LORIKEETS: An Issue of Iron Storage
People aren’t surprised to hear about research being conducted at the College of Agriculture and Natural Resources that focuses on “farm” animals like cows, sheep, chickens, and pigs. That’s what they expect us to do.

However, they may be taken aback to know that our researchers also work with more exotic species, as in the case of Dr. Rosalina Angel, who is studying the diets of lorikeets. In some ways, Angel’s work represents the new, broader focus of agricultural research—one with multiple benefits for diverse populations. The results of her study have not only led to the development of a healthier diet for captive lorikeets, but may also help address the issue of iron deficiency among humans—the greatest nutritional challenge facing residents of developing countries.

While Angel describes her research as both basic and applied, a new Extension effort called Annie’s Project is about as applied as you can get. Targeting women who help their husbands farm, or women who operate their own agricultural operations, this practical program provides valuable information on production, marketing, finances, legal risk, and human resources. It also empowers participants by helping increase their self-confidence, improve their skills, and find answers, strength, and friendship.

Our undergraduate academic program does that too; just ask recent graduates Amanda Garzio-Hadzick and Zane Hadzick. This amazing husband-and-wife team has taken advantage of everything the college has to offer and—through mutual support and commitment—shared an exciting and extraordinarily successful academic experience. You are sure to be impressed by their story.

So as we head into the dog days of summer, pour yourself a tall glass of iced tea or lemonade, stretch out on the chaise lounge, and settle in for a good read.
Are you a high school student looking for more?

Are you ready to transfer to the University of Maryland?

We have what you are looking for in the College of Agriculture and Natural Resources.

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- Animal and Avian Sciences
- Environmental Science and Technology
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- Plant Science and Landscape Architecture
- Institute of Applied Agriculture
- Virginia-Maryland Regional College of Veterinary Medicine
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College Establishes New Center and Appoints Director

Ginger Myers has been appointed director of the Maryland Rural Enterprise Development Center (MREDC), which was established this year by the College of Agriculture and Natural Resources (AGNR) to provide programming and support for the state’s agricultural and natural resources communities. Specifically, MREDC will:

1. Serve as a portal for educational and outreach resources in marketing and business development planning;
2. Assist entrepreneurs in agriculture and natural resources enterprises in developing new marketing plans and opportunities;
3. Serve as a launching pad to a wide variety of web-based university, community, and professional resources for developing profitable, sustainable businesses;
4. Provide new and next-generation farmers with access to training, mentoring and business development resources; and
5. Provide continuing education and networking opportunities for agricultural support agency personnel, Extension staff, and agricultural economic development specialists statewide.

Myers, who will continue to serve in her current position as marketing specialist for the University of Maryland Extension, has more than 30 years of experience in production agriculture, agri-business, and consulting. She works with agricultural entrepreneurs, develops new markets and networking opportunities, works with new and beginning farmers, and assists with business development and business planning.

Myers is well known among Maryland’s agricultural and environmental communities, having served—or currently serving—on numerous boards, commissions, and committees, including the Maryland State Agriculture Commission, the Board of Directors of Future Harvest–The Chesapeake Alliance for Sustainable Agriculture, and the Natural Resources Industry Working Committee of the Rural Maryland Council. A graduate of LEAD Maryland, the state’s agricultural leadership training program, she also is a former member of the Administrative Council for USDA’s Northeast Sustainable Agriculture Research and Education Program.

“We are very pleased that Ginger will be taking on this key leadership role,” says Dr. Nick Place, associate director of the University of Maryland Extension. “She’s been doing an excellent job to help get this center up and running, engaging Extension faculty and staff and external stakeholders in the process. Moreover, she has a very good vision for ensuring that the center is a vital part of the outreach and educational efforts with our clientele.”

The center’s website—mredc.umd.edu—already contains podcasts, video presentations, webinars, and other resources, including regional contacts and supporting agencies that will enable Extension faculty to expand their programming resources. “Our hope,” says Myers, “is that our faculty will contribute their expertise, publicize events, post interactive presentations, and otherwise use this website to assist their clients with such issues as entrepreneurship, business development, alternative enterprises, and intergenerational transfer of businesses.”

UM Celebrates Arboretum & Tree Campus Status

On May 8 the University of Maryland Campus Arboretum and Botanical Garden hosted a gala event to celebrate trees, arboreta, gardens, and alumni. The university’s campus has been designated an arboretum and botanical garden by the American Public Gardens Association and is the first institution of higher education in Maryland to be recognized as a “Tree Campus USA” by the Arbor Day Foundation.
Three alumni of the College of Agriculture and Natural Resources—Scott Aker, gardens unit leader at the U.S. National Arboretum; Holly Shimizu, executive director of the U.S. Botanic Garden; and Sara Tangren, president of Chesapeake Natives—were honored at the event for their public service and accomplishments related to public gardens and plant conservation. During the ceremony, an “Alumni Elm” was planted near the Anne Arundel Hall patio garden.

LEAD Maryland Announces Sixth Fellowship Program Class

The LEAD Maryland Foundation has accepted 22 Marylanders from 14 counties into its fellowship program. LEAD, as the program is known, is a 501(c)(3) nonprofit organization dedicated to identifying and developing leadership for Maryland agricultural, natural resources, and rural communities. Fellows are selected through a competitive application and interview process.

“Collectively, this group of early- to mid-career professionals offers a wealth of experience and a wide diversity of perspectives in working with agriculture, locally produced food, natural resources, and rural issues,” says Susan R. Harrison, executive director of the LEAD Maryland Foundation. “We have great expectations of these men and women as they go on to solve problems, take leadership responsibilities, and shape public policy important to us all.”

Over the next two years, Fellows will complete ten multi-day seminars in various locations in Maryland and Washington, DC. They also will participate in an international study tour as part of their educational and personal growth training. While Class VI travel plans have not been announced, previous classes have traveled to the Netherlands, Belgium, China, Cuba, Brazil, Finland, Estonia, and Russia.

“While the program participants are primarily from the agricultural and natural resources sectors of society, the program itself goes beyond these sectors,” says Harrison. “By participating in the program, Fellows refine their leadership skills, expand greater self awareness, increase their understanding of the public policy process, and expand their networks and perspectives of the world outside of, as well as relating to, agriculture and natural resources.”

The LEAD Maryland Foundation operates with a volunteer board of directors and receives grant and other support from the Maryland Department of Agriculture, the University of Maryland Extension, the Maryland Farm Bureau, the Maryland Grain Producers Utilization Board, the Maryland Agricultural Education Foundation, the Farm Credit System, the Keith Campbell Foundation for the Environment, and many other sources.

New 4-H Assistant Director on Board

Dr. Jeff Howard has joined the faculty of the College of Agriculture and Natural Resources.
asm to the position, and we are very confident that he will provide excellent leadership for our state 4-H program.”

Howard holds a bachelor’s degree in horticulture, a master’s degree in agricultural education with an emphasis in child psychology, and a doctorate in agricultural education with an emphasis in youth leadership. He has more than 20 years of experience in Extension as a county agent, state specialist, and associate professor. For the past four years, he served as an associate state 4-H program director with Texas AgriLife Extension.

Howard’s many accomplishments include overseeing a 4-H program involving more than 650,000 members and obtaining more than $800,000 in grants to support and expand the 4-H program. He has published numerous peer-reviewed articles and Extension publications on youth development topics and been an invited speaker at several Extension-related conferences. He has also won numerous awards for diversity, teams, communication, and leadership.

University Signs Educational MOU with Taiwan

The University of Maryland (UM) and the Cultural Division of the Taipei Economic and Cultural Representative Office (TECRO), which represents Taiwan in the United States, signed a memorandum of understanding (MOU) on April 29. The goal: to enhance and make more broadly available to UM students—and the university community at
large—knowledge about the environment, natural resources, history, society, language, and culture of Taiwan.

University of Maryland President C.D. Mote Jr. (standing at left in photo) described the MOU as “an enhancement of our partnership with Taiwan,” a partnership based on years of sustained cooperation.

“This is a milestone in Taiwan’s effort to forge relationships with one of the greatest universities in the United States,” Dr. Jacob Chang, deputy representative of TECRO’s Washington, DC, office, (standing at right) told MOU signers (from left) Dr. Cheng-i Wei, dean of the UM College of Agriculture and Natural Resources; UM Provost Nariman Farvardin; and Chin-Sheng Chang, director of the Cultural Division, TECRO. “We look forward to many successful and dynamic efforts.”

The five-year agreement laid out in the MOU provides for the establishment of an initial curriculum of three new courses at the University of Maryland to be jointly developed by UM faculty and their peers at National Taiwan University and taught to students at both universities. The first two courses are a graduate course on the topic of nutritional genomics and an undergraduate course tentatively titled “Sustainable Development of Freshwater Resources in Island Nations: Science, Engineering, and Policy.”

The MOU also includes provisions for research and study abroad. Each year, approximately 20 UM students will spend a month in Taiwan, learning about Taiwanese culture and literature, as well as particular areas of Taiwan’s history and political development, environment, agriculture, and forestry. Up to four additional students will be awarded an AGNR Taiwan Studies Scholarship to conduct research related to Taiwan.

“We are very excited about this agreement and hope it will serve as a model for other colleges at the University of Maryland,” says Wei.

College Recognizes F. Grove Miller at Graduation

Dr. Cheng-i Wei, dean of the College of Agriculture and Natural Resources (AGNR), presented F. Grove Miller, chairman of the Maryland State Fair Board of Directors, with the AGNR Medallion of Excellence during the college’s commencement ceremony on May 22.

