

2005

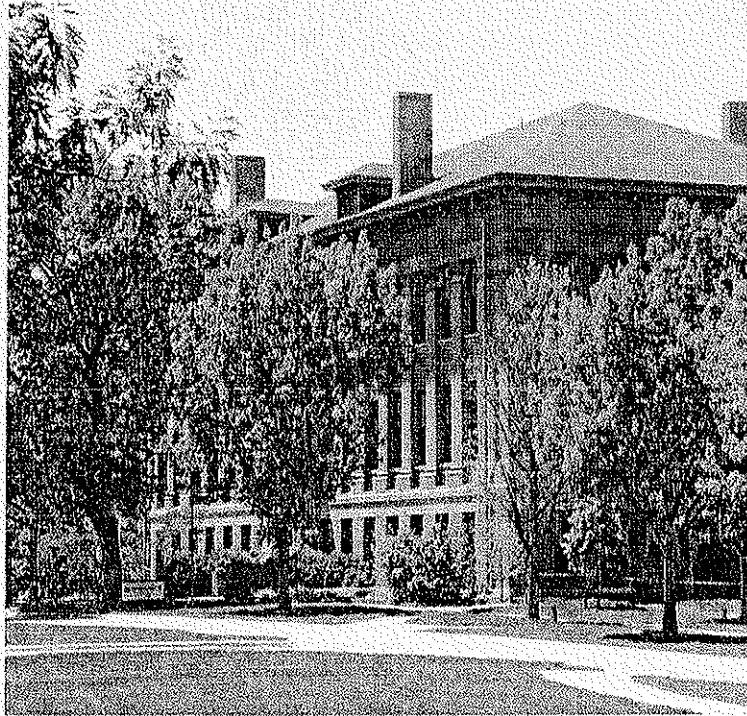
2005-2006 Summary of Operations

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Department of Agricultural, Leadership, Education & Communication (AgLEC)



Summary of Operations July 2005 through June 2006

Institute of Agriculture and Natural Resources
College of Agricultural Sciences and Natural Resources
University of Nebraska - Lincoln

Prepared for the Annual Conference of the
Nebraska Agricultural Educators Association
June 5-8, 2006
Kearney, Nebraska

May 2006

To: The Nebraska Agricultural Education Profession

Daniel Wheeler

From: Daniel Wheeler, Professor and Head

This past year has been basically a positive one for the Department of Ag Leadership, Education and Communication (AgLEC). Faculty understand and continue to strengthen their relationship with Nebraska Agricultural Educators.

The Career Development Events grew to include two student workshops serving approximately 700 students as well as the state on-campus event. Our faculty enjoyed the interaction with educators at the FFA Hospitality Room at the Cornhusker Hotel. These events encouraged an exchange of practices and ideas which provided a continued basis for refinement of professional development opportunities. Participation of Kris Spath, Becki Lawyer, Angela Leifeld and Chad Schimmels on the AgLEC Advisory Council has been helpful in keeping the department connected to the field.

Despite enrollment drops in undergraduates in various departments, AgLEC's enrollments have continued to grow with total enrollment now topping 90 students. We are also seeing more transfer and double majors. A major addition this year is a faculty member, Jason Ellis, in Ag Journalism who will begin on August 1st. Through Dick Fleming's recruitment efforts, we already have 30 plus students signed up for the major. As many of you are aware, hiring of a faculty member and further development of the major has been a goal that has been difficult to achieve and has finally come to fruition.

The AgLEC graduate program has a stable enrollment with approximately 100 masters and doctoral students. A number of courses are offered by distance, and we are also committed to offering a few more through the Ag Education Consortium involving Kansas State, Iowa State and Missouri. The doctoral program in leadership studies now has 25-30 students per year and continues to grow in reputation through its courses, research and grants. More joint activities involving both leadership and Ag Education and will continue in the future.

