



News from the World of ESPS

(Entomology, Soils, and Plant Sciences)

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Summer/Fall 2005

From the Chair

Greetings from the Department of Entomology, Soils, and Plant Sciences (ESPS)!

For those of you who may not have heard, the three former departments of Crop and Soil Environmental Science (Agronomy and Soils before that), Plant Pathology and Physiology, and Entomology were combined in July 2003.

Our department currently has 7 post-doctoral associates and 34 graduate students. Our graduate students are enrolled in one of two programs, Entomology (ENT; thesis MS and PhD) or Plant and Environmental Sciences (PES; non-thesis MS, or thesis MS and PhD). The Plant and Environmental Sciences graduate program is an umbrella program and includes ESPS students working in plant pathology, plant physiology, agronomy, and soils, as well as students in botany (Biological Sciences Department) and horticulture (Horticulture Department). The graduate coordinators for these programs are Halina Knap (PES) and John Morse (ENT). Details of these programs can be found at <http://www.clemson.edu/esps>.

Another change that began in 1999, is that the three undergraduate degree programs offered by our former independent departments were terminated. With the exception of one remaining undergraduate in plant pathology, our last undergraduate students completed their degrees within the past 18 months. These are listed in the *New Alumni* section of this newsletter. Following the combination of the departments, our faculty has been working to develop a new undergraduate curriculum built around soils and sustainable agriculture. A first draft of this has received positive feedback from the Dean of the College and currently is being fully developed by a team of faculty representing our various disciplines.

We also have seen changes in our faculty. Since June 2003, 12 faculty members have retired or accepted positions away from Clemson University. These folks are listed later in this newsletter so you can see where they are now. We currently have 40 faculty members in ESPS, 24 on campus, 8 at the

Pee Dee Research & Education Center, 5 and the Edisto Research & Education Center, and 3 at the Coastal Research & Education Center. Our newest faculty member is Dr. Chris Main, who joined us in the spring of 2005 as a weed scientist at the Pee Dee REC. We are also finalizing an offer for a forage position, reviewing applications for a cotton entomology position, and preparing to advertise a position in soil fertility and another in agronomy.

Joe Culin
Department Chair

Notes from Alumni

Kellee (McCarley) Melton -- BS Agronomy (soils emphasis), 1997; MS Crop and Soil Environmental Science, 1999

Upon finishing my MS, I was hired by the United States Department of Agriculture, Natural Resources Conservation Service as a Soil Scientist to map soils for the Soil Survey update in Lee County. I later transferred to a Soil Conservationist position, which I have held now for over 5 years.

As a Soil Conservationist, I am responsible for administering all facets of USDA Farm Bill programs. This includes developing conservation plans for farmers and private landowners, assisting customers in applying for cost share funds to alleviate resource concerns on their farms, and developing waste management plans and comprehensive nutrient management plans for dairy, swine and poultry operations. I also conduct wetland and highly erodible land (HEL) determinations for producers to determine if they are following USDA wetland and HEL compliance regulations.

During the last 5 years as a Soil Conservationist, I have also assisted in a few special projects across the state. I worked on a 319 Grant with the Newberry Soil and Water Conservation District and SCDHEC to study the elevated phosphorus and pH levels in the Bush River/Beaverdam Creek Watershed. This was a GIS based study that consisted of soil sampling throughout the entire 110,000 acre watershed. I also worked on a second 319 Grant with NRCS and SCDHEC to inventory Best Management

Practices in the Bush River Watershed in Newberry County. This was also a GIS based grant using GPS to inventory the 30,000 acre watershed.

The 6 years of education that I received at Clemson greatly prepared me for my career. To become a Soil Conservationist with NRCS, one must have a minimum of 15 semester hours in soils and related courses. I find myself using information that I learned in my classes everyday at work, I even refer to old textbooks occasionally to refresh my memory on certain topics. Since I've been working with NRCS, I have realized how valuable my two years spent in graduate school as a teaching assistant are in my daily work. I am able to explain many questions that farmers have relating to soil and water issues on their farms because of my experience teaching Intro Soils laboratory. It's amazing how much information one can retain when having to teach it to someone else.

