ACADEMIC PROGRAMS OFFICE

New and returning advisors are invited to attend the CALS Fall Workshop on Friday, August 13 from 9:00 a.m. - 2:00 p.m. in 1400 Williams Hall. Please register at:

http://harvest.cals.ncsu.edu/applications/cals_registration/index.cfm?eventID=447

The Fall Academic Programs faculty meeting will be held from 9:00 - 12:00 on Tuesday, August 17 in 2215 Williams Hall. All those with teaching and advising responsibilities are encouraged to attend.

Colleges and universities are discovering that students get more out of their college experience if they truly connect with their campus. *Half the Sky* by Nicholas Kristof and Sheryl WuDunn has been selected as the 2010 NCSU Summer Reading book. For students in the College of Agriculture & Life Sciences, the common reading is required. *Half the Sky* will be a required text in the ALS 103 course and there will be an associated assignment in the ALS class. We are highly recommending that our incoming freshmen attend the Convocation Festival at the RBC Center to hear Nicholas Kristof speak on Monday, August 16, 2010.

**Wolfpack Welcome Week:**

- Monday, August 16 – Convocation, RBC Center, 7-8:30 p.m.
- Tuesday, August 17 – College Connections, under Harrelson Hall, 2-4 p.m.

Please email Tricia Buddin at tricia_buddin@ncsu.edu if your department is planning a departmental welcome session Tuesday afternoon. Please include time and location and we will help advertise to students.

The *Spend A Day at State* program will begin September 20th for the Fall Semester. For additional information contact Ms. Tricia Buddin or visit the web site.

**Save the Date:** *University Open House* will be held Saturday, October 16th from 9:00 a.m. until 1:00 p.m.

**Fall 2010 Seminar Course led by Agriculture Commissioner Steve Troxler:**

*Agriculture Perspectives and Opportunities*

ALS 495-004 (30343) and AGI 95-005 (29396)
1 semester credit hour, S/U credit
Wednesday 4:30 – 5:20 in Fox 306
Seats are limited to 15 ALS and 15 AGI students
Wolfpack Welcome Week Activities:
On Tuesday, August 17th, CALS Career Services will host 2 workshops for CALS students to kick off the Fall semester.  *Your Future Starts Now* is for incoming freshmen and will be held from 1:00-2:00 p.m. in Witherspoon.  This hour long workshop gives freshmen a chance to get to know other CALS students while we educate them on how to make the most of the next 4 years.  We want our students to be proactive and integrate career planning and gaining relevant experience into their academic experience!  *Focus On Your Future* is for returning CALS undergraduates (sophomores through seniors) and features several alumni and employer representatives as speakers on topics like finding internships and jobs and standing out in a competitive crowd.  The speakers will share their stories as it relates and provide advice to current students.

Students must register ahead of time to attend, as seats are limited.  There are only a few seats left for *Your Future Starts Now* (for freshmen) and students can sign up at:


Registration is coming soon for *Focus on Your Future*.

CALS Career Expo:
Registration is now open for the 19th annual CALS Career Expo, to be held on Thursday, October 28th.  Please encourage any employer or graduate school contact to participate this year.  Each year, over 1300 students attend so it is a great way to reach our students with information about jobs, internships, or graduate and professional school programs.  More information can be found at [www.cals.ncsu.edu/career/employers](http://www.cals.ncsu.edu/career/employers), or you can call Melissa or Marcy at 515-3249.

New ePACK system:
This summer we updated the ePACK system to include many new features.  Over the last couple of weeks, we have received many job and internship opportunities.  Please encourage your students/recent grads to login and check out all the opportunities!  As a faculty member, we can give you access to the system so that you can assist your students and advisees with their searches or review their resume.  To gain access, please contact Melissa Kahn at 515-3249.

MARK YOUR CALENDARS

**AGI Fall Faculty Meeting (MANDATORY)**
Friday, August 20, 2:00pm - 4:00pm
RSVP:  [http://harvest.cals.ncsu.edu/applications/cals_registration/index.cfm?eventID=446](http://harvest.cals.ncsu.edu/applications/cals_registration/index.cfm?eventID=446)

**NORTH CAROLINA COOPERATIVE EXTENSION SERVICE**

Interior design and hunger prevention projects highlight State 4-H Congress
More than 500 youth, adult volunteers and 4-H agents attended State 4-H Congress, July 19-22 held this at North Carolina State University and locations around Raleigh. Congress included a youth version of “Trading Spaces,” where teams create a room design, and the kickoff of 4-H’s Hungry to Help project.  During the four-day event, delegates also participated in competitions, workshops, assemblies, recreation, fellowship and service to the community.  Two teams of youth participated in the first 4-H Eco-Works Challenge, an opportunity to work with designer Edward Walker of
television’s “Trading Spaces.” Walker, who grew up in North Carolina, has returned to the state and wanted to share the field of design with youth. The teams designed and created 8x8 rooms spaces in the Exposition Center at the N.C. State Fairgrounds.