Miller, shown in the photo with Wei and his grandson, Robbie Miller, is passionate about agriculture, education, working with young people… and the University of Maryland College of Agriculture and Natural Resources. A retired dairy farmer and president of Farmers & Mechanics Fire Insurance Company, he served on the Board of Regents from 1967 to 1975, was chair of the UM Advisory Board to the vice president of agriculture from 1976 to 1982, and has served on the AGNR Dean’s Leadership Council since the mid-1980s. Miller also served as the AGNR representative on the Council for Agricultural Research, Extension and Teaching for nine years.

In his current role as Maryland State Fair Board Chairman, Miller has been an advocate for 4-H programs and facilitator of expanded educational programs at the fair, including the birthing center program and the return of the AGNR dairy herd. He continues to be a mentor, confidant, and advocate for AGNR administrators, faculty, staff, and students.
Extension Faculty Play Leading Role at Conference

University of Maryland Extension faculty played a leading role in the 2009 USDA Children, Youth and Families at Risk (CYFAR) Conference, which was held May 19-21 in Baltimore.

Dr. Bonnie Braun presented the Annie Casey Family Strengthening Lecture: “Stories from the By-ways of Life: Tales of Hopes, Dreams and Things In-between.” Braun is the Herschel S. Horowitz endowed chair and director of the Center for Health Literacy at the University of Maryland’s School of Public Health, and a specialist with the University of Maryland Extension.

Her remarks combined quantitative and qualitative findings from a 17-state, longitudinal research study called the Rural Families Speak Project, which shined a light on the little-known lives of 448 low-income families living in rural areas. Through interviews, participating women told of the challenges they face in raising children, making ends meet, and dealing with issues involving food security, health, employment, and civic engagement within the communities where they live.

Another highlight of the conference was the construction of a new, safe playground at the Academy of Success based on drawings provided by children who attended a Design Day event in April. The playground was built by volunteers from National 4-H Headquarters, the University of Maryland Extension, and the Academy of Success; organizers from KaBOOM!; and local Baltimore residents, with leadership from Manami Brown, director of UME’s Baltimore City office.

“This playground was desperately needed by the nearly 80 children who attend the Academy of Success,” says Brown. “There isn’t a single other playground within a half mile of the academy.”

It’s the fourth such play area built by KaBOOM! and the National 4-H Headquarters, and one of more than 200 that KaBOOM! plans to help install across the country in 2009 in an effort to provide a great place to play within walking distance of every child in America.

Brown and Braun were joined at the conference by nearly 50 of their Extension colleagues, who shared their outstanding work with children, youth, families, and community during various educational sessions.

Online Knowledge Center Wins National Award

The online Knowledge Center for Water and Nutrient Management has received a Blue Ribbon Award from the American Society of Agricultural and Biological Engineers (ASABE). This award promotes excellence in educational aids and recognizes agricultural engineers in industry and public service who strive for excellence in extension activities through the interchange of ideas on successful methods and techniques.

The Knowledge Center is an educational tool developed by Dr. John Lea-Cox, Dr. Andrew Ristvey, and Cindy Zhao, all of the Depart-
Economists’ Work Highlighted by Media

A research paper by Dr. Andreas Lange and Ph.D. student Andrew Stocking, both of the Department of Agricultural and Resource Economics, has been receiving considerable media attention, receiving coverage in such outlets as the Wall Street Journal blog, Philanthropy Journal, Forem Financial, and the Fox Business Network.

The researchers’ work indicates that charities that want to increase membership and donations should not cut membership fees, which they might be tempted to do in today’s slow economy. According to the paper, slashing the minimum donation required to gain membership not only has no effect on participation rates, it also leads to lower average donations. However, when charities lower the minimum donation by the same amount and call it a special discount, it increases the participation rate and causes a smaller decrease in average donations.

“These general findings suggest that the use of discounts as a charitable organization marketing instrument can be beneficial,” says Lange.

On-Campus Staff Excellence Awards

Gary Seibel, research engineer, Department of Environmental Science and Technology. Seibel manages the college’s Project Development Center and is responsible for lab safety and chemical hygiene in ENST. As manager, he demonstrates his administrative and technical skills as a supervisor, machinist, carpenter, welder, purchasing agent, and computer technician. Seibel has designed or constructed hundreds of devices—including innovative research equipment not available commercially. Examples include an instrument to measure crab claw pinching forces, instruments to detect lameness in cattle, and methods for collecting and monitoring ammonia emissions in poultry houses.

Gary Lapanne, director of administrative services, Department of Animal and Avian Sciences. Under Lapanne’s leadership, the department’s business functions smoothly, with a service-oriented approach and a high degree of professionalism. An accounting system he implemented allows faculty and staff to receive up-to-date monthly account statements in real time. He developed the department’s Business Handbook, which is available online. The department’s grant submissions and funding have increased more than three-fold during Lapanne’s tenure, yet the business office has handled the increased workload without the addition of new staff.

Off-Campus Staff Excellence Award

Jeannie Raines, Extension program assistant, 4-H Youth Development, Montgomery County. Raines serves as the first point of contact for more than 300 adult 4-H leaders, team coaches, and county fair superintendents, as well as more than 1,500 4-H parents. She coordinates the Montgomery County Fair’s 4-H Awards Program, along with its 4-H demonstration schedule and 4-H indoor exhibits. Proceeds from the fair’s cake auction have grown under her leadership from about $9,000
in 2001 to more than $22,000 in 2008. Mason resurrected the 4-H State-to-State Exchange Program two years ago, making it possible for county 4-H teens and parents to spend a week with 4-H families in Colorado last summer.

Cindy Mason, program management specialist, Western Maryland Research and Education Center. Mason develops and manages websites for many Extension program areas and college events. In addition to using Cascade Server, she has taken the initiative to learn additional software necessary for website development, graphic design, and photo enhancement. Mason is active in the Washington County 4-H program as a 4-H club leader and served as assistant superintendent for the home arts section of the Washington County Ag Expo for several years. These volunteer activities help promote a positive image of the college in Washington County’s 4-H and agricultural communities.

AGNR Non Tenure-Track Faculty Excellence Awards

Lisa Lachenmayr, associate Extension agent and curriculum development and outreach coordinator, Food Stamp Nutrition Education Program. Lachenmayr created a web-based evaluation reporting system for Maryland’s Food Supplement Nutrition Education program, a statewide nutrition education program funded by annual USDA contracts. After learning of USDA’s plan to impose new performance, reporting, and documentation requirements, she collaborated with the new evaluation coordinator to develop a system for collecting FSNE data; as a result, Maryland earned the distinction of being the only state in the country able to submit all required data during the first year of the implementation of USDA’s new reporting requirements. Her system has now been adopted by other states. Lachenmayr also developed a teaching curriculum and materials—including an activity logbook packaged in an insulated lunch bag—for WalkWays, a program promoting healthy eating and physical activity. She also has contributed to the excellence of such FSNE curricula as Nutrition Nuggets, F.U.N, and Growing Healthy Habits.

Frank Allnutt, faculty research assistant and center director, CMREC, LESREC, and WMREC. Allnutt is directly responsible for the college’s and university’s ownership of the facility known as WMREC. The university obtained the former army communications base through a quit-claim deed initiated in 1977 from the U.S. Department of Education, with the conditions that the university maintain the property, adhere to strict guidelines, and submit for 30 years an approved annual utilization report; thanks to Allnutt’s diligence in following these requirements, the 546-acre property is now a permanent university and college facility. Despite his oversight of the college’s three Research and Education Centers, which comprise seven individual facilities, Allnutt has found time to collaborate with Extension educators to develop the successful Kids Growing with Grains program, the recent dairy cattle display at the Maryland State Fair, and numerous AGNR Open Houses.

On-Campus Junior Faculty Award

Dr. Andreas Lange, assistant professor, Department of Agricultural and Resource Economics. Lange’s research targets environmental economic problems, as well as more general public economic problems. His work on international environmental agreements makes the point that equity considerations are important when crafting international treaties, particularly those dealing with environmental elements such as carbon emissions. Lange has focused on understanding the effectiveness of emissions trading markets, through which firms are allocated permits based on their current pollution levels and which they can buy, trade, or sell with other companies. Lange’s work provides new evidence on how these markets should be designed in order to maximize their efficiency. In addition to his research, Lange serves as his department’s director of graduate studies, and teaches popular courses at the undergraduate and graduate level, including one on the “Economics of Climate Change.”

Faculty Research Award

Dr. Jose Costa, associate professor, Department of Plant Science and Landscape Architecture. Costa has developed a leading plant breeding research program that contributes to the advancement of science and provides direct benefits to Maryland grain producers. He is nationally and internationally recognized as a leader in the identification of molecular markers and their use in selection programs. His research focuses primarily on wheat and barley improvement including the development of new disease-resistant cultivars for the mid-Atlantic region. Dr. Costa has developed or co-developed five wheat and barley cultivars. His most notable wheat release, Chesapeake, is a high yielding cultivar.
with excellent test weight. Chesapeake is widely grown in the mid-Atlantic region.

Integrated Research and Extension Award

Dr. John Lea-Cox, associate professor and Extension specialist, Department of Plant Science and Landscape Architecture. Lea-Cox has developed a dynamic research program to generate the research-based information needed to answer the nursery and greenhouse industry's questions on sustainable production issues. He has also demonstrated the ability to impart important and timely information using state-of-the-art unique delivery systems. Lea-Cox has developed several web-based information systems for use by both students and green industry professionals. He has also established a grant-supported research program that is focused directly on nursery and greenhouse production issues, including water and nutrient management. His unique investigations use wireless sensor networks to control real-time scheduling of irrigation and nutrient applications. These systems will enhance the sustainability and profitability of the green industry.

