

UNIVERSITY *of*

# DELAWARE

[www.udel.edu/udmessenger](http://www.udel.edu/udmessenger)

MESSENGER  
VOLUME 21 | NUMBER 2

## Rising to a new level

### ISE Lab opens

Design promotes  
learning, research  
for 21st century

Dare to be first.







# move into exciting times

Live at Studio Green and enjoy the freedom of independent living filled with an exciting atmosphere and the amenities you enjoy.

We offer apartment-style living with several floor plans to meet your needs. Our range of amenities and exciting events mean you get the most out of your housing experience! Sign your lease today.

- cable, Internet and utilities included
- fitness and cardio center
- surround sound theater
- indoor basketball court
- swimming pool and spa
- gaming center



**studio green**  
student village

**lease  
online  
today**

visit [studiogreenDE.com](http://studiogreenDE.com) phone 866.921.3181



Find us on  
**Facebook**







Don't miss the  
UDAA Insert  
attached  
to page 25

Volume 21 • Number 2 • September 2013

## FEATURED STORIES

### The future of science

4

The brand-new Interdisciplinary Science and Engineering Laboratory is a building designed to educate students as members of the 21st century workforce and to foster research that will impact the 21st century world. Take a look inside.

### Spice up your diet

28

Patients who are instructed to cut back on salt are more likely to stick to that diet if they know they have some flavorful options. That's the idea behind a new class for nutrition and dietetics students, "The Spice Kitchen." Here, the instructors share some tips.

### A dog's best friend

48

Costas Hadjipanayis, a 1994 UD graduate who teaches neurosurgery at Emory University, has been testing a new drug on dogs with naturally occurring brain tumors. His results hold promise for human brain cancer treatment as well.

### Hens come home

54

This year's Alumni Weekend was the biggest yet, with some 5,000 Blue Hens attending the annual celebration. They reconnected with old friends, relived fond memories and got a look at many big changes on campus.

Cover photo by Kathy F. Atkinson

## DEPARTMENTS

### On The Green

News from the campus ..... 13

Research.....30

Athletics.....38

Alumni.....42

Class notes .....64

Photo above by Danielle Quigley: Ag Day 2013



Please recycle this  
magazine.





## WEB EXTRAS

To access web pages and videos, scan the codes below with your phone's camera using a barcode reader application.



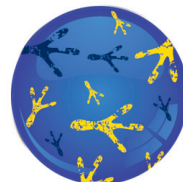
To read accounts of some local businesses helped by UD's Office of Economic Innovation and Partnerships



To view a video showing a new high-tech way to help surgeons treat children with birth injuries



To read about the remarkable success of a UD-Bulgaria partnership that began more than 20 years ago



To connect with other UD alumni



For additional information on athletics at UD

# LETTERS

## FROM OUR PRESIDENT



The longer I'm at UD, the shorter the summers seem to be—fewer weeks of relative calm separating the spectacular end of one academic year and the beginning of the next.

For five years now, the end of the spring calendar has been spectacular indeed. Alumni Weekend brings the campus roaring back to life just six days after most students have left it. This year, 5,000-plus Blue Hens flocked to Newark to reconnect with friends and faculty,

to re-engage with their alma mater and to reinvest in a mission that guides a number of them to this day. It's touching to see UD through the eyes of so many alumni who clearly love the University and the people it's brought into their lives, and who treasure this opportunity to strengthen their Blue Hen bond. Quite a few alums took to social media to express their affection through words and photos (<http://storify.com/udelaware/alumni-weekend-2013>) and to chronicle a homecoming that most thought ended far too soon.

In a weekend filled with reunions, receptions, luncheons, lectures and workshops, it was gratifying that so many alumni queued up for an insider's look at our growing and changing campus. Every tour of our now-open Interdisciplinary Science and Engineering Lab sold out quickly.

The attraction isn't hard to explain. At nearly 200,000 square feet, ISE Lab is the largest academic building project in UD's history. The facility is state-of-the-art, its equipment is the world's most advanced, and extensive sustainability features make the lab the greenest building on campus.

But if ISE Lab itself is a marvel, it's what will happen inside that's most exciting. The building is designed to fundamentally change the way we teach students and to change what we expect of them. This is a learning laboratory, where students will be given real-world problems and challenged to solve them—together. Everything about the design serves this pedagogical ideal. Small classrooms, flexible spaces, movable furniture and adjoining labs—all of it is intended to upend the traditional instructional model that relies on students' passivity, and expose them instead to learning that engages and endures, requiring them to apply their knowledge every day so that it has weight and meaning. Faculty across the University have been working for years on integrated curricula that take full advantage of this problem-based approach to teaching and learning.

This is how you nurture leaders. This is how you develop students' analytical capacity and unleash the inventiveness and creativity they'll need as they confront the great challenges of their time. The ISE Lab is our incubator for student-centered, student-powered education. So the next time you're on campus, I hope you'll stop by the lab for a look at learning in action.

Sincerely,

Patrick T. Harker  
President, University of Delaware



## TO OUR EDITORS

### Editor:

Remember...Many of us from graduating classes in the 1940s and '50s are still around!

Our golf drives are not as long as we wish. The tennis net seems farther away. We can't run as fast as our grandkids, in their 20s, 30s and even 40s. Some of us are using canes and walkers, but our minds are still active, the knees still work, and we



are enjoying a slow leisurely lifestyle.

I encourage other "old" grads to send their news to the *UD Messenger*.

**C. George Green, AG50, 52M**  
The Villages, Fla.

**Editor's note:** We welcome news from all classes for our Class Notes section. (For George Green's latest news, see the Class Notes on page 64.) There are three easy ways to share your news: Send an email to [alumnet@udel.edu](mailto:alumnet@udel.edu); or join the online alumni community at [www.UDconnection.com](http://www.UDconnection.com) and post your news there; or send a written note to *UD Messenger*, 105 East Main Street, Newark, DE 19716. In all cases, please include your graduation year and college or major.

Submit a letter, either by mail to *UD Messenger*, 105 East Main St., Newark, DE 19716, or by email to [TheMessenger@udel.edu](mailto:TheMessenger@udel.edu). Please include your full name, graduation year and contact information. Letters may be edited for length, clarity and style.

## FROM OUR ALUMNI ASSOCIATION



I am honored to begin my service as the 29th president of the UD Alumni Association. A special thanks goes to my predecessor, Darelle Riabov '73, for her leadership and commitment to UD and the board. She has left me with very big shoes to fill, and I look forward to the challenge over the next two years.

During the Alumni Weekend event that featured President Harker's State of the University address, Darelle outlined several recent board accomplishments, and I want to share a few. In 2009, the association created a strategic plan and has implemented numerous changes with that plan in mind. Among the many successes are new annual class activities—from a freshman class banner signing, to the new senior class cap decorating party, and finally the alumni pinning ceremony at Commencement—all designed to make students aware of the association even before they graduate and automatically become members.

The UDAA has implemented an annual open house to increase alumni interest in serving on the board and to keep former members engaged after they "graduate" from board service. And, a variety of volunteer activities have been formalized to allow those board members to continue their involvement with the University.

The association's focus isn't just on campus. The UDAA has increased its financial support to affinity groups such as the Black Alumni Organization and to the many regional alumni clubs. These groups are a great way for alumni to stay connected wherever they live in the U.S.

That's just a sampling of some of the new ideas, and with so many exciting things under way it is a fine time to be a Blue Hen. To learn more about the UDAA, see the insert in this magazine. If you were unable to attend this year's Alumni Weekend, you missed the best one yet. There were over 5,000 alumni and friends in attendance, and more than 2,000 stayed overnight in the residence halls. If you have not yet made it back to campus recently, you owe it to yourself to see what all the excitement is about. With more and more national attention, it is easy to see why Delaware is no longer a well-kept secret.

I'd like to thank the UDAA "Class of 2013" graduating members for their commitment to the board: Anne Giacomma Barretta 83AS, Carle Foster 86BE, Kerry Orendorf Halbedl 02BE, Rita Pesce Hollingsworth 82BE, Doug Motley 00BE and Roger Post 74EH. Anne will serve as our next vice president and Kerry as treasurer.

I'd also like to welcome our new board members. Please see page 62 to learn more about these proud Blue Hens. I look forward to working with the entire board to continue to serve all future and current Blue Hens.

Sincerely,

Kenneth C. Jones 80BE  
President, UD Alumni Association



# The future of

## First-class building welcomes its first students to class

Think about all that has happened in the past two decades—amazing advances in science and technology that span the globe and affect daily life, public policy, world affairs, business operations and American culture.

And, at the University of Delaware, a student body that has increased steadily in size and quality. An ever-growing number of students from around the world who want to enroll in UD's graduate programs. Students who are interested in innovation and expect an education that prepares them to meet the needs of the 21st century workforce.

As the 2013-14 academic year opened, so too did the first new laboratory building on campus in 20 years. It's a building created specifically to address the needs of students and researchers today and into the future.

The Interdisciplinary Science and Engineering Laboratory (ISE Lab) at the corner of Academy Street and Lovett Avenue has already begun serving as a hub of teaching and research at the University. The 194,000-square-foot facility brings together students and faculty from various disciplines to teach, learn and conduct research in a collaborative environment. Research provides content for the curriculum, and students learn through the exploration of real-world problems.

With two wings, one focused on teaching and the other on research, ISE Lab engages students and stimulates excitement about science and engineering. But don't let the two wings fool you; teaching and research happen in both areas, with students encouraged to see the connections.

Inside you don't find large lecture halls; no classroom holds more than 48 students. ISE Lab's four problem-based-learning instructional laboratories feature lab spaces adjoining classrooms so students can discuss a problem and then immediately test a solution. Faculty members have worked to design curricula that optimally utilize these rooms.



The building's eight general-instruction classrooms all include the latest in educational technology and mobile furniture, allowing for flexibility of seating arrangements to suit group or individual work.

The Bob and Jane Gore Research Laboratories will house core facilities for teams of researchers, including an imaging and microscopy suite, a 10,000-square-foot nanofabrication facility and a materials characterization lab. The wing will also house the UD Energy Institute, the Delaware Environmental

Institute and the Catalysis Center for Energy Innovation. These research groups are focused on solving some of the most pressing problems of the 21st century.

Here are a few other things to know about ISE Lab:

- You can smell the coffee and bread as you walk inside. An Einstein Bros. Bagels café is just inside the main entrance, in a lobby area featuring seating for relaxation and study. The building's design incorporates many such common areas to encourage students and faculty to share ideas informally.
- Don't be surprised to see students in the hallways and classrooms who are majoring in humanities or art. Every UD student is invited to spend time in ISE Lab, and classes from any academic department can be held there.
- Research doesn't have to be conducted behind the scenes. The University aims to expose undergraduates to the research taking place in ISE Lab and create opportunities for them to get involved. Large-screen monitors will broadcast actual projects in progress from ISE Lab's specialized research facilities.
- ISE Lab may not be green in color, but it's environmentally green. It was constructed to achieve, at minimum, the standards of the U.S. Green Building Council's LEED Silver designation. This represents a significant investment in environmentally friendly products, equipment and design standards. For example, each air handler is equipped with a heat recovery system, and there are three green roofs. ■



# science

A photograph showing three scientists in a cleanroom environment. They are wearing white protective suits, hairnets, and face masks. One scientist in the foreground is wearing yellow gloves and is working on a piece of equipment. The background is slightly blurred, showing the cleanroom's interior with orange lighting.

Julian Codreanu, UD's Nanofabrication Facility manager, gives visitors an early look at the clean room that will be operating in ISE Lab. With a state-of-the-art design and construction to eliminate most contaminants typically found in the air, the clean room meets the high standards required for nanofabrication, in which even a speck of dust can ruin the research at such tiny dimensions. The new facility is expected to be used by scientists not just from UD but also from other institutions and from industry.

KATHY ATKINSON



## Critical thinking for real-world problems

Deborah Allen taps her fingers on a massive biology textbook sitting on a table in her office. She refers to such tomes as student guidebooks.

"They should make excursions into this, pull what they need and go from there," says the associate professor of biological sciences. The students in introductory biology courses at UD have already learned many of the fundamentals of the subject in high school, and now, Allen says, they need not repeat the basics in college. Instead, what they should be learning is how to think critically.

In her classes, Allen builds critical thinking skills through a method known as problem-based learning (PBL). Traditional lectures by a professor standing behind a lectern are replaced by the presentation of real-world problems to be solved, often by working in groups. PBL promotes inquiry, leading students to formulate their own scientific questions.

"That's really at the heart of science—knowing what's going to be a productive question," Allen says.

This academic year, Allen is teaching her introductory biology class in one of ISE Lab's four PBL instructional laboratories. In each suite, two teaching



KATHY F. ATKINSON

labs adjoin a classroom, separated only by glass walls, so that students can discuss a problem and then immediately move into the lab to test a solution.

The design of ISE Lab, built specifically for such exploratory learning, physically and symbolically shifts the current paradigm. In traditional classroom settings, a faculty member or teaching assistant describes the week's experiment, which students then conduct at a different time and often in a different building.

## Lab designed to engage and inspire student learning

Students, teachers and researchers from a wide range of disciplines are making use of ISE Lab's eagerly awaited classrooms and laboratories. Here, College of Engineering deputy dean Kristi Kiick and College of Arts and Sciences senior associate dean Doug Doren talk about the new building and its DuPont Science Learning Laboratories.

**Q: How essential is it for UD to have additional classroom and laboratory space, particularly for science and engineering classes?**

**Kiick:** The University has faced a shortage of student laboratory space for some time. The additional classrooms and labs in this new building provide much-needed, state-of-the-art space to enrich the education of undergraduate and graduate students alike.

**Q: How does the design of the new building promote problem-based learning (PBL, see article above) and other new and better ways of teaching?**

**Doren:** Classes will be much smaller—48 seats, compared to lectures of 200 or more—but it's not just about

class size. With PBL, students are actively engaged in exploring the material. They get experience in working as part of a team and communicating within a group and to an audience. An important sign of success is that students who have taken PBL courses are more likely to continue taking additional science courses.

**Kiick:** The PBL suites will allow students to work collectively in the learning of science and engineering principles to solve real, complex problems. The proximity of the educational and laboratory space will allow the students to be exposed to high-quality research facilities and activities on a regular basis. Such spaces and capabilities can serve as a focal point for conversation and problem solving, resulting in new interdisciplinary ideas and approaches.



In the new building, classrooms are equipped with the latest instructional technology, including some with 3-D projectors. Using them, students can—virtually—slice into a brain, look inside a molecule, examine geological formations in a stream or travel through an artery, right from their seats.

### Problem-based learning at UD

Since 1997, the University and its Institute for Transforming Undergraduate Education have earned international recognition for expertise in PBL. And now, President Patrick Harker noted in his annual State of the University address in June, the new ISE Lab will be “a temple” to that process, “where professors teach critical thinking alongside scientific content.”

Faculty members have been designing curricula to optimally utilize these rooms, and the first classes got under way as the semester began in late August. The building is a key component in UD’s goal of engaging students in science and fostering their curiosity.

“The problem-based approach asks students not just to cover material, but to uncover it for themselves,” says George Watson, dean of the College of Arts and Sciences and a pioneering advocate for PBL.

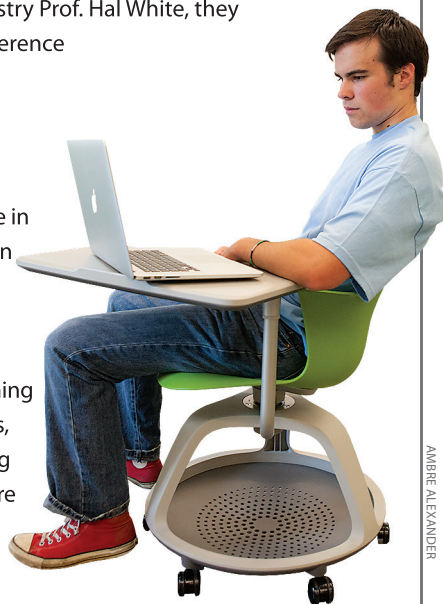
“It elevates the level of discovery in the classroom through engagement with interdisciplinary real-world problems. Students learn how to learn, a key to future

success in their careers, and better to see the relevance and context of fundamental scientific concepts.”

As for students, such as those who have taken PBL-based classes taught by chemistry Prof. Hal White, they definitely notice the difference in teaching methods.

“He sets the stage for us to gain a deep understanding of the material,” a student wrote in an anonymous evaluation of White and his “Introduction to Biochemistry” class. “By putting the onus of learning the material on ourselves, we learn more. By putting us in groups, there is more motivation to learn.”

Another summed up the enthusiasm many students felt: “The only course where the instructor has to tell students to leave when class is over.” ■



AMBER ALEXANDER

Mobile chairs allow flexibility of seating arrangements as students move between group and individual work.

### Q: Why is it important to teach in new ways?

**Doren:** By engaging students in new ways, PBL can help those who often struggle with introductory science courses. In addition, we know that employers are looking for graduates who can work independently, break large problems down into smaller ones and solve them by working in teams of people with a diverse range of skills. The PBL approach develops all of these abilities.

### Q: How do you see students—undergraduate and graduate—benefiting from the presence of research labs in the same building as instructional spaces?

**Doren:** We will integrate research with undergraduate learning by having scientists from the Gore Research Laboratories pose problems for the PBL classes. Data from the research side will also be used to provide examples. We hope this will be inspiring to students and give them a broader context for what they’ve learned in the classroom. We also expect that it will draw them into undergraduate research experiences.

### Q: Do you expect interest from other institutions and/or businesses in some of the new research space and equipment we will have in ISE Lab?

**Kiick:** Absolutely. The materials characterization capabilities that we have on campus have already been a point of interaction with external collaborators, and I expect that this level of external interest will only increase when we expand our research capabilities in the ISE Laboratory.

### Q: If you had to sum up the best thing about this building in a single sentence, what would you say?

**Doren:** ISE Lab is designed specifically to benefit students—building their research skills, allowing them to create knowledge for themselves and giving them the experience of *doing* science rather than just hearing about science.

**Kiick:** ISE Lab is cutting-edge and focused on the future, providing infrastructure that will enable UD to remain competitive in 21st century higher education and research. ■



Clara Chan, assistant professor of geological sciences, expects to make the most of ISE Lab's innovative design and equipment in both teaching and research. A geomicrobiologist, she studies the way in which metal-eating bacteria that produce oxidized iron, or rust, affect the chemistry of water that flows both above and below ground. Chan's interdisciplinary research team includes undergraduate biology major Josh Barnett, who is investigating these iron-oxidizing microbes in coastal environments. Monitors will broadcast selected projects in progress from ISE Lab's specialized research facilities.



# Fabulous facilities enhance 21st century research

From renewable energy to the faster, more energy-efficient next generation of electronics known as spintronics, today's issues are so complex that experts in multiple fields are needed to address them.

UD's ISE Lab, with its spaces organized to foster collaboration among scientists and to involve students in research, marks a new direction for academic facilities facing these new challenges and opportunities. Designed to be a hub for the science of the future, it's a building that will provide the most advanced scientific equipment and laboratory spaces available—a place where innovation and multidisciplinary partnerships are cultivated.

The Gore Research Laboratories will make many scientists resemble kids in a candy store. The wing houses four laboratory suites with some of the most sought-after microscopes and machinery. Most can now be accessed by a larger segment of the campus community, as well as by industry and government partners. Staff experts will be on hand to assist users.

The Gore Laboratories offer specialized facilities for nanoscale manufacturing and the development of advanced materials, and the offices are in an open space allowing faculty members from different disciplines to more easily collaborate.

In addition, this wing of the building houses core facilities for teams of researchers. Following are some of those facilities.

- The W.M. Keck Microscopy Facility assists in the structural and chemical characterization of materials, with a transmission electron microscope that allows researchers to create high-resolution images. The equipment here is particularly sensitive to vibration, so this lab was constructed atop its own foundation, "a box within a box," separated from the rest of ISE Lab to minimize interference.

- A materials characterization lab is used by scientists seeking the true nature of materials. Researchers in this lab will be able to examine the materials' internal structures and properties using such methods as X-ray diffraction, Raman spectroscopy, infrared spectroscopy and mass spectroscopy.

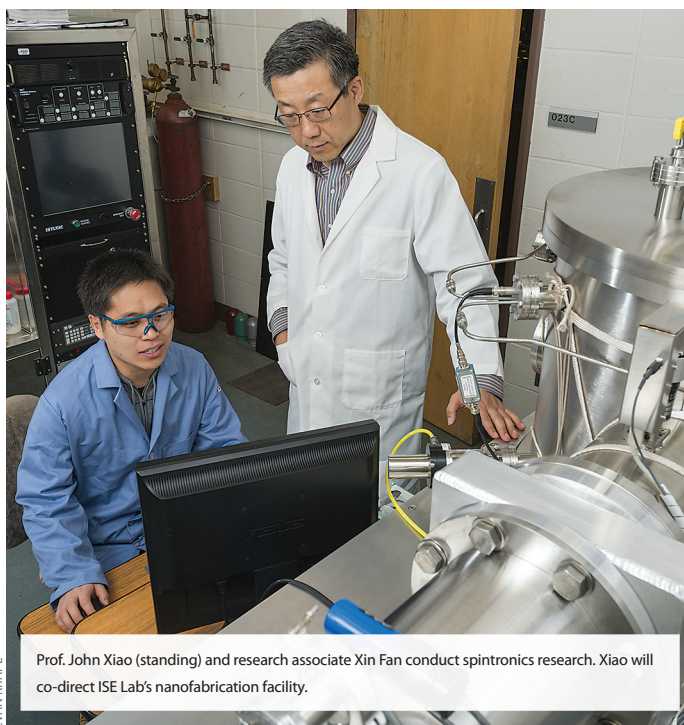
- A 10,000-square-foot nanofabrication facility, including a state-of-the-art clean room where the special design and high air-flow rate allow the kind of nanoscale work in which even a speck of dust has a huge impact. (Nano materials are extremely small; the diameter of a nano-fiber, for example, is about one-thousandth that of a human hair.) Nanofabrication labs are sometimes called the machine shops of the 21st century.

