Fall 2005

UA66/5 Newsletter

WKU Agriculture

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Purchase of Agriculture and Conservation Easement - PACE

For those of you that need to be brought up to speed on this situation, here is the history. The president called Dr. Rudolph to a meeting in July 2004. The purpose was to discuss roads on the farm. As it turned out, the discussion was about running Elrod Road across the farm and making a new interchange across the Natcher Pkwy. The Ag Faculty agreed to work with this situation but we wanted the Farm placed in the PACE program to stop any future development. The president agreed to the proposal and we have been working with all parties involved to help bring this to a successful end.

We are making real progress toward our goal of protecting the WKU Farm from commercial or residential development. The city of Bowling Green and Warren County paid for the survey of the Farm and the Elrod Road extension across it, at a cost of $25,000. Dr. Rudolph is preparing to present the new plat and plan to the Board of Regents at their November meeting. We will have the new plat on display our Homecoming Luncheon.

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EST 260-265 Remodel

We have been making some improvements to the classrooms in EST. Believe it or not, we now have seating in 260 (Dr. Bedel’s room) for 100. The AgEd classroom has also changed to allow for seating in a seminar/meeting type setting. We would love for you to stop by and see the changes, we will also have it open after the Homecoming Luncheon for anyone that would like to see the changes. Just another reason to come for a visit.

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Homecoming

Please come to our Homecoming Luncheon. There are so many things going on in the Department that the only way to fully appreciate is to see for yourself. We will have prints of the WKU Dairy Barn and Snell Hall for sale (money goes for scholarships). We will have farm tours both before and after the luncheon and the food will be great as usual.

Barn Prints $30   Snell Hall Prints $100

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**HOMECOMING LUNCHEON**

October 15, 2005

12:00 p.m.

AG Expo Center

$15.00

Please RSVP at 270-745-3151 by October 11
Greetings from the WKU Dairy!

Currently the dairy is going through a reconstruction and rebuilding phase. Plans called for a completion date of September 1, 2005 but as you know many things especially building projects do not go as planned. Now, we are hopeful to be in the new facility by December 1, 2005. As many might know we are currently involved with the USDA-ARS in Johne’s research. WKU dairy had an estimated 30% prevalence rate, this after 20 years of testing and culling, and predictions called for this number to rise over the next five years. With the combination of outdated and inadequate facilities and Johne’s looming over our heads it only made sense to disperse the bulk of the herd and keep some replacements to start back in the dairy business by September. Those cows with significant blood titres and their near family members were culled, and some of the remainder were offered for sale as commercial cows. The herd background was given to the buyers.

Next the task began, what type of facility would or might we be happy with? And even more important what can we afford? On the next page is a blueprint of the proposed facility. The free stall barn will hold 60 animals in free stalls and additional housing is provided on the North side of the barn, also included is a lab/hospital and storage area. A new parlor is in the plans but will only be built when money is available to cover the entire cost.

We have maintained 25 replacement heifers and 14 first lactation cows to start back dairying; additionally we have purchased 20 new animals from various regions of the U.S. We feel that we span all interests in cattle and have a broad range of genetics purchased to add to the WKU herd. Current plans call for a merchandising scheme which includes embryo transfer and selling animals throughout different consignment sales in the U.S. This will be addition to maintaining a high profitable level of production in the herd. The ratio in the herd will be about 2 Holsteins to each Jersey.

The last 10-11 months have been intense but we feel that the changes are for the improvement of the WKU dairy facility and its many students and alumni. Any questions may be directed to the departmental office at (270)745-3151. Also, Andy Pike, dairy manager, may be reached at (270)779-0663. We welcome any questions, comments, ideas, or visits to the University Dairy Farm.