So despite some budget difficulties and uncertainties, we have accomplished a great deal. With your help and support, we will continue to maintain and enhance our programs. We would be remiss if we didn't thank you for your present commitment and support.

Faculty Members and Assignments

Dr. Daniel Wheeler, Professor and Head
Administration 50% Teaching 25% Research 25%

Dr. John Barbuto, Associate Professor
Teaching 50% Research 50%

Dr. Leverne Barrett, Professor
Teaching 75% Extension 25%

Dr. Lloyd Bell, Associate Professor
Teaching 65% Service 35%

Dr. Patricia Fairchild, Associate Professor
4-H 75% Teaching 25%

Dr. Dann Husmann, Associate Professor
Teaching 75% Extension 25%

Dr. James King, Associate Professor
Teaching 75% Research 25%

Dr. Gina Matkin, Senior Lecturer
Teaching 100%

Dr. Linda Moody, Senior Lecturer
Teaching 30% Student Involvement 70%

Dr. Kay Rockwell, Professor
Teaching 8% Extension 42%

Faculty with Tenure Home in AgLEC

Dr. Allen Blezek, Professor
Director, Nebraska LEAD Program

Dr. Arlen Etling, Professor
College of Agricultural Sciences and Natural Resources (CASNR)

Dr. Susan Fritz, Professor
Associate Vice Chancellor, Institute of Agriculture and Natural Resources (IANR)
Associate Dean, College of Agricultural Sciences and Natural Resources

Jim Randall, Professor
Extension Communications Specialist, Communication & Information Technology

Emeriti Faculty

Dr. Roy Dillon, Professor Emeritus

Dr. Dick Fleming, Professor Emeritus
Consultant - AgLEEC and IANR

Dr. James Horner, Professor Emeritus

Dr. Osmund Gilbertson, Professor Emeritus

Dr. Joyce Lunde, Professor Emerita

Dr. Earl Russell, Professor Emeritus

Dr. Thomas Silletto, Associate Professor Emeritus

Dr. Myra Wilhite, Associate Professor Emerita

Graduate Assistants, Fall 2005 - Spring 2006

Amy Boren, Ph.D. Graduate Teaching Assistant

Krystle Christner, M.S. Graduate Research Assistant (spring only)

Sara Daubert, Ph.D. Graduate Teaching Assistant

Nathan Haman, M.S. Graduate Research Assistant (fall only)

Chris Kort, M.S. Graduate Research Assistant (fall only)

Jennifer Moss, Ph.D. Graduate Research Assistant (spring only)

Megan Peterson, M.S. Graduate Research Assistant

Lindsay Schroeder, M.S. Graduate Research Assistant (fall only)

Robyn Sites, M.S. Graduate Research Assistant (fall only)

Ryan Stainbrook, M.S. Graduate Research Assistant

Joana Story, M.S. Graduate Teaching Assistant

Jennifer Witte, M.S. Graduate Research Assistant (fall only)

**2006 Nebraska Agricultural Education Demand & Supply
Department of Agricultural Leadership, Education & Communication
University of Nebraska-Lincoln**

2006 Nebraska Agricultural Education Placements

	<u>2006 Placement</u>	<u>Previous</u>
Roger Lechtenberg	Ainsworth	Rock County-Bassett
Hilary Maricle	Boone Central-Albion	2003 UNL graduate
Jim Hoyt	Cambridge	Dodge City, Kansas
Amy Rasmussen	Centennial	2006 UNL graduate
Matt Jablonski	Chase County-Imperial	Dundy County-Benkelman
Nathan Belhke	Dundy County-Benkelman	2006 UNL graduate
Jessica Hermansen	Fullerton	2006 UNL graduate
Joel Miller	Hampton	Cambridge
Mike Davis	Hyannis	½ time appointment
Kori Kock	Prague	2006 UNL graduate
Mark Bloss	Pawnee City	2006 UNL graduate
Ryan Hendricks	Perkins County-Grant	2005 UNL graduate
Julia Hales	Rock County-Bassett	2006 UNL graduate
Robert Smith	Spaulding (re-established)	2005 UNL graduate