I also receive training every year working with NRCS, but without the background in soils that I received from Clemson, I would not have come this far in my career. I'd still be at square one trying to learn the difference between cations and anions.

Alison Robertson - PhD Plant Pathology, 2003

On May 1, 2004 I started working at Iowa State University as an Extension Field Crops Plant Pathologist (70% extension; 30% research). I have been on a very steep learning curve these past eight months becoming familiar with the particulars of corn, soybean, alfalfa and wheat production and pathology. Being a runner, I liken my experience thus far to being on a treadmill that just keeps rolling faster and faster. On November 10, 2004, when Asian soybean rust was identified for the first time in the US, that treadmill started turning so fast that my shoes started smoking. My poor little legs were turning over faster and faster and I kept waiting for the thud as I was thrown off the back of the treadmill. Lucky for me, the holidays brought a brief respite and I managed to catch my breath!

My extension program seems extraordinarily busy, which I guess should come as no surprise. I have played a major role educating ISU Extension personnel and private agricultural consultants about Asian soybean rust identification, epidemiology and management. I am also Editor-in-chief for the soybean rust web site (www.soybeanrust.info). My research program concentrates on applied research, the aim being to improve disease management options available to Iowa growers. Many of my projects revolve around soybean pathology (general pathology, *Phytophthora sojae* and ... soybean rust management), in addition, we are investigating aspects of the corn-*Fusarium* interaction and improving tall fescue pastures.

Malcolm, Kirsti and I have settled down in Iowa. We live in a great neighborhood and have made new friends. We still miss Clemson and often think of you all, especially when there was 16 inches of snow outside our front door and temperatures were in the single digits! I regularly have lunch with Joanne McCoy (PhD. Plant Physiology, 2004). We compare notes on the mid-West, relive memories of the South and usually have a good laugh.

Kristen van den Meiracker - PhD Entomology, 1998

After finishing my Ph.D., I spent two years working as an urban entomologist for Terminix Service in Columbia, SC. Although I loved working with the people at Terminix and the challenges of the job, my heart has always been in teaching. In 2000, I was offered an assistant professor position in biology at North Greenville College - a small private college with approximately 1700 students (and close to home!). I was able to work closely with other members of the department to establish a biology major in 2002. Over the last four years I have taught - and continue to teach - biology for majors, zoology, invertebrate zoology, cellular biology and junior seminar. I've served on many divisional and campus committees and am chair of the Interdisciplinary Studies (B.S.) department. I was promoted to associate professor last year and will serve as faculty president next year. I do manage to dabble a bit in research from time to time; however, most of my time is spent teaching. I manage to incorporate entomology into just about every lecture that I give and am doing my best to stimulate the interest of students in the field. I feel so lucky to have been a part of the entomology department at Clemson. I had a wonderful advisor - Dr. Pat Zungoli - who continues to be a mentor for me. My committee members are also individuals from whom I seek advice. My appreciation of the professors in the entomology department has only continued to grow upon my transition from graduate student to colleague. I am truly grateful for their contagious enthusiasm, passion for entomology and daily demonstration of excellent teaching. This past spring I was awarded "Teacher of the Year". It is an award that I proudly share with all the professors in the entomology department. Keep up the great work!

The Budget Situation

Although during the past four years both Clemson University and the SC Agricultural Experiment Station have experienced significant budget cuts. In the news, these two pieces of Clemson's budget are referred to as the "E&G" (teaching and research outside of agricultural and forestry) and "PSA" (agricultural and forestry research). Clemson, and our department, also have continued to increase our research funding from outside sources. The 2005 SC budget that took effect in July looks good. The turn around in the State's budget is allowing us to begin rebuilding our faculty ranks in ways that will allow us to address the changing needs of the citizens of South Carolina.

Opportunities to Assist

Our friends and alumni have always been strong supporters of our programs. Although everyone has been experiencing tough economic times, I hope you will continue to provide whatever support you can. Your contributions to our endowments (listed below by discipline) allow us to support student research activities, support professional development of our students by ensuring that they can attend professional meetings where they represent both our disciplines and Clemson University, and provide recognition for our outstanding students, graduates, faculty, and staff. In our new departmental configuration all contributions to discipline-related Clemson University Foundation accounts are awarded by discipline based subcommittees of our awards committee. Any support you can provide will be greatly appreciated.