As we move onto a new phase with the WKU Dairy Herd, we might review a little history:

1920 - Dairy barn built on south side of campus fluid milk sold on campus, the old creamery was located in Recitation Hall –present site of Cherry Hall

1927 - Leased 580 acres known as the Covington Farm

1928 - Board of Regents purchased 60 acres to be known as the “Agricultural Campus.” New stanchion barn built - site of Tate Paige Hall

1931 - Stock Pavilion erected -it and pastures about where present dorms are located

1934 - Covington Farm purchased, as well as four houses constructed

1938 - Herd consisted of 13 registered Holsteins and 28 Jerseys

1941 - Milk from dairy sold for use in school dormitories

1942 - Dairy consists of 52 Jerseys and 48 Holsteins

1945 - Present dairy barn completed, current parlor located in the old stanchion barn

1961 - Free stall barn constructed (this one is damaged and condemned)

1963 - Silo constructed behind Taylor Center

1964 - Loafing barn for heifers and to continue to hold sales constructed near Taylor Center

1971 - 271 acres purchased

1968 - 1980 - Many WKU Holstein cows rank high in production nationwide

1980 - Near noon, lightning killed fifteen cows. These cows were the high producing group. At the time, these cows held two-thirds of the state records.

1990’s - Jerseys return to WKU via donations by breeders

Note - for those wishing more information, there are still copies of Mr. H.C. Cary’s book on “Agriculture at Western Kentucky University.” Also some prints of the old “Dairy Barn” are still available.
Dr. Jenks Britt did a half time sabbatical at the Breathitt Veterinary Center (BVC) in Hopkinsville during the Spring 2005 semester. The BVC is one of two animal diagnostic labs in Kentucky. At the lab Britt rotated through the various diagnostic sections, completed a laboratory customer satisfaction survey and did an analysis of U.S. diagnostic labs employee compensation packages.

Dr. Britt is also active in research and currently has funded projects totaling over $130,000 with EcoLabs, Western Yeast Company, Novartis Animal Health, Mammoth Cave Goat Producers, Kentucky Department of Agriculture and USDA. Britt supervises grad students Andy Pike and Fabian Bernal and teaches Physiology and Anatomy of Domestic Animals, Animal Pathology, Science of Agriculture, Livestock Management and Physiology of Lactation. Britt also serves as coach of the Dairy Challenge Team. Dr. Britt serves as veterinarian for the University farm and also travels to Mexico several times yearly accompanied by WKU Agriculture students to work with large dairy herds.

In Memory
Billy Adams 1923-2005

As many of you know, Billy Adams, long time faculty member (1953-1980), passed away this spring.

Billy is remembered for the many classes he taught, however, he might also wish to be remembered for his effort in dairy cattle judging.

For those who wish to send a remembrance there is a Billy Adams scholarship fund for students in agriculture.
WKU Gamma Sigma Delta – Honor Society of Agriculture

On April 28, 2005, the WKU Chapter of Gamma Sigma Delta – Honor Society of Agriculture was installed and 15 new members were initiated. This makes a total of 23 members since eight faculty are already members of GSD. Our chapter is the 52nd chapter to be initiated into the 100 year old Gamma Sigma Delta – Honor Society of Agriculture. The installation and initiation ceremony and banquet was held April 28, 2005 at the Ag Expo Center and was presided over by Dr. John Hillison (Virginia Tech), International Past President and Dr. Mary Marchant (UK), International Historian of Gamma Sigma Delta – Honor Society of Agriculture.

The purpose of Gamma Sigma Delta is to promote and to recognize achievements of individuals who excel in their respective fields in agriculture. Membership in Gamma Sigma Delta is often recognized by recruiters, colleagues and foreign and domestic governments as an indicator of exceptional academic and/or professional performance.

All nominations and election to membership are made by current members of Gamma Sigma Delta. To be nominated for membership in the WKU Chapter of Gamma Sigma Delta-Honor Society of Agriculture, undergraduate students must have completed at least 60 credit hours, have completed at least one year of academic work at WKU, and have a GPA of at least 3.5. Graduate students must show superior ability to carry out research and/or advance study in agriculture, show promise in the field, must have completed 40% of the hours required for the degree, and have a GPA or at least 3.5 in all graduate work.

Alumni and Honorary membership can also be given in the WKU Chapter of Gamma Sigma Delta – Honor Society of Agriculture.