One researcher who will be taking full advantage of the new building's offerings is Michael Klein, director of the UD Energy Institute, one of three research groups making ISE Lab their home base. But, Klein points out, it's not just the scientists associated with those groups who will benefit from ISE Lab.

"There is no single science base to energy," he says, as the institute strives to be a bridge that connects some 250 people across the UD campus who are engaged in energy research. "To develop energy solutions, we need coherent, functional teams."

Energy is also the focus of the University's Catalysis Center for Energy Innovation, where researchers are focused on finding ways to transform plant material into biofuels, useful chemicals and electricity. Dion Vlachos, who leads the center, has high hopes for the new facilities.

"I see the ISE Lab as an incubator that will enhance our research, nurture new synergies on campus and foster opportunities to increase collaborations with industry, both here and across the nation," he says. ■



Prof. John Xiao (standing) and research associate Xin Fan conduct spintronics research. Xiao will co-direct ISE Lab's nanofabrication facility.

EVAN KRAPE



EVAN KRAPE

## ISE Lab dedication to celebrate generous donors

The University is preparing for the formal dedication of the Interdisciplinary Science and Engineering Laboratory (ISE Lab)—one of the most anticipated new facilities on campus—to be marked with a day of special activities on Oct. 17.

The day's events will celebrate not only the teaching, learning and research housed in the groundbreaking new building but also the generous donors who supported ISE Lab's fundraising goal of \$56 million.

Meanwhile, many opportunities remain for alumni and friends to invest in ISE Lab, with more than 100 naming opportunities available.

For more information about supporting ISE Lab, visit [www.udel.edu/iselab/naming](http://www.udel.edu/iselab/naming) or contact Beth G. Brand, associate vice president of development, at [bgbrand@udel.edu](mailto:bgbrand@udel.edu) or (302) 831-2104.

ISE Lab has been supported by corporations, foundations and individual donors. Those include Bob Gore, EG59, 10Hon, former CEO and chairman of the board of W.L. Gore & Associates, and his wife, Jane

Gore, whose \$10 million gift has supported the Bob and Jane Gore Research Laboratories in ISE Lab.

"The prospect of exciting research and an opportunity for more effective teaching is what I see for the future of the ISE facility," Bob Gore says.

"I believe this facility will also encourage cross-disciplinary idea generation and problem solving, a critical need in both academic and industrial settings.

"If a facility can make a difference, the ISE Lab has been thoughtfully designed with that aim. I applaud this rather bold initiative by the University, and it has my enthusiastic support."

Another substantial gift came in 2012, when DuPont contributed \$5 million. In recognition of the company's leadership support, the instructional wing has been named the DuPont Science Learning Laboratories.

"We look forward to engaging the academically diverse and innovative young scientists and engineers who will look to complete their education here," said Thomas M. Connelly, DuPont executive vice president and chief innovation officer.





# Making the connection

## ...why they gave

"Facilities such as this will go a long way in stimulating passion for scientific discovery among University students, encouraging more of our most talented students to pursue technical careers. I'm hopeful that this will help to keep America at the forefront of technical innovation."

—Sheree Fleming, AS79

"We are excited and look forward to the establishment of the state-of-the-art facility for the most advanced research and training."

—Chaoying Ni, EG97PhD, and Yi-Wei Dai, HS98

"As a business leader in the energy industry, I can't think of a more critical area to focus research, and I am committed to what UD can accomplish."

—Robert M. Tullman, EG85

"Innovation is my passion, and I have seen firsthand that developing new inventions does require an interdisciplinary approach. I believe in the ISE Lab and what it can do for the University."

—Raymond L. Sokola, EG76

"The Interdisciplinary Science and Engineering building will serve as a magnet for attracting world-class faculty and highly talented students who will be tomorrow's leaders."

—Donald L. Sparks,  
Unidel S. Hallock du Pont Chair of  
Agriculture and Natural Resources

"The ISE Lab sets up innovative research possibilities by bringing students at all levels into the research environment. It's a concept I've not seen before and I am thrilled to support it."

—Bruce C. Robertson, EG89PhD  
and Terri Robertson

In January, the University received a \$5 million commitment from the Unidel Foundation Inc. to support the building's construction. To help motivate others to invest in the ISE Lab project, the University decided to use this gift to establish a challenge to motivate other prospective donors.

The Unidel Challenge will be in effect during 2013 to provide donors the chance to significantly upgrade their naming opportunity within the building. As long as sufficient matching funds remain during the challenge period, all new gifts to ISE Lab of \$50,000 to \$2.5 million will receive a 1:1 match for the purpose of naming opportunities. For example, a donor who makes a gift of \$50,000 during the Unidel Challenge period will receive a naming opportunity valued at \$100,000.

The recent \$5 million gift is the third grant the Unidel Foundation has given to UD in support of the construction of ISE Lab, bringing its total contribution to this facility to \$13 million.

"Unidel Trustees are pleased to continue support to areas across the University. Unidel hopes that this grant will be matched by others who recognize the significance of the ISE Lab to the quality of teaching and research at UD," said Arno Loessner, secretary/treasurer of Unidel Foundation Inc. ■



Presented by the University of Delaware  
College of Earth, Ocean, and Environment and  
the Delaware Sea Grant College Program



# 2013 Coast Day 37<sup>th</sup> Annual

**Sunday, Oct. 6, 2013  
11 a.m. to 5 p.m.**

**Hugh R. Sharp Campus in Lewes**

Join us for a free, family-friendly celebration of the sea!

Touch tanks • Children's activities • Research demonstrations

Crab cake cook-off • Live music • Ship tours • Much more!



[www.decoastday.org](http://www.decoastday.org)



DOUG BAKER



## New graduates given a celebratory send-off

On a morning marked by wispy clouds in a blue sky, more than 21,000 people—graduates and their families and friends—braved strong wind gusts to celebrate the University's 164th Commencement, held May 25 at Delaware Stadium.

Global humanitarian Dr. Paul Farmer told the 3,600 graduating members of the Class of 2013 that empathy can work with reason to alleviate human suffering at home and in some of the world's poorest countries. The founding director of Partners in Health, Farmer has helped to establish clinics in a dozen countries serving the world's poorest people.

He noted that working in places like Haiti and Rwanda led him to the realization that the social and cultural singularity of each time and place share similarities in terms of the patients and their needs.

"Even the aspirations of our patients—to feel better, to be cured, to be heard, for their family members and getting back to work or returning to school—they are all strikingly the same," Farmer said. "Too many of these aspirations are dashed, not only by serious illness, but by poverty."

While empathy is sometimes seen as an unstable emotion, like pity or compassion, he said, the world and tomorrow's leaders can transform these emotions into something more enduring.

"Can a spark of empathy once ignited, however briefly, lead to reasoned discussions and the compassionate qualities that might transform our world, including the precincts that we live in?" Farmer asked. "I think I can answer that with an emphatic yes."

In welcoming the audience to Commencement, President Patrick Harker lauded the graduates for a rather special quality of character displayed in meeting both everyday and extraordinary challenges in and out of the classroom—grit.

"Grit is unyielding courage in the face of hardship and firmness of mind or spirit," Harker said. "While being gifted might get you the football, being gritty is what gets you—and it—into the end zone."

Also at the ceremony, three distinguished individuals were recognized with honorary degrees, the highest honor bestowed by the University. Farmer was presented the doctor of science degree; Charles F. Hummel, a 1955 UD alumnus and

*"A spark of empathy once ignited...lead[s] to reasoned discussions and compassionate qualities that might transform our world."*

—PAUL FARMER

longtime curator at Winterthur Museum, was presented the doctor of fine arts degree; and Chongshi Zhu, president of China's Xiamen University, which has several partnerships with UD, was presented the doctor of laws degree.

The Class of 2013 presented its class gift during Commencement ceremonies.

More than 1,070 seniors, or about 29 percent of the class, contributed to the \$16,000-plus total, the largest number of participants of any senior class in UD history.

Commencement opened, as always, with a procession featuring alumni from the 1950s through the 2010s representing all UD alumni around the world, a group that now numbers more than 160,000 in 75 countries. ■

—Jerry Rhodes, AS04





## Military glove business gets a helping hand

Textile engineer Frank Masley was working at W.L. Gore and Associates in 2000 when he conceived an idea for a better military glove—one that protects soldiers from fire, water, fuel and germs while also providing warmth and preserving dexterity.

Working in the basement of his home with his wife, Donna, HS85, as his partner, the former Olympic luger came up with the design, which uses Gore-Tex fabric, and even taught himself to sew. But he also encountered roadblocks.

"I was a little bit embarrassed," Masley admits. "I had a degree in mechanical engineering, an MBA and 11 years of experience at Gore, so I felt like I should know what I was doing. But I didn't. Corporate experience doesn't prepare you for being a small

business owner—getting the gloves out there was a hard sell."

Fortunately, Masley had learned about the Delaware Small Business and Technology Development Center (SBTDC) and the Procurement Technical Assistance Center (PTAC), both part of UD's Office of Economic Innovation and Partnerships. Since then, he says, he's taken just about every class offered by the two centers.

The centers helped the Masleys with their business plan and with the government contract process, as well as financial and marketing advice and research on export opportunities. And at the suggestion of Juanita Beauford, PTAC of Delaware director, Masley Enterprises recently became the first business in Wilmington, Del., to take advantage of the Small Business

Administration's HUB Zone Program, which provides incentives for companies to move into low-income, high-unemployment areas.

Since February, the business has been operating in a former mill on the Brandywine River in Wilmington's Eastside neighborhood. The employees, many of whom had never had regular jobs, now report to work in an environment that not only is safe and comfortable but also offers a water view.

"It's a team effort here," Donna Masley says. "We really respect our employees, and they know that." ■

—Diane Kukich, AS73, 84M

To read a longer version of this article, as well as stories of other businesses helped by UD's Office of Economic Innovation and Partnerships, visit [www.udel.edu/udmessenger](http://www.udel.edu/udmessenger).



## Emancipation Semester explores legacies of slavery

Spring semester was also the Emancipation Semester at UD this year, with a variety of events marking the 150th anniversary of Lincoln's Emancipation Proclamation.

Anne Boylan, professor of history, says that focusing on the pivotal document for an entire semester was possible because the faculty has such a breadth and depth of specialization in a variety of subjects that relate to slavery, emancipation and the domestic and global legacies of both.

"The University of Delaware has some renowned scholars on these subjects, not just historians but also experts in literature and public policy and other areas," says Boylan, who also is a professor of women and gender studies and who was instrumental in creating

the Emancipation Semester. "When you look at this larger picture of scholarship that all fits together, we decided to bring it into a semester focusing on emancipation."

President Lincoln issued the Emancipation Proclamation on Jan. 1, 1863, as an executive order declaring that all slaves held in the Confederate states at war with the Union were freed. Because the proclamation didn't apply to border states like Delaware, for example, where slavery continued but which never seceded to join the Confederacy, it was in many ways only symbolic, says Leland Ware, UD's Louis L. Redding Chair and Professor for the Study of Law and Public Policy.

"But it was a very important symbol that may have turned the tide of the Civil War," Ware said in a talk at the Emancipation Symposium in Wilmington, Del., one of the culminating events of the semester.

Other featured speakers at the April symposium were Peter Kolchin, Henry Clay Reed Professor of History, and

Jonathan Russ, associate professor of history. Kolchin specializes in 19th century U.S. history, the South, slavery and emancipation and has written comparative histories of U.S. slavery and Russian serfdom. Russ, who specializes in the history of Delaware and of modern American business, spoke at the symposium about the legacies of emancipation in 19th and 20th century Delaware.

Earlier in the semester, speaker and workshop series on campus featured talks by UD experts including P. Gabrielle Foreman, Ned B. Allen Professor of English, whose lecture concerned the poetry written on clay vessels by a then-slave known as Dave the Potter; J. Ritchie Garrison, professor of history and director of UD's Winterthur Program in American Material Culture, who spoke about black regiments that fought in the Charleston, S.C., area during the Civil War; and Adrian Lopez-Denis, assistant professor of history, who discussed the legacies of abolition in the Spanish Caribbean.

### PBS examines 'The Abolitionists'

In January, PBS aired *The Abolitionists*, a three-part presentation in the "American Experience" series also timed to coincide with the 150th anniversary of the Emancipation Proclamation.

It focuses on five individuals—male and female, black and white—who fought passionately and in the face of danger to themselves to end slavery. It tells their stories through a mix of drama and documentary, interspersed with interviews with noted historians including UD's Erica Armstrong Dunbar, associate professor of Black American Studies with joint appointments in history and in women and gender studies.

"Most of my involvement was in speaking about Frederick Douglass, who in many ways stands as a unique example of the black abolitionist," she says. "He represents the idea that abolition was taken by the actions of very brave and passionate people—not just given" by Lincoln's proclamation. ■

—Ann Manser, AS73



Erica Armstrong Dunbar

Dell recommends Windows® 7.

University of Delaware Students

# Buy a Dell—get a \$200 eGift Card\*.



The power to do more

**Student only offer:** Buy select Windows® 7-based PCs, get a \$200 promo eGift Card\* to use towards an Xbox® 360 4GB or thousands of other campus essentials at Dell.com.



NEW Dell™ XPS™ 13 Ultrabook™

Featuring Genuine Windows® 7 Home Premium

**Dell.com/UDel or 800-695-8133**

Member ID: US16779568

All you really need for college. Windows® 7

\* Promotional Gift Card Offer: Offer contingent upon purchase of eligible product; Promotional card not valid if eligible product is returned for a refund. If eligible product is returned for a refund after the card has been redeemed, the value of the redeemed card will be deducted from the refund amount. Promotional Gift Card ships separately from purchase and typically arrives in 10-14 days via email and carries a 90 day expiration (except where prohibited by law). Terms and conditions apply. See [www.dell.com/giftcard/promoterms](http://www.dell.com/giftcard/promoterms).



## Teachers, advisers in a class by themselves

Eight faculty members have been recognized for outstanding work in teaching and advising, with annual awards that are based largely on student nominations.

This year's Excellence in Teaching Awards were presented to Gary Allison, assistant professor of special education; Thomas Becker, professor of management and chair of the Department of Business Administration; Michal Herzenstein, assistant professor of marketing; and Juejun Hu, assistant professor of materials science.

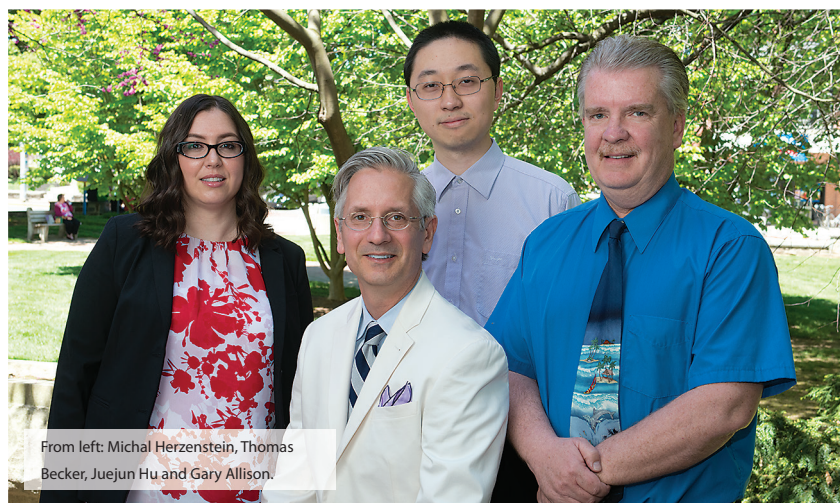
"My general approach is to make the instruction exciting, engaging and memorable," Allison says. "To think that I play a part in the professional preparation and development of UD's teachers, who are, without question, the finest in the region, is beyond gratifying."

Becker says management students need to learn both theory and practice and how to avoid fads in business. "I [also] avoid fads and fashions in teaching," he says. "What works for me is a priority on meaningful learning, rigorous standards, enthusiasm for the topic and genuine concern for students."

Herzenstein strives to teach complex material in a down-to-earth and entertaining way. "I design my courses with the purpose of illustrating to students both the elegance and complexity of the marketing discipline," she says.

Hu views teaching as fun and inventive and says he "draws inspiration from research of my own and others, from everyday life, from the news I read, from the movies I watched and from conversations."

Recipients of this year's Excellence in Advising and Mentoring Awards are Marsha Baumeister, assistant professor of education; Jennifer Buckley, assistant professor of mechanical engineering; Eric Furst, professor of chemical and



From left: Michal Herzenstein, Thomas Becker, Juejun Hu and Gary Allison.

PHOTOS BY KATHIE ATKINSON



From left: Eric Furst, Marsha Baumeister, Jennifer Gregan-Paxton and Jennifer Buckley.

biomolecular engineering; and Jennifer Gregan-Paxton, associate professor of marketing and senior academic adviser.

Baumeister says students are always anxious about starting their student teaching but that "at the conclusion of the experience, they felt confident about beginning a career as an educator, and that was the goal I had hoped each of them would accomplish."

Buckley calls engineering a combination of theory, practice and common sense. "I never think that a student cannot reach a particular milestone, whether it is making a novel design or understanding an engineering concept, and I like to think that my belief in them helps them reach their goal."

In Furst's view, "Mentoring requires an investment in time and energy, but it is the most critical element of a student's education, and an investment that returns dividends far into the future to support our shared mission of education and research."

Gregan-Paxton sees the adviser's role as participating in "one of the most significant and consequential phases of an individual's life" by providing young people with guidance and support as they become adults.

Also honored at the end of the academic year were three doctoral students selected for graduate student teaching awards: Tiffany Racco, studying art history; Furkan Cayci, electrical and computer engineering; and Joseph Turner, English. ■

—Artika Casini, ASOS

# Scientists experience the value of market research



John Cavazos (left) and Marco Alvarez are working on a warning system for traffic congestion.

EVAN KRAPE

Computer science Prof. John Cavazos spent last semester feeling a little frazzled. In addition to teaching classes on campus, the aspiring entrepreneur met with 100 business owners in a seven-week span to learn whether his ideas have commercial potential.

The exercise was part of his National Science Foundation Innovation Corps (I-Corps) grant, awarded through a program aimed at equipping entrepreneurial hopefuls with the skills to successfully start a business and take research ideas from concept to marketable product.

Twenty-one teams composed of academic researchers, student entrepreneurs and business mentors

were selected nationwide for the program in 2013. Cavazos' group earned one of two I-Corps grants awarded to UD. The other went to a team led by Elisa Schrank, a postdoctoral researcher in kinesiology and applied physiology.

The I-Corps program includes an intensive three-day workshop, where participants hear lectures from entrepreneurial leaders and then present their ideas and begin developing business plans. Students serve as the entrepreneurial lead on each team, placing them on equal footing with the grant's principal investigator, while business mentors provide advice and open doors.

A major component of the program, called "Get out of the

building," requires participants to interview customers to understand the market's true needs and determine if their ideas fit the bill.

"They often don't even want us mentioning our technology because the goal is to listen to the customers," Schrank says.

Also key is what Cavazos calls the "pivot moment."

"This is when your business concept evolves and changes based on what the interviews reveal," he says.

Cavazos' I-Corps team includes postdoctoral researcher Marco Alvarez and mentor Ed Henckler, a business strategist from Philadelphia. They plan to develop a system that can detect real-time traffic congestion from surveillance



## "It's not enough to create a great technology that no one cares about."

videos using computer vision techniques and machine learning.

The goal is not to solve the problem of congestion, but rather to give transportation officials the tools to mitigate congestion by getting help to problem areas sooner or by setting up alerts that can slow the flow of traffic toward an affected area before a bottleneck occurs.

Early on, the team met with transportation representatives in Delaware, Illinois and Pennsylvania, in addition to attending a national transportation systems meeting in Tennessee. Cavazos says that even while their product was still evolving, the entrepreneurial experience has already changed the way he teaches and advises students.

"Now when students come to me with an idea, I automatically ask, 'Who are your customers?'" he says.

Schrank's team includes Alex Razzook, a doctoral student in UD's Biomechanics and Movement Science Program, and business mentor Ted Foltyn. They propose a unique manufacturing framework to develop customized ankle-foot orthoses, an ankle brace for individuals with muscle weakness. The technology harnesses the strengths of modern tools, including 3D digitizing and computer-aided design and solid freeform fabrication, to precisely customize and rapidly manufacture prosthetics and orthotics.

Early discussions with manufacturers and clinicians locally and in Atlanta, Florida, Illinois and New

York revealed some challenging hurdles.

"Helping clinicians who take pride in their customization skills see the value in using technology to their advantage without taking away their creativity is difficult," Schrank says. "We are realizing how large the discrepancies are between researchers and an audience who often do their job 'by feel,' and figuring out how to bridge those gaps."

No stranger to the startup world, Razzook received \$4,700 in funding last year from the Hen Hatch, UD's premier business startup funding

competition, for his Mobiletech Orthopedics concept, which featured a patented prosthetic design.

Hen Hatch is part of the Horn Program in Entrepreneurship, funded by Charles W. Horn, AS75, and his wife, Patricia.

Now, Razzook says, he is excited to add tools gained through I-Corps to his skill set as he begins his career.

"If I decide to pursue an idea, I now understand how to research it up front and know before I move forward whether the technology has commercial viability," he says.

"[The program] definitely gives a different perspective. It's not enough to create a great technology that no one cares about." ■

—Karen B. Roberts, AS90



Elisa Schrank and Alex Razzook are developing customized ankle-foot orthoses.

## TOP FACULTY AWARD FOR PSYCHOLOGIST WHO STUDIES INFANTS



KATHY F. ATKINSON

PSYCHOLOGY Prof. Paul Quinn, an internationally known scholar in the field of perceptual and cognitive development of infants, has received the 2013 Francis Alison Faculty Award, the University's highest competitive faculty honor.

The award was established by the Board of Trustees in 1978 to recognize the faculty members who best demonstrate the combination of scholarship and teaching exemplified by the Rev. Francis Alison, founder of the institution that is now UD.

