

Department of Horticultural Science
Newsletter, Winter 2003

North Carolina State University, Raleigh, NC 27695-7609

http://www.cals.ncsu.edu/hort_sci/

News from the Department Head

Julia Kornegay

Since my arrival at the end of August, I have spent most of my time getting to know our faculty, staff and students, and meeting with growers, commodity associations and other groups. I have been from one side of the state to the other visiting apple, strawberry, sweetpotato, cucumber, melon, wine grape, nursery crop, and organic farming experimental trials and production fields, and that is just the beginning! There are a lot more programs to visit and people to meet. I have been amazed and **impressed at the depth and breadth of the activities** of our department, which is, without a doubt, one of the premiere horticulture departments in the world!

There have been several faculty changes since September. **Sylvia Blankenship** was appointed interim associate dean of administration in CALS. **David Monks** replaced Sylvia as assistant department head. **Jonathan Schultheis** took on the duties of department extension leader. **Dennis Werner** will be stepping down as graduate program director, and will be replaced by **John Dole** effective March 1. Thanks to Dennis for all his work with the graduate students. **Steve Mcartney** joined the department as a new assistant professor in November. Steve will do research and extension work on apples as part of the regional apple program of NC State, Univ. Georgia, Univ. Tennessee, and Clemson.

In October the department completed our 2004 **Compact Plan** and outlined six strategic initiatives to be emphasized in the coming years. These include:

- Horticulture for the Urban Environment
- Plant Breeding in Horticulture Science
- Horticulture Distance Education (Certificate and MHS Programs)

- Horticulture Genomics and Biotechnology
- Development of New Crops, Value-Added Products, and Agricultural Enterprises
- Increased External Funding for Horticulture

The **Hort Council** had their annual meeting at the JC Raulston Arboretum in December with representatives of 16 associations attending. Ms. Erica Upton Peterson, executive vice president of the North Carolina Agribusiness Council, was the invited speaker. Each commodity association and the Horticultural Science department gave reports of their annual activities. After lunch, the Hort Council **toured Kilgore Hall and the new USTL greenhouses** and teaching labs being built for horticulture from the university bond referendum funding.

Departmental Highlight

Todd Wehner

Food Safety: The safety of our food supply is a responsibility shared by consumers, producers, sellers and handlers. Consumers have long trusted that food handlers, including producers, processors and preparers, will use procedures ensuring that food products come to the consumer clean, safe, and ready to eat. This view changed dramatically in recent years in response to terrorist activity and food borne disease outbreaks. Because many kinds of fresh produce implicated in disease outbreaks are grown in the South (i.e. leafy greens, onions, carrots, celery, melons, berries and tomatoes), southern growers are faced with the question: "How do I know your produce is safe to eat?"

See the related story in Perspectives at <http://www.cals.ncsu.edu/agcomm/magazine/spring03/clean.htm>



Drs. **Doug Sanders and Dennis Osborne**, (Horticultural Science) and **Donn Ward** (Food Science) direct a regional integrated research, teaching and extension program providing fresh produce food safety training and certification for southern industry, retail, grower and other commercial and non-commercial fresh produce handlers. Forty two cooperators, including at least one each from Horticultural Science and Food Science departments in each of the 11 southern states create and deliver (a) fresh produce food safety education, analysis, assessment, and communication of risk; (b) applied research relating sources, incidence and control measures for food borne microbial pathogens; and (c) coordination with national integrated food safety programs and resources. This work is facilitated through a network of 150 county Agents in the region. NCSU Horticulture agents involved are Darrell E. Blackwelder, Diane Ducharme, Mac Gibbs, Bill Hanlin, Bill Jester, Billy Little, Allan Thornton, Wick Wickliffe and Taylor Williams.

New user-developed **agricultural risk management curricula**, materials and self-assistance systems are helping preserve conventional, sustainable, small-scale, minority- and women-owned fresh produce farming systems in all states touched by this project. The ultimate effect of such an approach is a national impact in that safe southern produce moves to market throughout the country, again validating consumer trust in the industry.