Programs Open as of June 1st

North Bend Central Contact: James Havelka, Superintendent
 North Bend Central High School
 P.O. Box 160
 402-652-3268

**Thanks to the following collaborating schools and instructors for
serving as practicum sites during the 2005-2006 academic year.**

Atkinson West Holt - David Gibbens	Ord - David Ference
Crofton - Stephanie Mann	Perkins County - Kurt Payne
Eustis-Farnam - Chad Schimmels	Raymond Central - Jeff Schellpeper
Freeman - Tony Jensen	Spencer-Naper - Jerome Engelhaupt
Gothenburg - Dan Scherer	Schuyler Central - Tom Wheeldon
Grand Island NW - Jeff Moore	Verdigre - Kevin Randa
Holdrege - Jon Simonson	Waverly - Tony Tvrdy
Leigh - Dave Tyser	Wilber-Clatonia - Dennis Kenning
Norris - Kristyn Harms	Wilcox - David Johnson
North Loup Scotia - Ron Tinkham	

Agricultural Education Service Activities

- ALEC 804 Beginning Teachers in Agricultural Education met and interacted on-line periodically throughout the year
- Consultation, advisement and supervision of agricultural education endorsements in the provisional certification process
- Animal science leadership academy
- Nebraska Youth Beef Leadership Symposium
- Courtesy room for teachers of agricultural education during State FFA Leadership Conference
- Agricultural biotechnology workshops offered for secondary school instructors
- Coordination of the biology endorsement program
- Coordinated with and between UNL Teacher's College and NDE in the development of a joint IT/agricultural education endorsement
- Planning and development of transfer program in agricultural teacher education with Dordt College of Sioux Center, IA
- Coordination of the CASNR State Agricultural Education Career Development Events
- Planning and conducting the CASNR State Agricultural Sales Career Development Event
- Planning and conducting the CASNR State Agricultural Communications Career Development Event
- Planning and conducting the CASNR State Ag Issues Career Development Event
- Planning and conducting the CASNR State Agriscience Career Development Event
- Planning, coordination, and conducting of NAEA summer and inservice activities
- Coordination of the Nebraska - AgEd Listserv
- Coordination of the UNL Agricultural Education scholarship program
- Representation on the NAEA Board of Directors
- Representation on the State FFA Alumni Board
- National FFA Officer Nominating Committee
- Planning and coordination of regional student CDE inservice sessions

AgLEC Publications, Presentations, and Grant Projects
December 2004 - December 2005

Refereed Journal Articles Submitted

Barbuto, J.E., Fritz, S.M., Matkin G.S., & Marx, D. (2005, 08/28). Gender, education and age, and leaders' use of influence tactics and full-range leader behaviors. *Sex Roles: A Journal of Research*.

Husmann, D., Fritz, S., Bell, L., & Timm, P. (2004, 12/01). Administrators and teacher perceptions of Nebraska Career and Technical Education. *Journal of Vocational Education Research*.

Refereed Journal Articles in Press

Barbuto, J.E., & Burbach, M.E. (In press). The emotional intelligence of transformational leaders: A field study. *Journal of Social Psychology*.

Barbuto, J.E., & Wheeler, D.W. (In press). Scale development and construct clarification of servant leadership.

Barbuto, J.E., Fritz, S.M., & Goertzen, B.J. (In press). Leaders' anticipated and targets' self-reported levels of resistance. *Psychological Reports*.

Barbuto, J.E., Fritz, S.M., & Marx, D. (In press). A field study examining two measures of work motivation to predict leader's influence tactics used. *Journal of Social Psychology*.

Bell, L.C. (In press). Student perceptions of how well colleges accommodate for prior experience in agricultural science and natural resources. *NACTA Journal*.

Trout, S.K., Francis, C.A., & Barbuto, J.E. (In press). Impacts of the North-Central Region SARE grants, 1988-2002.