Quinn is widely regarded for his research on how infants perceive the world and appear to classify objects and even faces into categories long before they are able to speak. He has been equally praised for his successful teaching in both introductory and advanced psychology courses and for the research opportunities and mentoring he provides in his lab to undergraduates as well as graduate students.

"We are fortunate to have Paul Quinn as a member of our faculty," says George Watson, dean of the College of Arts and Sciences. "He is one of our most influential researchers, opening important frontiers in cognitive psychology. His work and reputation

have brought attention and recognition to the University of Delaware."

Quinn identifies the "big question" in his field of research as how a baby develops into an intelligent adult. His research, in which he studies the length of time infants spend looking at objects to seek to determine how they are perceiving their environment, contrasts with the traditional view that the concepts humans use to think about the world are products of language and instruction.

"I think our work has shown that at least the initial beginnings of our ability to parse the world into meaningful groupings begins in pre-verbal infants," Quinn says. "Young infants do not experience the world as an undifferentiated bunch of grapes. They have the ability to sort, for example, the cats from the dogs just based on appearance information."

In a letter supporting Quinn's nomination for the Alison Award, an outside researcher wrote that he is "easily recognized as one of the strongest and world-renowned leaders in the field of developmental human cognition, with seminal contributions to the science of how young infants represent information about people, places and things."

Other letters of support came from former UD students, many of them now doctoral students or faculty members in various academic departments of psychology, praising his innovative teaching methods and dedication.

To Quinn, teaching students at all levels and mentoring them in his lab are highly enjoyable aspects of his work. One of the highlights of teaching comes when he can help a student transform his or her thinking and realize: "I can do this. I can do science. I can make a contribution," he says. ■



## 76ERS FRANCHISE AT HOME AT THE BOB

THE Philadelphia 76ers announced in April that its new National Basketball Association D-League franchise, known as the Delaware 87ers or the Sevens, will play its home games at UD's Bob Carpenter Center beginning this fall.

The team will compete in the 17-team NBA Development League, the association's only minor league, whose season runs from November through April.

"Having the Sevens play in the Bob Carpenter Center gives us a great opportunity to showcase the UD campus, and it gives our neighbors a fun, exciting activity they can share with their families," University President Patrick Harker says. "I know the players want to be an engaged presence in the local community, and I look forward to seeing them around town."

Delaware Gov. Jack Markell pledged "a hometown spirit of support as the Sevens build a new basketball legacy for Delaware, for the region and for the sport."

The team is expected to strengthen the Sixers' player development and team initiatives. Its name recognizes Delaware's place in history, as the first state to ratify the U.S. Constitution on Dec. 7, 1787. ■



## ENGINEERING SELECTS ACADEMIC LEADER

BABATUNDE A. Ogunnaike, the William L. Friend Chaired Professor of Chemical and Biomolecular Engineering, was named dean of engineering effective July 1, after a nationwide search.

He is responsible for the academic leadership of more than 130 faculty members in six departments with a total enrollment of more than 3,000 undergraduate and graduate students. Additionally, the College of Engineering is home to a wide range of disciplines that support world-class programs and 14 research centers.

"This is a very important time in history for those of us



charged with educating the next generation of engineers," Ogunnaike says. "With our dedicated and talented faculty and staff, we are well positioned to take our world-class engineering college to the next level.

Together we can create a collaborative culture that will enable us to reach our goals side by side."

Ogunnaike says his vision for the college includes a renewed commitment to excellence through strategic focus on three key engineering enterprises: research, education and entrepreneurship. He plans to increase the college's global reach, financial stability, diversity and engagement with alumni and the community.

Ogunnaike, who joined the UD faculty in 2002, served the college as interim dean from 2011-13. During that time, he worked to develop partnerships with other academic institutions and to strengthen community partnerships with such

organizations as Bloom Energy, U.S. Army Research Laboratory, DuPont and JPMorgan Chase. ■

## HIGH RANKINGS FOR UD SCHOOLS, PROGRAMS

THE newest edition of *U.S. News and World Report's* Best Graduate Schools, released in March, ranks several schools and programs at UD in the upper echelon. Newly rated are the School of Education (ranked 37), College of Engineering (55) and Alfred Lerner College of Business and Economics (69 in the category of top part-time programs).

continued on next page

## COLLECTION REVEALS CIVIL RIGHTS HISTORY



From left: Leland Ware, Susan Brynteson and Evan Echols cut the ribbon on the collection.

KEVIN OUNLAN

A NEW research collection, the Littleton and Jane Mitchell papers, is available at the UD Library in Special Collections.

The Mitchell papers consist of 47 boxes in a collection that will help

University students and faculty, members of the public and scholars from around the world understand the history of civil rights in Delaware and the contributions of leading

pioneers "Lit" and Jane Mitchell to many aspects of community, career and political service in the state.

To raise awareness of the papers as a research resource, an exhibition, "Fighting for Equality: Remembering Littleton P. Mitchell," will be on display through Sept. 30 in the first-floor Information Room of Morris Library.

The exhibit highlights the activities of Mr. Mitchell as a member of the Tuskegee Airmen, his three-decades-long leadership of the Delaware NAACP and his career as a teacher and counselor. Also displayed are items representing the career of Mrs. Mitchell, a 1963 UD graduate, one of Delaware's first African-American nurses and the former director of nursing at Delaware State Hospital. ■

## GRATEFUL STUDENTS CELEBRATE DONORS



Attending the Celebration of Scholarship event are, from left, donors Don Puglisi and Marichu Valencia and students Jenna Byers and Mark DiStefano.

KATHY ATKINSON

SCHOLARSHIP recipients from across the University were able to meet and thank the donors whose philanthropy helped make their educations possible at this year's Celebration of Scholarship event.

Held in May, the annual reception acknowledges and celebrates the generosity of undergraduate

scholarship support at UD and the impact it has, not only on students but also on the institution as a whole.

"Your generosity starts these students on a path to patronage—from beneficiary to benefactor," President Patrick Harker said at the event. The celebration provides the opportunity for donors to share the

stories behind the establishment of their scholarship and for students to express what their scholarship funding has allowed them to accomplish.

Jenna Byers, a junior food and agribusiness marketing and management major and a recipient of the Charles and Patricia Genuardi Scholarship, spoke at the event. "Knowing that someone believes in you enough to invest so substantially in your education and in your future is a huge honor," said Byers, who is the first member of her family to attend college.

Harker also presented the 2013 President's Award for Philanthropic Commitment to donors Don Puglisi and Marichu Valencia. In 2011, the couple gave \$1 million to create the Donald J. Puglisi Music Enrichment Fund and at this year's celebration announced plans to invest an additional \$1 million in the Department of Music as a challenge to encourage gifts from others. ■

The *U.S. News* website also includes rankings of University graduate schools and programs from previous years: biological sciences, 130; chemistry, 60; computer and information sciences, 72; criminology, 16; English, 63; geological sciences, 69; history, 64; mathematics, 76; nursing, 127; physical therapy, 2; physics and astronomy, 77; psychology, 67/doctoral program in psychology, 47; public policy administration, 37; and sociology, 64.

UD also recently was listed among the world's 200 top institutions in four of the 30 subjects featured in this year's

QS World University Rankings by Subject—chemical engineering, agriculture and forestry, environmental sciences and linguistics. ■

### CODING COMPETITION BENEFITS COMMUNITY

A TEAM of students who designed a mobile app, which enables the United Way to provide Delawareans with resources and information about its 2,000 services in real time, won the top award at JPMorgan Chase's Delaware Code for Good Challenge.

UD students swept winning honors at the codefest, where groups from 15 area universities worked for 14 straight hours to create a wide range of innovative applications and technical tools to benefit the community. The first-place team consisted of Michael Balles and McKeighry Tierney, mechanical engineering and electrical engineering students, respectively, at UD, as well as a student from the University of Pennsylvania and one from Rochester Institute of Technology.

UD, whose students also made up the second-place team, had the most participants in the event, with 17 of the competition's 42 top technology students.

"The Code for Good Challenge has allowed JPMorgan Chase to bring together the next generation of technology talent to benefit the Delaware community," says Guy Chiarello, the company's former chief information officer. "We were thrilled with the turnout and impressed by the innovative solutions developed by the students." ■





## ALL WORK, NO PLAY HINDERS EDUCATION

MYAE Han, associate professor of human development and family studies, is a passionate supporter of play.

"Work and play are not opposite," she says. "They mutually support each other. Play reduces work stress and increases positive climate, team building and cooperation."

In March, Han was able to bring a joint national conference to Delaware, "Play as a Pathway," which drew researchers from 12 countries and 24 states, with about 150 people in attendance. The key message was that play crosses multiple disciplines, including education and health sciences.

"There's more focus on standards and testing in education now," Han says. "Teachers feel a lot of pressure to design their curriculum around structured learning. They are afraid that playtime, be it recess or art projects, will hinder learning. But there is a lot of research that validates the importance of play. Play provides psychological, social and medical benefits that all support academic improvement."

Conference presenters discussed the benefits of incorporating play throughout a person's life span and the detrimental effects of recess deprivation and overuse of electronic devices. ■

## STUDENTS MODEL GLOBAL SKILLS AT CONFERENCE

THE delegates of HenMUNI, the inaugural Model United Nations Conference at UD, had a busy weekend in early March. By Sunday afternoon, major world capitals had been bombed, leaders kidnapped,

diplomats executed, nuclear warfare waged, vaccines globalized and hostage situations resolved.

More than 350 students from 17 high schools acted as delegates from around the world in the mock U.N. session, debating and reacting to real and hypothetical international issues.

"It's a great learning experience for high school students," says Max Kramer, then an Honors Program senior majoring in political science and economics and the secretary general of HenMUNI. "The conference

gives them a chance to refine their debating and negotiation skills and to practice their leadership skills."

HenMUNI resulted from almost two years of planning and began as a text message. Kramer was looking for ways to make a difference and implored his friends to help with the succinct plea, "Big things happening."

He and six fellow students organized the event and became the secretariat of HenMUNI. They recruited 125 other UD students to facilitate the conference. ■

## LEADERSHIP AWARD FOR MCNAIR SCHOLAR



KATHY E. ATKINSON

N'KOSI Oates, now beginning his senior year at UD as a communication and political science double major and a member of the McNair Scholars Program, spent the summer conducting research at Columbia University with the support of a prestigious Leadership Alliance award.

Students selected for the Summer Research Early Identification Program

receive research training from a faculty or research mentor at a participating Leadership Alliance institution. While researching possible graduate programs, Oates became interested in the work done by Dorian T. Warren at Columbia and contacted the professor, who quickly agreed to be his summer mentor.

Oates is the second UD McNair Scholar selected by the Leadership Alliance to receive a summer research award; Shantel Campbell previously completed her summer research at Stanford.

"I am very grateful for this opportunity," Oates said when his selection was announced. "This experience will provide me with insight into which program I want to pursue in graduate school. It's an honor that one of the professors I have admired will take me under his wing and will provide me with his guidance and mentorship." ■

## National scholarships recognize exceptional students



Ryan Leonard



Peter Attia



Douglas Kenny



Juliette Maas

Each year at UD, undergraduate and graduate students are selected for a variety of competitive national awards to support their continuing work. This year's top recipients, all University Honors Program students, include a Truman Scholar, two Goldwater Scholars and a Boren Scholar.

**Ryan Leonard**, a double major in political science and history, was one of 63 new Truman Scholars chosen in 2013 from a pool of 629 national candidates. The federal scholarship provides \$30,000 for graduate study and is awarded to juniors with demonstrated leadership potential and a strong commitment to public service.

Leonard is the 12th UD student to win the award in the past 20 years, and the 18th Truman Scholar in the University's history. He plans to use the award to pursue a law degree, with a long-term goal of advocacy and improved education policy in the Middle East. This interest stemmed from his experience as president of the University's mock trial team and a sophomore year study abroad trip considering politics in Tunisia, during the height of the Arab Spring movement.

Two graduating seniors earned top honors from the Barry M. Goldwater

Scholarship and Excellence in Education Foundation, considered the premier undergraduate award of its kind. **Peter Attia**, a chemical and biomolecular engineering major, and **Douglas Kenny**, a chemistry and biochemistry major, were among 271 Goldwater Scholars selected this year from 177 institutions nationwide.

The program aims to inspire outstanding science, technology, engineering and mathematics (STEM) students to pursue STEM-related careers. The award provides recipients up to \$7,500 per year toward tuition, fees, books and room and board costs.

Attia, who conducted undergraduate research on novel applications for thermoelectric materials, plans to pursue graduate studies in chemical engineering or materials science. Long term, he aspires to develop materials for water purification and energy.

Kenny, who is planning for a career as a professor, conducted research at UD on synthesizing a variety of small bacterial cell-wall fragments that can be used in studies related to the activation of the innate immune system. The research has benefits in better understanding the causes of inflammatory bowel disease. For the past two summers, he also worked at

Brookhaven National Laboratory on a variety of research projects related to the metabolism of bioenergy crops.

**Juliette Maas**, who is majoring in history and Latin American and Iberian studies with a minor in African studies, was named a 2013 Boren Scholar. This National Security Education Program scholarship provides up to \$20,000 to support undergraduates studying in areas of the world that are considered critical to U.S. interests and that are underrepresented in general study-abroad programs.

Maas will spend this academic year in Tanzania studying Swahili. Although not a language major at UD, she says her numerous previous study abroad experiences have convinced her that language immersion is the ideal way to learn history and culture.

Nationally, Boren Scholars represent a variety of majors and areas of study, but all are interested in studying less commonly taught languages, including Arabic, Korean and Russian. They are expected to plan careers that contribute to national security interests, broadly defined to include such topics as sustainable development, environmental degradation, global disease and hunger, population growth and economic competitiveness. ■



# SAVE the DATE!



Homecoming Week 2013:

**October 7–12**

[www.UDconnection.com/Homecoming](http://www.UDconnection.com/Homecoming)

**Dawn Elliott**, professor and director of UD's biomedical engineering program, has been elected to the American Institute for Medical and Biological Engineering College of Fellows for her research on intervertebral disc degeneration, joining about 1,000 elite bioengineers who rank among the top 2 percent in their field. She was also recently named a fellow of the American Society of Mechanical Engineers.

**Carla Guerrón Montero**, associate professor of anthropology, has received a Prometeo Fellowship, a competitive flagship program of the government of Ecuador, to study nutritional anthropology in a rural community there with the ultimate goal of establishing policies to promote children's health.

Three faculty experts were selected to join colleagues from around the world at the Salzburg Global Seminar in Austria this year to discuss solutions to global challenges. **Matthew Weinert**, associate professor of political science, participated as a Presidential Fellow in the June seminar "LGBT and Human Rights: New Challenges, Next Steps"; also a Presidential Fellow, **Dawn Fallik**, assistant professor of journalism, lectured and participated in discussions with journalism faculty and students at the Salzburg Academy on Media and Global Change in July and August; and **Carolee Polek**, associate professor of nursing, received a UD fellowship to attend "The Drive for Universal Health Coverage: Ensuring Greater Access to High-Value Care" in December.

**Donald L. Sparks**, S. Hallock du Pont Chair in Soil and Environmental Chemistry, has been appointed chair of the U.S. National Committee for Soil Science, which advises the National Academies on issues related to soil science and is the formal representative of the U.S. soil science community to the International Union of Soil Sciences.

## HONORS & ACHIEVEMENTS

**Millicent Sullivan**, assistant professor of chemical and biomolecular engineering, whose research addresses challenges in how medicines reach and enter malfunctioning cells and tissues, was one of 23 young investigators nationwide selected to present at the 2013 Georgia Tech Frontiers in Bioengineering Workshop, which brings together the world's leading bioengineers to discuss cutting-edge research and long-term challenges.

**James M. Brophy**, Francis H. Squire Professor of History, has been awarded a senior fellowship by the Institute of Advanced Studies of Central European University, Budapest, Hungary, where he will be in residence from January to June 2014.

Lead researcher **Anne Morris**, professor of education, and other faculty members in the Mathematics Education Undergraduate Program for Elementary Teachers received the 2013 Wisniewski Teacher Education Award from the Society of Professors of Education for developing an innovative system that implements and encourages the use of research-based collaboratively developed lesson plans.

**Doug Tallamy**, professor of entomology and wildlife ecology and an expert and advocate for biodiversity in suburbia and home gardens and the use of native plants, received the Garden Club of America's Margaret Douglas Medal for notable service to the cause of conservation education.

**Janice Selekman**, professor of nursing, received the 2013 Barbara A. Larson Humanitarian Award from the Society of Pediatric Nurses for her contributions

to the field. She has spent her career teaching future nurses and has received numerous awards for her work in the field of school nursing.

**John Rabolt**, the Karl W. and Renate Böer Professor of Materials Science and Engineering, and **Bruce Chase**, a research professor in the Department of Materials Science and Engineering, who co-developed the new technique Fourier Transform Raman spectroscopy, received the Innovation in Materials Characterization award from the Materials Research Society.

**Alice Ba**, associate professor of political science and international relations and director of UD's Asian Studies Program, was selected to join a team of U.S. scholars who traveled to Japan to facilitate discussion and partnership between the two nations through the Invitation Program for U.S. Experts on Asian Affairs, launched by the Japan Foundation Center for Global Partnerships.

**William Matthaeus**, professor of physics and astronomy, has received a Fulbright specialist award to teach at the University of Buenos Aires, where he will instruct an intensive course this September on hydrodynamic and magneto-hydrodynamic turbulence for graduate students and will deliver a seminar for professors and teaching assistants.

**Ann Eden Gibson**, professor emerita of art history, was awarded the Georgia O'Keeffe Museum Research Center Book Prize for her 1997 book *Abstract Expressionism: Other Politics*, chosen for its significant contribution to shaping current thinking about the arts that did not necessarily receive recognition at the time of its publication. ■



# IMAGINE

what you could do with your  
special savings on auto insurance.

**Upgrade to an ocean view room, buy your monthly commuting pass, donate to your favorite charity...whatever moves you most.**

As an alum of the University of Delaware, you could **save up to \$427.96\*** on your auto insurance with Liberty Mutual. You could also enjoy valuable discounts tailored to the way you live today and save even more by insuring your home as well.

Responsibility. What's your policy?



CONTACT US TODAY TO START SAVING		
CALL	1-800-834-9715	Client # 112858
CLICK	<a href="http://www.libertymutual.com/udel">www.libertymutual.com/udel</a>	
COME IN	to your local office	



AUTO | HOME

This organization receives financial support for allowing Liberty Mutual to offer this auto and home insurance program.

\*Discounts are available where state laws and regulations allow, and may vary by state. To the extent permitted by law, applicants are individually underwritten; not all applicants may qualify. Figure reflects average national savings for customers who switched to Liberty Mutual's group auto and home program. Based on data collected between 1/1/2012 and 6/30/2012. Individual premiums and savings will vary. Coverage provided and underwritten by Liberty Mutual Insurance and its affiliates, 175 Berkeley Street, Boston, MA. © 2013 Liberty Mutual Insurance.



# No salt? No problem



Cloves, the dried flower buds of a tree native to Indonesia, offer a number of health benefits, including antibacterial and anti-inflammatory properties. Cinnamon, which comes from the inner bark of a tropical evergreen tree, is a natural way to control blood sugar. Saffron, harvested by hand from the stamen of the crocus plant, is one of the world's most expensive spices.

These were just a few of the facts offered by instructor Laura Masullo during week seven of "The Spice Kitchen: Taste the Flavor," a new one-credit course offered last spring at UD. Masullo, who completed her master's degree in nutrition in May, tosses up ingredients and tosses out spice trivia as she teaches students how to make "flavorful swaps" by substituting spices for salt in daily food preparation.

During the week in which cloves took center stage, the students learned how to make braised lentils, spiced saffron jasmine rice and autumn apple brew. The recipes are all prepared using methods that reduce fat as well as sodium.

The brainchild of Marie Kuczmarski, professor of behavioral health and nutrition,

the course is aimed at helping people become more knowledgeable about spices and their potential health benefits.

"Current dietary guidelines emphasize the need to reduce dietary sodium for better health," Kuczmarski says. "But if you're going to take out the salt, you'd better add some flavor to your food in other ways."

If nutrition and dietetics students learn how to prepare such dishes, the expectation is that they will pass those healthy cooking techniques along to their future clients.

"While registered dietitians are well aware of the need to reduce dietary sodium, they're not necessarily culinary connoisseurs," Kuczmarski says. "I think it's important that we not only advise people to cut back on salt but also provide them with specific ways to do that without sacrificing taste."

The course was first taught in fall 2011 in the departmental food lab, which has six cooking stations and is equipped with a mirrored demonstration table. The 14-week class consists of four presentations and 10 spice labs, with



## FOR CREATIVE COOKING, SPICE IS NICE

Organizers of UD's "The Spice Kitchen" class offer these tips for adding flavor to low-salt and low-fat foods, adapted from the McCormick and Co. website for cooks.

❖ Ground spices release their flavor more quickly than whole

spices. Ground spices such as ground thyme or ground cumin can be used in recipes with short cooking times or can be added near the end of cooking for longer-cooking recipes.

❖ Whole spices need a longer time to release their flavor. They

work well in longer-cooking recipes like soups and stews.

❖ Robust herbs such as sage, thyme and bay leaves stand up well in long cooking while milder herbs like basil, marjoram and parsley can be added at the last minute for best results.

❖ To double a recipe, increase spices and herbs by one and one-half and then taste before deciding whether to add more. In most recipes one and one-half times the seasoning will be enough.





Students in the class try out new seasonings



different students given the opportunity for hands-on cooking experience each week.

Kuczmarski and graduate student Elisabeth Jones conducted a detailed evaluation of the course on a sample of 18 students during its inaugural semester and reported their results in a paper published in *Creative Education* in 2012.

Their overall conclusion? A culinary class focused on spices can enable college students to learn approaches to healthy, flavorful cooking.