Dean Gordon Cairns Award

Dr. Tom Porter, professor and chair, Department of Animal and Avian Sciences. Porter has made major contributions to scientific understanding of reproduction and growth in birds and mammals, especially in the area of neuroendocrine regulation of growth. He identified a transitional cell in the pituitary that is capable of interconversion between GH-secreting and prolactin-secreting cells, thus, for the first time, experimentally demonstrating plasticity in pituitary cell differentiation. He also showed that in rats, a small protein secreted into milk modulates the differentiation of prolactin-secreting pituitary cells in the suckling neonate, highlighting the importance of breast milk as a source of bioactive factors for optimal neuroendocrine development in the newborn. He also showed that the differentiation of GH-secreting pituitary cells during embryonic development in chickens is dependent upon the steroid corticosterone, overturning the prevailing assumption that development of GH-secreting cells was solely dependent upon the action of pituitary growth factors. Porter's lab produced one of the first cDNA microarrays for the chicken, and prior to sequencing of the chicken genome, more than 90 percent of all chicken cDNA sequences contained in the GenBank database were deposited by Porter and his collaborators.

Paul Poffenberger Excellence in Teaching and Advising Award

Dr. Steven Cohan, professor of the practice, Department of Plant Science and Landscape Architecture. Cohan teaches and advises the students in the Landscape Management option in the plant sciences major, serving as the lead instructor and curriculum developer for this academic program. He also coordinates PSLA's entire intern program and has built it into one of the best in the college. Cohan is responsible for developing a professional leadership course and a course on communication within the green industry using an on-line Spanish immersion course. He also serves as an adviser to the landscape management club, coaches the student team that participates in the PLANET activities each year, and leads fundraising to help with team travel expenses. He has coordinated a Green Industry Career Fair on campus for the last four years. Cohan was recently elected by his peers as a 2009 PLANET Trailblazer and will be mentoring new programs on other campuses.

University of Maryland Extension Excellence Award

Joanne Hamilton, senior Extension agent, Family and Consumer Sciences, Carroll County. In Extension Family & Consumer Sciences, Hamilton is best known for her vast knowledge and expertise in the area of financial management. An accredited financial counselor, she has taught classes focusing on an array of financial topics at Northrop Grumman, the National Security Agency, the U.S. Naval Academy, the Maryland Highway Administration, and many other businesses and state agencies. Through Hamilton’s foresight and contacts, the University of Maryland Extension instituted a partnership with the Maryland Supplemental Retirement Program; as a result, thousands of state employees have learned to adequately prepare for retirement. She also helped develop an eight-part financial counseling curriculum, “A Prescription for Financial Wellness,” which has been shared with colleagues locally and nationally.
Basic research or applied research? Investigation designed simply to obtain knowledge and increase understanding or to produce results that can be applied directly to real-world situations?

Most university researchers tend to focus on one or the other. Dr. Rosalina Angel, however, is engaged in work that blends the two.

For the past year, Angel, a professor in the Department of Animal and Avian Sciences, has been studying lorikeets, medium-sized parrots native to Australia and Southeast Asia. These colorful creatures are among a small group of nectar- and fruit-eating birds and primates that are prone to developing iron storage disease in captivity. Simply put, their bodies store too much iron, leading eventually—perhaps over the course of several years—to their death.

According to Angel, it’s not clear why these animals have developed the tendency to store iron or what genetic mechanism or mechanisms are involved. But she hopes to find out. "Our hypothesis is..."
that in the wild the diet that they eat contains iron chelators or binders that decrease iron absorption,” she explains. “To survive, they have evolved mechanisms to upregulate iron absorption. In captivity, feed does not contain these uncharacterized—unknown—iron binders and so they absorb and store too much iron. We hope to test this hypothesis.”

While working for private industry, Angel developed low-iron diets for birds and since then has wanted to find out what the mechanisms are that make these animals so prone to iron storage disease. She wants to understand the evolutionary biology that led to the heightened ability of some birds to absorb iron, why and how this ability developed, and what gene or genes are involved.

But first steps first.

**Addressing the Challenges of a Liquid Diet**

While lorikeets’ brilliant colors and vocal nature make them popular attractions at zoos, little is really known about them, according to Angel, except that their mortality in captivity is higher than would be expected. The problem—and the solution—may involve their nutrition.

One of the problems zoos and private lorikeet owners face is giving the birds a diet that provides them with the appropriate nutrients and hydration. Although lorikeets can be trained to eat a dry diet, they appear to not increase their water consumption accordingly, which affects their ability to excrete waste. And the minerals and bigger particles in currently available commercial liquid diets—designed to mimic diets in the wild—tend to settle out of solution. “This is a problem because lorikeets feed on liquid diets by skimming the surface of the liquid,” Angel explains. “And since the food must be changed every day, they often don’t get the portion at the bottom that contains many of the nutrients.”
Lorikeets are among a small group of nectar- and fruit-eating birds that are prone to developing iron storage disease in captivity.
Although some formulations contain gums like agar or carrageenan to keep the various solid elements of the diet in solution, these gums tend to bind up the moisture in the diet, and this can cause hydration problems in the birds.

So Angel and her research team set about developing a liquid diet that would stay in solution, thus providing the birds with more balanced, consistent nutrition. And now, after a year of development and testing in seven pairs of breeding lorikeets, they have achieved their goal: a liquid diet that successfully holds the necessary components in solution. A commercial diet will be made from their formulation, and that’s definitely good news for lorikeets currently living in captivity.

From Applied to Basic and Back Again

But it’s only the first step in Angel’s research. Now that Angel has a lorikeet diet she is comfortable with, she can turn her attention to what for her is at the heart of the matter: an investigation of the mechanisms that have made lorikeets susceptible to iron-storage disease.

To do this, she will solicit the help of fellow animal and avian sciences professor, Dr. Iqbal Hamza, who has conducted considerable research on iron absorption and transportation (see summer 2008 issue of Momentum). Using C. elegans, a common microscopic worm that lives in dirt, Hamza and his research team identified previously unknown proteins that are key to transporting heme, the molecule that creates hemoglobin in blood and carries iron.

While Hamza is interested in the underlying issues of nutritional and genetic causes of iron deficiency, his knowledge, approach, and research results are also valuable to understanding the possible mechanisms involved in iron storage disease.

“Basically, lorikeets’ bodies have gone overboard in absorbing iron,” Angel explains. “They don’t have a protective mechanism against iron toxicity like most animals do.”

In late spring, she and her research team will begin work with approximately 50 blue mountain and green-naped hatchling lorikeets. Born to parents that will all have been fed the diet that Angel developed, the birds will arrive two to three days before fledging...just in time to start feeding on their own and be placed on experimental diets.

The researchers will monitor the birds’ diet and measure the amount of iron absorbed by the birds and stored in their liver over the course of 6 to 18 months. Using research tools developed by Hamza, Angel hopes to identify the genetic basis for the birds’ excessive iron retention.

“In addition to being beneficial to lorikeets, this information could lead to strategies for improving human retention of dietary iron,” she explains. “And that would have a profound impact on human health worldwide...especially in Third World countries where iron deficiency is one of the most critical nutritional issues facing human populations today.”
So wrote Terry Tribbett, who operates a grain, hay, and poultry farm with her husband, three sons, and their wives and children in Denton, Maryland. What could so inspire her to share these words?

The answer is Annie’s Project, a program developed by Ruth Fleck Hambleton, an educator with the University of Illinois Extension. She based the program on her mother, Annie Kohlhagen Fleck, who spent her life learning how to be an involved farm business partner with her husband. She knew...
deadlines, reporting requirements, and tax issues. She did the little management jobs that kept big management jobs under control. She corrected mistakes, and learned from experience.

And she kept records...records that allowed the family to make informed decisions about their business operations. To increase cash flow, Annie sent her husband to work off-farm while she milked cows and kept an egg route in Chicago. Eventually, her records guided them to discontinue an egg laying enterprise, a seasonal turkey enterprise, and the dairy business. Other farmers with larger equipment and more resources could better run the farm, so Annie became the landowner renting to other farmers. She paid expenses, and marketed corn and soybeans.

Annie died in 1997, a wealthy woman.

Annie’s Project was introduced to Maryland audiences in 2008 by project directors Shannon Dill, an agriculture agent with the University of Maryland Extension and director of the Extension office in Talbot County, and Jenny Rhodes, agriculture agent in Queen Anne’s County. “Farming is a family affair,” says Dill, who grew up on a farm. “Women can and do contribute to this industry.”

However, not all farm women are equally prepared for the responsibilities of running an agricultural business. Some come into farming operations by marrying men who happen to be farmers, or
because their spouse or a family member dies, leaving them in charge.

No matter what their background, however, all these women can relate to the mission of Annie’s Project, which is to empower them to be better business partners by networking and managing critical information. “It helps women increase their self-confidence, improve their skills, and find answers, strength, and friendship,” Dill explains.

She and Rhodes initially offered Annie’s Project once a year through a series of three-hour evening sessions over the course of eight weeks. Thanks to a grant from the NorthEast Center for Risk Management Education, they hope to soon offer the program in seven locations in Maryland and Delaware.