Refereed Journal Articles Published

Barbuto, J.E., Fritz, S.M., & Plummer, B.A. (2004, 12/01). Is there a difference between agriculture/natural resources and non-agriculture/natural resources majors' motivation sources? *North American Colleges and Teachers of Agriculture*, 48:3, 30-35.

Barbuto, J.E., Cundall, S., & Fritz, S.M. (2005, 10/02). Motivation, charismatic and transformational leadership: A test of antecedents. *Journal of Leadership and Organizational Studies*, 11:4, 26-40.

Blanton, K.K., & Barbuto, J.E. (2005, 05/25). Cultural constraints in the workplace: An experiential exercise utilizing Hofstede's dimensions. *Journal of Management Education*, 29:654-666.

Fink, L.D., Ambrose S. & Wheeler, D. (2005, 01/27). Becoming a professional engineering educator: A new role for a new era. *Journal of Engineering Education, Special Issue: The Art & Science of Engineering Ed*, 94:185-194.

Fritz, S., Speth, C., Barbuto, J.E., & Boren, A. (2004, 12/01). Exploring relationships between college students' learning styles and motivation. *Psychological Reports*, 95, 969-974.

Moss, J.A., Barbuto, J.E., Matkin, G.S., & Chin, T. (2005, 03/25). Influence of Sex Differences in Leaders' Behavior. *Psychological Reports*, 96, 499-510.

Reimers-Hild, C., King, J.W., Foster, J.E., Fritz, S.M., Waller, S.S. & Wheeler, D.W. (2005, 07/01). A Framework for the "Entrepreneurial Learner" of the 21st Century. *Online Journal of Distance Learning Administration*, Summer, 8:2, 1-9. <http://www.westga.edu/%7Edistance/ojdl/summer82/hild82.htm>.

Skelton, P., Josiah, S.J., King, J.W., Brandle, J.R., Helmers, G., & Francis, C.A. (2005, 10/21). Adoption of riparian forest buffers on private lands in Nebraska, *Journal of Small-Scale Forest Economics, Management and Policy*, 4:2, 185-203.

Chapters in Books

Namuth, D., Fritz, S., King, J. & Boren, A., (2005, 10/07). Principles of Sustainable Learning Object Libraries. In: *Learning Objects: Standards, Metadata, Repositories, & LCMS*, Informing Science Press, <http://informingscience.org/>

Refereed Conference/Symposium Proceeding

Barbuto, J.E., & Moss, J.A. (06/2005). More than just a mirage: Testing dispositional effects in intraorganizational influence tactics. International Eastern Academy of Management, Cape Town, South Africa.

Barbuto, J.E., & Parsons, G. (05/2005). The underlying sources of motivation in historical and contemporary theories of ethics. Eastern Academy of Management, Springfield, MA.

Barbuto, J.E., & Ye, X. (06/2005). Motivation, interpersonal conflict management, and leadership effectiveness: A structural model. International Eastern Academy of Management, Cape Town, South Africa.

Bell, L.C., & Husmann, D.E. (09/2005) Curriculum reform through career development inservice. 2005 North Central Agricultural Education Research Conference, pp. 275-278. American Association of Agricultural Education, Columbus, OH.

Bell, L., Moody, L. & King, J. (12/2004). SAE and FFA policy for two-way interactive distance learning. 2003 National Agricultural Education Research Conference, Columbus, OH.

Burbach, M.E., & Barbuto, J.E. (10/2005). Exploring the relationship between emotional intelligence and transformational leadership as moderated by cognitive style and self-concept. Institute for Behavioral and Applied Management, Scottsdale, AZ.

Dissertations

Gage, Andrea. (2005). *A Phenomenological Study of the Leadership Perceptions of the G.I. and Millennial Generations*. Advised by Daniel W. Wheeler.