“Most of us are aware that food consumed in restaurants typically contains more sodium, fat and calories than home-cooked dishes,” Kuczmarski says. “However, many people, especially young adults, have limited knowledge and experience cooking with a wide variety of foods as well as with herbs and spices. Courses like this can go a long way toward bringing people back into the kitchen, where they can prepare their own food in healthier ways.” ■

—Diane Kukich, AS73, 84M

### Black Bean and Veggie Salad With Lime-Cinnamon Vinaigrette

Makes: 8 (1/2 cup) servings • Prep time: 20 minutes • Total time: 20 minutes

#### INGREDIENTS

1 large (29-ounce) or 2 medium (15-ounce) cans no-salt-added black beans, rinsed and drained  
4 ounces Cabot 50% Reduced Fat Jalapeno Cheddar, cut into ¼ inch dice (about 1 cup)  
¾ cup diced red bell peppers  
¾ cup diced orange or yellow bell peppers  
1/3 cup chopped red onion  
6 tablespoons olive oil  
3 tablespoons fresh lime juice  
1/2 teaspoon ground cinnamon

#### DIRECTIONS

1. In medium bowl, combine beans, cheddar, bell peppers and onion.
2. In small bowl, whisk together oil, lime juice and cinnamon. Pour dressing over salad, tossing to combine.

This recipe is modified from one on the Cabot Cheese website. For more healthy recipes using creative spices—including a chicken salad with curry and cinnamon and a grilled Indian pizza with turmeric, cumin and mint—visit [www.udel.edu/udmessenger](http://www.udel.edu/udmessenger).



Here is a sample recipe used in the class “The Spice Kitchen.” With lime juice and cinnamon in the dressing, no one will miss the salt.

- ❖ Check the color of your spices to make sure they’re still vibrant. If their color has faded, their flavor probably has too.
- ❖ Store spices in a container with a tight cap, and keep them away from heat, moisture and direct sunlight. Try not to store

them over a stove or near a dishwasher, sink or window.

- ❖ Members of the red pepper family, such as paprika and chili powder, should be stored in the refrigerator to prolong their color and freshness.
- ❖ Avoid sprinkling spices

and herbs directly into a steaming pot, where moisture and heat will cause flavor loss and caking. Instead, measure them into a cup, spoon or bowl before adding to the recipe.

- ❖ Replace container lids tightly immediately after use.

Here’s a guide to the lifespan of spices: ground spices, 2-3 years; whole spices, 3-4 years; seasoning blends, 1-2 years; herbs, 1-3 years; and extracts, 4 years, except for vanilla, which lasts indefinitely. ■



KATHY F. ATKINSON

# Motion analysis holds promise for children with birth injury

Researcher Jim Richards has successfully used motion analysis technology to allow elite figure skaters to explore “what-if” scenarios about their jumping technique. Now, the Distinguished Professor of Kinesiology and Applied Physiology hopes that he and his research team can use a similar approach to guide clinicians in treating children with a specific birth injury.

Brachial plexus birth palsy (BPBP) occurs in about four of every 1,000 births and affects nerve roots in the cervical spine, impacting muscle function in the shoulder and the arm.

Most children recover on their own, but about 30 percent are left with lifelong deficits in arm function that require therapy or surgery. The most severe brachial plexus injuries can cause complete paralysis of the arm.

But the answer to a key question has eluded researchers trying to understand exactly what is going on in the musculoskeletal systems of children with BPBP: Where is the scapula, or shoulder blade, at any given moment, and what is it doing? This information would provide valuable insight into a

child’s specific defects and enable treatments to be tailored to individual patients, as the location and extent of damage to the nerves and muscles vary from one person to another.

The problem, Richards says, is that the movements of the scapula are incredibly difficult to measure.

“Our motion-capture cameras provide us with reasonable data for the lower extremities,” he says, “but the same approach applied to the upper body fails to tell us much about the movement of the scapula.”

He and his team of doctoral students in the Biomechanics and Movement Science program have taken a systematic approach to filling this gap. If they’re successful, it may someday be possible for surgeons to use the UD simulation to explore what will happen if they move a tendon from one point to another in an individual patient.

The team is working with clinicians at Shriners Hospital for Children in Philadelphia on the first stage of the project. Two of Richards’ students, Kristen Thomas and Stephanie Russo,

have collected data on 65 children with BPBP using a motion analysis system.

“We’re fairly confident that we can get accurate scapular measurements under static conditions,” Thomas says. “The question then is: If we put the kids in enough static positions, can we draw conclusions about what happens when they’re moving?”

The researchers’ plan is to build a 3D model to test their early measures and then move on to test a larger pool of subjects. By using the model, they will be able to avoid the need for expensive imaging equipment, Thomas says.

“If it all works,” Richards says, “we’ll be able to go into a clinical setting like Shriners, drop 11 markers onto a patient to find out what’s happening and then do the same after surgery to see what the effects are.”

Ultimately, he envisions clinicians being able to explore what-if scenarios that would enable them to determine how a specific surgical technique will affect a specific patient—and, eventually, to broaden the technique beyond BPBP to other injuries. ■

—Diane Kukich, AS73, 84M



# IN 1965,

## A PIVOTAL VOTE FOR DEMOCRACY

About a dozen years ago, Gary May began conducting research for a book he authored on the 1965 murder of civil rights activist Viola Liuzzo in Alabama. From that point on, he says, there was no question of where his future research would take him.

“Once you ‘go South’ and write about civil rights, there’s no going back,” says May, a professor of history whose new book explores the 1965 Voting Rights Act. “There is no more interesting, no more dramatic, no more important story in American history than the story of the civil rights movement.”

*Bending Toward Justice: The Voting Rights Act and the Transformation of American Democracy* recounts the history of the law that enabled African Americans to overcome the obstacles and policies of intimidation that had effectively stripped them of their right to vote in many parts of the South.

Although the act authorized the federal government to intervene and protect voting rights, May says it came about not so much because of politicians but largely through the grassroots efforts of volunteers—many of them nearly forgotten today.

“What I wanted to do more than anything else was to tell the stories of the unsung heroes,” May says.

The Rev. Dr. Martin Luther King Jr. and President Lyndon Johnson are, understandably, the focus of most accounts of how the Voting Rights Act was created. However, long before 1965—May says even he was surprised to find that the beginnings of the fight went back as far as the 1930s—activists were working to register African American voters in the South and help them exercise their right to cast a ballot.

It wasn’t easy. Local voter registration workers imposed hefty poll taxes and required so-called literacy tests for African Americans that, May says, “a Harvard Ph.D. couldn’t have passed.” Registrars kept irregular hours and refused paperwork if they detected even the most minor kind of error. And would-be voters often feared for their jobs, or even their lives, if they insisted on their rights.

May’s research became particularly timely when a key section of the Voting Rights Act was struck down in a 5-4 U.S. Supreme Court decision in June. Shelby County, Ala., successfully challenged the part of the law that requires



1965 PHOTO: LIBRARY OF CONGRESS

certain jurisdictions to get federal Justice Department approval before they make any changes to their election laws, as a way to ensure that the changes don’t hurt minorities. Attorneys for the county argued that the law has already accomplished its purpose and is no longer necessary.

May says his research convinced him that argument is simply wrong. He cites recent moves in various states to make voter registration more difficult and voting more restrictive.

In her dissenting opinion, Justice Ruth Bader Ginsburg cited *Bending Toward Justice*, and in the aftermath of the ruling, May and his book were widely quoted in the media, including *The New Yorker*, a nationally syndicated column by Clarence Page of the *Chicago Tribune* and an in-depth interview on PBS with Bill Moyers, who called May’s work “a book that could change this country again if every citizen read it.” ■

—Ann Manser, AS73



*“THE VOTING RIGHTS ACT WAS CREATED NOT JUST TO COMBAT POLL TAXES AND LITERACY TESTS BUT ALSO OTHER DEVICES THEY [OFFICIALS] MIGHT COME UP WITH. WE’RE GOING TO SEE MORE OF THIS VOTER SUPPRESSION, NOT LESS, AS WE EVOLVE INTO A MORE MULTI-RACIAL SOCIETY... AND WEAKENING THE ACT IS A VERY SEVERE BLOW.”*



EVAN KRAPE

## Milestone celebrated as electric cars generate revenue

Research at UD, through a project in partnership with NRG Energy Inc., has proved for the first time that all-electric vehicles can give and take power from an electric power grid and get paid for the service.

Located on the University's Science, Technology and Advanced Research (STAR) Campus, 15 vehicles officially connected with the grid in February. Since then, they have operated as a mini power plant, giving and taking electricity on demand.

"It's a certified, registered electric system resource that has all of the legal authority of a power plant," says Willett Kempton, professor in the College of Earth, Ocean, and Environment (CEOE), research director for the Center for Carbon-free Power Integration and inventor of the innovative grid integrated vehicle technology.

The success of the electric vehicle-to-grid technology is an important new tool for stabilizing the nation's electricity supply and developing energy independence, researchers say. Currently in the U.S., as demands on the electricity system fluctuate, large generators ramp up and down quickly

to adjust for the changes and to balance electricity supply and demand.

"We serve that same function," Kempton says of the fleet of electric vehicles. "It's an important service, this balancing service. It's not a new service, but we are doing it in a very different way. Our system responds faster, is less expensive to operate, and it does not burn fuel or create pollution.

"The batteries [in each car] are storage devices, so we can take off excess electricity and we can push back when there is not enough. We are providing a power balancing service rather than power generation."

The electricity stored in the vehicles' batteries is controlled and aggregated by a centralized server.

Kempton's vision for grid-integrated vehicles began in 1997 when he and a UD graduate student published a paper about the technology. After doing much of the initial development himself, Kempton says he realized that his dramatically different plan bridging three industries—automotive, energy and electronics—needed more than academic publications to be realized. It required a dedicated

campaign that included gaining support from the state legislature, changing public policies and building strong partnerships.

To further develop Kempton's technology and assess its technical and business potential, UD's Office of Economic Innovation and Partnerships worked closely with the University's Office of General Counsel to help form a partnership with NRG, one of the nation's largest power generation and retail electricity businesses.

Partnerships have been a hallmark of the project, including collaborations with BMW AG, electric grid operator PJM, automobile retrofitter AutoPort Inc., and Milbank Manufacturing Co. CEOE's School of Marine Science and Policy helped advance necessary public policy changes and supported Kempton's research, and the College of Engineering developed electronics for some of the vehicle-to-grid functions.

"This electric vehicle project is an excellent example of how academic research can foster benefits to both society and the environment," says Nancy Targett, dean of the College of Earth, Ocean, and Environment. ■

—Laura Gleason, AS87



## STUDIES EXAMINE POSSIBLE CAUSES, EFFECTS OF AUTISM DISORDERS

With the alarming increase in recent years of autism spectrum disorders (ASD), researchers are working across many disciplines in search of a better understanding of the condition that is now estimated to affect about one in 88 American children.



At UD, an engineer is proposing a new way to investigate the possible link between ASD and gastrointestinal symptoms, while another recent study delves into the effects that the neuro-developmental disorder has on families.

Prasad Dhurjati, professor of chemical and biomolecular engineering, says that autism has been cited as being linked to gastrointestinal symptoms but that researchers often study the digestive bacteria and other potential causes of autism separately. He wondered if a systems biology approach—focusing on how the parts connect to the whole system—could be used to model the connectivity of key contributors to the development of ASD.

He is working to map out these connections with Myron Sasser, a former UD professor of plant pathology, who studied microbes that cause diseases in plants. Their model proposes a circular relationship between digestive system bacteria, oxidative stress and intestinal permeability.

While it is certain that these aren't the only connections to be made, Dhurjati says, a multifaceted approach and combination treatment to address all factors at once may produce better results and minimize interrelated effects.

"There are many unanswered questions; we are simply raising questions of connectivity from the systems level in hopes of inspiring others to rethink their approach and continue to study this problem from different vantage points," he says.

In another study conducted by a UD researcher, Brian Freedman of the University's Center for Disabilities Studies explored how the challenges of caring, and finding help, for a child with ASD causes family stress.

Working with a team of researchers from Kennedy Krieger Institute and Johns Hopkins University, Freedman first conducted a study examining divorce rates among parents of children with ASD. Despite a common belief that the rates were higher than average, he says, "We did not observe a difference between the

divorce rates of parents of children with ASD and other parents. We also discovered that an increased severity of the autism did not correlate to more marital strife."

That does not mean there is no additional stress, he says. A second element of Freedman's research, conducted in collaboration with colleagues at Loyola University Maryland, examined the relationship of siblings. This study found that siblings of children with ASD reported more challenges in their sibling relationship compared with siblings of children with Down syndrome.

Another source of family stress occurs when children with ASD may exhibit mental health challenges, such as anxiety and aggression. Freedman and his colleagues at Kennedy Krieger and Johns Hopkins found that children with ASD are nine times more likely than other children to visit an emergency room for psychiatric reasons.

"Limited access to outpatient mental health services often leads children with ASD to seek treatment in the emergency room," Freedman says. "Due to the limited availability of knowledgeable providers and a lack of insurance coverage for behavioral health services, these issues may go untreated until they become a major health and safety concern for the family."

Freedman has used the results of this research to develop interventions designed to increase family members' overall quality of life and decrease their stress. ■



Brian Freedman  
meets with families  
to discuss stress.

EVAN KRAPE

## ENGINEERING PROJECTS GAIN HIGH-LEVEL SUPPORT

Two assistant professors of engineering have received Faculty Early Career Development Awards from the National Science Foundation (NSF) to support their research, one focusing on making computer chips more reliable and the other investigating connections between cells and disease and repair in the body.

The NSF describes the program as its most prestigious award to junior faculty.

### More reliable and efficient chips

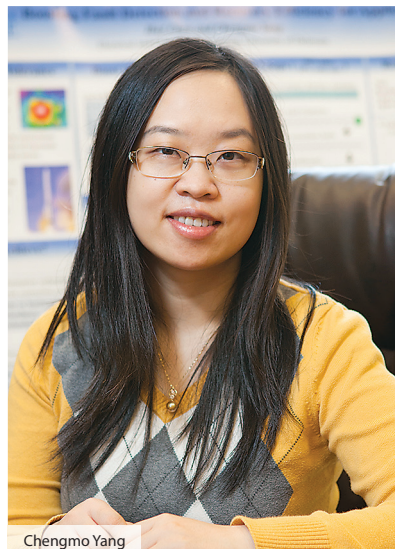
The unending quest for new electronics applications and greater computational power is pushing researchers to produce computer chips that perform better and consume less power. However, as chips shrink—and more devices are placed on each—they become increasingly unreliable, limiting or hampering a system's ability to run lengthy applications.

Chengmo Yang, assistant professor of electrical and computer engineering, will use her five-year, \$449,541 NSF award to develop resiliency solutions that can help computer systems overcome progressively diverse types of hardware failures.

The new funding will enable her to design and evaluate new architectural and system-level solutions to boost resiliency in computer systems and to develop new ways to optimize a computer's performance, energy and reliability.

"Future computer systems are expected to experience continuous faults, across all levels from hardware to software applications, raising critical concerns about the impact of intermittent faults that occur frequently and irregularly," she says.

Previous approaches have included adding system redundancies, such as



Chengmo Yang

having the computer perform a computation twice and comparing results to ensure accuracy.

"Doing the computation twice means double the energy expenditure," says Yang, who instead proposes adapting the execution conditions to improve efficiency while also controlling costs. Her approach includes creating a feedback loop within the system to improve the devices' reliability over time through adaptive "work-arounds."

### Cells, signals and disease

April Kloxin, assistant professor of chemical and biomolecular engineering, will use her \$500,000 NSF award to study the extracellular signals that regulate tissue stability, disease and repair in the body.

Understanding the complex interplay between cells and their external environment is an essential part of designing therapeutic approaches to prevent the progression of disease or to direct tissue regeneration, she says.

"Biomimetic materials—materials that mimic the biology of natural tissue—have emerged as a key tool in understanding the role of extracellular signals in cell behavior," says Kloxin, who will focus her research on pulmonary fibroblasts.



April Kloxin

Fibroblasts are cells that naturally occur within all parts of the body. They produce collagen, which is organized into fibers, and become activated when repair is required—enabling a wound to heal, for example.

"Things become problematic, however, when these cells spontaneously 'turn on' for unknown reasons," Kloxin says.

Once in this state, fibroblasts produce excessive protein and enzymes, break down existing tissue and produce new tissue that is stiff and causes perpetual scarring. In the lung, this process can lead to pulmonary fibrosis, loss of tissue function and ultimately death.

Kloxin plans to create synthetic hydrogels that mimic the biology of natural lung tissue in the laboratory in order to study why and how these cells sometimes activate. ■

—Karen B. Roberts, AS90

**Editor's note:** NSF Early Career awards are announced periodically throughout the year, and UD faculty members are always well-represented. So far this year, awards also went to Erik Thostenson, assistant professor of mechanical engineering, who was highlighted in the last issue of the *UD Messenger*, and Donald Watson, assistant professor of chemistry and biochemistry, whose work will be featured in our next issue.



## MODEL RAISES NEW CONCERNS ABOUT HIV INFECTIONS

SCIENTISTS have long believed that measuring the amount of HIV in a person's blood is an indicator of whether the virus is actively reproducing. Now, a UD-led research team reports new evidence that hidden virus replication may be occurring within the body's tissue, despite undetectable virus levels in the blood.

The findings were reported in the *Journal of the Royal Society Interface*. The lead author, Ryan Zurakowski, assistant professor of electrical and computer engineering, and his research team created a mathematical model to represent how HIV-infected cells reproduce.

Antiviral therapy, he says, suppresses HIV replication in most patients until the concentration of virus in a blood sample is undetectable, but it is unclear whether similar suppression occurs in other tissues such as lymph nodes.

"Our model gives us a way to measure this hidden virus replication, which has not been done before," Zurakowski says. The results imply that current antiretroviral therapies may not be as complete in suppressing HIV as previously hoped.

The team will now look at whether the model can suggest more effective treatment approaches. ■

## GETTING AT THE ROOT OF ARSENIC CONTAMINATION IN RICE



KATHY E. ATKINSON

Two scientists in the Department of Plant and Soil Sciences are studying a bacterium first characterized at UD to see if it could be used to create an iron shield around the roots of rice in order to protect the crop from absorbing poisonous arsenic.

The risks of arsenic in rice were recently highlighted in the national press, when the substance—considered both a poison and a carcinogen—was detected in baby foods. The plant, grown as a staple food for a large portion of the world's population, absorbs arsenic from the environment and transfers it to the grain.

Arsenic may occur naturally in the soil, or it may be a result of environmental contamination. Despite the health risks arsenic in rice poses to millions of people around the world, there are currently

no effective agricultural methods in use to reduce arsenic levels.

Now, Profs. Harsh Bais and Janine Sherrier are investigating a naturally occurring soil bacterium, referred to as UD1023, which was first identified by Bais in soil samples taken from California rice fields.

Their preliminary research has shown that UD1023 can mobilize iron from the soil and slow arsenic uptake in rice roots, but they have not yet determined exactly how this process works and whether it will lead to reduced levels of arsenic in the edible portion of the rice plant.

If successful, Bais says, "The implications could be tremendous. Coating seeds with bacteria is very easy. With this bacteria, you could implement easy, low-cost strategies that farmers could use that would reduce arsenic in the human food chain." ■

## BIOLOGIST ANALYZES POTENTIAL TREATMENT FOR HEMOPHILIA

RESEARCHERS have published a study in the *Journal of Biological Chemistry* that sheds new light on a potential treatment for hemophilia, a rare disorder in which the blood's ability to clot is impaired. Today, more than 400,000 people worldwide are estimated to have the disorder.

Under normal circumstances, when a blood vessel is cut, platelets arrive in seconds and begin sticking together to stop the bleeding, later binding with other proteins called clotting factors.

"When a blood vessel is injured in a person with hemophilia, the platelets, the 'policemen' that are the first to respond, are fine, but some of the clotting factors are either missing or mutated," says Ulhas Naik, professor of biological sciences at UD and a co-author of the study. "Without these clotting factors, the platelets can still form a plug to stop the bleeding, but it takes longer to build and is not as strong."

He and Temple University's Satya Kunapuli are studying the drug Fucoidan and have confirmed that it works by activating blood platelets rather than replacing or amping up a specific clotting factor. The drug has shown promise in decreasing bleeding and clotting time for people with hemophilia and is now in clinical trials. ■

## AFRICAN CHICKENS MAY HELP HATCH A BETTER BATCH

CARL Schmidt has visited Uganda and is eyeing trips to Brazil and Central America, all in search of the genetic secrets that might help chickens cope with heat stress as the world's climate changes.

Schmidt, associate professor of animal and food sciences at UD, traveled to Uganda last fall as a member of a team that also included researchers from Iowa State and North Carolina State universities to collect genetic samples from African chickens. The goal was to compare and contrast their genes with one another, and also with American broiler chickens, to gauge how the two species' genetic makeup helps them, not only in handling heat stress but also in their susceptibility and resistance to different diseases.

The research trip was part of a five-year, \$4.7 million National Institute of Food and Agriculture climate change grant for a project titled "Adapting Chicken Production to Climate Change Through Breeding."

The scientists gathered more than 100 samples of chicken DNA from what Schmidt calls "backyard flocks" in different regions of Uganda as well as from a line of chickens imported to



Africa from India. They also collaborated with the International Livestock Research Institute, which gave them access to samples the institute had collected from chickens in Kenya.

Once the African samples were obtained, researchers at North Carolina State began processing the DNA. When that task is completed, Schmidt will work at the Delaware Biotechnology Institute to handle the sequencing of the genome and the bioinformatics. Next on the schedule is a similar trip to Brazil.

Schmidt says that diet and many other variables might have an impact on genetic differences between American chickens raised in a production facility and the African chickens that roam freely. While American chickens are raised in relatively sheltered conditions, he says, their African counterparts are exposed to more diseases. ■

## SEA ICE TEAM GOES TO EXTREMES TO MONITOR MELTING

SCIENTISTS and engineers from UD have braved freezing temperatures and high winds to study changes in Arctic sea ice, in a program led by the U.S. Naval Academy.