With support from Extension colleagues and guest speakers, Rhodes and Dill provide valuable information on the five areas of risk management: production, marketing, finances, legal risk, and human resources. Specific topics range from such computer basics as internet access options, online security, and software programs like Microsoft Excel, QuickBooks, and FastTools to different forms of ownership or property titling and how changes to the Farm Bill may affect business decisions.

According to follow-up evaluations, estate planning topped the list of most popular topics in 2008 and 2009, although all the sessions were well received and motivated participants to make changes in their farm operations.

“This has been an excellent educational program that opened my eyes to many resources available to research every area of farming,” says one woman. “It will help my family in future planning and decision making.” Added another, “There wasn’t a day I didn’t learn something.”

Essentially, concludes a third, Annie’s Project was “the most informative and inspiring class I have ever taken!”

For more information about Annie’s Project, go to http://anniesproject.umd.edu/.

Commitment to Change

According to women who have completed Annie’s Project:

- 100% will or might use computers and software to improve their farm efficiency;
- 97% will or might complete farm financial statements;
- 96% will or might create or update their estate plan;
- 96% will or might write a farm business/marketing plan;
- 90% will or might check their credit report;
- 70% will or might get or change an insurance policy;
- 65% will or might change lease or property titles.
They say that a family that plays together stays together. But what about a couple that studies together? Well, in the case of Amanda Garzio-Hadzick and Zane Hadzick, they marry, graduate Summa Cum Laude with 4.0 GPAs, and share the podium as college commencement speakers. “It was incredibly helpful,” says Amanda. “If one of us was sick of studying during finals week, the other would keep asking questions or offering encouragement to keep studying.”

Amanda and Zane’s mutual support and commitment has resulted in an exciting and successful academic experience...one marked by many “firsts.” The first generation in their families to go to college, they are the first husband and wife team to be chosen as student commencement speakers by the University of Maryland College of Agriculture and Natural Resources. They are also the first husband and wife team to receive the James and Patricia Miller Outstanding Senior Award, which is given to the graduating senior from the College of Agriculture and Natural Resources with the highest grade point average (GPA).

Amanda and Zane’s story dates back to 2001 when they began dating while attending high school in Pennsylvania. After graduation, Zane was briefly enrolled at Penn State University’s Hazleton campus. At the time he didn’t know exactly what he wanted to study so he left school to work in his father’s business.

After Amanda graduated from high school two years later, she enrolled at Kutztown University in Pennsylvania. Believing that Zane could excel in college, she persuaded him to join her. That year, they both earned their first 4.0 grade point averages in college. “We shocked ourselves,” Zane recalls. “We began to feel like college was for us and we could do well.”

The couple’s shared interests and academic goals began surfacing when they were both accepted into the National Student Exchange Program, which makes it possible for selected students to spend time studying at one or more of 200 universities in the United States and Canada. Looking for an opportunity to broaden both their academic and geographic horizons, Zane and Amanda opted for a semester at the University of Hawaii followed by a semester at the California State University, Northridge. It was there that an environmental health class opened up a new world for them.

“All along, I think I had a love for the environment,” Amanda says. “But I never really thought of it as something I would do professionally.”

In 2007, the Hadzicks were offered a Presidential Transfer Scholarship to attend the University of Maryland. Expanding upon their shared interests on campus, they joined the Primannum Honor Society, which is based on academic...
distinction; the Recycle Mania Committee, where they led the charge to increase awareness of the importance of recycling on campus; and the soil judging team, which placed third in the regional competition and fourth nationally.

Both pursued research through the Environmental Science and Policy (ENSP) Honors Program. Amanda studied the survival of *E. coli* in stream sediments at USDA’s Beltsville Agricultural Research Center (BARC)—work that led to her selection by the American Society of Agronomy/Soil Science Society of America as the 2009 Outstanding Senior for Maryland. Zane explored how to use electrical resistivity properties to monitor active hydrological zones beneath the earth’s surface, generating two-dimensional maps of spatial and temporal variability in soils. “I’m excited that my research is important to precision agriculture, since this method is non-destructive,” says Zane, who was inducted into Phi Kappa Phi, an honor society that recognizes academic excellence.

Armed with B.S. degrees in environmental science and policy with a concentration in soil, water, and land resources, he and Amanda are now completing a year of research at BARC. Next step: graduate school, where they will continue to pursue their shared academic goals involving the environment.
Dorn Lab Opens for Nutrition and Food Science Students

Thanks to a generous gift from Henry J. Dorn '53 the instructional kitchen in Marie Mount Hall has been renovated to more appropriately simulate commercial kitchens that future dietitians will face after college. Under the direction of Nutrition and Food Science Department Chair Dr. Mickey Parish, and dietetics lecturer and program director Nancy Brenowitz Katz '00, the Henry J. & Camille J. Schaffer Dorn Kitchen is open! It has been designed to afford students the maximum opportunities in running a commercial kitchen and meets Prince George’s County health codes.

Mrs. Dorn received her MS in Nutrition in 1953 and Mr. Dorn was a 1953 alumnus in Engineering. While on campus in May 2009, he signed a Memorandum of Understanding with the University establishing an endowed account for buying equipment for the NFSC teaching labs. This fund will allow NFSC labs to remain on the cutting edge of technology into the future. Dr. C. Dan Mote, president of the University of Maryland, joined the group for the kitchen tours and expressed his appreciation to Mr. Dorn.

Ms. Brenowitz Katz gave the guests a tour of the kitchen and two NFSC graduate students prepared personalized crepes for Mr. Dorn’s extended family and guests following lunch. The group toured the campus and enjoyed Mr. Dorn’s colorful stories about married veterans’ accommodations when he and Mrs. Dorn were students in the Post World War II period. Additional photos are available at http/nfsc.umd.edu.

Keep Me Maryland
A call to keep University of Maryland students in school

“Keep Me Maryland.” That’s the unspoken plea in the eyes of students who come into the Office of Student Financial Aid seeking a miracle to help them stay in school.

Students are struggling to pay tuition costs. Defaults on the monthly installment Terp Payment Plan increased from an average of 15 per year to more than 165 by March of this year.

Admitted students need help to get to Maryland. Appeals are coming in every day from parents excited to have received news that their student has been admitted to Maryland for the fall, but frustrated that their submitted federal financial aid application does not capture the recent changes in their financial situations.

Even relatively small shortfalls can force a decision to leave school. Beyond tuition, the cost of purchasing books for the year, about $1,000, can be an insurmountable obstacle for many students.

Transfer students from community colleges face unexpected challenges. The additional fees of attending the university are often a shock to the family budget. Tuition at local community colleges, for example, is about $4,000 less per year, and university fees such as $1,600 a year for health service are unexpected expenses that they cannot cover without assistance.

How You Can Make a Difference:

Extraordinary times call for extraordinary action. We are calling on every member of the Maryland family to join with us to protect the dreams of our students and ensure that they stay on track to complete their education. This is an urgent need, and action cannot be delayed.

continued on next page
Give to make a real difference for real students right now. Contributions to the Keep Me Maryland Fund will provide urgent student aid to directly assist students facing the most critical financial challenges. Every gift to this cause, no matter the size, will make a difference in helping to keep our students in school.

This is a time for Terps to band together. This crisis presents an unprecedented opportunity for alumni and friends to reach out to our own. Even the smallest gifts are making a dramatic difference for students in these difficult times. Whatever you can manage to give, we need your help. Here’s an opportunity to make your mark on Maryland.

Gifts of any size will help meet students’ immediate needs:

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<tr>
<th>For a gift of:</th>
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<tr>
<td>$200</td>
<td>Orientation fees for one student</td>
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<td>$800</td>
<td>Health fees for one student for a semester</td>
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<td>$1,000</td>
<td>Textbooks for one student for a year</td>
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<td>$1,600</td>
<td>Health fees for one student for a year</td>
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<td>$3,700</td>
<td>A meal plan for one student for a semester</td>
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<td>$5,400</td>
<td>Campus housing for one student for a semester</td>
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<td>$4,000</td>
<td>Difference in tuition between Montgomery College and Maryland for one student for a year</td>
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<tr>
<td>$8,000</td>
<td>Full tuition and fees for one student for a year</td>
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Please make your checks out to “UMCP Foundation.” On the memo line, please write the scholarship fund that you would like to support (for example, College of AGNR General Scholarship Fund, Keep Me Maryland Fund, etc.). Mail your checks to:

Attn: Director of Development  
1221 Symons Hall  
University of Maryland  
College Park, MD 20742

Please call Brian Magness at 301-405-7733 if you have any questions. Thank you for your support of our College and University!

The first Charles and Judy Iager Scholarship was presented at the Ag Day breakfast to Amanda Heilman, a junior, who is double majoring in animal sciences with a pre-vet focus and agricultural science and technology. A resident of Ocean City, Heilman participates in the College Park Scholars Environmental Sciences program. The lagers were able to watch Amanda participate in the showmanship contests later in the day, while their son, Matt Iager, DVM, served as judge for the dairy portion of the Ag Day student events.
Upcoming AGNR Events

As you receive this issue, the “Best 11 Days of Summer” are less than a week away! Be sure to stop by the Cow Palace at the Maryland State Fairgrounds in Timonium, August 28–September 7 and visit with AGNR faculty, staff, students, and fellow alumni as well as members of the AGNR Dairy Herd that will be at the fair—temporarily away from their home at the Central Maryland Research and Education Center. Help name a newborn calf and learn about the diverse and dynamic programs offered by AGNR.