Contributions to any of the funds listed below can be made through a secure link to the CU Foundation (<http://www.clemson.edu/isupportcu/>). You can also send a gift directly to the CU Foundation. Simply indicate the fund number (from the list below) you wish to make a contribution to on your check and return it along with the Clemson Fund Card in the envelope provided. For more information on how to give and ways your investment will benefit the department, please contact the CAFLS Office of Development, 110 Daniel Drive, Clemson, SC 29631 (864) 6562877 or kbarber@clemson.edu.

Agronomy & Soils Endowments

Agronomy and Soils Endowment (6690005)

Specific uses of these funds will be determined by a committee of agronomy and soils faculty, and may include, partial assistantships, support for travel to professional meetings, and support for publication charges. It also may be used to support professional development by bringing recognized faculty to Clemson's campus to present seminars and interact with students.

Dr. ('11) and Mrs. H. P. Cooper, Sr., Agronomy Scholarship (6690105)

Currently designated to support scholarships for freshman, sophomore, junior or senior agronomy majors. The Cooper family has agreed to convert this to graduate support for students in agronomy or soils. (Student selection and uses will be as in the Agronomy and Soils Endowment)

John Robert Wigington Scholarship Endowment (6690442)

Currently designated to support scholarships for upperclassmen majoring in agronomy or soils. The Wigington family has agreed to convert this to graduate support for students in agronomy or soils. (Student selection and uses will be as in the Agronomy and Soils Endowment)

Thomas Stephen Buie Memorial Scholarship (6690041)

Currently designated to support juniors or seniors in the College of Agriculture, Forestry & Life Sciences with preference given to those studying agronomy or soils.

The Arthur and Lillie Shands Memorial Scholarship Endowment (6690363)

Currently designated to support scholarships for juniors or seniors majoring in agronomy. Mrs. Shands has requested that this scholarship be converted for undergraduate support for students majoring in agriculture.

Entomology Endowments

W. Carl and Ruby S. Nettles Memorial Student Assistance Endowment in Entomology (6691185)

Specific uses of these funds will be determined by a committee of entomology faculty, and may include, partial assistantships, support for travel to professional meetings, and support for publication charges.

Theodore R. Adkins, Jr. Endowment (6690498)

Awarded annually to an entomology graduate student working in the area of medical, veterinary, or forensic entomology.

Terminix Endowed Fellowship (6690409)

Awarded annually to an entomology graduate student working in the area of urban pest management.

E. W. King Endowed Memorial Grant (6690244)

Competitively awarded to an entomology graduate student to support basic entomological research.

W. C. Nettles Endowed Memorial Grant (6690313)

Competitively awarded to an entomology graduate student to support applied entomological research.

Joel A. Berly, Sr. Endowed Fellowship in Entomology (6690798)

Recruiting fellowships that are competitively awarded to students applying to enter the graduate program in August.

Dr. and Mrs. John Thomas Creighton Endowed Memorial Fellowships (6690114)

Recruiting fellowships that are competitively awarded to students applying to enter the graduate program in either January or May.

Excellence in Entomology Endowment (6690150)

To be used at the discretion of the Department Chair to build excellence in entomological activities. May be used for scholarships, faculty support, program enhancement, or student or faculty travel.

Plant Pathology & Physiology Endowments

The George Miller Armstrong Plant and Environmental Sciences Program (6690009)

Specific uses of these funds will be determined by a committee of plant pathology and physiology faculty, and may include, partial assistantships, support for travel to professional meetings, and support for publication charges. Also may be used to support professional development by bringing recognized faculty to Clemson's campus to present seminars and interact with students.

Plant Pathology and Physiology Super Fund (5500228)

Provides support for faculty, students and staff for travel or equipment and supply purchases that enhance plant pathology and physiology activities.

N. Dwight Camper Scholarship Endowment (6690815)

Provides scholarships for undergraduate students majoring in the plant sciences who are participating in research within their major curriculum.