Gomez Alvarez, Lilian. (2005). *Seven Principles of Good Teaching Practice: Predictors of Perceived Learning and Satisfaction with Online Courses*. Advised by James W. King.

Kalkowski, Kay Lynn. (2005). *Exploring Leader-Member Exchange and Organizational Citizenship Behavior in a College Setting: The Influence of the Fraternity Housemother*. Advised by Susan M. Fritz

Matkin, Gina. (2005). *Demographic Similarity/Difference, Intercultural Sensitivity, and Leader-Member Exchange: A Multilevel Analysis*. Advised by John E. Barbuto, Jr.

Reimers-Hild, Connie. (2005). *Locus of Control, Need for Achievement and Risk Taking Propensity : A Framework for the "Entrepreneurial Learner" of the 21st Century*. Advised by James W. King.

Smith, Kelli Kapustka. (2005). *Exploring Alumnae Long-Term Perceptions of an Undergraduate Leadership Course: A Case Study*. Advised by Susan M. Fritz.

Williams, Susan. (2005). *Testing the Relationships Between Personality, Motivation, Leadership and Process to Success of Self-Directed Work Teams*. Advised by Susan M. Fritz.

Masters Theses

Abdelnoor, Simone. (2005). *An Exploratory Study of the Relationship Between Spirituality and Leadership Practices*. Advised by Laverne A. Barrett.

Casten, Jill. (2005). *An Exploratory Study of Power and Influence in Young Adults*. Advised by Daniel W. Wheeler

Hunter, Amber. (2005). *Family Influence and Undergraduate Retention in Freshman African American and Hispanic Students*. Advised by Laverne A. Barrett.

Lennon, Craig. (2005). *Collaboration and Communication: Examining a Team Approach Within an S.O.S. Treatment Group Home*. Advised by S. Kay Rockwell.

Sites, Robyn. (2005). *Effectiveness of a Community Based Leadership Development*. Advised by Laverne A. Barrett.

VanDeWalle, Brandy. (2005). *Service Learning in Undergraduate Curriculum: Determining the Impact on Students' Personal Growth and Social Responsibility*. Advised by Dann E. Husmann.

Grant Projects

Barbuto, J. *Testing the Impact of Dramaturgical Teaching in the Leadership Classroom*. Initiative for Teaching and Learning Excellence. University of Nebraska-Lincoln. \$5,000. December 2, 2004-October 25, 2006. Funded

Barbuto, J. *Leadership Education Institute for Faculty in Colleges of Agriculture*. Other Associates: Penny Pennington, Bill Weeks, Cindy Blackwell, Oklahoma State University; Christine Langone, University of Georgia. United States Department of Agriculture. \$74,830. September 20, 2005-October 25, 2007. Funded

Barrett, L., Brink, D., Francis, C., & Wheeler, D. *Agriculture and Food System Learning Community*. USDA Challenge Grant. \$98,524. August 15, 2002-June 30, 2006. Funded.

Bell, L.C. *Electronic Database for Herbaceous Landscape Plants for the Northern Great Plains*. University of Nebraska Cooperative Extension. \$10,000. September 9, 2004-June 30, 2005. Funded.

Husmann, D. *Characterization of Teff Accession Lines for the High Plains*. Kansas State University \$10,200. May 9, 2005-August 31, 2006. Other Associates: Dr. Brian Olson, Kansas State University. Funded.

Jones, V., & Husmann, D. *Increasing the Agricultural Literacy of Secondary Teachers: A Northeast Nebraska Example*. USDA/CSREES. \$39,784. 2003-2005. Other Associates: Stephanie Mann, Crofton Community Schools. Funded.

King, J.W., & Reimers-Hild, C. *Developing and Implementing an Advising Center for College of Agricultural Sciences & Natural Resources (CASNR) Distance Students*. UNL Extended Education and Outreach. \$25,000. January 1, 2004-June 1, 2005. Funded.