Dean Wei is pleased to congratulate 4-H youth by presenting trophies for their outstanding accomplishments in the areas of showmanship for every species exhibited at the fair: diary goats, dairy cattle, beef, sheep, swine, dogs, horses, ponies, and rabbits.

Check out the complete and REVISED 2009 Maryland State Fair schedule at www.marylandstatefair.com.

Happy 50th Anniversary to the Maryland 4-H Foundation!

Look for a Foundation representative at your local county fairs and at the expanded educational area “U-Learn Farm” at the Maryland State Fair in the Cow Palace near the AGNR Dairy Herd Exhibit and the Maryland State Fair’s Birthing Center. The Maryland Agricultural Education Foundation, Inc., Maryland 4-H Foundation, Maryland State Fair and the College of Agriculture and Natural Resources are proud partners in this expanded venture!

Mark your calendars and make plans to join AGNR Alumni, Family, and Friends at the following events through the fall.

Sunday, September 20: 4-H Alumni Reunion at the Great Frederick Fair. You don’t have to be a Frederick County 4-H alumnus to come to the first-ever 4-H reunion—no registration required. Free t-shirts for the first 500 at the dairy show pavilion.

Saturday, September 26: AGNR Tailgate. Join Alumni, 4-H Alumni, Faculty, Staff, and Student Friends of AGNR at the Campus Farm three hours before kickoff against Rutgers. The AGNR Tailgate is FREE! Registration preferred—see below.

Need tickets to the game?

Contact The Ticket Office
Phone: 301-314-7070 or 800-IM-A-TERP
Fax: 301-314-4920
Email: terptix@umd.edu

Ticket Office Hours
Monday through Friday, 8:30 a.m.–4:30 p.m., and on game days
Always open at umterps.com
Address
Terrapin Trail #2740
Comcast Center
College Park, MD 20742

Saturday, October 3: 4-H Awards Gala at the Samuel Riggs IV Alumni Center on campus. Celebrate the accomplishments of 4-H Youth and Volunteers. Reservations and payment in advance required. Contact information below.

Saturday, October 10: AGNR Open House at Clarksville Facility. Come join the family fun from 10 a.m.–3 p.m. Take a wagon tour of the facility and learn what researchers and educators across Maryland are doing to meet environmental challenges while providing a safe and abundant food supply. Activities and great information for all ages! FREE! Food will be on sale from AGNR Student Clubs.

Saturday, October 17: Homecoming. Join AGNR Alumni, Faculty, and Staff at the Samuel Riggs IV Alumni Center for pre-game festivities. AGNR will feature information and activities focused on Backyard Habitats.

For more information and registration:
Gail P. Yeiser
Assistant to the Dean for Alumni & External Relations
gyeiser@umd.edu
301-405-2434
AGNR Alumni—Let us Hear from You!

Name: First______________________ Middle___________________ Last _______________________
Maiden or Name at time of Graduation: _____________________________________________________
Degree(s) and date of graduation(s) _______________________________________________________ 
Majors/Specialties ________________________________________________________________
Current professional specialty: _________________________________________________________
Current Volunteer Roles__________________________________________________________________ 
Home Address: ________________________________________________________________________
City____________________________   State ________________________  zip____________________
(is this a new address within the past 6 months?)
Home Email: _________________________________________________________________________
Employer: __________________________________________________________________________
Job Title____________________________________________________________________________
Business Address_______________________________________________________________________
City____________________________   State ________________________  zip____________________
Business Email: ______________________________________________________________________ 
(May we include this on the AGNR and Friends List Serve? ___yes   ___no)
Phones: ____________________home ________________business____________ mobile_______________
News or information that you would like to share with other alumni or Dean Wei: 
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

Please complete this page, detach and return to:

Gail P. Yeiser
College of Agriculture and Natural Resources
1208 Symons Hall
College Park, MD  20742
FAX:  301-314-9146
Email:  gyeiser@umd.edu
Alumni Notes…

John S. “Pat” Neild Jr. ’51 volunteers with three Historic Preservation Societies. He is president of the South Dorchester Folk Museum, trustee of the Dorchester County Historical Society, and president of the Grace Foundation of Taylors Island. He is also a Rotarian and part-time farmer growing grapes, making wine, and hunting and fishing.

Amye Hottel Childs ’56 is a volunteer at the Montgomery County Fair, her church, and at the local hospital and museums. She and her husband, Dan, love to travel. For their 50th wedding anniversary they spent two months in Australia. Their next trip is being planned for the winter of 2010 to South Africa. When they’re not on the road, they reside in Brookeville, MD.

Janet Shank Stiles Fulton ’77, Dairy Science, was featured in the promotional piece for Crop Insurance in Maryland produced by the Maryland Department of Agriculture. Fulton has survived personal misfortune and figured out how to survive the ups and downs of dairy farming. When her first husband died in 2000 she was left with two teenagers and a dairy operation that she has run ever since. She served on the board of directors of the Maryland–Virginia Milk Producers Cooperative for 10 years and was the World Dairy Expo Woman of Distinction in 2006. She has modernized her operation and credits a good education as a tool in risk management strategies.

A blast from the past and staying current with AGNR! Brian Schnebly ’99, Mark Schnebly ’01, Jessica Fritz Little ’00, and April Hall Barczewski ’99 are seen with their 1998 Collegiate Dairy Judging Team coach, the late Dr. J. Lee Majeskie. All four team members are still involved in the agricultural community. Brian works for the American Guernsey Association; Mark is employed with Mid-Atlantic Farm Credit; Jessica is farming with her father Dan Fritz ’70, and April is the University of Maryland Extension Agricultural and 4-H Educator in Cecil County. All four continue to volunteer with the local and state 4-H dairy judging program. The 2009 AGNR Collegiate Dairy Judging team received a travel grant from the AGNR Alumni Chapter from proceeds at the Silent Auction held during the 2009 Awards Celebration. The team will be selected during the Maryland State Fair and travel to Harrisburg, PA, and Madison, WI, for national contests.

Kathleen Lackey Gonzalez ’86, Animal Sciences, is the owner of a small animal practice, Elk Neck Veterinary Clinic, in Elkton, MD. The state-of-the-art veterinary clinic and boarding facility opened in October 2008.

Peter Machado ’06 & ’08, Biological Resources Engineering and Nutrition and Food Science, is a research scientist at the Hershey Tech Center in Hershey, PA. He is primarily working with new technologies and emerging product ideas. He does indeed make “lots of chocolate,” but mostly in lab-scale batches. His largest batch was a 250 lb. batch of chocolate. His experiences during graduate school with Dr. Martin Lo running the tobacco processing plant at College Park were instrumental in landing the job at Hershey when he received his M.S. degree last spring. He and his family are regulars at the Ag Day breakfast and yes, he does bring chocolate to campus when he visits.
The Samuel Riggs IV Alumni Center’s Orem Hall was the site of the 2009 AGNR Alumni Reunion and Awards Celebration. The evening of recognition and celebration began with another successful Silent Auction raising $2,600 to support AGNR Student Clubs and Scholarships. The diversity of items donated made for fierce bidding and everyone found something appealing. Maryland & AGNR “Outstanding in His Field” themed floral arrangements by Robins Nest Florist, Easton, MD, were given as door prizes to the most senior alumnus at each table.

August and December 2008 graduates along with May 2009 graduating students were the special guests of Dr. Cheng-i Wei and the Alumni Chapter. The graduating students were given a copy of Life After School Explained by Cap & Compass—a paperback guide for life after college from the Alumni Chapter.

The accomplishments and contributions of the award recipients were highlighted in a PowerPoint presentation. The PowerPoint and additional biographical information on each recipient can be found at www.angr.umd.edu/Alumni/Awards/index.cfm. Graduating students who were nominated by their departments were also guests of the Alumni Chapter and cited for their outstanding achievements while students at College Park: Institute of Applied Agriculture—Ryan Schultze ’08; 4-year AGNR programs—Jennifer Burgoyne ’09, Monica Fernandez ’09, Brian Hughes ’08, Seliana Kaguamba ’09, Brian Keaton ’09, Jessica Moorefield ’09, Allison Palmer ’09, Rick Paynter
'09, Charlotte Sanford-Crane '09; and Graduate Students—Chad Lawley '09, Andrea Ottesen '08, Lilin Ye '09. The Awards Committee noted the very difficult task they had of selecting winners from a group of tremendously outstanding AGNR students!

Grants to Student Clubs

The following donated a total of 55 items that earned the AGNR Alumni Chapter $26,000 to support AGNR Student Clubs and Scholarships.

Maple Lawn Farms, the Iager Family; Frank Allnutt; Ella Smart; Sheila Brown/Eleanor Droge (Ann Lavigna’s mother); Edwin Remsberg; Milt Nelson; Vicki King; Karel C. Petraitis; Paul Weller; Charles and Judy Iager; Charles Stoecker; Hoober, Inc. c/o Wes Brown; Linda Brown; Bruce and Donna Berlage, Elizabeth Weiss; Ella Smart; Stoecker Farms, Charles Stoecker; Robert & Suzanne Morris; Gary Seibel; Bob Downey; Eleanor Jemanez; Weida Stoecker; North Carroll High School Horticulture Program; Kendra Wells; Judy Majeskie.