Faculty Awards



Peter Adler

- › Clemson University Alumni Award for Outstanding Achievement in Research (2005)
- › Godley-Snell Award for Excellence in Agricultural Research - Clemson University Public Service Administration (2003)

Eric Benson

- › Recognition Award in Urban Entomology -Entomological Society of America - Southeastern Branch (2005)
- › Distinguished Achievement Award in Extension Entomology - Entomological Society of America - Southeastern Branch (2004)
- › Superior Performance Award - Clemson University Cooperative Extension Service (2003)

Jay Chapin

- › Best Scientific Paper Presentation (entomology) - American Peanut Research and Education Society (2004)

Joe Culin

- › Helms Award for Exemplary Contributions to Education in South Carolina - South Carolina Science Council/SC State Museum Hall of Science and Technology (2003)

Tony Keinath

- › Communications Award (publications category) - National Association of County Agricultural Extension Agents

Bruce Martin

- › Outstanding Plant Pathologist Award - American Phytopathological Society - Southern Division (2005)

Gloria McCutcheon

- › Leadership Award for Youth Development - *Zeta Phi Beta* Sorority (2004)

Pat Zungoli

- › Teaching Award of Merit - North American Colleges & Teachers of Agriculture (NACTA) (2005)
- › Distinguished Achievement Award in Teaching - Entomological Society of America - Southeastern Branch (2005)
- › Robert S. Campbell Award for Faculty Achievement in Communication Across the Curriculum - Clemson University Pearce Center for Communication (2004-2005)
- › Syngenta Leadership Award in Urban Entomology (2003)

Recognition of Books by Faculty

Peter Adler

Best Single-Volume Reference in the Sciences for 2004 for the book: *Black Flies (Simuliidae) of North America* - by the Association of American Publishers Award (2004)

Bob Bellinger & Bruce Martin

Extension Materials Award for 2004 for the manual *Ornamental and Turfgrass Pest Management- A Pesticide Applicator Certification Manual for the Carolinas and Georgia* - by the American Society for Horticultural Science (ASHS)

Staff Awards

Tammy Morton

- › Outstanding Service Award - Clemson University Cooperative Extension Service (2003)

Kathy Sexton

- › Outstanding Staff Employee Award - College of Agriculture, Forestry & Life Sciences, Clemson University (2004)



Student Team Awards

Southern Weed Contest

- 2004 3rd place - Southern Weed Science Society (Prashant Jha, Sunny Malik, Jay Meehan, Marcos Oliveira / Coaches: Jason Northworthy & Horace Skipper)
- 2005 2nd place - Northeastern Weed Science Society (Sunny Malik, Prashant Jha, and Marcos Oliveira / Coaches: Jason Northworthy & Horace Skipper).

Linnanean Games

- 2004 1st Place - Southeastern Branch Entomological Society of America (CJ Geraci, Amy Kilpatrick, James Korecki, Will Reeves / Coaches: Gerry Carner & Pat Zungoli)
- 2005 1st Place - Southeastern Branch Entomological Society of America (Kristin Cobb, CJ Geraci, James Korecki, Jen Nauman / Coaches: Gerry Carner & Pat Zungoli)

Student Individual Awards

Michael Biondi

- › W.C. Nettles Endowed Memorial Grant Award (2005)

Karen Bussey

- › Ameri-Corp Conservation Education Award (2004)

Kristin Cobb

- › W.C. Nettles Endowed Memorial Grant Award (2004)

Marcos DeOliveira

- › High individual award in the Farmer Problems Competition Northeastern Weed Science Society (2005)

C.J. Geraci

- › E.W. King Endowed Memorial Grant Fund Award (2004)

Idham Harahap

- › J.H. Cochran Memorial Award (2004)
- › Terminix Endowed Fellowship Award (2005)

Lauren Harvey

- › E.W. King Endowed Memorial Grant Fund Award (2005)

Jun Mi Hur

- › E.W. King Endowed Memorial Grant Fund Award (2004)
- › E.W. King Endowed Memorial Grant Fund Award (2005)

Prashant Jha

- › 3rd place individual award Northeastern Weed Science Society (2005) competition
- › High individual award in the Farmer Problems Competition Northeastern Weed Science Society (2005)