Moody, L.D. *Piloting a Service Learning Minor and Engaging Student Experts in Rural Communities*. The Corporation for National and Community Service. \$108,154. Submitted.

Wheeler, D.W. *Neighborhoods in Transition: The University of Nebraska-Lincoln Community Outreach Partnership Center*. U.S. Department of Housing and Urban Development. \$388,914. February 10, 2001-June 30, 2005. Project Manager (four projects; Wayne Drummond, Miguel Carranza, and Rodrigo Cantarero). Funded.

Wheeler, D.W. *Improving the Quality of Life in Lincoln, Nebraska's Neighborhoods in Transition*. U.S. Department of Housing and Urban Development. \$198,000. November 2005-November 2007. Project Manager (three projects; Miguel Carranza and Rodrigo Cantarero). Funded.

**AgLEC Advisory Council
Spring 2006**

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Undergraduate student
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Kyle Perry
Undergraduate student
0218 Burr Hall 0831

Department of Agricultural Leadership, Education and Communication
Advisory Council
Minutes from Tuesday, April 11, 2006

Council Members Present: Craig Frederick, Mary Gerdes, Don Hutchens, Krystle Christner, Kyle Perry, Mike LePorte, Gayle Starr, Bud Stolzenburg, Jeff Yost Chad Schimmels (by phone).

AgLEC Members Present: Lloyd Bell, Dick Fleming, Betty James, Jim King, Gina Matkin, Dan Wheeler.

Chairman Hutchens called the meeting to order at 8:45 a.m. Introductions were made around the room and on the telephone.

Update on Department – Wheeler presented information about AgLEC. Enrollment is a very important. Departments are being looked at closely. Some of the budget issues are not so critical right now. There is a commitment from the legislature to help with the clean-up costs at Mead, utilities costs are down because we had a mild winter, and enrollment figures have been good. Jason Ellis from Iowa State will be starting on August 1st in AgLEC as the ag journalism assistant professor. An assistant professor in Tourism from the Hospitality Management program will be housed in our department. That position should be starting January 1st. Our department is seen as supporting programs such as Golf Management and Hospitality Management. These majors need leadership courses. The name of the game is enrollment and majors. All our programs are doing well, and Dick Fleming is the super recruiter. The Ag Journalism major currently has 27 students. Kay Rockwell, Evaluation Specialist, will be retiring in August. We will be having more discussions with Extension Administration about how to deal with the evaluation component of programs. More leadership faculty are still needed in AgLEC. We have recent graduates of our doctoral program who could possibly have courtesy or adjunct faculty status, and then may be able to teach a few classes. We will also be participating in the Great Plains Consortium. We are primarily a teaching department with small amounts of FTE in research and outreach.

Update on Student Recruitment – Matkin presented a recruitment report with numbers of majors. Christner presented the report of her recruitment activities, and asked for ideas for possible recruiting events/activities.

Use of Advisory Groups – Bell presented information on how advisory groups should be established. The biggest challenge is to develop them so they understand their role. Advisory groups should not make decisions. The group needs to be non-biased and sincere. An advisory group needs to function on its own. It should have its own charter and set the agenda that becomes their focus.

How should a local advisory group be established?
Consult with school administration. Avoid misinterpretation. Statement of rationale/purpose. Determine groups to be represented.

Ideas from advisory council –

- 1) New member orientation including major topics of the past would be helpful.
- 2) Schematic chart update each meeting – with faculty emphasis.

- 3) List of emerging issues.
- 4) Three month update to the Advisory Council, electronic listserv set up

Discussion of contacts for Jason Ellis – Ideas submitted include:

Colt Conference – May [LEAD Program]
FCLA – now
CDE - LDEs
PEAK – July (age groups)
Cattleman's Ball – June 3rd
Cattleman's Bank – Seward
Cattleman's Convention – December
Mike LePorte
Ad agencies
Don McCabe
National Association of Farm Broadcasters
Associated Press Broadcasters
Farm Bureau
High Plains Journal

AgLEC could host a reception to welcome Jason.