Thank you to our generous buyers:

The following AGNR Student Clubs received grants at the 2009 Awards program:

* Alpha Zeta—Agricultural Honor Fraternity: Attend National Conclave & Leadership Training Events
* Animal Husbandry Club—New show supplies to prepare animals for Ag Day
* Collegiate 4-H—Hosting National Convention in February 2010
* Food Science and Technology Club—Conduct “Chocolate Tempering” hands-on activity with expertise from culinary arts school for all members
* Sigma Alpha Professional Agricultural Sorority—Coordinate a speaker series and hold an etiquette dinner for professional development
* UM Equestrian Club—Additional field trips for approx. 60 members
* Collegiate Dairy Judging Team—Participate at national contests
* University of Maryland Soils Judging Team—Travel to national contests (see more on 4th place 2009 National Collegiate Soil Judging Contest team on page 37)

AGNR Establishes Circle of Friends

2009 was the Inaugural Year for the AGNR Circle of Friends Award, which provides recognition to individuals or organizations who may or may not be alumni of the College of Agriculture and Natural Resources and/or the University of Maryland for rendering outstanding service to a particular program within the College of Agriculture and Natural Resources. The Maryland Turfgrass Council and Maple Lawn Farms—The Iager Family were welcomed to the AGNR Circle of Friends.

Several members of the Maryland Turfgrass Council were on hand to be inaugural members in the AGNR Circle of Friends. The Maryland Turfgrass Council is dedicated to the improvement of Maryland’s Turfgrass Industry through teaching, Extension, and research. With over 1,500 members, they established the Maryland Turfgrass Fund in 1997. Today, the fund exceeds $205,000 and is used for instruction, Extension, and research efforts related to turfgrass through providing equipment for classes, scholarships, and extra-curricular educational opportunities for students and conferences. The longstanding industry-based partnership with AGNR is vital to the sustainability of the industry and AGNR programs related to turfgrass.

Maple Lawn Farm—The Iager Family has been an integral part of the AGNR family over the years. Located in Howard County, the original 108-acre parcel was purchased in 1839 by Henry Iager. Today, Maple Lawn Farm is over 1,000 acres and home of prize-winning dairy cattle and “ShoNut” oven-ready fresh turkeys. Their direct turkey sales to the public make them an outstanding example of good neighbors in Maryland’s suburban environment. Maple Lawn Farm is always open to AGNR classes and visitors come
from around the world to see modern farming techniques in an urban/rural interface. Judy Iager ’66 was named 2001 Dairy Woman of the Year by the World Dairy Expo and in 2004 Charles ’65 and Eugene Iager and Maple Lawn Farm, Inc. were named Distinguished Cattle Breeder of the year by the National Dairy Shrine. The family’s support of higher education has resulted in the establishment of the National Dairy Shrine Iager Scholarship for second-year college students in a two-year agricultural college majoring in Dairy or Animal Science; the Eugene Iager Scholarship for dairy youth; and the Charles and Judy Iager Scholarship in AGNR.

A more complete description of each recipient can be found at www.angr.umd.edu/Alumni/Awards/index.cfm.

F. Grove Miller Receives AGNR Medallion of Excellence

F. Grove Miller (right), of Cecil County, is joined by his wife Arlene and grandson Robbie ’09, following the College of Agriculture and Natural Resources commencement proceedings in May. Miller was presented with the AGNR Medallion of Excellence for his longstanding support of higher education and the College of Agriculture and Natural Resources in particular. Dean Wei noted that he met Grove at the Maryland State Fair on his first day of work as Dean. From that first meeting, he has valued Grove’s perspective, counsel, and mentoring related to Maryland agriculture, higher education, and AGNR. A former member of the Board of Regents, Miller stated that “the years serving on the Board of Regents and learning about the University from that perspective held some of the most rewarding experiences of my life.” As Chairman of the Board of the Maryland State Fair, Miller has been a champion of 4-H and AGNR’s expanded involvement at the Fair. He helped establish the Maryland 4-H Foundation and serves as Chairman Emeritus of the Maryland 4-H Foundation Board of Directors. In 2004 Miller was made an honorary member of the AGNR Alumni Chapter. Miller’s grandson was an animal sciences major and has begun a career with Perdue Farms, Inc.
Dr. John Doerr came out of retirement to help AGNR Alumni Board members kick off Ag Day with the annual “Make Your Own Omelet Breakfast.” Members of the Maryland Egg Council, Inc., were also on hand to assist Dr. Doerr and volunteers. New Ag Day aprons were sported by those who assisted the more than 125 guests to work their way through the line and create their own personalized omelet.

Dr. Hopkins had the opportunity to present the scholarship named in his honor to Charles White (standing middle), a Master of Science student in soil sciences. Joining Dr. Hopkins are Dr. Charlie Coale ’59 & ’65 and his wife, Ellen ’58 of Blacksburg, VA. The H. Palmer Hopkins Endowed Scholarship Fund was established by Charles and Ellen Kirby Coale in honor of their former professor, mentor and friend.
Recognition of Alumni

John L. “Jack” King Jr. ’64 was inducted into the Maryland Dairy Shrine in February at the Lynfield Event Center near Frederick.

King grew up in Montgomery County, working on his family’s dairy farm, Meadow View Farm. He was a member of the 4-H Dairy Judging Team coached by Johnny Morris that placed first at Waterloo, Iowa, and he traveled to Europe for the international contest. At the induction program, King thanked the extensive Montgomery County network of Extension leaders and dairy farmers who helped him in his early days. He also thanked his parents whom he described as “humble people who worked very hard and had high expectations. They were the best parents anyone could hope to have.” He also thanked his wife, Vicki, for being “instrumental in supporting his dream of breeding dairy cattle as a third generation dairy farmer.” Many of those who helped him along the way are also in the Maryland Dairy Shrine, including his friend and fraternity brother, the late Marlin Hoff ’67, who with his wife, Kathy, “traveled many trails over 40 years of friendship.”

King graduated from the University of Maryland where he was a member of the Alpha Gamma Rho Fraternity. In 1966 he began the prefix Kinglea, and continued farming on Maryland’s Eastern Shore until 1984, when his cattle were dispersed. In 1988 he moved to Pennsylvania to breed Red and White Holsteins with the Medovue prefix.

King has been a strong supporter of the Maryland Holstein Association, serving on many boards and committees. He served as president and vice president for the Maryland Holstein Association Breed Improvement, and he served on the Maryland PDCA and the Maryland Dairy Herd Improvement Association (DHIA) board. He was also instrumental in getting the Provo, Utah, Dairy Record Management System adopted in Maryland.

King was one of the founding members of the Mason-Dixon Red & White Dairy Cattle Association (RWDCA) and has served in many leadership positions. His dairy breeding has contributed to developing well known sires. His cattle are currently owned in partnership with Dale and Deanna Bendig of Gettysburg, PA. He has bred seven Excellent-rated cows with more than 40,000 pounds of milk.

King and his wife, Vicki, are regulars at AGNR alumni chapter events and supporters of the Silent Auction each year that benefits AGNR student clubs and scholarships. He has three grown children, 17 grandchildren, and one stepson. He is an active 4-H volunteer focusing on dairy cattle evaluation programs across the state.

W. David Thompson ’75 was named one of six Mid-Atlantic Master Farmers. Established in 1927, the Master Farmer program is one of America’s oldest and longest running honors programs. Over 100 candidates are nominated each year in the Mid-Atlantic region. Standards established eight decades ago are still followed in recognizing outstanding management, land stewardship, and community role models.

Thompson is president of Foxborough Nursery, a family-held corporation in Harford County specializing in high-end nursery products. The horticultural plant production and landscape divisions employee 38 people. Thompson combined landscaping, gardening, and Christmas tree farming skills learned as a youth with his University of Maryland ornamental horticulture degree. He and his wife, Marilyn, started the business 31 years ago.
with a $2,000 loan and a nine-passenger station wagon. The Thompson’s two sons, Bradley and Andrew, are both partners in the business. Additional information can be found at www.foxboroughnursery.com/about.htm.

Thompson is president of the Harford County Ag Preservation Board and a member of the county Ag Advisory Board and trustee at their local church. He is a board member of the Maryland Agricultural and Resource Based Industry Development Corporation (MARBIDCO) and past president of the Maryland Nursery and Landscape Association, Mid-Atlantic Nurseryman Trade Show, and the American Conifer Society. He was a member of Alpha Gamma Rho Fraternity while in college and was recognized by the AGNR Alumni Chapter in 1994 for Meritorious Service to Agriculture and Natural Resources. He enjoys sharing horticultural information through the 4-H Green Thumb Club, which he started in 1993 to get young people involved in horticulture projects to benefit the community.

J. Scott Angle ’75 & ’78 was among 100 listed as “Most Influential: Georgia’s Power List,” published in the January 2009 edition of Georgia Trend. The 2009 100 Most Influential Georgians is the 11th such list compiled, spotlighting prominent figures in business, politics, government, science and education—as well those who wield their power behind the scenes. Those on the list were selected by Georgia Trend’s editorial staff. A total of 24 of the honorees—nearly one-quarter of the list—hold elected office, although not all of them ran in 2008. Most of the individuals on the 2009 list are recognizable from previous years, 36 of them were not on the 2007 roster, reflecting significant turnover among the people who keep Georgia moving in one direction or another: Influence can follow diverse paths.

Angle is Dean of the University of Georgia College of Agricultural and Environmental Sciences in Athens. “Under Angle’s guidance, CAES has experienced record enrollment and attracted an unprecedented amount of private donations and external funds to become the leading fund-raising college at UGA. The college has been ranked 4th in the nation for agricultural research for three years running by the National Science Foundation, and has increased its emphasis on environmental studies and research,” according to Georgia Trend magazine.
Appreciation for Colleagues & Fellow Alumni

It is with reflective appreciation that we share the stories of those who have gone before us in the College of Agriculture and Natural Resources. We owe a debt of gratitude to individuals who have followed diverse career paths, and touched thousands of lives, all with the common bond of the University of Maryland and the College of Agriculture and Natural Resources. Sympathy is extended to their families and friends. We are grateful and indeed better people for having these people in our extended AGNR family.