<table>
<thead>
<tr>
<th>Name</th>
<th>Classification (Faculty/Student/Alumni)</th>
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<tbody>
<tr>
<td>Byron Sleugh - President</td>
<td>Faculty</td>
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<tr>
<td>Nevil Speer – President-Elect</td>
<td>Faculty</td>
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<tr>
<td>Jack Rudolph - Secretary</td>
<td>Faculty</td>
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<tr>
<td>Becky Gilfillen- Treasurer</td>
<td>Faculty</td>
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<td>Luther Hughes-Historian</td>
<td>Faculty</td>
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<td>Paul Woosley</td>
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<td>Martin Stone</td>
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<td>James Martin</td>
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<td>David Stiles</td>
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<td>Alvin Bedel</td>
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<td>Orville W. Dotson</td>
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<td>Roger Dennis</td>
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<td>Jenks Britt</td>
<td>Faculty</td>
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<td>David Coffey</td>
<td>Faculty</td>
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<td>Todd Willian</td>
<td>Faculty</td>
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<tr>
<td>Jared Weaver</td>
<td>Student</td>
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<td>Pam Coffey</td>
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<tr>
<td>Stacey Coffey</td>
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<td>J. Matthew Simpson</td>
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<td>Elissa Roberts</td>
<td>Student</td>
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<tr>
<td>Amy McGee</td>
<td>Student</td>
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<tr>
<td>Jill Templeman</td>
<td>Student</td>
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<tr>
<td>Jerry Hammelman</td>
<td>Student</td>
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Institute for Future Agricultural Leaders

The annual Institute for Future Agricultural Leaders (IFAL) was held this past June with more than 46 participants from 28 Kentucky counties. The program provides an opportunity for the high school seniors to learn more about career opportunities in agriculture, as well as to develop leadership skills. Highlights of the five-day event included sessions on leadership and speaking skills, adjusting to college, career opportunities plus some political discussions with state agricultural officials. There were numerous tours of Western Kentucky facilities and local tourist attractions. And there was time set aside for fun activities like movies, shopping, and of course eating!

Our agenda at WKU included a tour of a local hog farm and feed mill, a cookout with university officials, a bonfire, a photo scavenger hunt, and a “barnyard” olympics. Participants were selected by their respective county Farm Bureaus after having completed their junior years in high school. Many of the participants are in leadership positions with FFA and 4H. The group was addressed by Kentucky Farm Bureau’s (KFB) Second Vice President Mark Haney. Haney, who operates an orchard and roadside market in Pulaski County, used an analogy about apple production to relate KFB’s and WKU’s interest in young people. He explained how apple producers cultivate their trees by pruning out most of the blossoms to make space for the “king” blossoms, which produce the highest quality fruit. He then added that Farm Bureau and WKU are interested in IFAL participants because “they are the king blossoms.”

The WKU students who served as counselors were Whitney LeGrand, Josh McCubbins, John Rowley, Ashley Musselman, and Jillian Warren. Dr. Gordon Jones served as the faculty coordinator.

This past year, Dr. Jenks Britt and students Tom Antonini, Chris Davis, Chad Grace, Jordan Hawkins, Ashley Nieman, Niki Poole and Jason Weaver created a new teaching tool. The creation is a full size skeleton put together from a deceased cow, #608, at the University Dairy Farm. The skeleton will be used in several Animal Science classes.
SNELL HALL PRINT - $100
Call the Ag office at 270-745-3151 to order your print. Checks can be made payable to the WKU Foundation.
WKU DAIRY BARN PRINT - $30

Call the Ag office at 270-745-3151 to order your print. Checks can be made payable to the WKU Foundation.
Dear Alumni,

The turf program has had another successful year on the hill. Six students graduated from the program last year. Five of the six are currently employed in good positions within the turfgrass industry. Zach Vickers and Kyle Willoughby are working in the Nashville area. Brett Lafferty in Bowling Green, Brandon Kessinger in Scottsville, Andy Hutchinson in Louisville, and Dylan Stafford in Jacksonville, FL. Nathan Lind decided to go back and work on his family farm in Indiana. I am very proud of our graduates this past year and am extremely happy to see them succeed in their early careers.