The remote field site was a frozen expanse of the Arctic Ocean along the northernmost shoreline of Alaska. "It's not often you get to stand on the ocean," says Cathleen Geiger, research associate professor of geography, but that's what she and her team did during 15 days in March.

The researchers measured sea ice using cutting-edge technology to quantify shifts in this dynamic environment, where seawater freezes in the winter and melts in warmer months. Warmer annual temperatures are increasing the amount of sea ice melt each year, opening



previously ice-blocked areas to travel through the Arctic Circle—which government officials have raised as a national security concern.

Geiger, who has been studying sea ice since the 1980s, says the amount of sea ice that forms annually is effective for monitoring climate change. “Sea ice works like a genuine bellwether,” she says. “It will recover very quickly if the planet starts to cool down again.” ■

### EVOLUTION MAKES HUMAN RACE A WORK IN PROGRESS



BUNIONS bothering you? How about lower back pain or impacted wisdom teeth? As we humans evolved over

the millennia to walk on two legs, grow larger brains and shorter jaws, bear big babies and live longer, we’ve also experienced some negative consequences on our way to becoming the world’s most successful primate.

But keeping our evolutionary history in mind can help us better deal with issues from obesity to difficult childbirth in a much more productive way, says Karen Rosenberg, professor of anthropology. She co-organized and spoke recently on the “Scars of Human Evolution” panel at one of the largest scientific gatherings in the world—the 2013 annual meeting of the American Association for the Advancement of Science.

“We need to understand our evolutionary history in order to understand why we have some of the maladies that we have,” Rosenberg says. And, she notes, the word “evolve” does not mean we are moving toward perfection.

“What’s best today, probably won’t be in the future,” she says. “There’s no inevitable directionality to it. Evolution is a tinkerer, not a designer.” ■

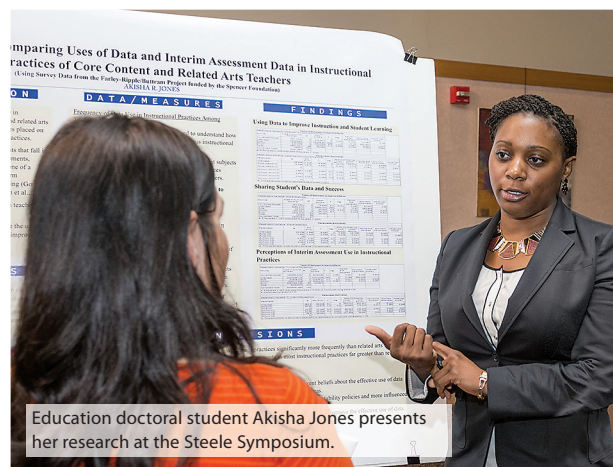
### HEADS UP! STUDY LOOKS AT WOMEN’S SOCCER

A GOAL in soccer is worth one point no matter how it’s scored, but for fans there may be no greater thrill than watching a talented player head the ball into the net.

But fan fun aside, researchers, coaches and parents wonder how heading the ball affects players, especially children whose brains are still developing.

Ten years ago, Tom Kaminski, professor of kinesiology and applied physiology, began to document heading exposures in collegiate and high school female soccer players. Using a battery of neuropsychological and balance tests, he found that heading did not affect short-term neurocognitive function in this pool of athletes.

Now, neuroscience major Cameron Forbes has studied whether the same is true for young women who have already sustained concussions. His research advisers are Kaminski and Joseph Glutting, professor of education at UD.



Education doctoral student Akisha Jones presents her research at the Steele Symposium.

KATHY F. ATINSON

“Surprisingly, we found no difference between the experimental group and the control subjects,” Forbes says. “Our work suggests that although previously concussed subjects engage in purposeful heading throughout a competitive season, they do not appear to be at additional risk.” The researchers say more study is needed to assess the effects of heading over an entire playing career, as well as its effects on professional-level players, where balls travel much faster. ■

### STUDENTS SHARE RESULTS OF THEIR RESEARCH PROJECTS

STUDENT researchers—undergraduate and graduate level alike—have numerous opportunities on campus to present their work each spring, and 2013 was no exception.

As the end of the academic year approached, undergraduate researchers and their mentors from a variety of disciplines shared oral and poster presentations at the 30th annual Senior Thesis

Symposium, a hallmark in UD’s long tradition of providing undergraduates with opportunities to work with faculty researchers.

Whether majoring in sociology or chemical engineering, wildlife conservation or English education, every senior thesis participant learned to conduct research and communicate the results.

In a separate event, the College of Education and Human Development set aside a day to showcase student scholarship. The 28th annual Marion H. Steele Symposium allowed undergraduate and graduate students to present research papers and posters on such topics as parenting and academic outcomes among Latino adolescents, practices of mathematics educators and assessments of preschoolers’ language abilities.

UD also hosted this year’s Colonial Academic Alliance Undergraduate Research Conference, which highlighted the work of some 80 students from a variety of disciplines and backgrounds. ■

Elena Delle Donne, who thrilled UD fans with her spectacular play over the last four seasons as one of the nation's top women's basketball players, joined the Chicago Sky this spring as the No. 2 pick in the WNBA draft.

As expected, Baylor's Brittney Griner was the top draft selection, followed by Delle Donne and Notre Dame's Skylar Diggins. The league is promoting the trio among fans as "Three to See" as each player joined the WNBA off a record-breaking college career.

"There's no question that this draft class has potential to be a moment in time, and we'll look back 10, 20 years and remember that class that came in with Brittney, Skylar and Elena," WNBA president Laurel Richie said.

On May 27, Delle Donne made her long-awaited professional debut in a televised match against Griner and the Phoenix Mercury in the WNBA season opener.

Delle Donne scored 22 points and had eight rebounds and four blocked shots as the Sky beat the Mercury 102-80. A 6-foot-5 guard/forward, Delle Donne graduated from UD in May.

"I think she's definitely key when you think about her talent, her skill set and her size," Sky head coach Pokey Chatman told wnba.com.

Other former Blue Hen athletes moving on to the professional level include four who were selected in the 2013 Major League Baseball draft.

On the first day of the draft, junior first baseman Jimmy Yezzo was picked in the seventh round by the Washington Nationals, and junior pitcher Chad Kuhl was selected in the ninth round by the Pittsburgh Pirates.

The next day, seniors Matt Soren and Nick Ferdinand were drafted

by the Philadelphia Phillies. Soren, a pitcher, was taken in the 19th round and Ferdinand, an outfielder, was taken in the 35th round.

Yezzo, the Colonial Athletic Association player of the year and UD's outstanding male athlete of the year, was the first UD player to be drafted since 2010 and the highest pick since

2008, when the Cincinnati Reds took outfielder Alex Buchholz in the sixth round.

"This is a tremendous honor," Yezzo said. "I'm looking forward to the opportunity to play for a

great organization. I'm excited to get out and start playing."

Delaware head coach Jim Sherman called all the draft picks "very deserving" and praised their hard work as Blue Hens. In Yezzo's case, he said, "This is just a tremendous honor for Jimmy and our program."

In football, the NFL draft passed with no Delaware players selected, but three went on to sign free agent contracts. Paul Worrlow, a three-time All-Colonial Athletic Association linebacker and one of Delaware's all-time

leading tacklers, signed with the Atlanta Falcons; Ricky Tunstall, a defensive back who also returned punts, signed with the Cleveland Browns; and four-year starting cornerback Marcus Burley inked a deal with the Jacksonville Jaguars.

The three joined seven other former Blue Hens on active rosters in the NFL—quarterback Joe Flacco and center Gino Gradkowski of the Super Bowl champion Baltimore Ravens, veteran safety Mike Adams of the Denver Broncos, quarterback Pat Devlin of the Miami Dolphins, defensive back Anthony Walters of the Chicago Bears, defensive end Ronald Talley of the Arizona Cardinals and tight end/fullback Josh Baker of the New York Jets. ■



MARK CAMPBELL

Jimmy Yezzo

## FOR A FLOCK OF BLUE HENS, TIME TO GO PRO



NBA/GETTY IMAGES

Elena Delle Donne



## Top athletes honored at annual awards ceremony

High-scoring women's basketball All-American Elena Delle Donne and slugging first baseman Jimmy Yezzo of the baseball team were named the UD Alumni Association Outstanding Female and Male Athletes of the Year for 2013.

Also at the annual UD Athletics awards banquet in May, basketball player Chelsea Craig and football player Paul Worrilow earned the prestigious Mary Ann Hitchens and Edgar Johnson awards. In addition, 26 student-athletes were recognized as the newest members of Chi Alpha Sigma, the national college athlete honor society.

Delle Donne made a lasting mark at UD, not only as one of the most outstanding athletes in NCAA women's basketball history, but also for her work as an exceptional student. Nearly every record and honor imaginable came Delle Donne's way during her four-year career as she led the Delaware basketball squad to new heights, including this past season when the veteran-laden Blue Hens posted a record of

32-4, won the conference title and advanced to the NCAA Sweet 16 for the first time in school history.

In baseball, the Blue Hen squad played itself into the thick of the CAA championship race each of the last two seasons, and Yezzo, a junior first baseman last season, played a huge role in that resurgence. The left-handed slugger led the CAA in batting average (.410), hits (96), doubles (28), RBI (64), total bases (167) and slugging percentage (.714) while starting all 55 games. He committed just one error in 515 chances at first base for a .998 fielding percentage.

Worrilow, a linebacker and four-year starter, excelled on the field and in the community throughout his UD career. With 377 career tackles, he is ranked No. 5 all-time for the Hens.

Craig combined hard work and dedication to excel in the classroom and the community while leading her team to unprecedented success on the court, with consecutive undefeated CAA titles. ■



**THE BLUE HEN CLUB**

**RISE UP!**

SCHOLARSHIPS  
BOOKS  
ACADEMIC SUPPORT  
MEDICAL SUPPORT  
TRAINING  
CHAMPIONSHIPS  
COLLEGE DEGREES

[www.udaf.udel.edu](http://www.udaf.udel.edu) (302) 831-6276

**UD 4F**  
UNIVERSITY OF DELAWARE ATHLETIC FUND  
600 Student Athletes  
1 Fund

## Renovations a win for athletes at all levels

**F**our facility improvement projects are under way on campus, all designed to enhance the experience of thousands of students for years to come.

The projects were announced in April by Eric Ziady, director of athletics and recreation services. They are a major renovation of the Bob Hannah Baseball Stadium, including the installation of an artificial turf surface and a new scoreboard, dugouts, bullpens and batting cages; the installation of a new all-weather outdoor track in the Delaware Mini-Stadium; the transformation of the Delaware Field House into a first-class indoor practice facility with an artificial turf surface; and the total resurfacing of two natural grass soccer practice fields that also are used for summer youth camps.

In addition to the four new projects, construction continued through the summer at Carpenter Sports Building, where a new 45,000-square-foot expansion to UD's primary recreation facility for students and staff opens this fall. The three-story expansion includes new workout areas, group exercise rooms, offices, a student lounge and an outdoor courtyard.

"These projects are designed not only to improve upon the student-athlete experience on an intercollegiate level, but also to provide significantly expanded programming for all club, intramural and recreational participants," Ziady said in announcing the plans. "Our goal is to maximize utilization of all our athletic facilities in a way that we can better serve the University of Delaware student population while also striving to provide venues that will be attractive destinations for community, state and national athletic and entertainment events."



The estimated total cost of the new projects is \$3.8 million, funded by the Athletics capital allocation in addition to gifts that have been raised in the past and that will be raised in the future.

"The modifications and improvements to these facilities come at a critical time," Jake Olkkola, associate athletics director for recreation services, says. "With usage and demand at an all-time high, these multipurpose spaces will be a huge asset to recreation services and could benefit thousands of intramural, club and recreation athletes."

Bob Hannah Baseball Stadium will see its first major improvements since 2000, and the new enhancements will be significant, transforming the facility into one of the top venues in the Colonial Athletic Association. The improvements will allow the UD club baseball team increased usage of the facility with the hopes of attracting more outside groups, including local high school and youth teams. ■

### Student-athletes thank their benefactors

MEMBERS of the University community, including the student-athletes who benefit most directly, gathered in April to show their appreciation to those who support undergraduate athletics through the creation and ongoing support of named scholarships.

"This is a tremendous opportunity, not only for us to welcome back and thank those who have been so generous to us, but also to introduce and expose them to the true beneficiaries of their investment—our student-athletes," said Eric Ziady, director of athletics and recreation services.

A featured speaker was Chandler Bryant, a middle hitter on the volleyball team and the inaugural recipient

of the Darelle Lake Riabov and John Riabov Volleyball Scholarship, the University's first endowed scholarship for that sport. Male athletes were represented by Nick Boyle, a tight end on the football team and recipient of the Tubby Raymond Football Scholarship.

"Because of the generosity of donors, young athletes like me have the opportunity to grow and succeed in the sport they love while getting

a quality education at the school they love," Bryant said.

Also speaking at the reception was Stephen Stockwell, who with his wife, Patricia, established the Stephen and Patricia Stockwell Swimming Scholarship. Both Stockwells graduated from UD in 1968 and have been loyal Blue Hen fans and supporters ever since. One of many donors who are former student-athletes themselves, Stephen Stockwell



credits the guidance he received from his UD swim coach, Harry Rawstrom, with having a tremendous impact on his life.

He said Rawstrom instilled in him the desire to give back, and he urged current student-athletes to do the same. "I encourage you to join me in supporting those who have supported you and start giving now," Stockwell said. "Start now, start small, but start. Start 'Feeding the Hen.'" ■

### Fans young and old ready for football

THE new era of UD football under the leadership of head coach Dave Brock and his staff began even before the Aug. 29 season opener at

Delaware Stadium, with spring practice sessions that included special events for fans.

As the season kicks off, Brock welcomes back 28 players with starting experience from a team that posted a 5-6 record last year.

A new event took place in April when the Blue Hens held a scrimmage at Milford High School, enabling fans from southern Delaware to come out near home for a day of free fun, football and giveaways. The afternoon event included concessions and alcohol-free tailgating, as well as the opportunity for boys and girls ages 4-12 to participate in "Football Skills Fun" with Blue Hen players before the scrimmage.

Radio Disney provided interactive entertainment, and



Youngsters take the field with UD players in Milford.

JEFF WOKK

UD cheerleaders and the mascot YoUDee were on hand. Fans could make their entrance through the team's inflatable helmet. A meet and greet featured student-athlete autographs and photos.

A few weeks later, the popular Fandemonium event was held in Newark, leading up to the annual Blue-White Game, which

closes a month of spring practice. Fandemonium featured kids' games, live music, food, photo opportunities and autograph-signings, among other activities.

At the game itself, wide receiver Rob Jones and running back Julian Laing stole the show as they catapulted the Blue team to a 38-6 victory over the White team. ■

**THE TRADITION CONTINUES** ★★★★★

**GROUP & SINGLE GAME TICKETS ON SALE NOW!**

[www.BlueHens.com](http://www.BlueHens.com)





# See how they run

**W**hen Obama campaign strategist David Plouffe looks to the future, even as early as 2016, he expects a sea change in the use of technology that will make his own cutting-edge methods of reaching voters a thing of the past.

KATHY F. ATKINSON



“the unsung hero” who built “the best political campaign, I think, in the history of the United States of America.”

—President Barack Obama

Plouffe first got involved in politics, not because of ideology, but because of UD's student newspaper. “The impetus for my career was an advertisement in *The Review*,” says Plouffe, whose previous work experience had been cleaning chimneys and selling knives and who thought a better option might be working on the 1988 U.S. Senate primary campaign of Delaware Democrat Samuel S. Beard, who was battling S.B. Woo, a UD professor.

Plouffe was hooked, not because his candidate won—he did not—but rather that when all was said and done Beard had lost by a mere 71 votes of 40,000 cast. “That had a big impact on me,” Plouffe says. “It taught me that if any one of us had worked harder, we would have come up with a way to win.”

Plouffe soon left the Newark campus, short on credits but long on enthusiasm to pursue his newfound interest in all things politics, and he steadily rose through the ranks, first working on the 1990 re-election campaign of U.S. Sen. Tom Harkins, the Iowa Democrat, later leading the successful 1996 New Jersey campaign of U.S. Sen. Robert Torricelli and serving a stint as executive director of the Democratic Congressional Campaign Committee.

In a move that would have historical ramifications, Plouffe joined AKPD Message and Media, where he and David Axelrod worked on the 2004 U.S. Senate campaign of Obama, then an Illinois state senator who eventually decided to take on Hillary Clinton in the 2008 Democratic presidential primary.

Plouffe served as Obama's campaign manager in 2008, helping steer victories over Clinton for the nomination and John McCain for the White House, and later became senior adviser to the president.

His influence on the 2008 and 2012 presidential elections is hard to overstate, as he brought a healthy

appetite for long hours and hard work, a keen understanding of organization and an interest in the use of new technologies. Email was the watchword in the first presidential campaign, providing a means to communicate directly with supporters and other potential voters, to share a message and to ask for assistance. By 2012 social media, particularly Facebook, proved to be key, with the campaign using the technology to reach out to voters and to ask them to encourage friends in battleground states.

Obama himself thanked Plouffe in his famous 2008 election night speech from Grant Park in Chicago, saying his aide was “the unsung hero” who built “the best political campaign, I think, in the history of the United States of America.”

Plouffe calls himself “blessed to have had this moment in my life.”

“To work for somebody you believe in, to turn out the grassroots vote, to succeed—I understand how special this is,” he says. “This was once in a lifetime, as good as it gets.”

Although his immediate intentions are to spend more time with his wife and children, Plouffe says the life of politics is “like the Corleone family; you never really leave.”

While he is no longer in the White House, he plans to assist the president and the administration in any way he can. He continues to have great interest in both technology and strategy and predicts another “sea change” by the next election in 2016. What this is, he admits he doesn't know, but with data getting better and the number of smart phones growing, he suspects strategies could revolve around the handheld devices. Video could be a major factor, as well, and holograms of candidates discussing the issues via pads or tablets carried door to door by campaign workers is not out of the question. “The sky's the limit,” he says.

Perhaps what excites him most, however, is the interest in politics among young people. “We desperately need better, more committed people running for office,” he says, candidates who are “more selfless, more innovative, less partisan and not careerists.”

Although he earlier left UD without a degree, Plouffe is now a graduate, receiving a bachelor's degree in 2010. Technology played a role in that process, too, as he took classes online and completed proctored examinations at neutral sites. “It was hard work, no question about it,” he says.

Plouffe is part of the unusual grouping of nationally recognized politicians and political workers that led Bloomberg News to call UD the “epicenter” of national politics in 2008, when he led the Obama campaign with Joe Biden '65 on the ticket, and Steve Schmidt, who finished up his degree this spring, led the McCain campaign. In the meantime, New Jersey Gov. Chris Christie '84 has continued the tradition.

In fact, although on opposite sides of the aisle, Plouffe and Schmidt have become friends, in part through joint appearances sponsored by UD's Center for Political Communication. “Not many people have done what we have done – run a national campaign,” Plouffe says. “That creates a special bond.” ■

—Neil Thomas, AS76



KATHY F. ATKINSON

# HER dream job

HELPS OTHERS PURSUE THEIRS



Sujata Bhatia stands outside the Harvard residence hall where she lives and mentors students.

VALENE LAZZARI



Each day, Sujata Bhatia wakes up in Cambridge, Mass. She exits her bedroom and brushes her teeth in a bathroom alongside the freshmen living in Matthews Hall. After breakfast in Annenberg Dining Hall, she crosses Harvard Yard to the Harvard School of Engineering and Applied Sciences.

Bhatia, however, is not an undergraduate. Rather, she is a physician, bioengineer, author, professionally licensed chemical engineer and Harvard University professor.

Much like Robin Williams' character in *Dead Poets Society*, Bhatia is living her dream of inspiring others as an unconventional teacher who doesn't just teach but also helps students believe in themselves and pursue their own paths in life.

"I try to convey to students that careers in science, technology, engineering and mathematics are not off limits—that anyone can be an innovator," the UD alumna says. "When students see you living a regular life, it makes them more comfortable with this idea."

Once at work, Bhatia meets with students to discuss career strategy, answer lecture questions, provide advice on undergraduate research projects or simply listen to those who need to unload. When students arrive with super ambitious four-year plans, she often experiences déjà vu and pictures herself sitting in the office of Jon Olson, a retired UD chemical engineering professor.

You see, Bhatia graduated from the University in 1999 with bachelor's degrees in biology, biochemistry and chemical engineering and a master's degree in chemical engineering, earning all four degrees in four years.

"What made my UD experience special were the faculty members who helped me to navigate the facets of my future—people like Jon Olson, Burnaby Munson and John Burmeister," she says. "This is what I try to provide for my students now."

Though she also holds both a doctorate and a medical degree from the University of Pennsylvania School of Medicine, Bhatia does not demand that her students call her "doctor" or "professor."

"I can't ask the freshmen with whom I live in residence to call me Dr. Bhatia, so all students call me by my nickname, Suji," she says.

Today's undergraduates, she says, are interested in health care and the environment. Bhatia believes that chemical engineering and biomedical engineering are good pathways for study because they bridge both areas, but she concedes that tomorrow's challenges are big and students need to get comfortable with struggling.

"Part of being successful, particularly in engineering, is the willingness to bang your head against the wall a bit and still be willing to try again," she says.

Afternoons are filled with teaching and advising students in senior design and individual projects. Some students are working on research projects to use naturally derived materials from corn, soy, bamboo and seaweed to develop biomaterials for medical applications, including wound closure and healing. Others focus on innovations related to drug and cell delivery.

In the evening she teaches students enrolled in Harvard's master's program in biotechnology before returning to Matthews Hall, where she becomes a parental figure, helping young

students navigate their newfound independence, addressing obvious emergencies or sharing study breaks.

"This job can be all-encompassing—in a good way," says Bhatia, who also serves as assistant director for undergraduate studies in biomedical engineering and assistant dean of the Harvard Summer School.