Lynn E. Johnston

Lynn E. Johnston '49, a retired agricultural economist at the Central Intelligence Agency from 1949 to 1980, died on November 21, 2008, from lung cancer and complications of a stroke. Johnston was born in Hagerstown, Maryland and served in the Army Air Forces during World War II. He earned his bachelor’s degree following World War II. During his career with the CIA he received many awards from the agency. After retirement, he frequently consulted for the CIA, including compiling economic research for the “World Factbook.”

He and his wife joined the Lewinsville Presbyterian Church in MacClean, VA, in 1956. He was chairman of the Board of Trustees and served on the Administration Committee. The Johnstons moved to Lake of the Woods in 1989. He was an avid golfer, bowler, and boater. He was a member of the Lake of the Woods Church at the time of his death.

He is survived by his wife of 61 years, Alice Johnston, of Springfield, VA; a daughter, Cindy Meranda of Nebo, NC; and a son, Ed Johnston, of Leesburg, VA; and three grandchildren, Christine Meranda, Tracy Meranda, and Nicole Johnston.

Contributions may be made to the American Cancer Society, Box 27718, Oklahoma City, OK 73123; or the Greenspring Hospice, 7414 Spring Village Drive, Springfield, VA 22150.

Robert Elmer Stansfield

Robert Elmer Stansfield Jr. '54 & '60, a retired Agricultural Extension Agent in Howard County, died April 16, 2009. He was 91.

A native of Howard County, Maryland, Stansfield grew up on a farm near Skyesville. Prior to joining Maryland Cooperative Extension in 1954, he was a farm worker and dairy farm manager. He had also worked in the defense industry. His career with Extension began as a 4-H and agricultural science agent in Frederick County in 1954. In 1962 he moved to the position of Agricultural Agent in Howard County and remained in that position until his retirement in 1979. He served as county chairman of the Howard County Extension staff.

Stansfield took great pride in the home horticultural program he established in Howard County, which provides educational programs for homeowners and commercial fruit, vegetable, and sod producers. He served as treasurer and president of the Maryland Association of County Agricultural Agents. He also served as director of public relations for the Northeast Region of the National Association of County Agricultural Agents and was the Maryland winner for the national organization’s Distinguished Service Award in 1974.

He and his wife traveled extensively after his retirement and their camper was a fixture at tailgates prior to Maryland football games. Stansfield was an avid Terp fan and welcomed many friends to their tailgates over the years.

He is survived by his wife, Ruth G. (Galley) Stansfield. He was the father of Robert E. Stansfield III and his wife, Lek, of Waynesboro, PA; Jo Anne Tucker and her husband, Richard, of Mt. Airy, MD; Nancy J. Doane of Waterford, VA; Betty S. Taylor and her husband, Michael, of Catonsville, MD; and the late Donald N. Stansfield. He is also survived by a sister, Catherine Hart of Westminster. There are 9 grandchildren and 11 great grandchildren.

Memorial contributions may be made to the Memorial Fund of Bethany United Methodist Church, 2875 Bethany Lane, Ellicott City, MD 21042.

Johanna M. Stull

Johanna M. Stull, a former Maryland Cooperative Extension Agent, died April 17, 2009, at Sinai Hospital in Baltimore.
She was 74 and the wife of 50 years to Delegate Paul S. Stull '64.

A native of Buckeystown, MD, Mrs. Stull was a graduate of Mt. Airy High School, and a 1956 home economics graduate of Hood College. She also attended Western Maryland College and the University of Maryland.

Johanna started out her professional career as a 4-H Extension Agent in Garrett County, MD. She went on to teach at both Liberty and Linganore High Schools, and for 22 years she taught at the Church of the Brethren Learning Center.

A member of the Lewistown United Methodist Church, Johanna led a very active life. She was a member of the Frederick Civic Women’s Club, and the Glade Valley Grange, was a past president of the Frederick Homemakers, as well as a member of the Glade Valley Homemakers, Rose Hill Garden Club, both the Frederick County Farm Bureau and Frederick County Farm Museum, the Walkersville Volunteer Fire Department, the Monocacy Quilters, and a 4-H All Star. She was also a great fan of NASCAR racing.

In addition to her husband, she is survived by a son, Greg A. Stull and his wife, Chellie Stull, DVM, of Frederick, MD; her beloved cat, Applebee; and her grand-dog Bryce.

Memorials may be made to Lewistown United Methodist Church, 11032 Hessong Bridge Road, Thurmont, MD 21788, or to the Clayton Lenhart Memorial Scholarship Fund, 312 East Church Street, Frederick, MD 21701.

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Joseph W. Trumbauer

Joseph W. Trumbauer, '65 & '73 retired Agricultural Extension Agent in Somerset County died on May 20, 2009 after a long illness. He was 67.

A native of Batavia, NY, Trumbauer grew up in Chestertown, Maryland and was active in 4-H, the Boy Scouts, and the Chestertown Volunteer Fire Department. He graduated from Chestertown High School in 1960. He received both his B.S. and M.S. degrees in Agronomy from the University of Maryland.

Mr. Trumbauer began his Extension career in May 1968 as an Agriculture and Natural Resources Extension Agent in St. Mary’s County. He transferred to Somerset County in 1971 and served as County Extension Director from 1973-1980. In St. Mary’s County Mr. Trumbauer worked with many agencies and individual farmers to develop a county program for animal waste management and water pollution. He worked with Extension and local veterinarians in conducting livestock health workshops, and established a bull lease program between St. Mary’s County cattleman and the First National Bank. He also helped farmers get financial aid in fighting invasive Johnsongrass on their farms. On the Eastern Shore Mr. Trumbauer was a leader in educating farmers on the use of minicomputers and ESTEL, a pioneer computer network established by Maryland Cooperative Extension. He retired in 1999 after 30 years and is viewed as a true icon among Delmarva area Extension Agricultural Educators. He was a member of Ag Legends, an informal group of educators and industry representatives who played key roles in the no-till revolution of 1970-2000.

Mr. Trumbauer served as president of the Maryland Association of County Agricultural Agents in 1978 and he won a state honor for his personal news column and feature stories in the public relations competition conducted by the National Association of County Agricultural Agents. In 1983 Mr. Trumbauer was presented with a Governor’s Citation for distinguished service and citizenship. His interests included crabbing, fishing, hunting, golf, croquet, and family gatherings.

Mr. Trumbauer is survived by a daughter, Laura Holland of Pocomoke City; a son, Andrew Trumbauer; and former wife and longtime friend, Beatrix Trumbauer of Princess Anne. He is also survived by three grandchildren; a sister, Molly Balog of Severna Park, MD; and brothers, David Trumbauer of Ormond Beach, Fla., and James Trumbauer of Chestertown, MD. He was predeceased by his parents, Kenneth R. and Donna D. Trumbauer and a brother, John Trumbauer, all of Chestertown, MD.

A memorial service was held at the Pitts Creek Presbyterian Church in Pocomoke City. Memorial contributions may be made to the Somerset Ruritans, P.O. Box 28, Princess Anne, MD 21853.
Roscoe N. Whipp

Roscoe N. Whipp '42, retired Agricultural & 4-H Extension Agent and renowned booster of his alma mater, the University of Maryland, died January 21 after a long illness. He was 90.

Whipp truly began his relationship with Maryland Cooperative Extension as a 4-Her involved with the poultry judging program. During the period of 1926–1944 Maryland poultry and egg judging teams had never finished below third at the national contests. Whipp was a member of the national winning team in 1937 and was also high individual. He went on to coach many winning poultry, horticulture, livestock, and dairy cattle judging teams and had the opportunity to travel to Europe with Maryland teams.

His formal employment with Maryland Cooperative Extension began after college. A varsity baseball player for the University of Maryland, he was recruited to play semi-pro ball but chose a career with the University of Maryland as an Agricultural 4-H Extension Agent. The opportunity to work with young people and agriculture became a life’s passion that lasted 66 years.

His legacy is seen in the institutions he helped build and the second and third generation 4-H families furthering those goals. Hired as an agricultural 4-H Agent in Montgomery County, he worked with youth, farmers, and farm organizations to rebuild a 4-H program that had three part-time clubs. In three years he built the program to 13 community clubs and 5 countywide clubs meeting year round, a 600% increase. Whipp recognized that growing interest in 4-H meant an activity site was needed. Using his knowledge of the community, determination and leadership, he organized 4-H members, 4-H leaders, farmers, and community leaders to address the need. The result was a permanent fairgrounds and County Agricultural Center. Working with a committee to purchase land, plan for the site and organize a building plan, it all happened in four years. Over 1,000 people contributed their time to build nine permanent structures on the fairgrounds in one “Big Day,” in June, 1949. 60 years later all the buildings remain in use and the site is a community treasure.

Volunteer development was important throughout his 30-year career. Volunteers helped establish 4-H judging programs in dairy, poultry, livestock, and horticulture. The teams consistently won state and national competitions with members winning trips to compete internationally. These same 4-H leaders helped organize the first 4-H Beef Sale in 1960. Sheep and swine were included a few years later. These were the first livestock sales held at a Maryland County Fair. These sales support charities, and make it possible for youth to go to college and get a financially secure start on life. The 2007 Montgomery County Fair revenue exceeded $500,000.