Sam-Kyu Kim

- › E.W. King Endowed Memorial Grant Fund Award (2005)

Sunny Malik

- › 8th place individual award Southern Weed Science Society (2004)

Jay Meehan

- › 10th place individual award Southern Weed Science Society (2004)

Jennifer Nauman

- › Terminix Endowed Fellowship Award (2005)
- › James D. "Denny" Ford Annual Scholarship Award (2005)

Mark Nelder

- › Dr. ('26) and Mrs. John Thomas Creighton Endowed Memorial Fellowship (2004)
- › E.W. King Endowed Memorial Grant Fund Award (2005)

Samuel Njoroge

- › Sustainable Agriculture Research and Education Graduate Fellowship (2004)

Donnie Oswalt

- › W.C. Nettles Endowed Memorial Grant Award (2005)
- › Terminix Endowed Fellowship Award (2005)

Eric Paysen

- › E.W. King Endowed Memorial Grant Fund Award (2005)
- › J.H. Cochran Memorial Award (2005)

Graduates



BS, Crop & Soil Environmental Science

May 2003

- › Robert M. Anderson (attending University of Tennessee, Knoxville)
- › Casey L. Callahan (attending Baptist Theological Seminary of Richmond, Virginia)
- › Sean C. Hoelscher

December 2003

- › David C. Page
- › Seth G. Squires (farming in Horry County)

May 2004

- › Johnny R. Watts (farming in Sumter County)

December 2004

- › Heather D. King (Dow Chemical Co.)
- › Myra A. Walters

BS, Entomology

August 2003

- › Karen Bader Burton (currently at home with new baby)

BS, Plant Pathology

May 2003

- › Joshua S. Ash (PhD candidate, Dept. of Plant Pathology, Cornell University)

MS, Entomology

May 2003

- › Richard C. Harrington (PhD candidate, Dept. of Evolutionary Ecology, University of Tennessee, Knoxville, TN)
- › Michael E. Vickers (Los Angeles, CA)

August 2003

- › Daniel Carnagey (Shealy Environmental Services, Inc., Cayce, SC)

December 2003

- › Marriah J. Schwallier (teaching 8th grade science, Summit Parkway Middle School, Columbia, SC)
- › Jenny C. Staeben (attending Law School, University of Wyoming)

December 2004

- › Amy L. Kilpatrick (currently at home with new baby)
- › Monica A. MacCarroll (Biologist with Tennessee Valley Authority, Knoxville, TN)

MS, Plant & Environmental Sciences

May 2003

- › James H. Chappell

December 2003

- › Staci N. Burnett (Soil Conservation Service, Athens, GA)
- › Jessica A. Eisenmann (teaching at St. Joseph High School, Greenville, SC)

May 2004

- › Philip J. Brown (PhD candidate, Dept. of ESPS)

August 2004

- › Elizabeth D. Wall-Bassett (PhD candidate, Dept. of Food Science & Human Nutrition, Clemson University)

December 2004

- › John T. Meehan (attending Medical University of South Carolina, Charleston, SC)
- › Sara M. Murdock (teaching biology at Greenville Technical College)
- › Shane R. Parker (attending University of California-Davis)
- › Drew C. Zwart (Research Associate, Dept. of ESPS)

May 2005

- › Megan L. Baker (North Carolina Cooperative Extension, Boone, NC)

PhD, Entomology

May 2003

- › Janet Kintz-Early (Nisus Chemical Co., Knoxville, TN)
- › Pudjianto Pudjianto (faculty member, Plant Protection Dept., Agriculture University, Bogor, Indonesia)
- › J. Powell Smith (Associate Professor, Entomology, Soils, and Plant Sciences, Clemson Univ., Edisto REC, Blackville, SC)
- › Craig A. Stoops (Medical Entomologist, US Navy, Jakarta, Indonesia)

December 2003

- › Will K. Reeves (Post-Doctoral Associate with Center for Disease Control, Atlanta, GA)
- › Denny Smith (Associate Professor, Biological Sciences, Clemson University)

May 2004

- › Ozlém Kalkar (faculty member at Kahramanmaras Sutcu Imam Universitesi, Biyoloji Bolumu Avsar Kampusu, Kahramanmaras, Turkey)