See the Food Safety site at http://www.cals.ncsu.edu/hort_sci/hsfoodsafety.html

Interesting Web Sites

Mary Peet

Mary Peet is collecting information on **interesting web sites for Horticultural Scientists**. Here is the winter installment.

As the Research Vice-President of ASHS, I have been impressed by the new features added to the **ASHS website** (<http://www.ashs.org/>) through the hard work of Dan Lineberger and Tim Rhodus. Those of you who have not explored the ASHS website recently are missing valuable resources and member benefits. There is online **abstract submission and conference information**, now including the ability to search for specific events, such as working group business meetings during the Centennial Conference. Did you know there is a **calendar** (<http://www.ashs.org/news/calendar.php>) with links for ASHS and related events and deadlines? For people who cannot keep track of phone numbers, there is a link (<http://www.ashs.org/leaders/index.html>) for **telephone and email contacts** for Headquarters staff, Board members, ASHS committees and working groups. Amazingly, most of the information is up-to-date! Check to see if your information is up-to-date by logging into the **members only** section. Login is fairly simple, but you will need your membership number the first time. After logging in, you can update your

member profile, search the directory for other members by either name or area of expertise (to find reviewers!), access the online newsletter, and sign up for the various committee and working group listservs.

In the **publications area**, you can submit manuscripts online, find author guidelines and editor information, and search the archives for citations and abstracts. You can also browse the Table of Contents. Check out the two NCSU sweetpotato articles in the November 2003 issue of the ASHS Journal! Subscribers can also view full text articles. We are working on offering full text electronic access to libraries, and this feature should be available some time in 2004.

Check out the **resources area** as well (<http://www.ashs.org/resources.html>)! This section contains links to plant ID and teaching resources. The ASHS image database is not working yet, but check out the link to PlantFacts. The OSU PlantFacts Search Engine indexes over 59,000 pages of Extension publications from 46 different university and government institutions across the United States and Canada. In addition, they have search engines for images, a library of videos, a glossary, as well as links to Departmental homepages. Check it out without going through the ASHS link at <http://hcs.osu.edu/plantfacts/web/fs/list.html>, and next time you see him, thank Tim Rhodus at Ohio State for all his hard work!

People in the News

Todd Wehner

The departmental web page dealing with **HS People in the News** is updated periodically, and is available for you to browse at: http://www.cals.ncsu.edu/hort_sci/news/hspplnews03.html

Faculty News

David Monks

Pat Lindsey's summer design studio class designed a 1 acre garden for the Good Samaritan Inn in Durham (a homeless shelter for women and children), and installed it this fall and winter.



Mary Peet served August 20 as a member of the review panel for the USDA-ARS Air Quality Research Unit on the NCSU campus. She also traveled to Providence, RI to give a talk on 'Yield and quality responses of horticultural crops to CO₂ and temperature' at the Symposium on Impacts of Climate Change on Horticulture: Setting a Research and Education Outreach Agenda. The Symposium was very well-attended, and has been the basis of articles in Science News and the Boston Globe.

Mary Peet participated in CSREES review of the Horticulture Department at Michigan State University led by Tom Bewick, National Program Leader for Horticulture. She had the distinction of being the only returning team member from the previous review in 1989. The MSU program, faculty and facilities were very impressive, but there were many concerns about whether vacant positions in floriculture and postharvest physiology would be filled, whether

faculty would be switched to academic year appointments, and whether there would be support staff cuts. Most technicians and graduate students are already grant-supported, but there were fears that key greenhouse and bookkeeping staff would also be cut.

Steve Clouse recently finished a term as guest editor of the Journal of Plant Growth Regulation. His responsibility was publishing a special issue on brassinosteroids with seven invited reviews covering biosynthesis, signal transduction, physiology and agricultural applications of this important plant hormone.

NC State University IR-4 Field Research Center (**Roger Batts, David Monks**) will be hosting the IR-4 Southern Region's annual meeting in Wilmington, NC. The meeting is on August 17 with a tour and discussion of specialty crops' pest management tools on August 18, 2004. This tour is scheduled to include pickling cucumbers, sweetpotatoes, muscadine grape vineyards and blueberries.