4-H’ers are “Hungry to Help”
4-H'ers attending State 4-H Congress in late July committed to an ambitious goal of collecting 1 million pounds of food for North Carolina’s food banks as part of a campaign called Hungry to Help. Conducted in partnership with the Food Banks of North Carolina, the campaign is designed to promote awareness of hunger in North Carolina and to help stop it. To get started, 350 4-H'ers gathered at Dorton Arena at the State Fairgrounds to repackage 37,900 pounds of pasta from massive containers into smaller, family-sized portions.

Cooperative Extension is partner in 10% Campaign
North Carolina Cooperative Extension is supporting the 10% Campaign, aimed at encouraging consumers to spend 10 percent of their food dollars locally, by providing an agent in each county to serve as a local foods coordinator. In addition, Extension has signed on to promote the campaign and support a 10% Campaign Employee Challenge. We are encouraging Cooperative Extension employees around the state to join the campaign through the web site, www.nc10percent.com and pledge to purchase 10 percent of your food from local sources.

Military families survey open until Aug. 6
eXtension is conducting the Military Families Environmental Scan Survey, in partnership with the Department of Defense Military Community and Family Policy (DoD – MC&FP) and the U.S. Department of Agriculture – National Institute of Food and Agriculture (USDA–NIFA). Whether you are the person with the best knowledge to complete the survey by Aug. 6, or if there are others that should provide this information, please help by communicating the importance of this project. URL for the online survey is http://tinyurl.com/MilFamSurvey

Golf tournament offers chances to win cars
Hit hole, win car. With apologies to the Durham Bulls baseball team (whose outfield sign famously promises "Hit Bull, Win Steak"), that might be the theme for the 2010 Dr. Art Bruneau Golf Tournament and Scholarship Fundraiser Aug. 10 at North Carolina State University's Lonnie Poole Golf Course in Raleigh. The inaugural Bruneau Golf Tournament was held last year to observe the retirement of Dr. Art Bruneau, a long-time N.C. State professor whose specialty was turfgrass. That first tournament raised $4,500 for a scholarship fund at N.C. State. Proceeds from the second tournament -- the entry fee is $100 -- will also go to the scholarship fund.

Workshop on safety in agritourism offered in September
The N.C. Agromedicine Institute will offer a free open house and workshop on implementing Agritourism Health and Safety Guidelines for Children from the National Children's Center for Rural and Agricultural Health and Safety. The event is Sept. 15 at Lazy O Farm in Smithfield, and Cooperative Extension agents are encouraged to attend. For more information about the workshop,
please contact Robin Tutor, tutorr@ecu.edu or Tami Thompson, dtdjthompson@sprintmail.com, 919.934.1132

**Going mobile: Extension IT offers site for smartphones**
North Carolina Cooperative Extension has gone mobile with the launch of a new website designed specifically for smartphones such as the iPhone, Palm, BlackBerry and Android. The site, at [http://m.ces.ncsu.edu](http://m.ces.ncsu.edu), features staff directories for Cooperative Extension and N.C. State University and maps to county centers. Users can also reach news feeds from Extension Online News and eXtension. Ray Kimsey, senior information strategist with Extension Information Technology, developed the site. "It didn't make sense to duplicate the whole site. The goal was to make a site that was useful for someone using a phone," he said. From the field, users can call up a county center map and get directions via GPS. And from the employee directory, they can automatically call or email staff members. Read more from [Extension Online News](http://www.ncsu.edu/sparcs/coi/index.php).

**Moore County 4-H’ers learn through blueberry project**
Eight teens and tweens wandered beneath and between the branches of blueberry bushes under a sweltering July sun in Moore County's Cameron community. Some mentioned the careers they'd like to pursue when they grow up: One said a hockey player. Another, an auto mechanic. And yet another, a veterinarian. Whatever careers they ultimately choose, all of the 4-H'ers were gaining skills that will help prepare them. They were learning what it means to work hard, develop a business plan, put it into action and move on to new strategies when things don't work out as planned. Read more from [Extension Online News](http://www.ncsu.edu/sparcs/coi/index.php).

**Program helps people Eat Smart, Move More and Weigh Less**
More than 65 percent of all N.C. adults are overweight, and our state ranks fifth worst in the country for childhood obesity. Cooperative Extension is out to change these statistics through its Eat Smart, Move More, Weigh Less program. The 15-week program helps people plan, track and live healthier lifestyles. A team of experts with Extension and the N.C. Division of Public Health developed the program. Read more from [Extension Online News](http://www.ncsu.edu/sparcs/coi/index.php).