Whipp built a 4-H program founded on cooperation, honesty, leadership, sportsmanship, citizenship, and consideration of others. Upon his retirement from Maryland Cooperative Extension, he was elected president of the County Farm Bureau. Since 1972 he has held every elected position with the Agricultural Center and County Fair, building a financially sound multimillion dollar showcase for agriculture. Whipp was a historian at heart and in 2007 acted as editor for a hardcover history of The Montgomery County Agricultural Center, Inc.—Fifty-Year History of the Agricultural Center & Fair.

He served as president of the Maryland Association of County Agricultural Agents and was one of three Marylanders elected president of the National County Agriculture Agent Association (1969), and served as editor of the National County Agent magazine (1970). His involvement with the national association provided the opportunity to bring insight to Maryland from across the nation. He never hesitated to call legislators, secretaries of agriculture and governors, to explain and support the best interests of the College of Agriculture and Natural Resources and Extension.

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For more than 60 years he led the men’s bible class at the Rockville Methodist church and served on the Board of Trustees for fifty years. The University of Maryland has recognized him with membership in the Terrapin Club, the M Club Foundation Society, Colonade Society and as a Building Partner of the University of Maryland, Alpha Gamma Rho, Alpha Theta Chapter Wall of Fame. He has also been recognized by the Maryland 4-H Foundation.

Whipp was generous in endowing the chapel built in 1975 at Shady Grove Hospital and the new hospital wing (2005). In 2008 dollars his gifts to UMD and his community exceed half a million dollars. His generous spirit and giving nature set him apart. He was a credit to Maryland agriculture, his Alma Mater, his church, and the community at large.

In April 2008 he was recognized by the professional honorary fraternity of Extension, Epsilon Sigma Phi, with its coveted “Friend of Extension award.

In the nominating citation, Whipp’s colleagues noted that “there is no one who has given as much of himself consistently to Montgomery County Agriculture over the last 66 years and asked nothing in return. His contributions have strengthened agriculture, the University of Maryland, the community, and the people touched through his generosity. He has made a difference that will last for generations.”

In August 2008 he was additionally recognized with the College of Agriculture and Natural Resources Medallion of Excellence, which was presented during his beloved Montgomery County Fair by Dean Cheng-i Wei. Dr. Wei was always greeted with a list of things Mr. Whipp wanted him to know about and they became good friends, sharing meals and long conversations, soon after Wei’s arrival in 2005. Mrs. Whipp and Mrs. Wei have also formed a fond friendship.

At the memorial service held in March at the Rockville United Methodist Church, Dr. William E. “Brit” Kirwan noted that Whipp was “passionate about the University of Maryland and agriculture. Roscoe wasn’t shy about calling me and telling me how to do my job, or suggesting how the football and basketball teams could improve. His advice was based on his passion, and I listened, and learned, especially about agriculture and Extension.”

He is survived by his wife, Connie, and their three daughters, Sherry DeLauder of Montgomery Village, MD, Barbara Covey of Federalsburg, MD, and Arlene Plegge of Gering, NE.

I had the privilege of being a 4-H club member in Montgomery County while Mr. Whipp was still working. It was an honor and privilege to continue the relationship as a colleague and friend until his death. gpy

Larry Whiting

Larry Whiting, a former chairman of AGNR’s department of Information and Publications, died on March 29 in Columbus, Ohio. He was 70. A native of Iowa City, Iowa, he grew up on a farm in Central Iowa and was active in 4-H and FFA. He received his B.A. degree in agricultural journalism in 1962 from Iowa State University. He joined the faculty at the University of Maryland in 1981, and in 1985 he moved to The Ohio State University to become professor of agricultural education and head of communications and technology.

Following his retirement in 2006 he and his wife, Linda, enjoyed spending time on Lake Erie, and he served as the commander of the Columbus Sail and Power Squadron in 2008.

Whiting was a member of the Prince of Peace Lutheran Church of Dublin, Ohio, where a memorial service was held. Memorial contributions may be made to the Central City Community Schools FFA Program, 400 Barber Street, Central City, IA 52214.
Soil Judging Team Places Fourth at National Contest

The soils of the Missouri region are known for being “red, rough, and rocky,” but the University of Maryland Soil Judging Team was up to the tasks of digging in fragipans and scraping soil out of 90 percent rock fragment horizons, finishing fourth at the National Collegiate Soil Judging Contest—their second “final four” placing in two years. They were coached by Dr. Brian Needelman of the Department of Environmental Science and Technology and led to victory by Amanda Garzio-Hadzick, a senior environmental science and policy major, who placed third overall.

Garzio-Hadzick and fellow teammates Anastasia Vinmikova, Hanna Poffenbarger, Samuel Bosco, and Zane Hadzick enjoyed investigating soils formed from chert-rich limestone rocks and culminated their mastery by perfectly describing a remarkable 75 percent clay horizon in their final pit. The team also found fossils embedded in chert, sidestepped a bull, toured a limestone cave, and caught a few “thrown rolls” at the legendary Lamberts Cafe.

Vet-Med Graduate Receives Prestigious Fellowship

Kudos to Melinda Cep, who has been selected for a prestigious American Veterinary Medical Association (AVMA) Congressional Science Fellowship. Cep graduated in May from the Virginia–Maryland Regional College of Veterinary Medicine (VMRCVM), where she pursued the public and corporate track of study. This track attracts students who are not interested in traditional clinical practice, but rather in working for government or private industry…at the U.S. Food and Drug Administration, the National Zoo, or the Centers for Disease Control and Prevention, for example.

The AVMA Congressional Science Fellowship is designed for veterinarians who have good communication skills and want to have an impact on public policy. It involves working on Capitol Hill, reviewing proposed legislation of potential interest to veterinarians, distilling the information, and making recommendations to the AVMA that can be used to develop positions on the legislation.

Although the fellowship is usually awarded to someone with at least a year of “real world” work, the review committee was impressed with Cep’s maturity, interest in public policy, and diverse educational and internship experiences, which included a study abroad program in Chile. “Public policy is Melinda’s passion, and it shows,” says Dr. Bettye Walters, director of the VMRCVM’s Center for Public & Corporate Veterinary Medicine. “I think she really ‘wowed’ the committee.”

One issue that may confront Cep once she begins her fellowship in late August is that of food safety, including the question of whether there should be just one federal agency to deal with all food safety issues.

Teen Entrepreneur to Attend IAA in Fall

Howard County resident Matthew E. Erlandson is not your typical teenager. Despite being diagnosed with dyslexia in the third grade, Erlandson has overcome the challenges posed by the disability…and then some. A recent
graduate of Wilde Lake High School, he is also a successful business owner, having founded Matt’s Lawn Care, a lawn care and landscape business in 2006.

He began with just a residential lawn mower, but soon earned enough money to buy a durable commercial grade walk-behind mower, a landscape trailer, commercial lawn tractor, and a used Ford F-250 truck. This new equipment allowed him to expand his area of operations. Ten customers have signed on with annual service agreements and others use onetime services, such as mulch application or leaf removal, and Erlandson plans to expand his business into a firmly established full-service landscape company.

His enterprising nature has earned him not only cash, but awards and scholarships as well, including the Young Entrepreneur Award from the NFIB Young Entrepreneur Foundation, the Junior Achievement/Ernst and Young’s 2009 Youth Entrepreneur of the Year Award, and a Howard County General Hospital Rising Business Star Scholarship presented at the 15th Annual Committee for Business and Economic Diversity (CBED) Awards Program hosted by the Howard County Economic Development Authority. The award and scholarship money will come in handy as Erlandson begins the fall semester at the University of Maryland Institute of Applied Agriculture.

4-H’er Maps Out Emergency Preparedness Plan for Community

The town of Sharpsburg is a safer place to live thanks to Washington County 4-H’er Seth Marvil, who has advanced the state of emergency preparedness in his hometown.

The 18-year-old’s commitment to community emergency preparedness began when he attended a workshop on the Alert Evacuation Shelter Project at the National 4-H Conference in Washington, DC. He then participated in a three-day Alert, Evacuation, Shelter Training at the University of Maryland, which covered all aspects of emergency preparedness. Discovering that Sharpsburg, like most other towns, had no emergency preparedness plan, Marvil decided to take on the task of developing one as a 4-H service project.

He surveyed officials about the town’s emergency preparedness tools and distributed emergency survival kits to seniors. And then the real work began. Over the course of a year, Marvil collected the coordinates of such landmarks as fire hydrants, transformer poles, historic homes, churches, and cemeteries using a GPS unit and used the data to build a series of 18 digital maps that rescue officials can use in their fire and emergency response.

Marvil’s impressive accomplishments have resulted in widespread recognition for the 4-H All Star. In addition to presenting his results to the town council and county commissioners, he has spoken at the Public Issues Leadership Development Conference, a Geography Night event at George Mason University, the Maryland Day Open House at the University of Maryland, and at the annual Children, Youth and Families At Risk Conference in Baltimore. He also has been honored with a 4-H Diamond Clover award.

But while nice, such accolades are secondary to Marvil, who really just wants to help his community and others like it. “I hope that through the development of my project, Sharpsburg can be used as a model to facilitate the use of the technologies in other small communities that require access to geospatial knowledge for adequate safety,” he says.
Outstanding!
College of Agriculture and Natural Resources

Tailgate
Save the Date!

AGNR Alumni, MD 4-H Alumni, & Friends
September 26, 2009
against Rutgers
3 hours before kickoff at the campus farm!

Go Terps!

Reservations required.
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