Elzbieta Kozik (on far left in photo below) completed her research as a visiting scientist with **Todd Wehner** on chilling resistance in cucumber, and returned to the Vegetable Crops Research Institute in Skierniewice, Poland. Cooperative research will continue.



Faculty awards

Wayne Buhler received the Early Career Award, Xi Chapter of Epsilon Sigma Phi, National Honorary Extension Fraternity. Presented November 21, 2003.

David Monks received the Visionary Leadership Award from Xi Chapter of Epsilon Sigma Phi, National Honorary Extension Fraternity. Presented November 21, 2003.

Roger Batts received the 2003 IR-4 Meritorious Service Award at the IR-4 Southern Region Annual Meeting in Key Largo, FL for outstanding service to minor crop growers in North Carolina and the nation by identifying critical pest control needs and developing field data required for the expansion of pest control registrations.

Tom Ranney received the Distinguished Achievement Award for Nursery Crops from the ASHS Nursery Working Group, 2003.

Brian Whipker, Todd Cavins, James Gibson, C. Warfield, R. Cloyd and Wayne Buhler received the ASHS Outstanding Extension Publication Award (category of Primarily Visual Award for 2002) for their Pictorial Guide for Poinsettia Disorders.

Nancy Creamer was awarded the Sustainable Agriculture Activist of the Year, at the Carolina Farm Stewardship Associations annual conference in Rock Hill, SC.

Joe Love

From the December 2003 issue of the NCCFGA Bulletin 48(6)1, 4-5.

For the second time this year the greenhouse industry in North Carolina has lost a teacher and a friend. **Dr. Joseph William Love, Sr. passed away** unexpectedly on September 13, 2003. Joe is remembered as a person deeply committed to the NC greenhouse industry. Mike Renfrow of Cyn-Mar Greenhouse in Pine Level said "Joe was a walking encyclopedia of information and had an instant memory of anything he read". In recognition of Dr. Love's contributions to the greenhouse industry, the North Carolina Commercial Flower Growers' Association began the Dr. Joseph W. Love Flower Grower of the Year Award in 2002.

Dr. Love was **born in Monroe, Louisiana** on October 1, 1931 to William M. and Mildred B. Love. He served in the U.S. Air Force and was a veteran of the Korean War. He then attended Louisiana State University for his Bachelors degree and Ohio State University for his Masters and PhD. He joined the faculty at North Carolina State University in 1963. He retired in 1989.

Joe is survived by his **wife of 48 years, Harriette Pritchard Love**; son Joseph W. Love, Jr. and his wife Carol Heroy Love of Wake Forest; daughter, Tracy Snotherly of Raleigh; grandsons, Bryce Cameron Snotherly, Joseph W. Love, III and Andrew Richard Love. Interment was at Montlawn Memorial Park. For anyone desiring to write Ms. Love a note, the address is 3704 Eakley Court, Raleigh, NC 27606.

It seems appropriate to recall all the contributions of Dr. Love during his **career** at North Carolina State University. Below is an article which Dr. Roy Larson wrote for the June 2001 NCCFGA Bulletin upon the establishment of the Dr. Joseph W. Love Flower Grower of the Year Award.

In 1963 funding was made available for the **establishment of a floriculture extension specialist position** in the Department of Horticultural Science at North Carolina State University. Until then one person had the responsibilities for both nursery and floriculture crops. Forecasts indicated that in the very near future there would be a substantial increase in the numbers and economic values of both industries. The forecasts were correct, except perhaps no one realized how great those increases would be. Dr. Joseph W. Love was the first person selected for the floriculture position.

Joe had received his **PhD degree** from the Ohio State University in 1962 and Dr. D. C. Kiplinger was his advisor. His first position was at Rutgers University in New Brunswick, New Jersey, where he was the involved in Floriculture Teaching and Research. When the

Floriculture Extension Specialist position at N.C. State became available Joe applied, was offered the position, and retired after over 25 years of outstanding service.