**NORTH CAROLINA AGRICULTURAL RESEARCH SERVICE**

**The Forage Field Day**
The Forage Field Day was held on July 20, 2010, at the Mountain Research Station in Waynesville, NC. There were at least 100 people in attendance with good participation from Cooperative Extension, NCDA &CS and Natural Resources Conservation Service. Multiple vendors brought in equipment to demonstrate. The participants were interested in weed control in pastures and took a quiz on weed identification. There were several people who identified all the weeds correctly, but most learned some new plants. It was a successful educational event.

**Conflict of Interest**
It is time to file the 2010-2011 Conflict of Interest online forms. Remember, COIs are to be completed by all the following covered employees:
- All Faculty
- All EPAs
- Adjunct and Emeritus faculty that are working on a current sponsored project
- SPA, Grads and Post Docs who are paid from a current sponsored project (ledger 5) account

Here is the link to the COI site: [http://www.ncsu.edu/sparcs/coi/index.php](http://www.ncsu.edu/sparcs/coi/index.php)
The Produce Lady
The Produce Lady (aka Brenda Sutton) will be interviewed on Martha Stewart Morning Living radio show Monday, August 2, at 7:30 a.m. This show is on Sirius Radio, which is subscription only, but you can sign up for a free 7-day trial, just to hear The Produce Lady!
www.sirius.com/freetrial/register

Also, the latest issue of Carolina Country magazine, published by the Electric Cooperatives in the state, features The Produce Lady on the cover and includes an article inside.

OFFICE OF DIVERSITY

1. New Deans Graduate Research Assistantships Awarded: An examination of graduate enrollment trend data reveals that there are groups that have been historically underrepresented in CALS graduate degree programs and continue to remain the most underrepresented today. These groups include African-Americans, Hispanics/Latinos, and Native Americans. Thanks to the generosity of Dr. David Smith, Associate Dean for Research and Director of the NC Agricultural Research Service, the Dean’s Graduate Research Assistantship is a strategically focused, genuine first step to address this issue by providing assistantships to new, full-time graduate students from one of those aforementioned underrepresented groups. Doctoral students receive up to $25,000 per year for up to 3 years; while master’s level students receive up to $20,000 per year for up to 2 years. Through a competitive process, two students were selected to receive the assistantships for 2010.

Recipient #1: Ms. Johari Jordan
North Charleston, South Carolina,
Seeking a PhD in Food Science with a focus on Food Microbiology
Admitted Fall 2009 without any funding, readmitted Fall 2010
BS in Biology from Claflin University, Orangeburg, SC
MS in Agriculture with concentration in Food Science from Delaware State University

“I have always had the desire to be involved in the area of science. As with many young children, being a physician was my ultimate goal. It wasn’t until I had the opportunity to pursue an internship during my sophomore year at Claflin University that I had a desire to earn a PhD and work in a laboratory setting outside of the medical field.” Johari Jordan
Internships: South Carolina Alliance for Minority Participation (SC-AMP) participant
  • Ideal Network for Biomedical Research (INBRE)
  • Experimental Program to Stimulate Competitive Research (EPSCoR)
Research I: Conducted research in for two years as an undergraduate:
  • Research on alkyl hydroperoxidase and its role in Moraxella catarrhalis (characterizing genes for oxidative stress response in Moraxella catarrhalis)
  • Research on low-glycemic bars that included flax seed
Research II: During graduate studies:
  • Research on the thermal inactivation kinetics of Salmonella spp. in egg products and the selection and characterization of thirty strains of Salmonella for heat resistance at the United States Department of Agriculture, ARS Eastern Regional Research Center (ERRC)
  • Research involving pulsed electric field inactivation of E.coli O157:H7 at USDA-ARS-ERRC.

Recipient #2: Ms. Crystal Lee Pow
Livingston, New Jersey
Seeking a PhD in Toxicology with a focus on Environmental Toxicology
Admitted Fall 2010
BS in Biology from Carnegie Mellon University (CMU), Pittsburg, PA

“During my undergraduate training I have had several enriching research experiences that have allowed me to build an invaluable skill set, a strong passion for the field of environmental science and I plan to pursue a research career.” Crystal Lee Pow

Research I: Participated in the Howard Hughes Medical Institutes Summer Research Institute at CMU
- First major project was the Affinity Maturation of single chain variable fragments (scFvs)
- Second project was screening a scFv library for clones that bind to and activate Dimethylindole Red (DIR), an unsymmetrical cyanine dye
- Final project of the summer was gene fusion of a scFv to a target organelle in yeast

Research II:
- Two year project characterizing the DIR activating scFv clones isolated the summer of SRI. The goal was to develop fluorescence activating proteins (FAPs) as a bio-imaging tool.

Research III: Smithsonian Environmental Research Center joint project with the Photobiology & Solar Radiation Lab and the Biogeochemistry Lab
- Research on the spatial significance of marsh-derived, dissolved, organic matter (DOM) on surrounding estuarine waters.

Publications and Presentations
Published research in the Journal of the American Chemical Society (2nd author)
Presented research at the 2009 Advancing Science of Limnology and Oceanography (ASLO) Conference in Nice, France.

For more information on the Dean’s Graduate Research Assistantship program visit http://harvest.cals.ncsu.edu/diversity/index.cfm?pageID=2277

2. Successful CAALS 3-D Summer Research Experience Targeted High School Males- The Summer Research Experience, which is the first component of the CAALS 3-D Program, was held from July 19 through July 22, 2010 at NCSU. Nineteen African American, Latino, and Native American male students from the North Carolina School of Science and Mathematics, and one African-American student from Durham, participated in hands-on experiential research projects in CALS laboratories. Of those 20 students 85% were African American (17) and 15% were Hispanic (3). Of the 19 NCSSM students, 37% (7) were rising seniors who participated in CAALS 3D last year and wanted to return. This program is targeting these young men because they are from groups that are underrepresented in CALS. African Americans continue to be the most underrepresented when compared to their representation in the state, with 9% of CALS undergraduate students being African American whereas this group constitutes 22% of the state population. Also, Hispanic/Latino students make up 2% of CALS undergraduate student population and 7% in the state. When comparing student demographic data by gender, minority male students are more underrepresented in CALS than their female counterparts, in some cases by ratios of 2.63 to 1.

CAALS 3D Opening Session- Dean Johnny Wynne provided opening remarks to welcome the young men to the College and the CAALS 3D Program 2010. Dr. Jose Picart, Vice Provost for Diversity, welcomed the young men to NC State University and provided uplifting and motivating remarks. Dr. Ken Esbenshade, Associate Dean for Academic Programs, and Dr. David Smith, Associate Dean for Research, made informative presentations on CALS academic programs and research programs respectively. Dr. Bill Grant, Professor of Biology, was the keynote presenter. Dr. Grant provided insight on the importance of academicians/teaching professors in STEM. Mr. Scott Mabry and Mr. Mahdi Fahim, Environmental Health and Safety, provided lab safety training. Mr. Derick Jones,
sophomore majoring in biological sciences, served as Master of Ceremony. The Opening Session was also attended by some CALS Diversity Council members and other CALS faculty.

CAALS 3D Research Experiments: All of the students participated in a two hour forensic anthropology (Dr. Ann Ross, Mr. Scott Kirkland & Ms. Sarah Cunningham) – Students learned how to analyze human and non-human specimens to determine distinguishing characteristics such as hallmarks of disease of the bone.

Twelve students chose to participate in Track 1 of the summer research experience. In Track 1, students were paired with a leading CALS scientist and worked in that lab for the rest of the week. There were 8 CALS faculty who provide research experiences for Track 1, of which 3 participated last year as indicated by an asterisk (5 new). Track 1 included the following research experiences and corresponding learning objectives:

Organic Agriculture (Dr. Julie Grossman* and Ms. Sarah Seehaver)- Students learned how to isolate beneficial microorganisms called rhizobia bacteria that are growing symbiotically within the roots of plants.

Soil Science (Dr. Alex Graves*)– Students learned how to analyze water from two local streams and used varied biochemical tests to observe and identify different bacteria in the water.

Plant Biology (Dr. Marcela Rojas Pierce* and Ms. Eva Johannes) – Students learned the basis of drug discovery, concepts of cell biology and learned about live cell imaging and its usefulness via the confocal microscope.

Crop Science (Dr. Andrea Cardinal)- Students will learn about DNA sequencing and how to analyze sequence data, develop primers, PCR techniques and run SNP assays and analyze the data.

Molecular & Structural Biochemistry (Dr. Cindy Hemenway)- Students learn the relationship between genotype and phenotype, the concept of homozygous vs. heterozygous, and the techniques of PCR and DNA gel electrophoresis.

Crop Science (Dr. Susana Milla-Lewis)- Students will learn to use AFLPs, a type of molecular marker, to generate DNA fingerprints of a collection of accessions from different Turfgrass species in order to evaluate levels of diversity and genetic relationships between the different samples.

Animal Science (Dr. Sunny Liu)- Students will learn how to perform cell cultures, DNA purification, PCR methods and Gel electrophoresis.

Biostatistics (Dr. Consuello Arellano)- Using data from a coronary artery disease study on morbidity and mortality, students learn how to run a logistic regression in SAS, conduct residual checking and interpret statistical results.

The four students choosing Track 2 worked in different labs to gain a variety of research experiences over the course of the week. Three faculty provided research experiences for Track 2, of which 2 participated last year as indicated by an asterisk (1 new). Track 2 included the following research experiences and corresponding learning objectives:

Biotechnology (Dr. Sue Carson*)- Students learned the relationship between genotype and phenotype, the concept of homozygous vs. heterozygous, and the techniques of PCR and DNA gel electrophoresis.

Fundamental Microbiology (Dr. Jose Bruno-Barcena*)- Students learned to use plating techniques to differentiate cells and explained the environmental impact of microorganisms.

Entomology: (Dr. Mike Roe and Mr. Nicholas Kimps)- Through hands-on experiments, students will learn about the role of insects in our daily lives as well as insect physiology research.

CAALS 3-D Closing Session and Student Presentations: During the closing session, it was amazing for CALS faculty and graduate students to see these groups of high school students use
research posters and PowerPoint to give an articulate, detailed presentation on the research they experienced during the week. Each group presented for 10 minutes. Also, the keynote speaker was Mr. Ed Brown, Director of Diversity for the College of Textiles. Mr. Brown gave an outstanding presentation on the importance of STEM discoveries and innovations to society, and the need for more males of color to pursue STEM disciplines. Full evaluation results will be provided in the diversity report for the College.

3. Successful PALS Residential Program for Limited Resource, First Generation Youth - The Preparing for the Agricultural and Life Sciences (PALS) program, offered from July 25-30, 2010, was a one-week residential summer science enrichment program for middle school youth from eastern North Carolina who are limited resource and would be the first in their family to attend college. The purpose of PALS was twofold. First, through interactive workshops youth learned about: 1) what they need to do NOW and on into high school in order to be competitive for admission to NCSU presented by Mr. Myron Burney, Assistant Director for Admissions; as well as 2) financial aid and scholarship availability and requirements presented by Dr. Gerri Williams, Associate Director of the Offices of Scholarship and Financial Aid and Director of Pack Promise. Second, the program increased youth’s knowledge of, and interest in, agricultural and life sciences. This was be achieved through: 1) an interactive session on careers in CALS presented by Ms. Melissa Kahn, Assistant Director of CALS Career Services and 2) experiential, inquiry based learning in which youth will conduct age-appropriate, hands-on laboratory and field experiments under the guidance of CALS faculty and students. Exposure to tours of exciting state-of-the art research facilities, lab demonstrations, and other activities was also important in sparking their interest in science. Students will also participate in team-building and recreational activities, as well as educational field trips. Mr. Thomas Easley, Director of Community Diversity for the College of Natural Resources presented a stirring and motivational speech to let youth know that college is within their reach. Formal opening and closing programs were held with the youth participants and their families.

Through sponsorship by the NC Agricultural Foundation and support from NCSU DELTA’s Office of the Associate Director for Distance Education Assessment and Diversity, the total cost of PALS was $30.00 per student for the entire week. This included housing on the campus of NC State, all meals and snacks, field trips, recreational activities, tours, and all educational materials. Through the efforts of Dr. Jose Bruno-Barcena, Fisher Scientific donated lab coats for each of the youth.

PALS Youth: There were 20 youth in the 2010 PALS program, of which 12 were female and 8 were male. The youth were referred by their school teachers, principals, and community leaders. Fourteen are rising 8th graders and six are rising 7th graders. They self identified as: 50% African-American/Black (10), 35% White/Caucasian (7), 10% Hispanic (2), and 5% Mixed/biracial (1). The students reside in 9 counties in the eastern part of NC including: Carteret, Duplin, Edgecombe, Jones, New Hanover, Pender, Tyrrell, Wayne, and Washington. Sixty-seven percent of the counties are in the Southeast Extension District and thirty-three percent are in the Northeast Extension District. The youth were provided information and a session on the NC 4-H Program, and county agents will be provided with the youth contact information to follow up.

PALS Science Experiences:
Agronomy and Horticulture (Dr. Liz Driscoll) - Grafting heirloom tomatoes, discovering sweet potato secrets and building a better flower are just a few things students will explore in a session investigating the world of plants. They will find out the mischief plant scientists create and the possibilities that await in agronomy and horticulture. They will then visit a teaching garden to learn first-hand how vegetables they eat are grown on the land, and later visit Phytotron to learn how those are grown in a controlled research facility.

Animal Science (Dr. Brent Jennings) - Youth will travel to the NC State Beef Educational Unit and Dairy Education Unit to learn about livestock and the important role they play in our daily lives. Careers in animal science will be shared.

Entomology (Ms. Stephanie Gorski) - Students will encounter some of our six-legged friends face-to-face while learning just what it takes to be an Entomologist. Through hands on experiments and discussions about what it is we do in the wide world of bugs, students will leave with a greater appreciation of the Class Insecta.

Microbiology (Mr. Clayton Morrison) – Adorned in their lab coats for the Microscopy/Cell Count activity, students will visualize via microscopic examination different cell morphologies and shapes. They will use a microscope to evaluate cell number and viability. Students will learn about the field of microbiology.

Poultry Science (Dr. Melissa Scherpereel) – Students will first take a computer animated look at “the virtual chicken.” They will move from the virtual world to reality by first opening the fertile chicken eggs to see the heart beating after only 4 days of incubation and at various other stages in the incubation cycle. They will also candle eggs to see the chicks beak as it begins to pip just prior to hatching, record the chicks heartbeats while still in the egg and observe chicks hatching right before their eyes! They will leave with a solid understanding of the reproductive process of chickens. Students will learn about poultry science as a field of study.

PALS Field Trips:
NC Museum of Life Sciences- Scientific Inquiry (Durham)
NC Museum of Natural Sciences (Raleigh)
NCSU Beef Educational Unit
NCSU Dairy Education Unit
NCSU Bill Fike Teaching Garden
NCSU Phytotron

Full evaluation results will be provided in the diversity report for the College.

4. Labs for Learning Youth Spend a Day at CALS- On July 15, 2010, 24 rising 8th graders participating in the NCSSM’s Labs for Learning program visited CALS. Of the 24 students, 88% self-identified as African-American, 8% White/Caucasian and 4% Hispanic/Latino. Through interactive workshops youth learned about: 1) what they need to do NOW and on into high school in order to be competitive for admission to NCSU presented by Mr. Myron Burney, Assistant Director for Admissions; as well as 2) financial aid and scholarship availability and requirements presented by Dr. Gerri Williams, Associate Director of the Offices of Scholarship and Financial Aid and Director of Pack Promise. Ms. Marcy Bullock, Director of Career Services, provided information on CALS degree programs and potential careers. The subject matter focus of Labs for Learning is on global warming. Dr. Gerry Luginbuhl, Assistant Director of Academic Programs provided information on four exciting areas in which CALS faculty are conducting research related to global warming issues. This was followed by a hands-on scientific experience by Dr. Rob Dunn, Assistant Professor of Biology. Students were taken outside and taught how to collect samples of ants from both shaded and dry areas exposed to a lot of sunlight. Students were then taken to Dr. Dunn’s laboratory to examine
the types of ants found in both areas. Also, the students conducted an experiment on global warming in which each student made observations on societies (ant societies that is) treated with experimental conditions simulating the present, the past, or the future with increased global warming. The students made observations on how the colonies do or do not differ as a function of those treatments. The student learned what happens when an empire warms. Finally, the students were treated to Howling Cow ice cream and provided a campus tour by Mr. Geoffrey Hunter, Middle School Coordinator with the Office of Diversity and Inclusion.

5. **Attend Opening Doors** - Opening Doors is a three-day retreat that provides a framework for increasing diversity awareness and enhances a person’s ability to create an inclusive organization. Opening Doors is open and free to all faculty and staff within the College. The format of Opening Doors provides for open discussion, self-examination and an objective analysis of our social system as well as a constructive means to bridging differences through understanding personal responsibility. As a result, constructive methods of creating a welcoming and inclusive environment are developed. The overall goal of Opening Doors is to facilitate both personal growth and systemic organizational change. Over the past four years, the College has implemented it as a foundation component of our work to foster system change around pluralism and inclusion. You can register today for the next Opening Doors workshop which will be held on September 14-16, 2010 at the Eastern 4-H Center. The workshop is absolutely free to all CALS personnel and includes meals and lodging.

**National Observances**
- Women’s Equality Day (August 26th)
- National Minority Donor Awareness Day (August 1st)
- Water Quality Month

**COLLEGE ADVANCEMENT**

**Save the Dates:**
CALS Tailgate 2010 will be held on Saturday, September 4, from 1:00 – 5:00 pm at Dorton Arena before the NC State vs Western Carolina football game. For registration information please go to [http://harvest.cals.ncsu.edu/alumni_friends/index.cfm?pageID=2038](http://harvest.cals.ncsu.edu/alumni_friends/index.cfm?pageID=2038).

The 2010 CALS Donor Recognition Event will be held October 31 - more info to follow.

**CALS Advancement News Items:**
Now Showing: Advancement workshops, featuring CALS development and alumni relations professionals and tailored to your department's needs. These workshops will begin with a 30-45 minute overview of Advancement, especially basic steps in relationship-building and fundraising, and can be followed up with more in-depth small-group sessions (either directly after the overview or on separately-scheduled dates).

Please email the date/time you would like us to visit and begin our workshops with your department. If you'd like us to come to a scheduled faculty meeting, it might be helpful if we are added to the end of your agenda, so that those faculty interested in Advancement (fundraising and alumni/donor relations) may remain for our workshop.

Thank you for involving us! Questions? Just call Chris Wessel at 5-7678 or email [chris.wessel@ncsu.edu](mailto:chris.wessel@ncsu.edu).

**CALS Chronicle Enewsletter:** The official enewsletter of CALS Alumni and Friends Society is sent
quartely. Please send your announcements, departmental events, and updates for the next issue to calsalum@ncsu.edu. If you wish to subscribe to the enewsletter, email calsalum@ncsu.edu.

Employee Retiree List: We need your help! We request that all departments and county offices please continue to send us your updated retiree lists with all contact information available. When employees – faculty and staff – retire, just send Scott Troutman (scott_troutman@ncsu.edu) a quick email letting him know so that he can add them to our list.

Secrets of Success: North Carolina Values-Based Leadership makes a perfect motivational gift! General H. Hugh Shelton’s coffee table-book takes a very special look into leadership and values. Through the beautiful black-and-white portrait photography and the book’s voices you’ll experience leadership first-hand from some 35 men and women with a unique and special North Carolina connection. Readers will learn how leadership impacted pivotal moments in world politics, business, the military, athletics, religion, and the arts. Proceeds from the sale of this book will support programs for the General H. Hugh Shelton Leadership Center, including 4-H Shelton scholarships, and enhanced initiatives for young people statewide. Available through your local bookstores and Amazon.com. Visit http://cals.ncsu.edu/agcomm/secrets-of-success/

Dr. George T. Barthalmus’ original murder mystery, Revenge Through Me – now in its second print run! Dr. Barthalmus has asked that all profits from the sale of the book continue to support the George and Marina Barthalmus Life Sciences Scholarship Endowment. Book sales have been strong enough to help us provide our second Barthalmus Scholarship this coming academic year. To order, go to http://www.alumni.ncsu.edu/BarthalmusBooks.

Got Gifts-In-Kind? If not, think about this: In tough economic times, we have to adapt and become more entrepreneurial as we try to find support for our programs. Often, companies and individuals are able to continue donating equipment, materials and supplies, even if they must cut their cash contributions. If you receive any non-cash gifts, please complete the form BA-151 (http://www.cals.ncsu.edu/advancement/ba151.doc) and forward to chris_wessel@ncsu.edu. We will make sure your donors are sent University receipts and acknowledgment letters showing how important their support is to CALS. If you have any questions about non-cash gifts, please call Chris at 919.515.7678.

CALS Gift Legacy Web Site
In an effort to better serve faculty and staff with helpful information, we have created a comprehensive gift planning Web site. We have an increasing number of friends of the College who now are benefiting from life income gifts, gift annuities and other charitable vehicles. Thank you for taking the time to explore the benefits of gift planning at http://www.legacy.vg/ncsucals.

CALS Secure Online Giving
You may support any area of the College and join or renew your Arboretum membership online using our secure website. Visit http://www.cals.ncsu.edu/givenow for safe, convenient online giving! Contact chris_wessel@ncsu.edu for information on linking to online giving for your programs.

Advancement Advantage Guide to Services
College Advancement continues to update our Advancement Advantage Guide to Services online. This information is designed to educate CALS faculty, staff and administrators about the resources available through these divisions. By doing so, we hope to expand access to our services, and increase support of and service to departments and college-wide initiatives. To access this information, just click on: http://www.cals.ncsu.edu/advancement/resource_guide.htm
Nominations now being accepted for Pride of the Wolfpack Award (POTW)
We are pleased to announce that a new year has started for the Pride of the Wolfpack nominations!

The Pride of the Wolfpack Award is an "on the spot" award, designed to recognize NC State employees for a special or unique contribution to their college, department, or the University. Winners are selected on a quarterly basis, and receive a signed certificate in a beautiful cherry frame provided by University Bookstores. This is a wonderful way to give someone that “pat on the back” they deserve!

Award Criteria:
~Leadership on the job
~Excellent results
~Cost effectiveness/improvement
~Delivery of service to students, staff and/or alumni
~Customer focus
~Quality of service
~Quantity/Quality of work
~Relationships fostered at work

Please take the time to recognize colleagues that you see making a difference to your unit/department or the College by completing the form on the following website: http://harvest.cals.ncsu.edu/facstaff/index.cfm?pageID=1012
(Links to this page is also found on the College’s main webpage under “Faculty Recognition” and “Staff Recognition.”)

If you have questions about this program, you may contact the CALS Personnel Office at (919) 515-2708.

Welcome New Employees
New Campus Employees - Staff
Nicolle Miller, Extension Associate, 4H Youth Development & Family and Consumer Sciences
Michael Roberts, Extension Associate, Agricultural and Resource Economics
Andrew Wilson, Research Associate, Biology
Blake Bowen, Research Specialist, Crop Science
Matthew Taggert, Research Assistant, Crop Science
Heather Maylor-Hagen, Research Assistant, Microbiology

New County Employees and Promotions
New Hires
Jennifer King, Assistant Area Agricultural Agent, Alamance/Orange Counties
Micah Orfield, Assistant Agricultural Agent, Ashe County
Holly Jordan, Assistant 4-H Agent, Buncombe County
Margaret Bell, Assistant Area Agricultural Agent, Craven/Jones Counties
John McIntyre, Assistant Agricultural Agent, Duplin County
Stacey Midgett, Assistant Family and Consumer Sciences Agent, Hyde County
Amanda Taylor, Assistant Agricultural Agent, Iredell County
Kristin Davis, Assistant Family and Consumer Sciences Agent, Mecklenburg County
Danelle McKnight, Assistant Agricultural Agent, Montgomery County
Jennifer Ferrell, Assistant 4-H Agent, Perquimans County
Laura Martin, Assistant Agricultural Agent, Wake County