In her free time, she explores Boston Common, hikes in nearby parks or attends theatre productions, especially Shakespeare. She's recently begun learning to play guitar and sing, skills she translates to the classroom through songs designed to help students remember things like how blood flows in the vessels or the path of filtration in the kidneys.

With two years as a Harvard professor under her belt, Bhatia reflects on how her career has unfolded, saying, "My job comes as close as you can get to a dream job. I get to teach students, research new biomaterials, work with brilliant people, be creative, build new things and see the positive impact that I am having on the world."

Undergraduates, she adds, have "that right mix of idealism and maturity." All they need is confidence, something Bhatia has in spades. In 2013, Harvard honored her commitment to students with both university and School of Engineering and Applied Sciences mentoring and advising awards.

As her day comes to a close, Bhatia often unwinds by reading. Currently on her nightstand is *The Harvard Undergraduate Research Journal*, which details interesting work being done by undergraduates across campus.

"When I look into my students' eyes, I can see how beautiful the future is going to be, and I'm addicted to that," she says. ■

—Karen B. Roberts, AS90

"What made my UD experience special were the faculty members who helped me to navigate the facets of my future ...  
This is what I try to provide for my students now."





## Mom and Dad aren't the only ones to *thank*.

Generous support from alumni like you funds groundbreaking research, enhances our vibrant campus, enriches educational experiences, and helps attract and retain strong students and faculty. In the 2012–2013 academic year, over 20,000 supporters made gifts totaling over \$63.8 million. Thank you, alumni, for giving our graduates a bright future.

[www.udel.edu/giving](http://www.udel.edu/giving)

OFFICE OF ANNUAL GIVING | 866-535-4504

*\*Numbers as of June 14. For final 2013 numbers, visit [www.udel.edu/giving](http://www.udel.edu/giving)*



## Universities may hold key to cyber security

David DeWalt, EG86, chairman of the board and chief executive officer of the global network security company FireEye and a member of the National Security Telecommunications Advisory Committee, has dedicated himself to matters of cyber security

"I see this as a huge problem moving forward," DeWalt said during a recent talk at UD. "You have all of this innovation occurring—mobile devices, IT consumerization, social networking, cloud computing—but there is a downside to it, and that is security.

"There are tremendous vulnerabilities, and when you consider the anonymity of the Internet and the lack of governance, you get this perfect storm."

DeWalt, who majored in computer science, is recognized as a leading expert in the fields of technology, cyber security and mergers and acquisitions. His lecture, titled "Numbers: Transformational Stories of Success and Failure from the East Coast to the Silicon Valley," used numbers to illustrate the important life lessons he was able to cull from his greatest achievements and most trying losses.

The April talk was part of the President's Leadership Series, which brings prominent innovators and leaders in business, technology, athletics, the arts and the humanities to campus to share their knowledge and life experience with the University community.

DeWalt told the audience he believes that UD and other institutions of higher education will be part of solving the cyber security issue.

"The University of Delaware is sitting in a very strategic location between two of the largest, most important cities in the world of security, New York and Washington,

D.C.," he said. "There is amazing opportunity, in my opinion, for UD in the world of security with its proximity to these two cities."

He cited partnerships with such corporations as JPMorgan Chase and Bloom Energy, and collaborations in the new Interdisciplinary Science and Engineering Lab, as examples of how the University can meet other challenges as well.

"What an opportunity UD has here for partnerships to advance education in the world of cyber security," he said.

DeWalt was recently named one of the 25 most influential executives in high technology by the readers of the industry publication *CRN*. In addition, he is a frequent guest on international business programs and appears regularly on Bloomberg TV, CNBC, CNN and Fox Business.

He has more than 20 years' experience holding a series of leadership positions in some of the industry's most innovative and successful companies including president and chief executive officer of McAfee.

As a student at UD, DeWalt was a star wrestler for the Blue Hens, advancing to the NCAA finals three times and named an All-American in his senior year. While he excelled in sports, he was also a committed student with a very specific goal—he wanted to become a CEO.

In his talk, he lauded his alma mater for setting him on the right track as he described how his life unfolded.

Armed with a degree in computer science, his goals and little else, DeWalt set out for Silicon Valley, Calif., after



graduation. His first job was as a telemarketer for Oracle, making 500 cold calls per week.

His dreams came to fruition in early September 2001 when he was named CEO of Documentum, a global leader in enterprise content management. The company was acquired by EMC Corp. in 2003.

In 2007, DeWalt was named president and CEO of technology security giant McAfee.

"Delaware opened my eyes up to some tremendous things," he said. "I have to give huge kudos to the computer science and engineering programs at UD for invoking passion into me and my fellow students. I also thought the flexibility of the University was amazing for me as a student-athlete. It let me nurture myself through both athletics and academics. It was that combination that really helped me." ■

—Shannon Pote



A man with dark hair and glasses, wearing a blue and white striped button-down shirt and dark trousers, is sitting on a dark brown couch. He is smiling and looking towards the camera while holding a large, light brown dog. The dog's mouth is open, showing its tongue and teeth. The background features a window with white blinds and a lamp with a white shade. The overall lighting is warm and indoor.

# Cancer drug shows promise in canine patients



For Petey and the other pit bulls like him, treatment begins in a “canine ER” at the University of Georgia.

The surgery itself takes a few hours: A portion of their naturally occurring brain tumor is removed and the malignancy confirmed. And then two palm-sized pumps, strapped to their necks like a collar, infuse a darkish brown fluid directly into the remaining tumor.

The dogs soon resume their normal lives, walking, eating, remaining largely unaware of the experimental cancer drug that, over the course of three days, targets an overgrowth of the epidermal growth factor receptor in their tumor.

The same receptor is overexposed in human cancers, and the drug, developed by neurosurgeon Costas G. Hadjipanayis, AS94, aims to slow it down.

In humans, the survival rate for patients with glioblastoma tumors is, at best, 12-15 months. In dogs, whose spontaneous glioma tumors develop and behave in remarkably similar ways, the life expectancy is typically no more than six months.

Petey, now 21 months post-surgery, has no evidence of tumor regrowth on his brain MRI. He is the cancer therapy’s most promising success story.

“We knew the treatment would be safe, but we had no idea the potential impact,” says Hadjipanayis, an assistant professor of neurosurgery at Emory University School of Medicine and chief of neurosurgery at Emory Hospital Midtown. “With these tumors, with fingers that infiltrate the brain, the challenge is always: How do you remove it all?”

His pioneering treatment offers one hopeful answer.

Hadjipanayis developed the experimental agent in his research lab at the Winship Cancer Institute of Emory University, attaching an iron-oxide magnetic nanoparticle to an FDA-approved antibody called cetuximab. The magnetic properties enable the drug to be directly imaged by MRI while, simultaneously, therapeutically targeting tumor cells.

In this extraordinary combination of physics and medicine, it’s perhaps unsurprising that the skilled neurosurgeon with a famous UD name often collaborates with the University’s internationally renowned physics professor George Hadjipanayis. The father-and-son team has worked in the past to develop new nanoparticles for targeted imaging and cancer therapies.

While they did not collaborate on this particular treatment, the junior Hadjipanayis credits his father for his scientific input and expertise. He also credits the University of Delaware, where he earned a bachelor’s degree in liberal studies and participated in the first class of the Medical Scholars Program with Jefferson Medical College, for an “excellent, innovative program to introduce me to medicine.” His wife of 16 years, Lorraine Hadjipanayis, is also a UD graduate.

Nearly 20 years later and now a specialist in surgical neuro-oncology, Hadjipanayis’ focus remains treating his brain cancer patients, almost all of whom know about Petey and the novel therapy he is testing.

“They constantly ask when we’ll move this to humans,” he says. “That’s certainly our goal, but we still have work to do.”

Hadjipanayis plans to submit an Investigational New Drug application to the FDA, a process that can take several years to complete. He is also co-investigator on an American Kennel Club grant that would expand testing to 15 other dogs with naturally occurring brain tumors.

Of the five terminal canine patients to receive the initial treatment, three have died. Still, their experiences offer a clearer picture of the safety and therapeutic efficacy of the experimental therapy.

For instance, Hadjipanayis has already seen the importance of precise catheter placement to target the tumor and visualize the nanoparticles. And, he has noticed no safety or toxicity issues with the drug infusion in all the dogs tested to date.

“These kinds of things help us understand how and what to improve on as we move forward for our new canine patients,” he says. “Or for our human patients, someday.”

In the meantime, Hadjipanayis is working on other cancer therapies to improve or prolong quality of life. He is the first U.S. neurosurgeon to test the European drug Gliolan, which patients ingest three hours prior to surgery. It then illuminates the tumor, distinguishing it from the normal brain tissue and enabling surgeons to more completely remove the malignant area.

“As a surgeon and as a researcher, my goal is always the same,” says Hadjipanayis. “I want to help my patients in any way I can.” ■

—Artika Casini, AS05



# Passing the test

*Teacher remains optimistic in drive to overcome obstacles*

PHOTOS BY KATHY E. ATKINSON

Anne Mekalian just sparkles. Children love her, men notice her, and other women really want to be her friends. What you spot first about her is all that personality. It takes a second or two to realize that some parts of her are missing. Important parts. Things the rest of take for granted, like fingers, toes, hands, feet and portions of her arms and legs.

A few years ago an infection sent Mekalian, EH68, then a third-grade teacher, spiraling into a new portion of the population—those known as quadruple amputees.

As a teacher, Mekalian was used to picking up colds in her active classroom and thought little of the cough that was making her miserable

in March 2011. When her friend and now fiancé Pete Lodgen insisted on taking her to the emergency room, he literally saved her life.

She collapsed on the emergency room floor and was quickly diagnosed with strep and double pneumonia. With her body in septic shock, doctors gave her a 15 percent chance of survival. Sepsis, sometimes referred to as blood poisoning, is a life-threatening complication of an infection. In Mekalian's case it sent blood to her main organs and depleted the flow to her extremities.

She was in an induced coma for three weeks and has dim memories of asking why her hands and feet were turning black. She has only groggy recollections

of signing papers to have her limbs amputated. She remained in the hospital for another three weeks and was then released to the Amputee Rehabilitation Program at the University of Maryland's Kernan Hospital, where in seven weeks she had to learn to live differently—with prosthetic hands, arms, feet and legs. She continued outpatient therapy for a year.

Meanwhile, at the Cathedral of Mary Our Queen Elementary School, Mekalian's students were in shock over what was happening to their favorite teacher. Once they knew she would survive, 8-year-old Casey Brown organized a campaign to raise the \$52,000 needed to adapt Mekalian's car for her special needs. In an effort that included lemonade stands, a video and



online fundraising, the students tracked their progress on a website titled “Driving Mrs M” at [www.giveforward.com/fundraiser/kj01/drivingmrsm](http://www.giveforward.com/fundraiser/kj01/drivingmrsm).

“When Mrs. Mekalian heard that we were planning a fundraiser for her, she surprised all of us by WALKING into our classroom to thank us,” her students wrote on the website. “She made such a difference in our lives, and we now want to make a difference in hers.”

The initial dream was to adapt Mekalian’s bright-yellow Crossfire, but it became evident that she would need a larger vehicle to accommodate the length of her prosthetic arms. She has passed her driver’s test and is optimistic about taking the wheel again.

She’s already been on a family vacation that included deep-sea fishing, and she walks a mile around her neighborhood most days, causing neighbors to say she puts them to shame.

wouldn’t fit through the bathroom door. It made me transition to a walker all the more quickly!”

A self-described type-A personality who was constantly on the go, Mekalian admits she still wishes she could do things faster.

“There are days when I think I’m not making any progress at all,” she says. “And then I’ll run into someone I haven’t seen for months and they’ll say I’m doing so much better. That really keeps me going.”

Always a fashionista, Mekalian finds her choice of clothing somewhat limited. While she is a wiz at applying her own makeup, shoes can pose a problem because the backs of her prosthetic heels are square. She and Lodgen laugh about the way people look at them in a store when he tries to pound shoes onto her feet with ankles that don’t bend. Many tools for amputees, like zipper pulls, are made

for larger menswear and are too big for Mekalian’s clothing.

Her daughter, Lauren, a physical therapy student, is inspired by her mom’s resilience and determination and says she hasn’t fundamentally changed:

“She is still the optimistic, kind-hearted person that she always has been, and I often find myself forgetting that she has prosthetics. Her patience, courage and inner strength are tested on a daily basis, and she consistently rises to meet every challenge with grace, tenacity and humor.”

At the Applied Physics Lab at Johns Hopkins University, near her home in Maryland, Mekalian is hoping to qualify for a prototype prosthetic hand that has individualized fingers. She has been working there with Dr. Albert Chi to train new muscles that will make the hands move in new ways.

She has also spoken to a biomedical engineering class at Hopkins, at Kernan

“Her patience, courage and inner strength are tested on a daily basis, and she consistently rises to meet every challenge with grace, tenacity and humor.”

She credits Lodgen and her family with getting her out and about and says she doesn’t mind the stares she receives, although she feels bad knowing children may be frightened of her. Always a teacher, she is pleased to talk about her condition with anyone who approaches her.

“I think I’ve always been kind of optimistic, upbeat and cheerful, although I never thought of myself as a strong person,” she says. “I’ve been surprised that I can be pretty accepting of all this. It’s the things that I didn’t expect that frustrated me. For instance, I came home in a wheelchair that



Anne Mekalian uses her prosthetic hands and a special stylus to operate her phone.

Hospital’s volunteer appreciation day and at the June national convention of the Amputee Coalition.

And, always, she works on her goal of becoming more and more independent. “I really don’t think of myself as handicapped,” she says.

Toni Marken, her occupational therapy assistant, agrees. “It has been one of the greatest pleasures of my life to know and work with Anne,” Marken says. “She has faced adversity with courage and spirit. She never says, ‘Woe is me.’ Anne sets a goal and works tirelessly to achieve a positive outcome.” ■

—Beth Thomas

## Wall of Fame inducts 10 outstanding alumni

Ten UD graduates were honored for their accomplishments in an Alumni Wall of Fame induction ceremony held during Alumni Weekend in June. Established in 1984, the Wall of Fame recognizes outstanding professional and public service achievements.

Joining 246 previous honorees, the new members are Barry J. Bentley, EG78; Keith A. Bentley, EG80; Elizabeth Casey Halley, HS81; Wayne R. Hanby, AS76; W. Edwin Kee Jr., AG73, 75M, AS96M; Kathleen Kline Mangione, HS85; David A. Plouffe, AS10; James A. Sears, BE70; Timothy E. Shanahan, EH80PhD; and Liz Ann Sonders, AS86.

Speaking at the ceremony, UD President Patrick Harker called the Wall of Fame an honor reserved for “our most esteemed alumni.” The 10 new members, he said, have been trailblazers in their fields whose “lives and success and service are a source of inspiration” and who have continued to be involved with their alma mater.

Barry Bentley is executive vice president and director of Bentley Systems, a company he co-founded. Based in Exton, Pa., Bentley Systems is one of the world’s largest privately held software companies.

Keith Bentley is chief technology officer, principal software architect and director of Bentley Systems, which he co-founded after working for DuPont as a software creator for the engineering department. He was president and CEO of Bentley until 2000.

Halley is a principal in the Center for Transforming Health of the MITRE Corp., a federally funded research and development center, where she is a leading clinical informaticist with over 25 years of experience in health information technology and standards.



Back row from left: Barry Bentley, Keith Bentley, Ed Kee, David Plouffe, Timothy Shanahan, James Sears.  
Front row from left: Liz Ann Sonders, Kathleen Kline Mangione, Elizabeth Casey Halley, Wayne Hanby.

Hanby is a retired justice of the peace for the state of Delaware. A decorated Marine Corps veteran who served in the Vietnam War, he helped establish the Vietnam Veterans Leadership Program and served for a time as its executive director.

Kee is Delaware’s secretary of agriculture, appointed to the position in 2009 after a career at UD in which he became a recognized national and international expert in vegetable science. In 2010, he served as president of the National Association of State Departments of Agriculture.

Mangione is a professor of physical therapy at Arcadia University, where she was among the first 14 specialists to earn board certification in geriatric physical therapy. Her clinical career and her research have focused on older adults and such topics as exercise, hip fracture and frailty.

Plouffe, a senior adviser with AKPD, is a political strategist best known as the campaign manager for Barack Obama’s 2008 presidential campaign and widely referred to as

the “architect” of Obama’s two presidential campaign victories. (See article on page 42.)

Sears is a former executive with CIGNA Corp., where he was vice president and chief accounting officer until his retirement in 2003. He started his career at the accounting firm Peat, Marwick, Mitchell and Co., and then moved to the Insurance Company of North America, which was later sold to Cigna.

Shanahan is Distinguished Professor of Urban Education at the University of Illinois at Chicago, where he is director of the UIC Center for Literacy. He previously was director of reading for the Chicago Public Schools, serving 437,000 children.

Sonders is senior vice president and chief investment strategist with Charles Schwab and Co., where she chairs the Investment Strategy Council with a range of investment strategy responsibilities reaching from market and economic analysis to investor education, all focused on the individual investor. ■



# IT'S A NEW STAY.®



*Whether planning an event, or just visiting...  
let us cater to you!*



Our full-service bar features your favorite sports playing on three flat screen TV's, a bar menu and cozy atmosphere.



Enjoy breakfast in our Bistro where we proudly serve Starbucks® coffee. Dinner is served daily after 5 p.m.; try our award-winning crab cakes.



UD parents, join our Very Important Parents (VIP) Program, for special hotel discounts. Visit [www.udel.edu/hotel/VIP](http://www.udel.edu/hotel/VIP)

## 302.737.0900

[www.udel.edu/hotel](http://www.udel.edu/hotel)



400 David Hollowell Drive • Newark, Delaware 19716  
GPS use 200 New London Road  
Newark, DE 19711





# Record-setting crowd renews its connections

With a record-setting number of Blue Hens returning to campus for the fifth annual Alumni Weekend, the event continues to grow both in sheer size and in the overarching goal of building an active network of involved and committed alumni.



More than 5,000 alumni and friends enjoyed Alumni Weekend 2013, with nearly half choosing to forgo the comforts of hotel rooms in favor of a nostalgic weekend in UD's residence halls.

While on campus, they enjoyed music and camaraderie in color-splashed tents erected on The Green and in the inaugural Blue Hen R&B Lounge. There were reunions, receptions, races, lectures, UDairy Creamery treats and tours of the new Interdisciplinary Science and Engineering Laboratory (ISE Lab), as well as opportunities to rekindle friendships with classmates and seek the advice of trusted faculty members.

Those who attended also deepened their connections to UD, which officials understand is vitally important to the future of the University as it ascends toward prominence not just regionally but also nationally and internationally.

A 2010 *Chronicle of Higher Education* article noted that universities must engage alumni early to encourage and sustain connections because while involvement is often a decision made based on emotion, it is one that can have long-term positive effects for both the alumni and the institution.

"We want to foster continuing engagement with UD," says Monica Taylor, vice president for development and alumni relations, adding that involvement can take many forms. "It isn't always about gifts; it can be about alumni volunteering their time to University events, to mentoring students or networking with other alums."

Such was the case with alumna Teri Gerberg Windisch, AS93. "Planning my 20th reunion was a wonderful experience," she says.



DOUG BAKER

"Not only was I able to reconnect with my friends and classmates, I reconnected with Delaware, the institution." Windisch says she is excited to stay involved through special events on campus, promotion of UD in her local community and ongoing financial support.

A more engaged alumni base has tangible benefits. Since the advent of Alumni Weekend, new donations from alumni have increased from about \$24.4 million in 2008 to \$63.8 million in 2013. Also, a better-organized alumni system has helped new graduates find mentors, internships and even jobs while also supporting events to encourage prospective students to consider attending UD.

UD President Patrick Harker, who annually provides an update on the State of the University as part of Alumni Weekend activities, says the event is instrumental in strengthening "the Blue Hen bond."

Engagement of the sort promoted by Alumni Weekend encourages alumni to become more involved in the life of the University and in the lives of the students, he says, and it reminds them that UD is well worth their investment of time, expertise and resources.

Such investments are paying dividends in key areas of the University's strategic plan, which, like Alumni Weekend, was launched five years ago. Goals of the plan that was developed to guide UD forward are: excellence in undergraduate, graduate and professional education; recognition as a premier research university; leadership in environmental

education, research and technology; engaged global citizenship; and a sustained dedication to public service.

In this year's State of the University address, Harker said the success of the plan can be measured in terms

of statistics but more importantly in terms of the 4,000 new graduates who walk across the Delaware Stadium turf each Commencement. "It's immediately obvious that no number, no statistic, no trend line can match those 4,000 stories," he said. "If you want to describe our mission, that's where you have to start."

As part of the presentation, Harker received "incredibly generous" gifts from the seven classes marking reunions this year, including the newest alumni from the Class of 2013. The total monetary donation reached \$1,161,403, with much more provided through the sharing of time, talents and connections in a robust network of alumni who share with their peers and with current students, who in turn become alumni in a continuing cycle that breathes fresh life into the institution and creates momentum carrying into the future.

"I thank all of you for giving back to UD, for valuing what we do here and for helping us do it even better," Harker said.

. ● . ● . ● .  
**Plan now for  
 Alumni Weekend  
 June 6-8, 2014**

Alumni in the following class years will celebrate a milestone reunion at UD Alumni Weekend 2014: 1964, 1989, 1994, 1999, 2004 and 2009. Mark your calendar, and tell your friends. Want more information? Email the Alumni Relations Office at UD-reunions@udel.edu or call (302) 831-2341. ■



# Baby love

*Study abroad changed nurse's life forever*

**B**ari Melker's goal is to travel around the world delivering babies. The 2011 graduate of UD's School of Nursing recently spent a year volunteering in South Africa, first in a safe house for abused and abandoned children and then in a small maternity hospital.

Now back in the U.S. to attend midwifery school, Melker is marking time until she can get on another overseas flight, maybe to South America.

But at some point, she will undoubtedly fit in another trip to South Africa so that she can reconnect with "her" baby, a little girl named Busi that Melker literally carried close to her heart for several months.

