ACADEMIC PROGRAMS OFFICE

The College Wolfpack Welcome Week events for our new freshmen will be on Tuesday, August 16 from 1:00-3:00 p.m. We are having a Patterson Porch Party and various Brickyard Activities for the class of 2015. If you are an adviser of a club and would like to have a club display, please let me know. Agri-Life President Jonathan Smith is handling club registration this year.

Spend a Day at State for the Fall will begin shortly after classes begin. We will resume the Fall SADAS schedule, which includes a 2:30 p.m. faculty meeting. Thank you in advance to all who help make each visit a success. We appreciate your support.

If you have questions, please contact Tricia Buddin.

Save the Date:  NC State Open House – Saturday, October 15, 2011

Fall 2011 Seminar Course led by Agriculture Commissioner Steve Troxler: Agriculture Perspectives and Opportunities
ALS 495 – 005 (15331) and AGI 195 – 001 (29396)
2 semester credit hour course
Wednesday, 3:35 - 5:25 p.m.
Seats are limited to 25 ALS and 15 AGI students

Academic Programs Fall Faculty Meeting Tuesday, August 16 - Hold the date
The Fall AP Faculty meeting will be held Tuesday, August 16 from 9:00 a.m. to 12:00 noon in 2215 Williams Hall. All faculty and staff with academic program responsibilities are encouraged to attend. A presentation by Associate Dean Esbenshade on the current status of Academic Programs, as well as, important updates for the coming academic year will be shared. A refreshment break is included after recognition of 2010 - 2011 outstanding faculty achievements!!

CAREER SERVICES OFFICE

This is the 25 Year Anniversary of our Graduate Student Professional Development Workshop in CALS. Each year 35 PhDs are identified by department heads as having outstanding leadership potential. This year's class has been identified and they have attended their first orientation to prepare for the journey they will encounter in October. For three days they will be immersed in information to ensure their success upon graduation. Over 600 alumni will be invited to the Silver Anniversary Reunion on Oct. 7th. If you would like to learn more about this program, visit- www.cals.ncsu.edu/gspdw.

On July 14th, the CALS Career Services staff visited PRA International's corporate headquarters in Raleigh. During the visit, they received a site tour, got updates on what hiring managers are looking
for in candidates, and learned the thrilling news that PRA has recently offered positions to several NCSU graduates! In addition, the company has generously offered to sponsor career services programming in the coming academic year. This successful visit is the beginning of an exciting partnership between CALS and PRA!

This year is the 20 Year Anniversary of the CALS Career Expo on Oct. 27th, 2011 in the Talley Student Center. Our theme is "Bright Futures, Big Opportunities". We will have a special anniversary celebration the evening of Oct. 26th with invitations to our corporate partners. If you know a company interested in hiring a CALS grad or an intern from our college, please contact Marcy Bullock so we can ensure they are included.

New Chocolate! Each year we receive a generous sponsorship (shipments each month) from Hershey's to promote our programs to hungry college students. The new slogan and candy have been chosen. Drum roll please........ 'Piece Together Your Career" is the 2011 catch phrase and the candy is, yes, you guessed it, Reese's Pieces. Send your students over to 107 Patterson to get their sweet tooth satisfied while they pick up some tips to help them reach their future goals.

NORTH CAROLINA COOPERATIVE EXTENSION SERVICE

Cooperative Extension, University Dining to offer ‘Cook Smart’
University Dining and North Carolina Cooperative Extension will partner to offer Cook Smart, Eat Smart to N.C. State students this fall. The partnership will provide students with an opportunity to learn healthy cooking techniques.

10% Campaign tracks $5.7 million in sales
The Center for Environmental Farming Systems’ statewide initiative to stimulate economic development, create jobs and promote North Carolina’s farms and fisheries announced that more than $5.7 million in local foods expenditures have been reported by local individuals, organizations and institutions participating in the campaign.

In Lee County, Extension supports tornado recovery
On April 16, Seth Holt was working on his farm in Lee County, when he saw a dark cloud headed his way. Holt, a Lee County agricultural Extension agent, took shelter from what turned out to be a major thunderstorm on his farm. But later he realized how lucky he had been when he saw the devastation that tornadoes had done to his county.

Behnke wins national eXtension award
Dr. Andrew Behnke recently won the national 2011 eXtension Community of Practice Achievement Award. He was cited for his “technological innovation and extraordinary inclusiveness and generosity in sharing his skills and resources at the local, state and national levels.”