December 2004

- › Aaron M. Hagerty (USDA/ARS, Fairbanks, Alaska)
- › Yayi M. Kusumah (faculty member, Plant Protection Dept., Agriculture University, Bogor, Indonesia)

May 2005

- › Idham S. Harahap (faculty member, Plant Protection Dept., Agriculture University, Bogor, Indonesia)

PhD, Plant & Environmental Sciences

December 2003

- › Alison E. Robertson (Assistant Professor, Dept. of Plant Pathology, Iowa State University)

PhD, Plant Physiology

August 2003

- › Sandra L. Gray (Research Specialist, Animal and Veterinary Science Department, Clemson University)

December 2004

- › Joe-Ann H. McCoy (USDA/ARS Germplasm Lab, Iowa State University)

Births

Ryan Blake Oswald, 9 December 2003
son of Donny (PhD candidate, Entomology) and Marsha Oswald

Nolen Christopher Schnabel, 4 April 2004
son of Guido (ESPS faculty) and Elise Schnabel

Matthew Clay Morton, 5 June 2004
grandson of Tammy (ESPS Administrative Assistant) and Don Morton (son Matthew)

Gary David Nelder, 6 August 2004
son of Mark (PhD candidate, Entomology) and Rebecca Nelder

Joyce Elizabeth Burton, 20 September 2004
daughter of Karen (Bader) (BS, Entomology '03) and James Burton

Hailey Danielle Carnagey, 24 October 2004
daughter of Daniel (MS Entomology '03) and Jennifer Carnagey

Benjamin Baker Story, 9 February 2005
grandson of Dick (ESPS Staff) and Brenda Baker (daughter Betsy)

Alexander Gregory Murdock, 7 March 2005
son of Sara (MS, Plant & Environmental Sciences '04) and Jay Murdock

Miriam Gila Yourman, 11 March 2005
daughter of Len (PhD, Plant Pathology '99) and Rinny Yourman

Lillian Adia Maunz, 12 April 2005
granddaughter of Powell (ESPS faculty) and Cathy Smith (daughter Sarah)

Aiden Westly Barnes, 18 May 2005
grandson of Dwight (ESPS faculty) and Jane Camper (daughter Britney)

Grant Clayton Kilpatrick, 8 June 2005
son of Amy (MS, Entomology '04) and Eran Kilpatrick

New Faculty

Dr. Chris Main, PhD Plant & Soil Science, Univ. of Tennessee. Chris joined our department in May 2005. He is a weed scientist and will be conducting extension and research activities. Chris is located at the Pee Dee Research and Education Center in Florence, SC.

Dr. John Andrae, PhD Animal Physiology, Univ. of Idaho. John is currently in the Crop and Soil Science Department



at the Univ. of Georgia, and will be joining our department in January 2006. He will be conducting extension and research activities in forage / livestock management. John will be located on the main Clemson campus.

New Emeritus Faculty

Dave Alverson ('03), Ralph Franklin ('03), Jimmy Golden ('03), Dewitt Gooden ('03), Clyde Gorsuch ('04), Doyce Graham ('03), Mac Horton ('03), Ed Murdoch ('03), Mitch Roof ('03), Horace Skipper ('03), and Nancy Walker ('04)

Faculty Accepting New Positions

Dan Kluepfel has moved to Davis, CA where he serves as the Research Leader in Plant Pathology at the USDA laboratory.

Obituaries

Dr. Hazel L. Shands (27 December 2002, Madison, WI)
Hazel received his BS in Agronomy from Clemson College in 1929. He received a PhD in Agronomy at the Univ. of Wisconsin in 1932 and remained there in a faculty position until his retirement in 1977. His research resulted in 22 new small grain varieties including Vicland Oats.

Dr. Luther W. Baxter (2 December 2003, Clemson, SC)
Luther received his BS (1950) from Eastern Kentucky University, and his MS (1952) and PhD (1954) from Louisiana State University. He joined the Clemson faculty in 1955, and worked at the Edisto Research & Education Center until 1958. He then served as head of Agriculture Department at Western Kentucky University from 1958 to 1966. He returned to Clemson in 1966 and worked on diseases of ornamental plants until his retirement in 1990. Luther remained an active emeritus faculty member until his death.