The story of Melker's travels begins in October 2010, when she was a senior at UD and talked her way—long after the sign-up deadline—into a Winter Session study abroad program in South Africa, led by nursing instructor Lisa McBeth. Melker was assigned to work with children at New BeginningZ in Pretoria.

"Within the first minute of hearing Tahiyya [Hassim, founder of New BeginningZ] speak, I knew that my life was about to change forever," Melker says. "On the plane back to Delaware at the end of the program, all I could think about was, 'How am I going to get back there and work with her?' She was so inspirational."

After graduating and passing her boards, Melker worked as a nurse in New York for five months—just long enough to save the money she needed to get back to Pretoria, arriving at New BeginningZ in February 2012.

After about a month, Hassim handed her a premature newborn and said, "She's all yours, Bari." Because the infant was so tiny and fragile, Melker nurtured her using a method called Kangaroo Mother Care (KMC), in which the baby is carried on

the mother's chest and secured with a scarf-like wrap. The process helps tiny babies regulate their body temperature, and moving around with the mother helps with brain development.

"For almost three months, I had her right next to me, skin-to-skin, for 22 hours a day," Melker says. "She was truly 'my' baby, even as I continued to work at the safe house caring for other babies and children."

But eventually Melker had to leave Busi, as the young nurse had committed to working in a maternity hospital in Cape Town for her second

six months in South Africa. There, she worked in labor and delivery, volunteered in the neonatal intensive care unit and taught KMC. When McBeth brought her 2013 study abroad group to the hospital, Melker realized that she loved teaching and was inspired to go back to school herself.

Meanwhile, she will always have a tie to South Africa through Busi, who was adopted by a nurse who wants to maintain her baby's bond with Melker.

"She sent me pictures of Busi's first birthday party in February," Melker says. "She's an amazing mom who's going to give this little girl an amazing life." ■

—Diane Kukich, AS73, 84M

**Note:** Lisa McBeth has touched many lives herself, including those of the students she has taken to South Africa and Peru over the past three years. In 2012, their nominations resulted in her selection as UD's first Study Abroad Faculty Director of the Year.







## The BankAmericard Cash Rewards™ credit card for the University of Delaware Alumni Association

**Get more cash back for the things you buy most.  
Plus, \$100 cash back bonus offer.**

Carry the only card that supports the University of Delaware Alumni Association.

- **\$100 cash back bonus** after qualifying purchases
- **Earn rewards automatically**
- **No expiration on rewards**
- **No rotating categories**

**To apply for a BankAmericard Cash Rewards credit card, go to [www.newcardonline.com](http://www.newcardonline.com) and enter Priority Code VABTNZ.**

<b>1%</b>	cash back on purchases <b>everywhere, every time</b>
<b>2%</b>	cash back on <b>groceries</b>
<b>3%</b>	cash back on <b>gas</b>

Grocery and gas bonus rewards apply to the first \$1,500 in combined purchases in these categories each quarter.

Brought to you by:

**Bank of America** 

For information about the rates, fees, other costs and benefits associated with the use of this Rewards card, or to apply, go to the website listed above or write to P.O. Box 15020, Wilmington, DE 19850.

The 2% cash back on grocery purchases and 3% cash back on gas purchases applies to the first \$1,500 in combined purchases in these categories each quarter. After that the base 1% earn rate applies to those purchases.

By opening and/or using these products from Bank of America, you'll be providing valuable financial support to the University of Delaware Alumni Association.

You will qualify for \$100 in bonus cash rewards if you use your new account to make purchases totaling at least \$500 (exclusive of credits, returns and adjustments) that post to your account within 90 days of the account open date. Limit (1) item per new account. This one-time promotion is limited to new customers opening an account in response to this offer. Allow 8-12 weeks from qualifying for the bonus cash rewards to post to your rewards balance. The value of this reward may constitute taxable income to you. Bank of America may issue an Internal Revenue Service Form 1099 (or other appropriate form) to you that reflects the value of such reward. Please consult your tax advisor, as neither Bank of America, its affiliates, nor their employees provide tax advice.

This credit card program is issued and administered by FIA Card Services, N.A. Visa and Visa Signature are registered trademarks of Visa International Service Association, and are used by the issuer pursuant to license from Visa U.S.A. Inc. BankAmericard Cash Rewards is a trademark and Bank of America and the Bank of America logo are registered trademarks of Bank of America Corporation.



## DESIGNER COOKS UP A SWEET BUSINESS VENTURE

KRISTIN Farrell, AS11, has combined her love of baking and of design with an entrepreneurial spirit to produce an organic and eco-friendly food line.

After earning her degree in visual communications and beginning a job search, she decided instead to try applying her creative skills to an idea she had for wholesome, no-fail recipes in a jar. She formed a business, “In A Jar Foods,” and began producing organic chocolate chip and oatmeal raisin cookie mixes in sustainable and reusable glass jars.

Farrell began selling the mixes at holiday fairs in the fall of 2011 and says she quickly reached the 1,000-sales mark.

Today, the cookie mixes are available, not only through the company website at [www.inajarfoods.com](http://www.inajarfoods.com) but also at a variety of retail locations including Balducci's and select Whole Foods stores. Many customers give the jars as presents, Farrell says, or they use them to make organic or gluten-free cookies, which then become a hostess or teacher gift themselves.

Plans for the business include expanding beyond cookies to include other organic recipes as well. ■

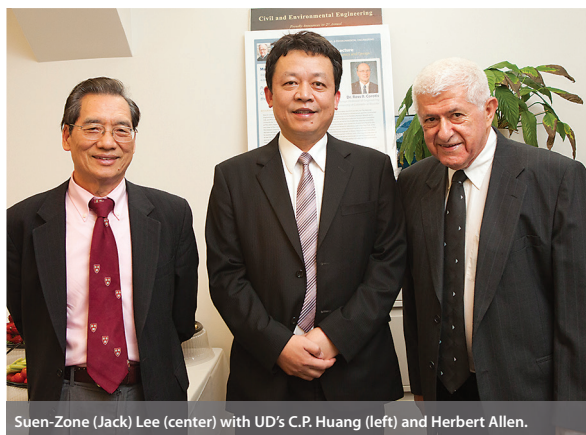
## ENGINEER LEADS UNIVERSITY IN TAIWAN

SUEN-ZONE (Jack) Lee, EG93PhD, has been named president of Chia Nan University of Pharmacy and Science in Tainan City, Taiwan, the second largest private technological university in Taiwan with 17,000 students and more than 500 faculty and adjunct faculty members.

Lee, who earned his doctoral degree in civil and environmental engineering, is a leading expert in environmental engineering in Taiwan, particularly in groundwater contamination.

At UD, he studied soil heavy metal chemistry—how soil reacts with heavy metals—in order to establish soil cleanup standards, working under the advisement of Herbert Allen, a professor of civil and environmental engineering who retired in 2008.

Lee returned to campus May 31 for the first time in 20 years to receive the Department of Civil and Environmental Engineering's Outstanding Alumni Award during UD's Alumni Weekend festivities. Recognition from a United States university, he says, brings honor and distinction not just to him but also to all his colleagues at Chia Nan. ■



Suen-Zone (Jack) Lee (center) with UD's C.P. Huang (left) and Herbert Allen.

AMBER ALEXANDER

## AIR FORCE OFFICER URGES RISE TO GREATNESS

THE story of Orville and Wilbur Wright's first flight in 1896 is one of perseverance, hardship and ultimately engineering triumph.

It's also an apt illustration of what it takes to succeed as an engineering student, says Marlyse Williams, EG04, 06M.

“Are you ready to take flight?” she asked, speaking at the 21st annual University of Delaware Resources to Insure Successful Engineers (RISE) student achievement convocation in May. Williams, a first lieutenant in the U.S. Air Force, was once a RISE student herself. In her keynote speech, she encouraged the graduating seniors to emulate

the Wright brothers' dedication and commitment, saying, “Strive for nothing short of greatness.”

“You will encounter challenges and failures and setbacks, but you must learn to be resilient, to learn from those mistakes and to continue to have faith,” she said.

At UD, Williams earned her bachelor's degree in environmental engineering and a master's degree in civil engineering as a Bridges to the Doctorate Scholar and a Louis Stokes Alliance for Minority Participation Scholarship recipient. Her master's thesis was published as a textbook in 2007. She went on to earn a doctorate in agricultural and biological engineering from Pennsylvania State University in 2010.

Today, Williams supervises more than 1,100 military and civilian personnel and assists in the maintenance and repair of more than 4,000 buildings and facilities on 44 acres at Joint Base McGuire-Dix-Lakehurst. ■





## FROM 'SEED TO CUP,' HE KNOWS COFFEE

THIS year marks Law Coffee's 104th anniversary, and it has been anything but ordinary for his family business, says David W. Mendez, BE03.

A severe outbreak of coffee rust, or La Roya, left Guatemalan coffee farmers scrambling to afford necessary pesticides and employee training. This, combined with striking farmers in Colombia, highlights a coffee market that was trading at a four-year low.

But Mendez, who sources coffee for Law, remains confident in his family's century-long resilience and the fact that, he says, "Many say they cannot survive without their morning cup of coffee."

Four generations ago, Walter Law started what would become a wholesale business traveling from house to house by horse-drawn wagon and using the aroma of his coffee beans to attract customers. His son, Warren Law, moved the business to Newark, N.J., where it is based today.

continued on next page



David Mendez tastes a sample.

## FARM-FRESH, FLAVORFUL...AND AFFORDABLE



Dan Reyes, center, visits Wilmington to enroll new members.

KATHY F. ATKINSON

ONE 38-degree day last November, Dan Reyes, AS12, was speaking to a group of 50 or so men, women and children gathered outside a Wilmington, Del., food pantry.

"We want to make sure you have access to the best produce," said Reyes, then a senior anthropology major. "To locally, naturally and organically grown fruits and vegetables. Pesticide-free. Herbicide-free. The kinds of food normally too expensive to buy in grocery stores."

These are the kinds of food that low-income households were able to purchase using their federal food benefits—thanks to the Food Bank of Delaware's Community Supported Agriculture (CSA) program developed by Reyes and Nick Rockwell, AS11.

Funded by a \$300,000 U.S. Department of Agriculture grant, CSA enabled 100-200 low-income families to purchase subsidized shares of fruits and vegetables from two local farms, allowing those farmers to, in turn, increase their annual revenues by nearly \$50,000.

"This will allow us to provide outreach to households about healthy foods and about how local farmers play a key role in

our food supply," says Patricia Beebe, Food Bank president and CEO.

A \$10 deposit, paid either in cash or through SNAP (Supplemental Nutrition Assistance Program, formerly known as food stamps), covered a family's first week and held their place in the program, which began in mid-spring and ran for 18 weeks.

Participants picked up their "shares"—nearly 10-15 pounds of fresh produce—every Thursday at Wilmington's Cool Spring Farmers Market, where they had access to cooking demonstrations and tastings.

"Sign me up," 65-year-old Bernard Lolly told Reyes. "I'm a senior. I need to eat healthy, and this will put more food on my table."

The idea for the program began in summer 2011, when Reyes and Rockwell began researching the concept of making CSA available to low-income Delawareans. Working as service learning scholars at UD, they met with every CSA farmer in the state and found that the agricultural community had an "overwhelming desire" to feed their low-income neighbors.

"It's a matter of equity and justice," Reyes says, "and this is an ideal partnership." ■

—Artika Casini, AS05

Law Coffee imports and packages coffee from all over the world and sells it to restaurants, cafés and convenience stores. As sales director, Mendez says he knows everything from the family's history to each step in the packaging process from "seed to cup," including where the coffee is grown, how it's roasted and ways to fix a broken coffee machine.

Mendez studied marketing and management at UD with

the idea of trying a different career path and worked as a financial planner after graduation. But he couldn't ignore his attachment to the family business, and he's been working there since 2004. ■

### HELPING STUDENTS, FAMILIES ACCESS COLLEGE

In many ways, Chanel Gaither's name is synonymous with the nonprofit she started.

"It's been a really great resource," says Synclaire Oglesby, a UD Honors Program student and biological sciences major, speaking of the Minorities Achieving Collegiate Success (MACS) program. "Ms. Chanel has been my mentor throughout. She understands where I come from."

The first in her family to attend college, Gaither, who in May earned her master's degree in public

administration from UD, created MACS to help others like her navigate all aspects of the college process, from selecting a school, applying for financial aid and meeting admissions deadlines, to ultimately thriving once on campus.

Launched in 2004 and incorporated in 2008, the program has worked with scores of high school students from Delaware, and all of them have eventually gone on to college.

Thirty MACS graduates are currently in college—nearly half at UD—and more than a dozen have already earned their undergraduate degrees. This fall, five more MACS students will be attending UD, all in science, engineering and medical disciplines. Two alumni are in graduate programs at other institutions.

"Parents really see me and MACS as their child's advocate," Gaither says. "Most of the families I worked with have never been through this process before, so my goal is to help them at every step."

Gaither hopes to apply her education and experience to growing the MACS program into something that could one day become a national model.

"I think college access is one of the greatest issues of our day," she says. "I want to do my part to help as many students achieve collegiate success as I can." ■

## BULGARIA'S TIES TO UD REMAIN STRONG

As the Soviet Union started to collapse in the late 1980s and its satellite countries wrestled with the difficult task of transitioning from a centrally planned to a market economy, UD's Lerner College of Business and Economics stepped up to offer educational support for Bulgaria.

In 1991, the college received the first of several grants from the U.S. Agency for International Development to provide business and economics training in Bulgaria. Over the course of the program, 12 members of the economics department faculty taught in Bulgaria.

Under the grant, UD's Department of Economics offered a facsimile of its master's degree program to students in Bulgaria, several of whom later came to Delaware for a semester and received a master's degree. Some went on to earn a doctorate from UD.

Earlier this year, in recognition of the 20th anniversary of the first class of graduates, Prof. Burton Abrams hosted a reunion dinner at his home. A Skype reunion was also held with graduates living in Bulgaria.

Today, graduates of the program are represented in high-level positions in

business, nonprofit organizations and government agencies, both in Bulgaria and the United States.

Plamen Iossifov, 97M, 05PhD, says his UD education profoundly changed his life: "Of course, my studies at the University of Delaware paved the way for my professional realization as a macroeconomist at the International Monetary Fund in Washington, D.C.," he says. "But, what I most fondly remember is the support—both personal and professional—from so many remarkable individuals at the University."

And engineer Valentin Vulov, 96M, who is principal project manager with the Georgia Regional Transportation Authority, says that during his UD studies he "became fascinated with the logic and science of the market economy. The professors became our advisers and friends and supported us throughout the years. We are thankful for this support and are proud to be graduates of the University of Delaware."

**Web extra:** To see a longer version of this article, a list highlighting many program graduates and their successful careers and a photo from the recent reunion, visit [www.udel.edu/udmessenger](http://www.udel.edu/udmessenger). ■



## DOUBLE DELS FIND LOVE IN ALL THE RIGHT PLACES

DOUBLE Dels—the term affectionately used to describe some 11,312 couples consisting of two UD graduates—sometimes find each other after they have received diplomas and left campus.

Alumni events around the country, hosted by the Office of Alumni Relations, allow Blue Hens to mingle, reconnect and form new friendships. As it turns out, those events are sometimes also conducive to finding love.

Mark, AS97, and Meghan, HS06, Sylvester became friends through the Washington, D.C., Alumni Club softball team. In 2008, Mark had been coaching the team for two years when Meghan came to one of the practices. The friendship eventually blossomed into romance, and Mark proposed to Meghan in Arlington, Va., on a hilltop overlooking the city. Their wedding party was filled with Blue Hens.

Since Mark and Meghan's time at UD never overlapped, the two credit the alumni club with bringing them together.

"It's a great way to meet people that you have something in common with, especially if you're moving to a new city," Mark says.

Tim, AS02M, and Dorie, EH02, Johanns also met through the Washington club. After agreeing to coach the club football team, Tim met Dorie at the very first practice.

"During the football season, you really get to know these people. It was a real tight group" that often went out together after games, Tim says.

He and Dorie started dating three months later and were married in 2009. Guests sipped a special UD drink—sweet tea vodka with lemonade—at their wedding. The two now have a son, who received an abundance of UD memorabilia upon his birth.

Not only do Double Dels meet at alumni events, they also use the opportunities to make it official.

Caitlin Binder-Markey, EH07, met her husband, Ben, EG08, the week before graduation. The two pursued a long-distance relationship until both



Ben and Caitlin Binder-Markey

moved to Chicago. In 2011, the Blue Hens traveled back to Delaware for Alumni Weekend, where Ben proposed to Caitlin on her birthday, surrounded by friends and family.

The campus has become a popular engagement setting for Double Dels, providing the perfect backdrop for two people who both understand the importance of kissing under the arches next to Memorial Hall. ■

—Kelley Bregenzer, AS12

## NEW PRESIDENT NAMED TO LEAD SPRINGFIELD COLLEGE

MARY-BETH Cooper, AS83, is the new president of Springfield (Mass.) College, a position she began on Sept. 1.

Cooper, who earned her bachelor's degree in criminal justice at UD, most recently was senior vice president for student affairs at Rochester Institute of Technology, which she joined in 2001 after serving as dean of students at the University of Rochester.

In June, the Springfield College Board of Trustees unanimously approved his appointment as the institution's 13th president. Springfield has a total enrollment of about 5,100, including undergraduate and graduate students in traditional programs and those in the School of Human Services, a nontraditional experiential-learning program designed for adult students.

After graduating from UD, Cooper earned a master's degree in education from the University of Georgia and a doctorate in college and university administration from Michigan State University. She also holds a master of business administration degree from the University of Rochester and a doctor of management degree from Case Western Reserve University.

The *Rochester Business Journal* named Cooper one of the most influential women in that community, where she has been active in various roles, including serving as chair of the board of the YMCA of Greater Rochester. She and her husband, David Cooper, have a son, Calvin, who is a junior operations management major in UD's Lerner College of Business and Economics. ■

# BULLETIN

## Board

### UDAA WELCOMES NEW MEMBERS TO BOARD OF DIRECTORS

Six new members have joined the UD Alumni Association Board of Directors, for terms that will continue until June 30, 2017, and new officers have been elected.

The new members are Christine Murowany Hidell 76AS, a small-business owner who has hosted UD interns at her current and previous businesses; Linda Justice Myrick 77EG, director of the Biomarkers Program for Air Liquide's Delaware Research

and Technology Center; and Paige Doeberl Rubino 07BE, a certified public accountant with Horty and Horty who is active with the Kent and Sussex Counties Alumni Club.

Also: Scott Bell 83EG, a business unit executive with IBM who has been vice president and president of the New Castle County Alumni Club; Chester "Chip" Davis Jr. 90BE, executive vice president of advocacy and member

relations with Pharmaceutical Research and Manufacturers of America; and Chad Reynolds 00BE, a project manager with Leon N. Weiner and Associates.

Serving two-year terms as UDAA officers, through June 2015, are: president, Kenneth Jones 80BE, a vice president with Morgan Stanley Smith Barney; vice president, Anne Giacomina Barretta 83AS, an adjunct professor at William Patterson University; and treasurer, Kerry Orendorf Halbedl 02BE, a senior accounting analyst with DuPont. ■

such special events as a post-game Goalpost Party on South Campus, with live music and dancing for all alumni and families, and the Presidential Citation for Outstanding Achievement awards ceremony, honoring accomplished alumni who graduated in the last 20 years.

On Saturday, Oct. 12, alumni and fans will cheer on the Blue Hens as they take on Albany at noon at Delaware Stadium. The game will also be the occasion for a reunion of Delaware's 1963 National Championship team.

The Homecoming Student Committee, under the guidance of the Office of Alumni Relations, has been meeting since February to plan Homecoming activities for students, and Alumni Relations is coordinating events for alumni.

If your group would like to plan an event, contact Alumni Relations Associate Director Christine Scheirer, AS09, at [cls@udel.edu](mailto:cls@udel.edu) for assistance.

Visit [www.udel.edu/](http://www.udel.edu/) homecoming for all the details, including football ticket and tailgating information. ■



### MORE BLUE HENS TRAVEL THE WORLD

A group of alumni recently traveled to South America on a National Geographic expedition to the Galapagos Islands of Ecuador and the Andes Mountains of Peru, where they introduced YoUDee to Machu Picchu, the "lost city of the Incas." From left are Steve Stockwell 68AG, Sherry Riggs Clothier 69AS, Pat Tase Stockwell 68AS, Nancy Murray Carney 70HS, 75EH/M, and Jim Murray 69BE. ■

### OCT. 7-12: MARK YOUR CALENDAR FOR HOMECOMING WEEK FUN

SAVE the date for this year's Homecoming, Oct. 7-12, which promises to be a week filled with events for all Blue Hens to celebrate their UD spirit.

In addition to receptions and affinity group gatherings that are scheduled throughout the week, activities will include

### UD DAY OF SERVICE

Saturday, Sept. 21, 2013

Alumni service projects planned nationwide

Visit [www.UDconnection.com](http://www.UDconnection.com) to sign up for a service project in your city.



## ASSOCIATION HONORS OUTSTANDING NEW GRADUATES

MAX Logan Kramer and Melanie Allen received this year's Alexander J. Taylor Sr. and Emalea Pusey Warner awards, respectively, as outstanding members of the 2013 graduating class. The awards are given annually by the UD Alumni Association to recognize the senior man and woman who most exemplify leadership, academic success and community service.

Allen was an Honors Program student and double major in wildlife conservation and agriculture and natural resources, with a minor in public policy. With a 3.64 grade point average, she received more than half a dozen academic awards and distinctions, including a U.S. Forest Service Sustainability Fellowship and the African American Student of Distinction.

She has been a leader in UD's Alternative Spring Break program and the UD Sustainability Task Force and served as an Honors Program Writing Fellow and as an Ag Ambassador for the College of Agriculture and Natural Resources.

Kramer graduated with bachelor's degrees with honors from the College of Arts and Sciences and the Alfred Lerner



College of Business and Economics, majoring in political science and economics. He is a Dean's List student with a GPA of 3.9.