"Service" is the appropriate word to use in describing the **philosophy** of Joe Love as a floriculture extension specialist. No grower was ever rebuked by him for a telephone call late in the evening, or on a Saturday or Sunday. His office door was always open for growers with a problem, students seeking advice on job opportunities, or sales representatives who wanted his opinion on a new product, a new variety, or information on plant culture. On many occasions a grower would call Joe with a desperate plea for help. There were no digital cameras for the grower to show the crop electronically so Joe would go to the individual's greenhouse and almost always correctly assess the problem and recommend the proper action needed.

Many of the people now leaders in the industry were just children when Joe would visit the family business. They witnessed the way Joe helped their parents, and how welcome he was on the premises. Many of the people now in floriculture industry were members of the **intercollegiate flower judging teams** which Joe coached for many years. That activity wasn't in Joe's job description, but he saw great value in teaching students how to judge quality in products they might someday be producing for selling. The team members would meet in the evening and on Saturday morning so Joe could fulfill his other responsibilities. The North Carolina Commercial Flower Growers' Association generously helped fund the trips the students took to the judging contests.

His original assignment was 100% extension, but Joe **developed a new course** in the department, HS 440 Greenhouse Operations and Management, to supplement the production courses. Joe had every student develop a greenhouse plan as if they were going into the business, and when some of the students decided to start their own operation they used that model to get a bank loan. Joe's tremendous

ability to remember almost everything he saw or read made his information current and accurate.

Joe conducted applied **pioneering research** on the use of growth regulators to control height and flowering of floriculture crops, the use of slow-release fertilizer, and pine bark media. He also was involved in the publication of poinsettia and azalea manuals, initiated the Holiday Plant Day which was first held in Raleigh in December, but later was held in Shelby, Asheville, Wilmington, Smithfield, Charlotte and other locations. The annual Flower Growers' Short Course also was Joe's responsibility, and he was Chairman of the Bedding Plant Growers annual conference when it was held in Raleigh.

When Joe **retired in 1989**, the Association made him an Honorary Life Member. Naming the Grower of the Year Award as the Joseph W. Love Award is a verification of his outstanding service to growers.



Joseph W. Love's Achievements

- President, Southern Region, American Society for Horticultural Science, 1986-87.
- Recipient of the Henry M. Covington Extension Award, 1988.
- Recipient of the Paul Ecke, Sr. Award in 1983 and 1984 when his intercollegiate flower judging teams won first place in the national competition.

- Recognized by Pi Alpha Xi National in 1991 for his devotion to students and teaching and dedication to floriculture.
- Developed a new course in the department, HS 440, which covered greenhouse operations and management.
- Honorary Life Membership in the North Carolina Commercial Flower Growers' Association in 1989.

Staff News

Barb Amos

We have been fortunate to fill two of our vacant technical positions. On November 1st Dr. **Luz Reyes** replaced **Kirk Creel** as technician with Doug Sanders. Luz transferred from a postdoctoral position working with sweetpotato with Sylvia Blankenship.

On January 1st **Jon Roethling** will transfer from a time-limited arborist position into the technical position at the Arboretum formerly occupied by **Mitzi Hole**.

Marie Hall has retired as a secretary with the vegetable crops group in the department. She began work in April, 1998.

Undergraduate Program

Bryce Lane

We had our **fall graduation** ceremonies on Wednesday, December 17 in the York Auditorium of the Ruby McSwain Education Center at the JC Raulston Arboretum. There were 3 students who received Master of Horticulture degrees, 4 Master of Science degrees, and 2 PhD degrees. We had 21 students receive BS degrees. A catered luncheon followed the ceremony.

Also recognized at graduation was Ms. Debbie Hamrick who received the **NC State Horticultural Science Outstanding Alumnus Award**. Debbie spoke at the ceremony, and

encouraged our graduates to pursue their passion, and to do something that was fun. She indicated that they were leaving school with a firm foundation in their horticultural education, and to use that to pursue their dreams.

Graduate Program

Dennis Werner and Rachel McLaughlin

Graduate student news

Gabriele Gusmini, Nihat Guner and Tammy Ellington gave an overview of Todd Wehner's cucumber and watermelon breeding facilities at HFL greenhouses on November 9 for NJHA students. The students were in Raleigh for the annual conference organized by **Larry Bass**.

Graduate students finishing

Four graduate students finished their graduate programs since August, 2003. We appreciate their contributions to the Department and wish them all the best in their future professional pursuits.

Lane Greer completed her PhD program and will begin her new position as a faculty member at Mississippi State University. Lane worked on post-harvest life of woody cut flowers for her PhD thesis. Lane was advised by Dr. **John Dole**. We will miss her humor and jokes!!!!

Tania Guzman completed her MS program. Tania studied virus incidence and symptomology in cultivated blackberry. Tania was advised by Dr. **Gina Fernandez**.

Megan Weddington finished her MS program. Megan conducted an economic and cost analysis of various segments of the floriculture industry. Megan was advised by Dr. **John Dole**.

Tina Wilkinson finished her MHS program in the area of Landscape Horticulture. She conducted a study of legibility analysis at the JC Raulston Arboretum. Tina was advised by Dr. **Pat Lindsey**.

Graduate student awards

Amy Williams, graduate student (MS candidate) with **Paul Nelson**, won Honorable Mention for one of her entries in the photo contest for NCSU employees held at the Student Center on Monday, September 29 during Employee Appreciation Week 2003.

Denise McKinney, graduate student with Nancy Creamer, received a grant from the Organic Farming Research Foundation (OFRF) for 'sorghum-sudangrass grown as a summer cover crop for organic no-till vegetable production and organic hay'.

Erin Nagle (PhD student with John Williamson and Mason Pharr) received the Master's Student of the Year Award for 2002 from the Crop Science Department. Erin is working on aspects of mannitol metabolism in plants, and hopes to obtain a position with a significant teaching component after getting her degree. In addition to the usual science and technology courses, Erin is studying teaching methodologies.

Graduate Student Feature

Richard T. Olsen

Horticultural Science graduate students have been busy this fall semester, holding their portion of the line in the department in regards to teaching and research. For many graduate students, this is the first time **budget cuts** have trickled down and affected their duties, with TA's absorbing more class time and responsibilities than normal in this time of reduced academic teaching budgets. Essentially, no outside help was brought in for the larger undergraduate courses, thus increasing the number of laboratory sections and size. However, the graduate students rolled up their sleeves and tackled the challenge head-on, doing their best to maintain the academic excellence expected by our undergraduate students.

On the **research** front, RA's have continued to maintain active research programs in the laboratories, often burning the proverbial midnight oil. Horticulture research is not unique in its ability to bridge basic and applied science, but the balance is often hard to maintain in a department with such close ties to our agricultural constituents and industry. It was interesting to hear this problem addressed by **Dr. Ahmed H. Zewail**, the 1999 Noble Laureate in Chemistry, when he spoke to NC State University at the 2003 L.H. Thomas Physics Lecture Series on October 31. Here is a person who holds the Linus Pauling Chair as professor of chemistry and physics at the California Institute of Technology, a Noble Laureate who invented femtochemistry, discussing the pressure from outside forces (and funding sources) to have product oriented, and applicable research!

Graduate student research encompasses all aspects of horticulture, from molecular analysis of floral meristem genes in butterfly bushes and genomic studies in sweetpotato, to breeding disease resistant cucumbers and improved ornamentals for North Carolina, to best management practices for NC nurseries, to cut flower and classical floriculture research. Our horticulture constituents in NC would be proud of the research our graduate students are conducting here in the department, and we encourage you to view our research on the web (see individual Graduate Student links under the People link on our department web page).

The Graduate Students have also donated their time to the honors horticultural service fraternity, **Pi Alpha Xi**. The PAX fall plant sale was a great success, grossing \$35,631 for a net profit of \$12,408. This profit will carry the fraternity over into next spring, supporting such functions as the PAX initiation banquet (February 13) and seed money for the spring plant sale (April 17-18), so mark your calendars!

News from Around North Carolina

Horticultural Crops Research Station (Castle Hayne)

Susan Rooks

Robbie Brogden, former superintendent of the Castle Hayne station, is now superintendent of the Clinton station; congratulations!

Mike Mainland has added the following to his Christmas wish list: one new Castle Hayne superintendent.

The 38th Annual Open House of the **North Carolina Blueberry Council** will be coming up on January 13th and 14th. The meeting will be held at the Sampson Agri-Exposition Center in Clinton, NC near the intersection of Hwy 24 and Hwy 701 business.

JC Raulston Arboretum (Raleigh)

Bob Lyons

The JC Raulston Arboretum has always been a laboratory for our undergraduate students but this semester has been particularly rich in individual student participation. Two students, **Jessica Kohls** and **Regan Fuqua**, are currently pursuing Internal Learning Experiences (ILE) under the tutelage of JCRA staff members. Two other students nearing the completion of their degrees, **Sara Millar** and **Donna Phillips**, are working limited hours following very successful summer internships, and four undergrads comprise our latest group of new student assistants. These four, **Judy Morgan-Davis**, **Andy Mackintosh**, **Seneca Toms**, and **Jeff Jones** have been hired on a part-time basis to assist in virtually all facets of JCRA activities. They always work under the guidance of our staff and often interact with volunteers and the general public. We think that it is a real privilege to work at the JCRA and we consider ourselves very fortunate to have such talented students within our ranks!

LCPTRS-Cunningham Research Station (Kinston)

Bill Jester

Sandy Barnes, superintendent of the Raymond P. Cunningham Research Station and the Lower Coastal Plain Research Station, retired at the end of November. Sandy has been part of the Research Station family for 38 years. A luncheon was held on December 8 to honor Sandy, his dedication to his job, and the excellent work that he has performed over the years for NCSU and the NCDA. The guests of honor were Sandy, his wife Carolyn, son Jeff and his wife Julie, and Sandy's granddaughter Katie. The meal was provided by the staff and employees of the Research Station. Sandy indicated at the luncheon that he had enjoyed his work and the people he had worked with over the years, but that 38 years was enough time for one career, and it was time to move on to something else.

Bill Jester held a lettuce meeting in December at Cunningham Research Station involving 15 growers and a salad plant buyer from New Jersey. The meeting was conducted to educate growers on best production practices, and to share the results of Bill's lettuce research from the last several years. At least 50 acres of contract lettuce will be grown by these growers in 2004. Lettuce research has been supported by Golden LEAF and the Specialty Crops Program.

Mountain Horticultural Crops Research and Extension Center (Fletcher)

Tom Ranney

(Note: the editor cannot verify the accuracy of this story). Winter has settled in here in the mountains with occasional snow and school closing already thus far. The chair lift and toboggan run are nearly completed in the orchard and the hot tub in the headhouse is now fully operational (remember: maximum of 12 people). For the rest of the winter, we will all be cutting back to 4-hour days so we have time to spend the Holiday Bonus that was awarded to all the off-campus faculty and staff. All is well.

Small Fruit Program (Morganton)

Andy Allen

This year's wine grape harvest at the Upper Piedmont Research Station evaluated cultivars for North Carolina (a Merlot is shown in the photograph).



Vernon James Research and Extension Center (Plymouth)

Mark Clough

Mark Clough and Craig Yenko went to northern Maine to the annual USDA potato breeders harvest in September.

Hurricane Isabel hit the James Center, causing damage of around \$400,000. Thankfully, there was no structural damage, but the conference center was rendered unusable.

In November **Mark Clough and Craig Yenko** attended a grower meeting in Elizabeth City to discuss new varieties from the potato breeding program, and an online database on the program's website. The database contains all major clones and named varieties screened by the program since 1995.

Horticulture Facilities

David Monks

Kilgore Hall is getting a face lift. It is being cleaned and painted, and **new windows** are being installed. The project should be completed by January. Chairs in the **entrance foyer** that were used by students in Dr. Fantz's plant identification labs were also replaced.

We recently were able to upgrade **Classroom 103** by replacing the chairs and tables. It now looks great, and will be more useful for teaching and more comfortable for our students.

A **break room** for faculty and staff is being developed in 123 Kilgore. It will provide a place for refreshments and informal discussions.

We are moving to the **new greenhouses**, new classrooms and headhouse at USTL. Moving into the building is expected to begin on December 18. A few weeks later, we will be moving the plants into the greenhouse.

Elsevier Journal Subscriptions

Mary Peet

Here is an **update on the contract between Elsevier and the Triangle Research Library Network (TRLN) for Science Direct access.**

The Triangle Research Library Network and Elsevier were not able to reach an agreement on the 3-year renewal of Science Direct. The current contract expires at the end of this month, and after that time 203 of the current 712 Elsevier titles will no longer be available to TRLN users in either print or electronic versions. Back issues should be available in both formats, however, and the NCSU library will purchase electronic access for most of the 509 titles they are retaining. They are also implementing faster document delivery processes for articles held at the other triangle libraries. The reasons behind this decision were discussed last Monday at a meeting before the faculty meeting, but for those unable to attend,

the information is available on a link from the NCSU Library homepage:

<http://www.lib.ncsu.edu/colmgmt/elsevier/>.

You will need to enter your unity ID and password to access this site.

Although the **loss of Science Direct** is unfortunate, Harvard, Cornell, the University of Wisconsin, the University of California system and Stanford have also refused to sign. You will still be able to obtain full text access to many journals either directly through the library list of electronic journals or from Web of Science where you can click on the link "Find Text at NCSU" to go more or less directly to the article.

In the event that the current, bundled package of Elsevier electronic journals is not renewed, one of the options for NCSU will be to reexamine all of its Elsevier journal subscriptions (both print and electronic) and cancel those found to be less essential. We have analyzed these titles using many criteria and have compiled two lists. You will find links to them on this update page. The first is a **list of proposed cancellations** and the second is the list of titles we will be retaining:

<http://www.lib.ncsu.edu/colmgmt/elsevier/>

Suzanne Weiner is requesting that you forward this information on to your colleagues and **send her your concerns and comments:**

Suzanne Weiner, NCSU Libraries

Raleigh, NC 27695-7111

Phone: 515-7110, Fax: 513-1108

For some good news, exciting **new library projects** are taking place as part of a \$9.2 million Phase I renovation of the ground and first floors of the East Wing of DH Hill Library. All major utilities will be upgraded, and 450 new seats will be created. In addition, renovations will include a Special Collections Reading Room, a new gallery and conservatory for exhibits, better distribution of study and computer seating, and other improvements in library accommodations. Renovations should be completed some time in 2006, and will provide both a dramatically different appearance

and better access for students to library resources.

Wish List

Julia Kornegay

Because of on-going budget restrictions, the horticulture department can no longer purchase all the items needed by our programs. We hope that our alumni and collaborators will review this list and **help us obtain these items**.

For **Kilgore Hall**

- 50 conference room (stackable) chairs
- stove and extraction hood
- digital camera (4-5 Mpixels)

For the **greenhouses**

- two golf carts with back utility beds
- wireless network hubs (802.11b or g)

For the **graduate student office**

- double sided printer
 - flatbed scanner
 - six replacement computers (Win, Mac)
 - computer desks and chairs (8 - 10)
-

Other Notes

Todd Wehner

We would like to include more **photographs** in our web site and newsletter. Please send me images of things in your area that would be of common interest.

Departmental Newsletter Committee

- Editor /Webmaster: **Todd Wehner**
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 - Honors / Awards: **Rachel McLaughlin**
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 - Graduate Student Feature: **Richard Olsen**
 - Interesting Web Sites: **Mary Peet**
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- Location News: **Bob Lyons** (Arboretum), **Susan Rooks** (Castle Hayne), **Tom Ranney** (Fletcher), **Bill Jester** (Kinston), **Andy Allen** (Morganton), **Mark Clough** (Plymouth)
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