Dr. George Langdale (23 December 2003, Athens, GA)
George received his BS (1957) and PhD (1961) degrees in Agronomy from Clemson. He spent 40 years working with USDA ARS in SC, GA and TX on conservation tillage systems and erosion control.

Mr. Henry L. Parr (7 February 2004, Newberry, SC)
Henry received his BS (with high honors) in Agronomy from Clemson College in 1947, after serving in WW II as a B-24 pilot. He established Headspring Farm in Newberry in 1950, and led the dairy operations there for 45 years. He, and his family, received numerous awards including, 1959 Outstanding SC Young Farmer of the Year, and *Progressive Farmer's* Master Farm Family Award in 1968. He served as a state director for SC Farm Bureau for 32 years.

Mr. Joseph R. Adair, Jr. (19 April 2004, Laurens, SC)
Joe received his BS in Agronomy from Clemson College in 1932. He worked for the USDA Soil Conservation Service from 1932 until his retirement in 1965. He worked with the Laurens County School System to establish the Joe Adair Outdoor Educational Center which provides hands-on, outdoor

educational activities for K-12 students in Laurens county.

Mr. LeGrand "Mac" Sparks, Jr. (2 February 2005, Clemson, SC)

Mac was an emeritus faculty member in entomology having retired as cotton entomologist and wildlife specialist from Clemson in 1976. Mac also received both his BS (1941) and MS (1957 under the direction of Dr. J.H. Cochran) in entomology from Clemson.

Dr. Robert E. O'Brien (28 February 2005, Maitland, FL)
Robert received his PhD in Entomology from Clemson in 1963. He worked under the direction of Drs. Richard Fox and John Reed.

Dr. William Epps (2 May 2005, Clemson, SC)
Dr. Epps earned his B.S. degree from Clemson College in 1937 and a Ph.D. degree from Cornell University in 1942. He was a plant pathologist at Clemson College from 1945 to 1956, stationed at Charleston, SC, where he developed the Marion and Culiacan I tomatoes and conducted research on diseases of tomatoes and other vegetables. He transferred to Clemson in 1956 and was head of the Botany & Bacteriology Department from 1956-1969. He then became the first head of the new Plant Pathology and Physiology Department at Clemson University until his retirement in 1978. He was an emeritus faculty member since that time.

We have also been notified by the Alumni office that the following alumni are deceased but complete information was not available:

Lauren P. Booth (Fall 2004), Agronomy, 1950
Lee K. Crosland (Fall 2004), Agronomy, 1952
John E. Boulware (Winter 2005), Agronomy, 1942
Marshall E. Walker, Sr. (Winter 2005), Agronomy, 1941
Ltc. Lynwood R. Duke (Summer 2005), Agronomy, 1953

Update your contact information!

With over 1300 alumni and friends in our ESPS database, we can't stay current without your help!

If you have a change of address, please be sure to let us, and the Clemson Alumni Office, know. Also, we currently have very few email addresses in our database. If you would prefer to receive notes from the department by email, please let us know. That would help reduce our printing costs. If you need to make an address change, please contact Tammy Morton (tmrtn@clemson.edu). She'll make sure your changes also get to the Alumni Office.



Clemson Weather & Eyes on Clemson

<http://camera.clemson.edu/weather/>

Check it out to see for yourself what's happening in Clemson.

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WE NEED YOUR HELP!

Be a part of YOUR newsletter ... please take a few minutes to fill out this form and return it to the address below. We'll pass on any information you would like to share with your fellow alumni.

Mail to: Editor, *News from the World of ESPS*, Department of Entomology, 116 Long Hall, Box 340315, Clemson University, Clemson, SC 29634-0315.

Name: _____

Home Address: _____

City, State, Zip _____

Work Address: _____

City, State, Zip _____

E-Mail: (Home/work) _____ Phone: (Home/work) _____

Degree & Graduation Date (For Alumni): _____

Profession/Current Position/Employer: _____

Tell us about **YOURSELF!** Include professional activities, honors, civic involvement, family happenings, etc.:
