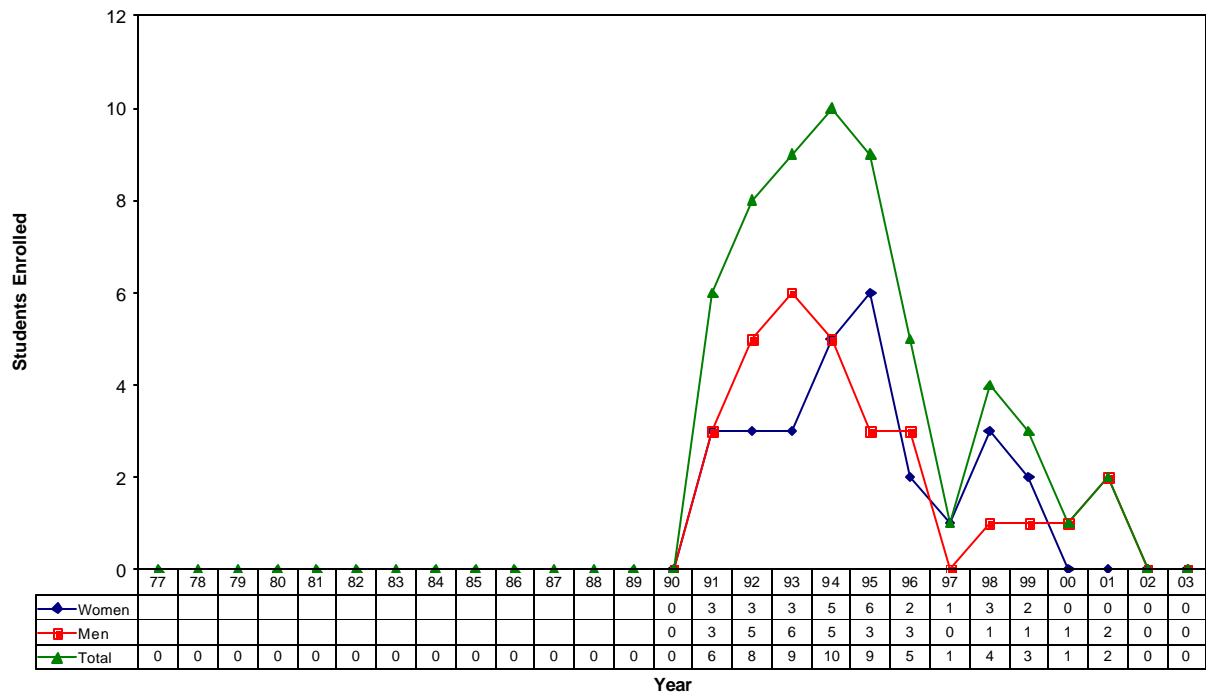
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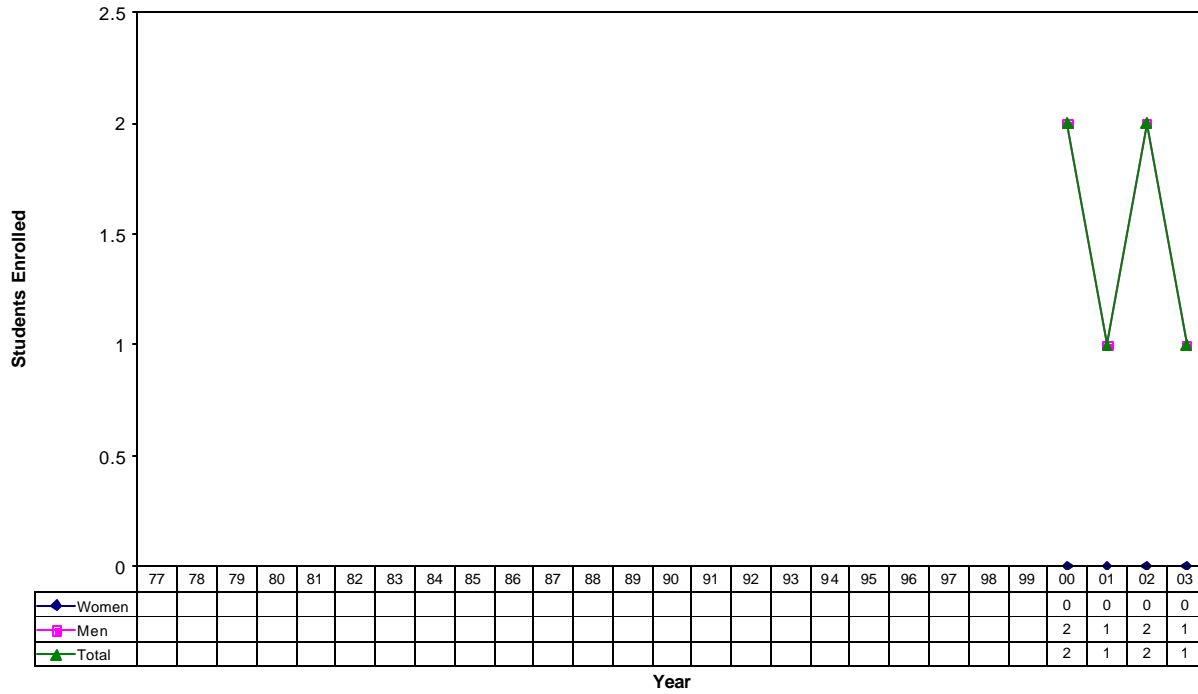
Professional Golf Management



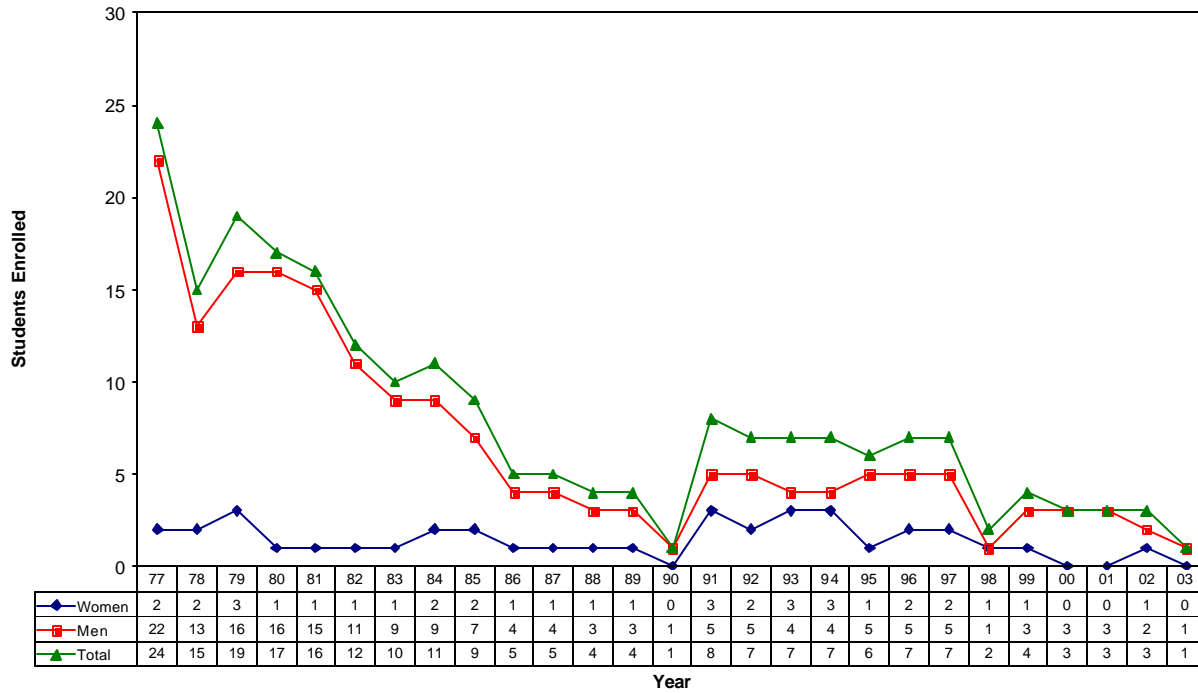
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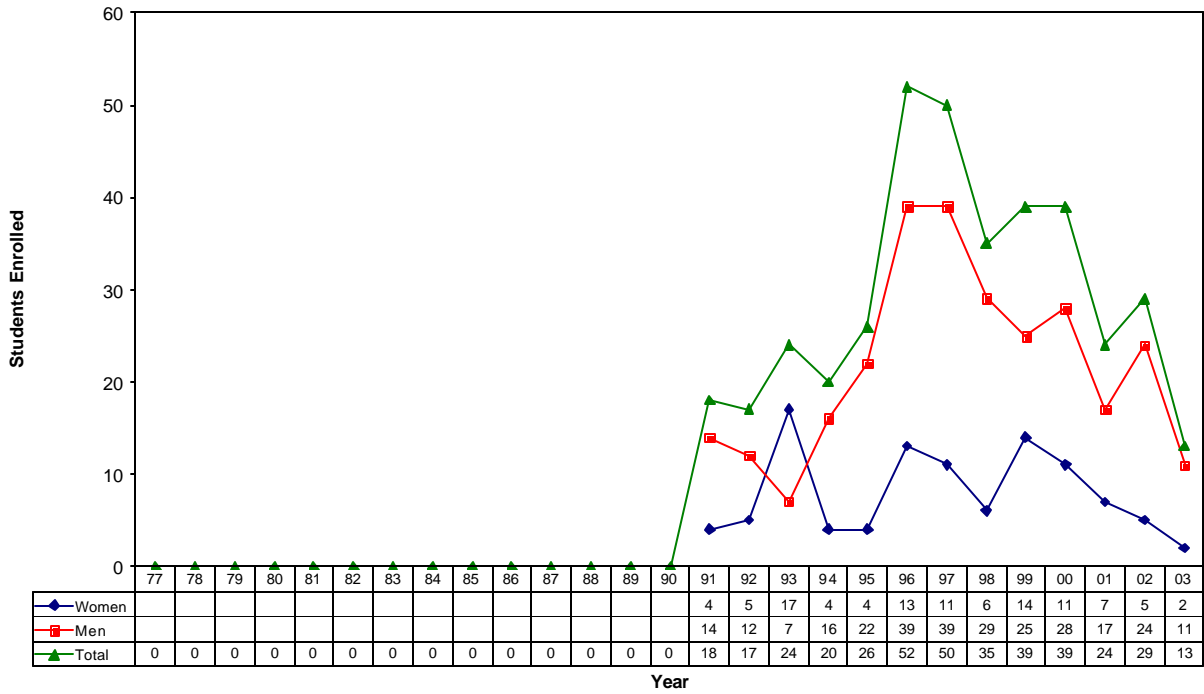
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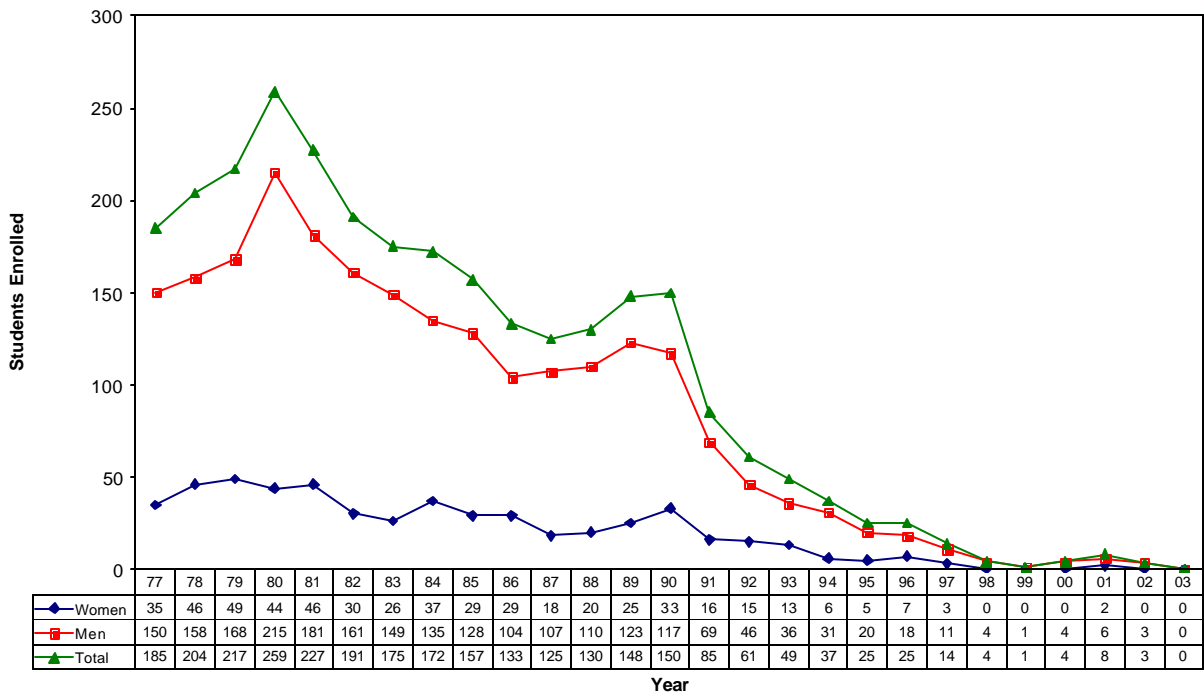
Soil Science



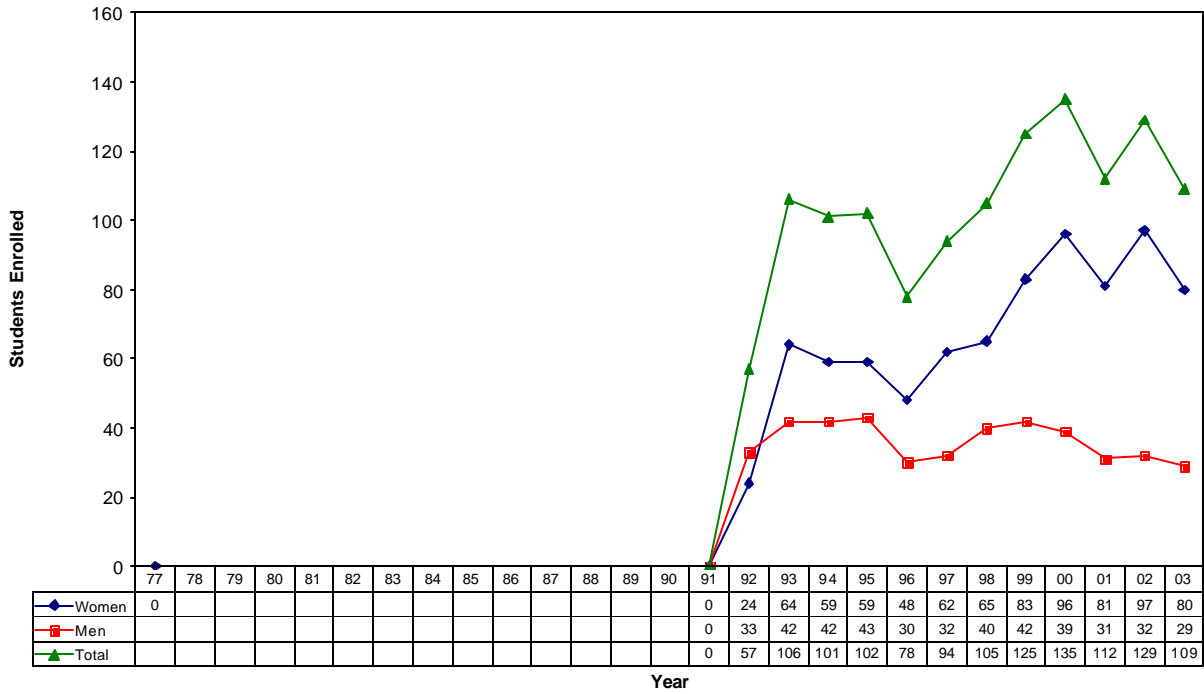
Undeclared Agricultural Sciences



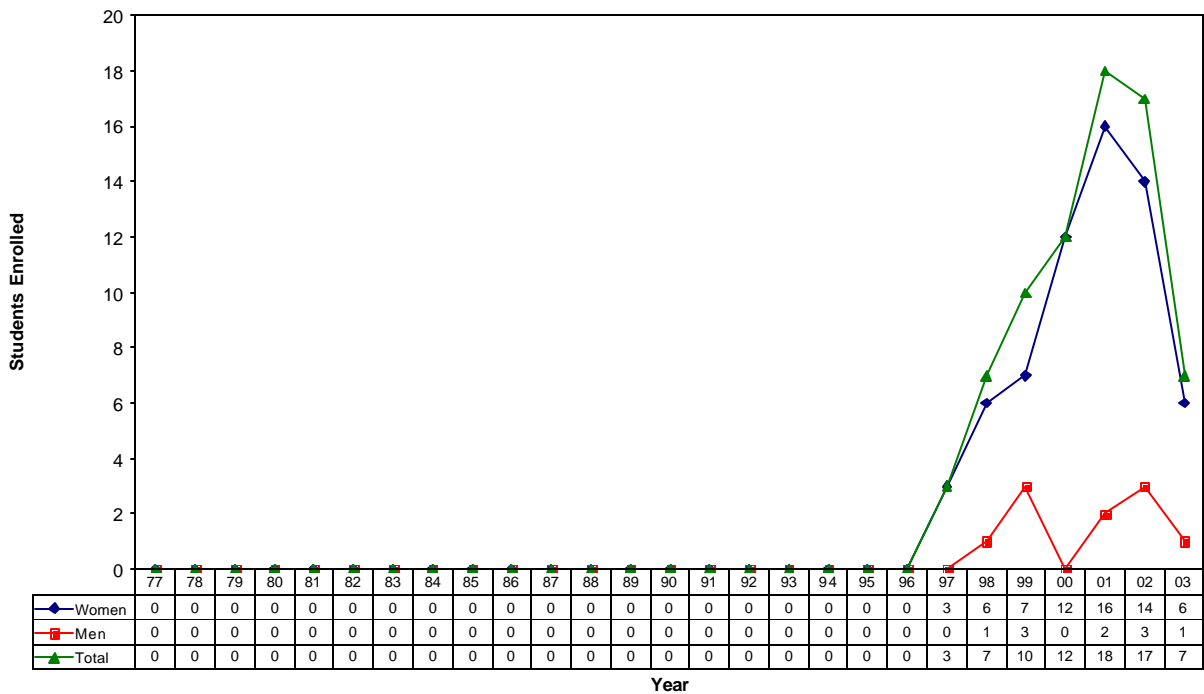
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