Pete Dotson retired this past summer. He has moved on to do some work with Hartland Equipment and work on restoring his old T-bird convertible. Let me tell you, if you think Pete looked snazzy before, wait until you see him cruising Woodburn in the T-bird. We are very happy for Pete, yet very sorry to see him leave. We are truly grateful for what Pete has done for the Agriculture Department and especially grateful he had the insight to start a Turfgrass Management Program. Thank you, Pete.

Pete’s shoes are hard to fill, so we have hire two people to accomplish the task. We are happy to welcome Joey Reynolds to the Ag. Department. Joey is a graduate of WKU and former mechanic at Valhalla Country Club. He has taken over the compost facilities and program and also manages the 2-hole golf course and turf equipment at the farm. Joey is also pursuing a master degree in the department while helping teach in turf related courses.

Cris Scudder is also new to the faculty. Cris comes to us from Eastern Kentucky University. He has taken over teaching the agriculture mechanic courses left open by Pete’s retirement and Jack Rudolph’s new responsibilities as interim department head. Cris is teaching turf irrigation and small engines along with the introductory courses, AGMC 170/171. As Joey is helping with Pete’s responsibilities on the farm, Cris is taking over in the classroom. I am very excited about having Joey and Cris on board and feel the turf management program will greatly benefit from their expertise.

Look forward to seeing you at homecoming!

Dr. Paul B. Wooley

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2005-2006 Ag Ambassadors

The 2005-2006 WKU Agricultural Ambassador team consists of twelve outstanding students. Amy McGee is a senior Pre-Vet/Animal Science major from Gardiner, Maine; Ashley Musselman is a senior Ag-Ed major from Noblesville, Indiana; Pam Coffey from Nancy, Kentucky, is a senior Agriculture and Biology major; Megan Williams is a senior Ag-Business major from Allen County, Kentucky; Bradley Warren is a senior Ag-Business major from Springfield, Kentucky; Ashley Moore is a senior Ag-Business major from Rose Hill, Iowa; Landon Keown is a senior Horticulture and Economics major from Smiths Grove, Kentucky; Josh McCubbins is a junior Biochemistry and Ag-Business major from Nelson County, Kentucky; Kellie Burch is a junior Ag-Ed major from Owensboro, Kentucky; Jenna Brown is a sophomore Ag-Business major from Bowling Green, Kentucky; Sheldon Pence is a sophomore Ag-Ed major from Fleming County, Kentucky; and Hope Ballman is a sophomore Ag-Ed and Ag-Business major from McDaniels, Kentucky.

Among the many projects this team participates in, they are eager to start a new tutoring program for Agriculture students this fall. They are also keeping busy with school and farm tours, high school visits, Focus on Western days, and recruitment phone-a-thons. This coming January they are planning to attend the National Agricultural Ambassador conference in Gainesville, Florida.

Joeys Reynolds  Cris Scudder  

Student Teachers Spring 2005

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Supervising Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derrick Benton</td>
<td>Muhlenburg N.</td>
<td>Jay McElwain</td>
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<tr>
<td>Rebbecca Jepson</td>
<td>Logan</td>
<td>Brian Estes</td>
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<tr>
<td>Terry Beth Mitchell</td>
<td>Logan</td>
<td>Doug Milliken</td>
</tr>
<tr>
<td>Jill Templeman</td>
<td>Warren E.</td>
<td>Dan Costellow</td>
</tr>
<tr>
<td>Matt Simpson</td>
<td>Warren C.</td>
<td>Samantha Mosley</td>
</tr>
<tr>
<td>Amanda Brawner</td>
<td>Greenwood</td>
<td>Jamie Woosley</td>
</tr>
</tbody>
</table>

*Congratulations* to newly employed or transferring WKU graduates teaching Ag-Ed!

- Amanda Brawner - Logan
- Justin Horton - Wayne
- Matt Johnson - Clinton
- Mike King - Henderson
- Cary Fisher Leib - McLean
- Logan Felts - North Lawrence (IN)
- Robert Parrish - Warren Central
- Derrick Pyles - Carvers Bay, SC
- Matt Simpson - New Haven Middle (Nelson)

Horticulture Happenings

Horticulture students in Landscape Design and Construction class last spring had a real life landscaping experience. They measured, designed, estimated, purchased, and installed a landscape for five of the houses on the WKU farm. The class was divided into five teams of four to five students and they functioned as a landscape design and construction team. The students gained valuable experience in how such an undertaking works and also how to work with others who had ideas different from their own. There was even some conflict resolution and compromise within the teams! Each design is different and all are good. Also, at the main farm entry off of Nashville Rd. note the handiwork of a couple of horticulture students who designed, estimated, and constructed the new gardens. They built the decorative brick retaining walls and planted the gardens. Next time you are at the farm, drive around and take a look at the talents of our horticulture students.

The horticulture club took a trip to the Missouri Botanic Gardens in St. Louis this spring and it was great fun. The students toured the gardens to exhaustion all day. It was the peak flowering weekend of the entire year in the gardens and they were treated to some spectacular displays. Unfortunately, some of them had to be rescued from a hedge maze by a group of eight-year olds who had it memorized. On the way back, they toured the Arch along the waterfront of the Mississippi River.

Last spring Jared Weaver graduated from the horticulture program and filled the position of City Arborist here in Bowling Green. We wish him the best of luck. Also, our Master’s student, Pavani Vupalappati graduated and is now pursuing her Ph.D. in horticulture at UK. Kyle Daniels is working on his M.S. in blueberry propagation and orchard management and Jaime Ritter has joined us to pursue a M.S. in sunflower cut flower research. Kyle is a graduate from our department and Jaime is switching over from English Literature here at Western.

This fall we are looking forward to turning an overgrown brushy area behind our building into a shade garden. We will clear it out and design and install gardens that may include retaining walls and water features. The design depends on what we find when everything is cleared away. Dr. Rudolph has agreed to help with construction projects and we look forward to seeing where this project might lead.

In January, in cooperation with the Baker Arboretum and Leichhardt’s Garden Center, we hosted a two day grafting workshop. An expert was brought in and about twenty-five students and a few faculty members learned the art of grafting. We grafted pines, Japanese maples, and many others. The art of grafting is dying as the great nurserymen pass away. This was a chance to pass this skill along to the next generation of horticulturists and the transfer was successful.
WKU BLOCK AND BRIDLE CLUB WINS NATIONAL AWARDS

The Western Kentucky University Block and Bridle Club captured two of the five national awards presented during the 85th National Convention in Denver, Colorado, January 13-15. Whitney LeGrand, an Agriculture and Communications major from Warsaw, KY, was awarded first place in the Outstanding Junior competition among candidates representing the 91 chapters nationwide. This award was based upon Block and Bridle activities, academic achievements, leadership ability, and other campus involvement.

A second major competition is the Chapter Scrapbook Competition. Each chapter has the opportunity to submit their scrapbook for judging at the National Convention. For the second year in a row, the WKU scrapbook has placed first. The Block and Bridle member who has been in charge of preparing both of these scrapbooks is Fran Korthaus, a senior PreVet/Animal Science student from Prospect, KY.

The WKU chapter also placed 5th out of 91 chapters in the Chapter Activities award. This award requires each chapter to submit a detailed description of all yearly activities. Some of the major activities of the WKU Block and Bridle chapter are a catering service provided for community agriculturalists and visitors of the WKU Ag Exposition Center, various community service activities, hosting guest speakers at meetings, and traveling to conventions and field trips to broaden members’ knowledge about agriculture and the animal science industry.

Western Kentucky University Block and Bridle was represented by 27 members and 1 faculty advisor at the Convention. In addition to the awards banquet, members had the opportunity to tour various agriculture facilities in Colorado, and participate in leadership development seminars. Students also spent a day that the 99th National Western Stock Show and Rodeo in Denver, CO.

2005-2006 Officers:

President: Fran Korthaus
Vice President: Amy McGee
Secretary: Emily Hayden
Treasurer: Alicia Bethel
Reporter: Josh McCubbins
Sergeant in Arms: Bradley Warren
New Member Ambassador: Ashley Moore
Social Chairmen: Jenna Brown, Jillian Warren
Alumni Secretary: Hope Ballman
Scrapbook Chairman: Jordan Beyke
Barbeque Chairmen: AJ Boden, Brad Nuekem, Adam Tattersall, Josh Oats
Faculty Advisors: Dr. Gordon Jones, Mr. Darrin Benton

*****Block and Bridle will have a tent set up on South Lawn at noon for Homecoming*****

SPECIAL NOTE TO AG ALUMNI

We are looking for a 1906 tractor for next year’s Centennial Celebration. If you know where we might find one, please call the office at 270-745-3151 and let us know.
Agronomy News

Student News
Agronomy Students have been busy taking several trips this past year. WKU Agronomy Students competed in the Southern Regional Soil Judging Competition during November, 2004 which was held in Auburn, AL. Team members included: Jon Cambron, Robin Dalton, Matt Futrell, Philip Price, Matt Simpson, Lacey Stoner, and Darren Tabor. WKU finished 6th out of 13 teams. We will be hosting the regional competition here at WKU in October, 2006. Another Soil Judging Contest was held by the National American College Teacher’s Association in Norfolk, NE in April 2005. WKU placed 3rd out of 8 teams. As you can see these contests give students a chance to learn about several different soils and compete with nationally ranked college and universities.

In March 2005, the Agronomy Club visited the Ethanol Refining Plant in Hopkinsville, KY. In June 2005, WKU Agronomy Students attended the AFGC Meeting in Bloomington, IL. Here the students placed 1st in the Grassland Evaluations and 2nd in the Forage Quiz Bowl. Matt Futrell also received the 1st Place Individual for the Grassland Evaluation. Forage Team Members included: Chris Davis, Matt Futrell, Adam Massey, and Susan Priddy.

Faculty News
The Agronomy Faculty continues to focus on research in the area of waste management in cooperation with new USDA-ARS unit located at the WKU Farm. Research projects include the use of poultry litter as a fertilizer source to grow forage and field crops. Nutrient management is closely monitored as excess nutrient accumulations occurred in the soil as poultry litter is applied to meet crop N requirements. Drs. Becky Gilfillen, Byron Sleugh, and Todd Willian made presentations at Seattle, WA last November at the National ASA Meeting. In addition they also presented papers at the Mississippi Waste Water Resources Research Institute Meeting in April. Dr. Sleugh also hosted the International Amaranth Conference here at WKU in August. We had several attendees representing four countries. This past July, Ms. Holly Henderson left as our research technician. She will be focusing on graduate school full time in West Virginia. We thank Holly for her expertise in starting up our research lab and wish her the best in the future.

Dr. Linda Brown has returned to the department as a full time professor starting this past January. Along with her Agronomy teaching, she will be offering a class in the Early Summer Ireland Program through Cooperative Center for Study Abroad. The program will be for two weeks at the end of May and is based out of Dublin with a field trip of significant length to Galway. Credit towards the WKU Leadership Certificate is available for this course at both the graduate and undergraduate level. If you are interested in this program please contact linda.brown@wku.edu.

Hurricane Katrina Fundraiser
The Departments of Geography/Geology, Architectural and Manufacturing Sciences, and Agriculture went together to raise money for the victims of Hurricane Katrina. We served lunches on 4 different days and raised over $8,500. We received help for this project from the following good folks:

Farm Credit Services RC Cola
Frito-Lay Kroger
Houchens Smuckers

If you have any changes in your contact information, please call the WKU Alumni Office at 270-745-2469 or e-mail Doris Vance at doris.vance@wku.edu.
WKU AG FACULTY FALL 2004

From left to right: Back row - Alvin Bedel, Roger Dennis, David Coffey, Linda Brown, Pete Dotson, Becky Gilfillen, and Jenks Britt.
Middle Row - Luther Hughes, Martin Stone, Todd Willian, Paul Woosley, David Stiles, and Nevil Speer.