4-H Congress and Electric Congress held in July
4-H’ers enjoyed two favorite annual events in July, 4-H Electric Congress and 4-H Congress. This year 200 4-H’ers attended the 64th Electric Congress, held at Western Carolina University in Cullowhee. The event, which emphasizes energy conservation and safe electricity use, is sponsored by the state’s electric power companies. 4-H Congress, held in Raleigh and at N.C. State University, drew more than 500 youth, adult leaders and 4-H agents for four days of activity. The 4-H’ers participated in a food-packaging project for Food Banks of North Carolina as part of the 4-H Hungry to Help project.
The 4-H Cookery: Divine Swine
The smells wafting through the air at the North Carolina 4-H Cookery competition were nearly enough to break down a vegetarian. The parents and friends wading through the aromas were struck by the intensity of each scent as they wandered towards one booth for a sample… and then on to the next. Those smells were of pork, turkey, chicken and beef – all prepared in different and exciting ways by kids and young adults, ranging in age from 9 to 18, for a panel of judges.

Two weed management field days scheduled for August
Aug. 5, in Moore County near Carthage, 9 a.m. until approximately noon. Please contact Seth Holt, Lee County agriculture agent, for directions.
Aug. 15, Upper Coastal Plain Research Station, 8 a.m. until noon. Take the Kingsboro Road exit (between Rocky Mount and Tarboro on US 64) and follow signs to the station.

Field day topics include herbicide symptomology, weed management programs for various agronomic crops and resistance management. The public is invited, although this will serve as in-service training. If agents want to have additional discussions about weed management, most of the instructors will be available after the session to entertain questions. Pesticide and CCA credits will be provided.

Tomato Field Day is Aug. 4
The 2011 Fresh Market Tomato and Vegetable Field Day will be held Aug. 4 at the Mountain Horticultural Crops Research Station in Mills River. Registration begins at 12:30 p.m., and the field day runs from 1-5:30 p.m., with dinner at 6 p.m. For information contact Jim Walgenbach, 828.684.3562.

Turfgrass Field Day is Aug. 11
The Turfgrass Field Day will be held Aug. 11 at the Turfgrass Field Laboratory, 3920 Dr. Bill Gilbert Way, off Lake Wheeler Road in Raleigh. The field day begins at 8:30 a.m. and continues until lunch at 11:45 a.m. For information, contact Dr. Rick Brandenburg, 919.515.8876 or rick_brandenburg@ncsu.edu.

NORTH CAROLINA AGRICULTURAL RESEARCH SERVICE

Grant Income Record for the College of Agriculture and Life Sciences
The College of Agriculture and Life Sciences has reached an income record for grant income totaling $67,437,287, breaking last year’s record.

NCARS would like to thank and acknowledge the faculty for their work on these grants and the office of CALS Contracts and Grants for processing these grant applications.

Eddie Pitzer Retirement
After 34 years of service to the State of North Carolina, Eddie Pitzer, Director of the Research Stations Division, has announced his retirement on September 1st.
After graduation from the Agricultural Institute at NCSU Eddie began his career as the Assistant Superintendent at the Cherry Research Farm in Goldsboro, NC in 1977. He helped guide the facility through its transition as a working farm supporting Cherry Hospital to one of the largest research stations and key component of the Center for Environmental Farming System. In 1999, he was promoted into the role of Superintendent of the Cherry Research Farm with the retirement of Rex Sasser. He moved to the position of Director of Research Stations in 2007.
Although retiring from State Government, Eddie will remain involved in agriculture. He has supported local agriculture through involvement in the Wayne County Livestock Development
Association, the Wayne County Cattlemen’s Association, the Wayne County Extension Advisory Council and the Wayne Regional Agricultural Fair. Retirement will provide additional time to devote to these activities with specific focus on promoting agriculture and working with youth. Additionally and possibly more importantly he will have more time to spend with his grandsons, Eli and Zane and focus attention on his farm in Fremont, NC.

INTERNATIONAL PROGRAMS

Visitors
University of Zagreb
A new relationship between N.C. State’s College of Agriculture and Life Sciences and a Croatian university offers opportunities for CALS students. N.C. State recently signed a memorandum of understanding with University of Zagreb in the Croatian capital. Early in July Ivana Prosinecki of Zagreb’s International Relations Office visited N.C. State to share information about what the university could offer for students and faculty here. We are working on an initial agreement for 2012 that would begin with an exchange of two graduate students from each institution for a 2-4 week educational experience.

IAC Hosts African Delegation
The International Affairs Council of Raleigh, NC contacted the IPO regarding a delegation of 14 visitors representing 12 African nations. The delegation was interested in meeting with local experts to discuss issues of food security and sustainability as it relates to the effects of climate change and other environmental factors. Researchers from NCSU, UNC and Duke met at the UNC Gillings School of Global Public Health on July 18 for a collaborative session to discuss current issues. The meeting was a success and the delegation was pleased with the outcome. Officials from all three schools agree this is a topic of growing global interest. An idea of developing a future symposium on similar topics was discussed among several researchers amidst planning.

University of Costa Rica
Dr. Jean Ristaino is currently hosting 13 undergraduate Agronomy students from the University of Costa Rica (UCR). The busy week includes visiting the Castle Hayne, Sandhills and Mountain Hort Crops Research Stations to name just a few stops. Several students have already indicated interests in working with NCSU’s agroecology and other horticulture faculty. The strong relationship with UCR continues to be positive for our faculty and UCR students. We hope to see this relationship expand in many ways.

Save the date
Borlaug Lecture Series Announcement
Our next Nobel Laureate Dr. Norman E. Borlaug Distinguished Lecture Series is scheduled for October 31, 2011. We hope you will mark your calendars to attend this event. Lecture details will be forthcoming in future Admin Briefs. Check your emails soon for an announcement on the 2011 CALS-CNR Joint Award for Service to Environment and Society. The award is eligible to any tenure-track faculty member and presented at the afternoon lecture. Details on nominations and deadlines will be listed in this upcoming email. Please contact Patricia Holoman at patricia_holoman@ncsu.edu or Dan Robison, Associate Dean for Reasearch, CNR at dan_robison@ncsu.edu with questions.
Successful Third Annual CAALS 3-D Summer Research Experience

The Third Annual Summer Research Experience, which is the first component of the CAALS 3-D Program, was held from July 18 through July 21, 2011 at NCSU. Twenty-four African American, Hispanic/Latino American, and Native American male students from the North Carolina School of Science and Mathematics (NCSSM), and two academically gifted Latino male students referred by the NC Society of Hispanic Professionals participated in hands-on experiential research projects in CALS laboratories. Of those 26 students 73% were African American (19) and 19% were Hispanic (5) and 8% were Native American (2). Of the 24 NCSSM students, 29% (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 8% of CALS undergraduate students being African American whereas this group constitutes 22% of the state population. Also, Hispanic/Latino students make up 3% of CALS undergraduate student population and 8% 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 3 to 1.

CAALS 3D Opening Session

Dean Johnny Wynne provided opening remarks to welcome the young men to the College and the 2011 CAALS 3D Program. Dr. Joanne Woodard, Vice Provost for the Office of Institutional Equity and Diversity welcomed the young men to NC State University and provided uplifting and motivating remarks. Dr. Joan Barber, Vice Chancellor for Student Affairs for NCSSM, thanked CALS and NC State for providing the opportunity to the students. Drs. Gerry Luginbuhl, Assistant Director for Academic Programs, and 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 and scientists in STEM. Mr. Scott Mabry and Mr. Mahdi Fahim, from NCSU Environmental Health and Safety, provided lab safety training. Mr. Bola Oyegunwa, a doctoral Microbiology student, served as Master of Ceremony. Mr. Oyegunwa, Mr. Derek Jones, a junior majoring in biological sciences, and Mr. ChiChi Orji, NCSSM student who is interning in Dr. Clouse’s lab this summer as part of the mentor-guided research component of CAALS 3D, each provided motivational presentations to encourage the young men to continue to excel in STEM. The Opening Session was also attended by some CALS Diversity Council members and other CALS faculty.

CAALS 3D Research Experiences

All of the students participated in a forensic anthropology lab experience (Dr. Ann Ross, Ms. Amy Garett & Ms. Amanda Hale) in which students learned how to analyze human and non-human specimens to determine distinguishing characteristics such as hallmarks of disease of the bone.

Twenty 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 5 CALS faculty who provided research experiences for Track 1, of which all participated last year. Track 1 included the following research experiences and corresponding learning objectives:
Organic Agriculture (Dr. Julie Grossman) Students learned how to isolate beneficial microorganisms called rhizobia bacteria that are growing symbiotically within the roots of plants.

Plant Biology (Dr. Marcela Rojas Pierce) 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 learned 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 learned 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.

Six students participated in Track 2, in which they rotated to different labs during the week, spending one day in each lab on average. 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. Rob Dunn) Through hands-on experiments, students learned 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 PowerPoint to give an articulate, detailed presentation on the knowledge and lab techniques they learned during the week. Each group presented for 10 minutes. Also, the keynote speaker was Mr. William “Darnell” Graham, a doctoral student in microbiology and forest biomaterials. Mr. Graham 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. An overview of the evaluation results will be provided in the September Administrative Briefings. Full evaluation results will be provided in the annual diversity report for the College.

Labs for Learning Youth Spend a Day at CALS
On July 14, 2011, 20 rising 8th graders participating in the NCSSM’s Labs for Learning program visited CALS. 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 Ms. Christina Moss and Mr. Ronnie Chalmers, Undergraduate Admissions Counselors from the Office of Undergraduate Admissions; as well as 2) financial aid and scholarship availability and requirements presented by Ms. Kevi Dixon, Assistant Director of the Offices of Scholarship and Financial Aid. The subject matter focus of Labs for Learning is on global warming. Thus, Dr. Ryan Boyles, Climatologist
with the State Climate Office of North Carolina provided a hands-on scientific experience. Students were taken to the climatology lab to visit the local weather sensor array. They also took a field trip to Lake Wheeler to the weather station. Students were able to learn about climatology and increase their overall knowledge of earth and atmospheric science.

**Attend September 2011 Opening Doors Session**
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 21-23, 2011 at the Eastern 4-H Center. The workshop is absolutely free to all CALS personnel and includes meals and lodging.

**Opening Door Biennial Reunion for Past Participants Only**
The Opening Doors Reunion is a time to come together with fellow cohorts to revisit and build upon concepts learned in the very edifying Opening Doors workshop. It is an opportunity to renew the commitment to securing and fortifying the diverse climate at North Carolina State University and throughout the NC Cooperative Extension system. This year’s Reunion will be held on November 2nd 2011 at the J.C. Raulston Arboretum at NC State University from 9: 30 a.m. until 3:00 p.m. To register early please visit: [http://harvest.cals.ncsu.edu/surveybuilder/form.cfm?testID=12820](http://harvest.cals.ncsu.edu/surveybuilder/form.cfm?testID=12820)

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

**COLLEGE ADVANCEMENT**

**Save the Dates:**
Mark your calendars for **tailgate**! The date has been set for **September 17, 2011** at Dorton Arena. For more information and to register please visit: [www.cals.ncsu.edu/tailgate](http://www.cals.ncsu.edu/tailgate)


The **CALS 2011 Donor Event** will be held at the McKimmon Center on **November 6, 2011**. More information to follow.

Plan now to attend **Stewards of the Future**: research for human health and global sustainability on **April 17, 2012** at the McKimmon Center. For details, visit the website at [http://cals.ncsu.edu/researchconference](http://cals.ncsu.edu/researchconference)

**Congratulations** to the faculty, staff, students, volunteers and corporate partners who were honored at the NC Agricultural, Dairy and Tobacco Foundation board meetings this past spring! Read the story
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.

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.

Gift Planning: If you would like to add a section in your print, electronic or any other written piece regarding gift planning, contact Sonia Murphy (513-0637 sonia_murphy@ncsu.edu). Sonia can draft a short piece making your alumni and friends aware of how they can support your programs through a bequest, gift of retirement plans, trusts, etc.

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 Chronicle Enewsletter: The official enewsletter of CALS Alumni and Friends Society is sent quarterly. 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.

CALS PERSONNEL

New Campus Employees- Faculty
  Mark Knauer, Assistant Professor, Animal Science
  Slavko Komarnytsky, Assistant Professor, Food, Bioprocessing, and Nutrition Sciences
  Xu Li, Assistant Professor, Plant Biology

New Campus Employees- Staff
  Dona Miller, Administrative Support Specialist, Kannapolis Research Station
  Charon Sparks, Research Technician, Dairy and Process Applications
  Anirudh Dhammi, Research Technician, Entomology
  Joanna Lelekacs, Extension Associate, Horticultural Science
Audrey Kreske, Extension Associate, 4-H Youth Development & Family & Consumer Sciences
Catherine LePrevost, Research Associate, Toxicology
Katherine Drake, Research Assistant, Crop Science
Bradley Breslow, Research Assistant, Plant Biology
Erica Lassiter, Research Assistant, Plant Pathology

New County Employees
Promotions
Lewis Ambrose, County Extension Director, Beaufort County
Mark Blevins, County Extension Director, Brunswick County

2011 COMMODITY MEETINGS

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<td>Summer Meeting of Plant Food Assoc.</td>
<td>August 7-9, 2011</td>
<td>Grove Park Inn, Asheville, NC</td>
<td>Winston Hagler</td>
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<td>NC Poultry Federation Annual Conference</td>
<td>August 11-12, 2011</td>
<td>Grandover Resort and Spa, Greensboro, NC</td>
<td>Roger Crickenberger</td>
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<td>Summer Green Show</td>
<td>August 17-19, 2011</td>
<td>Raleigh Convention Center, Raleigh, NC</td>
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