Election of Officers – Starr moved to re-elect the current slate of officers. Stolzenburg seconded. Motion passed. Don Hutchens will continue as chair with Dave Howe as vice chair.

Adjourned 12:00 p.m.

Submitted by Betty James
April 25, 2006

Next meeting: Wednesday, November 15, 2006
8:30 a.m. Continental breakfast
8:45 a.m. Meeting
12:00 p.m. Adjourn
East Campus Union
Please mark your calendars.

2006 AgLEC/NAEA Summer Professional Improvement Planning

Based survey results from last summer's Nebraska Career Education Conference, the following professional improvement opportunities have been planned for this summer. Your response is needed as soon as possible regarding your intentions of participation. Thanks for assisting the planning process.

June 5-8 NAEA/NCE Conference Holiday Inn, Kearney, NE

A graduate credit opportunity exists for any agricultural education instructor wanting to utilize the professional content of the conference to do so. **The one credit hour program is as follows*:**

- (1) attendance at all professional development and business sessions of the NAEA conference;
- (2) participation in one NAEA committee session during the conference;
- (3) attendance CDE keynote address "Are We There Yet?" Ray McNulty, Senior Consultant, International Center for Leadership in Education; Executive Director, Successful Practices Network (8:30-10:00 a.m.), and/or "The Drive Attitude: Leaders in Education" Dale Henry, PhD, (3:00- 4:30 p.m.) and
- (4) Nine hours of NCE workshops.

* Additional hours can be added via special projects related to a conference idea.

Participation in these activities must be followed up with a report indicating at least one significant professional or program development idea received from each, and a proposed "plan-of-action" to implement those ideas. Specifics regarding the report will be provided those who register. Registration plans **MUST** be discussed prior to the conference.

June 22 & 23 Agricultural Mechanics Scottsbluff and Kimball Agricultural Education facilities

This year focus will be on multiple phases of concrete block laying, welding curriculum development, MIG - TIG - Arc & O/A laboratory welding, and PlasmaCam ornamental iron work Block laying activities will revolve around creating wall divisions within the Kimball Ag department's laboratory remodeling project. We'll spend time discussing practitioner considerations for developing welding curriculum, allow everyone time to practice and exchange advice on laboratory welding procedures, and learn the operation of the PlasmaCam for ornamental iron work. PlasmaCam follows-up on the theme established several years ago of low cost, high interest projects for all students. Each teacher will leave the workshop with an attractive ornamental sign for their agricultural education program.

July 10 & 11 AGRI 115 Biotechnology -- Food, Health and Environment
Don Lee & Patty Hain, UNL Agronomy and Horticulture
Plant Science Bldg., Lincoln, NE and your school or home

Your participation in this workshop offers several options. You may complete one or both! Two hours of graduate credit may be earned by completing both.

Option One – you can participate in the two-day on-campus workshop, *Monday, July 10*, involving activities of bacteria cultures, inheritance of traits analysis, DNA extraction, plant tissue culture, genetic engineering introduction, and bacteria transformation, with visits to the mouse lab in Animal Science, grass and ornamental plant breeding in the horticulture greenhouse, and soybean and corn breeding in the Agronomy research fields. The day will be highlighted by a UNL biotechnologist describing how genetic engineering is used to discover genes or improve a living thing. On *Tuesday, July 11*, activities include genetic engineering project creation, gene design, environmental impact of genetic engineering game, crime scene investigation with DNA evidence, PCR and DNA electrophoresis, and ELISA test protein detection. A guest teacher, a UNL biotechnologist, will describe how proteins or DNA detection techniques are used to solve mysteries.

A second option, upon completion of the two-day workshop, will be to enroll and complete the AGRI 115 online from your home during the summer. This second option allows you to develop a more comprehensive understanding of biotechnology, and at the same time experience the online technology associated with the course. You will become more confident of your biotechnology instruction.