Promotions
Darrell Blackwelder, County Extension Director, Rowan County
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Daterange</th>
<th>Location</th>
<th>Organizer</th>
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</thead>
<tbody>
<tr>
<td>Summer Meeting of Plant Food Assoc.</td>
<td>August 8-10, 2010</td>
<td>Grove Park Inn, Asheville, NC</td>
<td>Winston Hagler</td>
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<tr>
<td>NC Muscadine Grape Assoc Summer Meeting</td>
<td>August 6, 2010</td>
<td>Alamance, Person Counties</td>
<td>David Monks</td>
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<tr>
<td>National Christmas Tree Assoc Meeting sponsored by NC Christmas Tree Assoc</td>
<td>August 11-14, 2010</td>
<td>Benton Convention Center, Winston-Salem, NC</td>
<td>Ed Jones</td>
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<tr>
<td>Summer Green Show</td>
<td>August 11-13, 2010</td>
<td>Greensboro Coliseum, Greensboro, NC</td>
<td>David Monks</td>
</tr>
<tr>
<td>NC Poultry Federation Annual Conference</td>
<td>August 12-13, 2010</td>
<td>Grandover Resort and Spa, Greensboro, NC</td>
<td>Roger Crickenberger</td>
</tr>
<tr>
<td>NC Peanut Growers Assoc. Annual Meeting and Field Day</td>
<td>September 9, 2010</td>
<td>Peanut Belt Research Station, Lewiston-Woodville, NC</td>
<td>David Monks</td>
</tr>
<tr>
<td>NC State Grange Convention</td>
<td>September 16-19, 2010</td>
<td>University Hilton, Charlotte, NC</td>
<td>Johnny Wynne</td>
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<tr>
<td>Eastern NC Christmas Tree Growers Assoc-Fall Meeting</td>
<td>September 18, 2010</td>
<td>Stowe Dairy Farm, Gastonia, NC</td>
<td>Ed Jones</td>
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<tr>
<td>NC Greenhouse Vegetable Growers Assoc Annual Conference</td>
<td>October 26-27, 2010</td>
<td>Wake County Ext Center, Raleigh, NC</td>
<td>Sylvia Blankenship</td>
</tr>
<tr>
<td>NC Wine and Grape Council Meeting</td>
<td>October 29, 2010</td>
<td>BB&amp;T Headquarters, Winston Salem, NC</td>
<td>David Monks</td>
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<tr>
<td>NC Irrigation Society</td>
<td>November</td>
<td>McKimmon Center, Raleigh, NC</td>
<td>Winston Hagler</td>
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<tr>
<td>Southeast Strawberry Expo</td>
<td>November 8-10, 2010</td>
<td>Wyndam Hotel, Virginia Beach, Virginia</td>
<td>David Monks</td>
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<tr>
<td>73rd Annual Convention of the Carolina Feed Industry</td>
<td>November</td>
<td>TBA</td>
<td>Winston Hagler</td>
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<tr>
<td>Carolinas Golf Course Superintendents Annual Meeting</td>
<td>November 15-17, 2010</td>
<td>Myrtle Beach Convention Center, Myrtle Beach, SC</td>
<td>David Monks</td>
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<tr>
<td>NC Agricultural Consultants Assoc. 2010 Fall Meeting</td>
<td>December 2-3, 2010</td>
<td>Ramada Inn Blue Ridge, Raleigh, NC</td>
<td>Tom Monaco</td>
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<tr>
<td>NC Sheep Producers Annual Meeting</td>
<td>December</td>
<td>TBA</td>
<td>Ed Jones</td>
</tr>
<tr>
<td>Southeast Vegetable Expo</td>
<td>November 30-December 2, 2010</td>
<td>Embassy Suites Hotel, Kingston</td>
<td>Ed Jones</td>
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<tr>
<td>Event</td>
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<tr>
<td>25th Annual Sustainable Agriculture Conference</td>
<td>December 3-5, 2010</td>
<td>Benton Convention Center, Winston Salem, NC</td>
<td>David Monks</td>
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<tr>
<td>NC Farm Bureau Annual Convention</td>
<td>December 5-7, 2010</td>
<td>Sheraton Four Seasons, Greensboro, NC</td>
<td>Johnny Wynne</td>
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<tr>
<td>Crop Protection Association of NC Fall Meeting</td>
<td>December 7, 2010</td>
<td>McKimmon Center, Raleigh, NC</td>
<td>Tom Monaco</td>
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