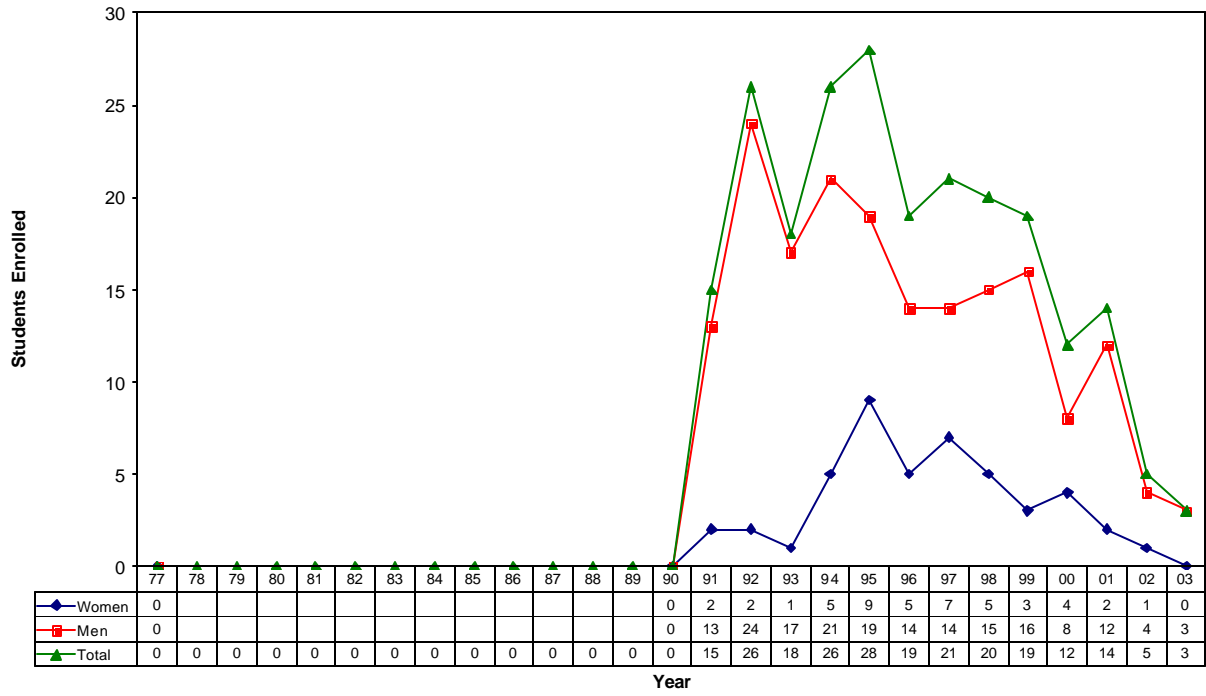
Veterinary Science



Veterinary Technology



Water Science



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