The focus of AGRI 115, Biotechnology: Food, Health and Environment, is to show **how** scientists take advantage of their understanding of biology and biotechnology to solve problems and make discoveries involving the microbes, plants and animals and **why** this work is important in our food system, to our health and to the environment.

The course is organized into three main areas of biotechnology

1. Breeding and Selection
2. Genetic Engineering
3. Molecular Diagnostics

July 18 & 19 Landscape Design
Kim Todd & Richard Sutton, UNL Agronomy & Horticulture
Plant Science Bldg., Lincoln, NE

Landscape design is an exciting field offering opportunities for students to start their own businesses, work in public or private landscapes, and build a career individualized for their own interests. Landscape architects Kim Todd and Richard Sutton intend to expose teachers to the process and possibilities for introducing landscape design into your career education programs.

August 1 & 2 Investigating Your Environment for Wildlife Instruction
Jeanine Lackey, Wildlife Education Specialist
Nebraska Game and Parks Commission
Central Nebraska - specific location TBA

The focus of this workshop will be learning how to develop and utilize school grounds and surrounding community resources to study wildlife. Topics will include, but not be limited to appropriate plant and tree identification, habitat development, ecosystem analysis and establishment, tracking and physical characteristics of associated wildlife, habitat succession, carrying capacity and limiting factors, etc. Emphasis will be placed on demonstrating related hands-on learning activities.

August 7 & 8 Landscape Construction
Kim Todd, UNL Agronomy & Horticulture

Get the dirt on a solutions approach to landscape design during this two-day workshop. You will participate in several hands-on landscape construction and installation experiences, and will have the opportunity to learn techniques used for creating pondless waterfalls and other popular landscape features. Bring your digital camera to record teachable moments.

NAEA / UNL AgLEC 2006 Summer Inservice Registration Information

Your participation in these sessions can be accumulated as professional growth points toward graduate credit (i.e., six hours of session participation *accumulates* toward 20 hours necessary for one graduate credit hour). Through the addition of curriculum development activities, credit generation can be enhanced.

Please check the sessions you will be attending. Participation in these workshops requires a \$25 registration fee (check payable to NAEA). Return this preregistration by Friday, June 9,

<u> </u> June 5-8	NAEA/NCE Conference	Holiday Inn, Kearney, NE.
<u> </u> June 22 & 23	Agricultural Mechanics	Alan Held & Bob Pedulla, Instructors Kimball & Scottsbluff High Schools
<u> </u> July 10 & 11	AGRI 115 Biotechnology	Don Lee & Patty Hain, UNL Agronomy and Horticulture CASNR Plant Science Bldg., Lincoln, NE, and your school or home
<u> </u> July 18 & 19	Landscape Design	Kim Todd & Richard Sutton, UNL Agronomy & Horticulture Plant Science Bldg., Lincoln, NE
<u> </u> August 1 & 2	Investigating Your Environment	Jeanine Lackey, Wildlife Education Specialist Nebraska Game and Parks Central Nebraska - specific location TBA
<u> </u> August 7 & 8	Landscape Construction	Kim Todd, UNL Agronomy & Horticulture Plant Science Bldg., Lincoln, NE

Name _____

E-mail _____

Summer address _____

Summer telephone _____

I will be attending _____ workshop sessions @ \$25/session for a total of \$ _____.
My check made payable to the NAEA is attached/enclosed.

Graduate credit registration: 20 actual clock hours of inservice training equate to one graduate credit. Full participation in any two inservice workshops will qualify for one graduate credit. Additional graduate hours can be generated through curriculum activities related to workshop content, i.e., cross walking a complete curriculum with academic core standards.

Summer session registration guidelines for workshop related credit.

Registration deadline – July 9, 2006

Course number – ALEC 896, section # 601, credit hours 1-5, Call # 1184, grade type - Pass/No Pass

Begin the registration process at: <http://www.unl.edu/gradstudies/prospective/apply.shtml>