Kramer focused his extracurricular activities on political activism, mentoring, legislation and community service, working as a political aide, a legislative aide and a campaign field organizer for various public officials and candidates. At UD, he was active in many campus activities including serving as president of the UD Model United Nations. ■

## REGIONAL ALUMNI CLUB EVENTS

THROUGHOUT the last few months, Blue Hens around the country enjoyed the national pastime as part of a summer baseball series sponsored by regional alumni clubs, the Office of Alumni Relations and the UD Alumni Association.

This year's series featured more than 20 games, many including private receptions and picnics for club members and guests.

Groups of alumni attended major league games from Baltimore to San Diego and Miami to Seattle. Minor league games attracted crowds in such cities as Reading, Pa., and Aberdeen, Md.

With the end of baseball season, alumni clubs remain busy planning plenty of fall and winter activities. Here is just a small sampling of what's on the calendar.

**Sept. 8**—Lancaster, Pa.  
Blue Crabs @ Barnstormers Game and Picnic

**Sept. 14**—Annapolis, Md.  
UD v. Navy Football Tailgate at Navy-Marine Corps Memorial Stadium

**Sept. 16**—Newark, Del.  
Cooking Demo at UD Bob Carpenter Center

**Sept. 20**—Tampa, Fla.  
Orioles @ Rays Game and Reception

**Sept. 21**—UD Day of Service, nationwide  
Visit [www.UDconnection.com](http://www.UDconnection.com) to sign up for a service project.

**Oct. 6**—Miami, Fla.  
Ravens @ Dolphins Game and Reception

**Oct. 7-12**—Newark, Del.  
UD Homecoming Week

**Oct. 10**—Philadelphia, Pa.  
Attorney Networking Event

**Oct. 19**—Boston, Mass.  
Head of the Charles Post-Race Happy Hour

**See more events and register at [www.UDconnection.com/clubs](http://www.UDconnection.com/clubs).**

## CLASS NOTES

News from our alumni

### 1950s

**C. George Green 50AG, 52M**, of The Villages, Fla., was a member of Florida's Honor Flight for World War II veterans to Washington, D.C., where he says the group of 25 vets received "a royal reception" and took part in a day of festivities.

### 1960s

**Jim Quirk 63EH**, of Rumson, N.J., who officiated in the National Football League for 21 years until his retirement in 2008, continues to serve as the league's umpire trainer and has now been elected executive director of the NFL Referees Association.

**J. Rodman Steele 63EG**, of West Palm Beach, Fla., a partner in the Duane Morris law firm, has been honored by the Narcotics Overdose Prevention and Education Task Force with its Spirit of Living Award for the

volunteer legal and community work he has done with the organization since its inception in 2004.

**George Martin 68BE**, of Birchrunville, Pa., founder of the workers' compensation and Social Security disability law firm Martin LLC, has received the Morris Conservation Award from the French and Pickering Creeks Conservation Trust for his support of organizations working to protect rivers and watersheds.

### 1970s

**George Brown 73AS**, of Newark, Del., a licensed real estate agent since 1985 and a Real Estate Owned (REO) specialist for banks and mortgage companies, has joined Long and Foster Real Estate in its Pike Creek office in Delaware.

**Scott Green 73AS**, of Sterling, Va., who is beginning his 22nd year as

an official in the National Football League, also serves as president of the NFL Referees Association.

**Greg Hill 73AS**, of Pawleys Island, S.C., has been named the 2012 Civil Air Patrol Senior Chaplain of the Year for the South Carolina Wing and for the Middle East (Mid-Atlantic) Region of the Civil Air Patrol.

**Julian (Pete) Booker 75AS**, of Wilmington, Del., president and chief executive officer of Delmarva Broadcasting, who as a student worked at UD radio station WVUD and played an important part in its eventual move from carrier current and AM radio to FM, has been inducted into the WVUD Hall of Fame.

**Charles T. DeTulleo 75AS**, of West Chester, Pa., an attorney and a retired Delaware state trooper, was the guest speaker in May at the 15th annual memorial service of the Delaware County (Pa.) Law Enforcement Foundation, whose memorial includes the name of DeTulleo's father, Charles C., an Eddystone, Pa., police officer who died on duty.

**Richard O'Leary 76AS, 78EH/M**, of Simi Valley, Calif., corporate vice president of human resources and administration for Iris International, also is a colonel and clinical psychologist with the Delaware Air National Guard and serves as technical expert on the Base Human Relations Council and Adjutant General's Cultural Transformation Team.

**Thomas F. Degnan Jr. 77EG/PhD**, of Moorestown, N.J., manager for breakthrough and leads generation at ExxonMobil Research and Engineering Co., has been elected to the prestigious National Academy of Engineering for his contributions to novel catalytic processes for improved lubricant, fuel and petrochemical production.

**Jean Svadlenak 77AS**, of Kansas City, Mo., a museum consultant there, has won an Award of Merit from the American Association for State and Local History for an exhibit she created, *Americans by Choice: The Story of Immigration and Citizenship in Kansas*, commissioned by the U.S. District Court for Kansas to commemorate the court's role in the naturalization process.

**Robert Beck 78EG**, of Lewes, Del., is a lead underwriter at Munich Reinsurance America, working with Silverstein Properties on the development of the World Trade Center complex in New York.

**Cari DeSantis 78AS, 94M**, of Washington, D.C., a former cabinet secretary of Delaware's Division of Services for Children, Youth and Families, has been named president and chief executive officer of Melwood, a Maryland nonprofit organization dedicated to providing opportunities for individuals with disabilities.

**Colleen Moretz 79EH**, of Hockessin, Del., who teaches fashion

## SHARE YOUR NEWS

The *UD Messenger* encourages all alumni to send us any news you want to share with your fellow Blue Hens.

Facebook, Twitter, blogs, community newspapers and organizations' newsletters are all great ways to let people know about your accomplishments and new endeavors. But when you're making use of those outlets, don't forget to keep your former UD friends and classmates in the loop. All of our reader surveys show the same result: The Class Notes section of the *Messenger* is the favorite and most-read part of the magazine.

We want to know about a degree or credential you may have earned, a new job or promotion, a professional honor or an award from a nonprofit or civic group. If you're serving on the board of a charity, leading a community or church group or starting a business of your own, that's news to share as well.

There are two ways to get out the word. You can use the online community just for Delaware alumni; go to **www.udconnection.com**, register for the password-protected site and post any news you want to share. It will appear on the site and will also be considered for inclusion in an upcoming issue of the *Messenger*.

Or, if you prefer to send information directly to the magazine, email your news to **alumnnet@udel.edu**; please remember to include your graduation year and college or major. If your company, school or organization is sending a news release about you to the media, ask them to include us on their list.

Remember, your fellow alumni want to hear from you.

## COLLEGE LEGEND

AG—Agriculture and Natural Resources  
AS—Arts and Sciences  
BE—Lerner College of Business and Economics  
EG—Engineering  
EO—Earth, Ocean, and Environment  
EH—Education and Human Development  
HS—Health Sciences  
AA—associate in arts or science degree  
M—master's degree  
PhD/EdD/DPT—doctoral degrees  
H—honorary degree



merchandising at Immaculata University, created sustainable garments for a recent exhibition at the University of Minnesota's Goldstein Museum of Design, receiving a Dean's Theme Award for a wedding gown with removable layers to create two different looks.

## 1980s

**Debra Lee (Brown) Engel 80AS**, of Williamsport, Pa., formerly executive director of the Delaware Symphony Orchestra, serves with her husband as pastors (officers) with the Salvation Army, now stationed as auxiliary captains in Williamsport after five years of service in Seaford, Del.

**Gina Shaughnessy 80HS**, of Kennett Square, Pa., a nurse at Crozer-Keystone Surgery Center, began skating competitively again in 1997 after a 25-year absence from the ice and now has won four gold medals at the U.S. Adult Figure Skating Championships, most recently in April 2012 at the Masters Novice Ladies competition in Bensenville, Ill.

**Kathleen Cramer 82EH**, of Selbyville, Del., a sales associate with the Coldwell Banker Residential Brokerage office in Bethany Beach, Del., has been recognized as a member of the Coldwell Banker International Sterling Society for outstanding sales performance in 2012.

**Michael A. Smoot 82EG**, of Chesterfield, Va., is vice president of sales and marketing for Accudyne Systems, a manufacturer of composite parts for aircraft and helicopters, which has received a prestigious SHARP (Safety and Health Achievement Recognition Program) award from the federal Occupational Safety and Health Administration.

**Karen (Beutler) Brewer 83AG**, of Live Oak, Fla., a registered nurse, paramedic and volunteer firefighter, is now employed as a helicopter flight nurse with Air Methods Corp.

**Richard Brody 83BE**, of Albuquerque, N.M., the Douglas Minge Brown Professor of Accounting at the University of New Mexico and a Daniels Fund Business Ethics

## BETWEEN THE COVERS

### New books by faculty and alumni

**David Bakish, AS71PhD**, *Zero to Seventy-Five in 30 Snapshots: A Memoir*, CreateSpace.

**Elliot Band, AS75**, co-author with Dennis Malpass, *Introduction to Industrial Polypropylene*, Scrivener Publishing and John Wiley and Sons.

**Rachelle Chaykin, BE88**, co-author with Tracy Kuhn Greenlee, *Her Mother's Lover*, KRBveritas Publishing.

**Jeff Dombek, AS86**, *How the Oysters Saved the Bay*, Schiffer Publishing.

**Frances Frost, BE92**, *Life in Spades*, InvisionBooks.

**Kenneth J. Kerr, EG66**, *Life of a Double Agent*, Xlibris.

**William K. Klingaman, AS72**, and **Nicholas P. Klingaman, EO05M**, *The Year Without Summer: 1816 and the Volcano That Darkened the World and Changed History*, St. Martin's Press.

**Rob Kramer, AS92**, *Stealth Coaching*, Dog Ear Publishing.

**Heather Kim Lanier, AS00**, *The Story You Tell Yourself* (Wick Poetry Chapbook Series), Kent State University Press.

**Kathleen Long, AS86**, *Changing Lanes: A Novel*, Amazon Publishing.

**Sharon D. Long, AS71, 73**, *A Smart Kid's Guide 2 Life* (vol. 2), CreateSpace.

**Gary May**, professor of history, *Bending Toward Justice: The Voting Rights Act and the Transformation of American Democracy*, Basic Books.

**Amy P. (A.P.) Morris, AS96**, *They're Not Gone*, Synchronistic Books.

**Hershel Parker**, professor emeritus of English, *Melville Biography: An Inside Narrative*, Northwestern University Press.

**Marc A. Pugliese, AS94**, co-author, *Beyond Naïveté: Ethics, Economics and Values*, University Press of America, and *Seeking Common Ground: Evaluation and Critique of Joseph Bracken's Comprehensive Worldview*, Marquette University Press.

**Adam Rome**, associate professor of history, *The Genius of Earth Day: How a 1970 Teach-in Unexpectedly Made the First Green Generation*, Hill and Wang.

**Laurie Shannon, AS84**, *The Accommodated Animal: Cosmopolity in Shakespearean Locales*, University of Chicago Press.

**Anthony Varallo, AS92**, *Think of Me and I'll Know: Stories*, Triquarterly.

**Devona E.G. Williams, EH76, AS82M, 91PhD**, *The Intentional Consultant: How to Grow a Sustainable Consulting Practice*, CreateSpace.

**Susan Reynolds Williams, AS92**, *Alice Morse Earle and the Domestic History of Early America*, University of Massachusetts Press.

---

For an extensive listing of books by UD faculty, staff and alumni, visit [www.udel.edu/udauthors](http://www.udel.edu/udauthors). Authors can also post information about their work on that website.

**Have you written a new book?** Send the information to [TheMessenger@udel.edu](mailto:TheMessenger@udel.edu), and we'll include it in the magazine's "Between the Covers" listing. ■

Fellow, has been elected to the Board of Regents of the Association of Certified Fraud Examiners, an organization that previously named him its 2012 Educator of the Year.

**Mark Cappuccio 83AS**, of Doylestown, Pa., a shareholder and chair of the tax assessment appeals practice group of the law firm Eastburn and Gray, received the President's Award from the Montgomery County (Pa.) Bar

Association for his real estate tax appeal representation.

**Douglas Hershman 83AS**, of Garnet Valley, Pa., a director with the Bayard law firm and chair of its executive and associates committees, has been elected president of the University & Whist Club of Wilmington, Del.

**Christopher L. Kaiser 84AS**, of Armonk, N.Y., has been named a business development officer for

U.S. Bank Institutional Trust and Custody, a division of U.S. Bank that offers comprehensive services to endowments, foundations, corporations, insurance companies and other entities.

**Kevin Shaffer 84BE**, of Lutherville-Timonium, Md., formerly chief financial officer and president of Sylvan Learning, has been hired by Arthur Bell, a certified public accounting firm focused on the

## CLASS NOTES

alternative investment industry, as its chief operating officer.

**Robert Surles 84AS**, of Wilmington, Del., a 22-year veteran prosecutor with the Delaware Department of Justice and a major in the Delaware Army National Guard, where he serves as a military judge, has been sworn in as a judge with the Court of Common Pleas for New Castle County, Del.

**Randy Louis Swiren 84BE**, of Broomall, Pa., an actor, host and voice-over talent who appeared as a group therapy patient in the Oscar-winning film *Silver Linings Playbook*, recently had a role on the CBS-TV show *Elementary*, an updated Sherlock Holmes series, in which he wore full special effects makeup to play murder victim Stuart Bloom.

**Donald Evans 85AS**, of Long Beach, Calif., who most recently was superintendent of the Hayward Unified School District there, has been named superintendent of the 9,000-student Berkeley Unified School District after a national search to fill the post.

**Brian E. Farkas 85AG**, of Raleigh, N.C., a professor of food science at North Carolina State University since 1994 and undergraduate coordinator of food science there since 2009, has been appointed professor and head of Purdue University's Food Science Department.

**Kimberlee M. Orth 85BE**, of Wilmington, Del., a private wealth adviser with Ameriprise Financial, has been named to the *Barron's* "Top 1,000 Advisers" list.

**Alan W. Flenner 86EG**, of Camp Hill, Pa., an attorney who practices environmental, land use and municipal law with the Norristown, Pa., firm High Swartz, has been elected chair of the Pennsylvania Bar Association's Municipal Law Section.

**Kathleen Long 86AS**, of Cherry Hill, N.J., who left a career in public relations to become a fiction writer, has authored 14 novels of contemporary romance, romantic suspense and women's fiction and has won numerous awards for her books.

**Sandra Lambert 87EH**, of Annandale, N.J., an interior designer,

had one of her projects pictured on the cover of the June issue of *Design New Jersey*, which also highlighted her work in a nine-page feature.

**Michael S. Pepperman 88AS**, of Ambler, Pa., chair of the labor relations practice group with the law firm Obermayer Rebmann Maxwell and Hippel, spoke at the American

Conference Institute's National Advanced Forum on National Labor Relations Board and Labor Law Disputes and Litigation in New York City in March.

**Michael Redding 88AS**, of Eugene, Ore., vice president for university relations at the University of Oregon, has been named executive associate

chancellor for external affairs and government relations at the University of Illinois at Chicago.

### 1990s

**Andrew Heinold 91AS**, of Mount Pleasant, S.C., of the financial services firm Edward Jones in Charleston, S.C., has successfully completed certification

## HENS OF A FEATHER

### News involving several alumni

The **College of Arts and Sciences** recognized four alumni at its annual Celebrating Achievement and Success event in May. Dean **George Watson 85PhD** presented Alumni Achievement Awards to **Dr. Michele Hackley Johnson 75**, director of interventional neuroradiology and associate professor of diagnostic radiology, surgical otolaryngology and neurosurgery at Yale University; **Steve Linberg 73**, who has worked for more than 30 years in academic clinical research and drug and biologics development; **Carol Nigro 97M, 09PhD**, who spearheaded the creation of the Friends of Art History fundraising and advocacy group that promotes the study of the visual arts at UD; and **William Oberlander 81**, managing director for marketing, communication and events for the Robin Hood Foundation, the largest poverty-fighting organization in New York City.

Five graduates of the **Alfred Lerner College of Business and Economics** received the college's 2013 Alumni Award of Excellence during Alumni Weekend. The honorees were **Tevfik Aksoy 93M, 95PhD** (economics), managing director and head of central Eastern Europe, Middle East and Africa economics at Morgan Stanley; **Gerard J. Emery 86** (accounting), partner at Ernst and Young, serving three global clients in significant international markets; **Courtney Smith Goodrich 83** (business administration), global technology resource manager in JPMorgan Chase's office of the chief information officer; **Mary C. Suiter 89M** (economic education), economic education officer at the Federal Reserve Bank of St. Louis; and **Natalie D. Ramsey 81** (accounting), a partner in the corporate and litigation departments at Montgomery McCracken Walker and Rhoads.

The **Department of Electrical and Computer Engineering** honored four of its alumni at its annual Research Day in March. **Frederick Kitson 74**, executive vice president and chief technology officer of DTS Inc., was the

keynote speaker at the event and received the department's Distinguished Achievement Award for his career accomplishments; **Thomas McCormick 81**, president and CEO of American Electric Inc., received the Entrepreneurial Innovation Award; **Karen Bloch 85, 97M, 04PhD**, strategic planning manager for DuPont's chief engineer and vice president, received the Outstanding Service Award; and **Qian (Casey) Xie 01PhD**, principal scientist for Broadcom, received the Young Alumni Achievement Award.

The **College of Health Sciences** has recognized distinguished alumni from each of its units. Honored at an Alumni Weekend reception were **Norine Watson 93, 97M** (nursing), director of nursing excellence at Nemours/Alfred I. duPont Hospital for Children; **Tom Hall 78** (kinesiology and applied physiology), founder of CardioKinetics; **Arianne Missimer 02** (behavioral health and nutrition), owner of Core Fitness; **Michael Healy 94** (medical laboratory science), director of blood bank services at Christiana Care Health System; and **Airelle Hunter-Giordano 03M** (physical therapy), associate director of sports clinical services and assistant professor at UD.

Several alumni were among those employees of the Wilmington, Del.-based certified public accounting and consulting firm Belfint Lyons & Shuman who celebrated recent milestones. Earning their certified public accountant (CPA) designation were: **Joanne Beach 67BE, 77M; Karly Laughlin 09BE**, who also was promoted to senior accountant in the tax and small business department; **Kristy (Nash) Scheler, 04BE**; and **Saib Uppal 10BE, 12M**, also promoted to staff accountant II in the accounting and auditing department. **Jonathan Patterson 08BE** was promoted to supervisor in the tax and small business department, and **Mark Sweeney 09BE** was promoted to senior accountant in the accounting and auditing department. ■



requirements for the designation of Certified Financial Planner.

**Frances Frost 92BE**, of Silver Spring, Md., a co-lead for the Washington, D.C., Alumni Club's participation in the Virginia Gold Cup this year, is a contributing blogger on Skirt.com and CircleofMoms.com whose own blog has been named a Circle of Moms "Top 25 Family Blog."

**Kristin McGlothlin 92AS**, of West Palm Beach, Fla., has earned her master's degree in English literature from Florida Atlantic University.

**Steven B. Sanders 92BE**, of Richmond, Va., has been named vice president of development for the brand engagement firm Match Action, with responsibilities for business development and prospecting for the agency's lifestyle and entertainment clients.

**Martine Howard 93AS/M**, of Glassboro, N.J., a Camden County College professor known for immersing her students in the cultures of the languages she teaches,

won the 2013 Lindback Distinguished Teaching Award, the top instructional award at the college.

**GianClaudio Finizio 94AS**, of Kennett Square, Pa., an attorney with the Bayard firm in Wilmington, Del., has been selected to participate in the Meritas Leadership Institute, a yearlong leadership-development program operated by Meritas, a global alliance of business law firms.

**Frank Venis 95AS**, of Chicago, is a partner in Venis and Copp, a law firm he and a law school classmate opened there last year.

**Douglas D. Barry 96EG**, of Newark, Del., a senior engineer with the engineering, design and consulting firm Pennoni Associates, has been promoted to land development division manager in the firm's Milton, Del., office.

**Mia Muratori 96AS**, of Wilmington, Del., an artist whose design company creates images that are turned into limited-edition, hand-knotted Tibetan rugs, has joined GoodWeave, an

organization committed to child-labor-free, ethical production in the rug industry.

**Jessica Porter 96AS**, of New York City, recently celebrated the seven-year anniversary of her Chelsea art gallery, Porter Contemporary, by launching a 22-artist exhibition of contemporary views on Pablo Picasso, marking 40 years since his death.

**Wendy Ash 97AS**, of Wilmington, Del., is the founder and director of Chiquitots, a program that teaches Spanish to children ages 2-6 and that has been launched in numerous preschools in Delaware.

**Jeanine Gottko 97EH**, of Union, N.J., a master technology teacher for kindergarten through fifth grade in the Westfield (N.J.) Public Schools, has been named one of "20 to Watch" Leaders in Advancing Education Technology by the National School Boards Association.

**Toniann DeGregory 98AS, 03EH/M**, of Wilmington, Del., an art teacher at Cab Calloway School for the Arts

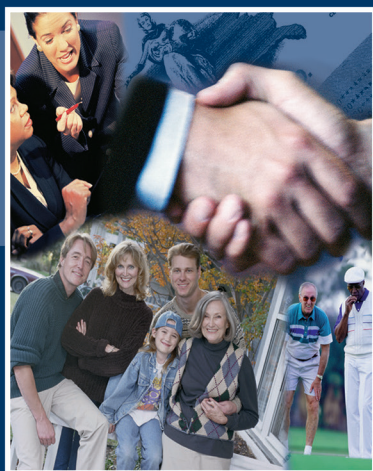
there, has been named Art Educator of the Year for 2013 by the Delaware Art Education Association.

**Karl Myers 98AS**, of North Wales, Pa., an attorney with the Philadelphia firm Stradley Ronon whose practice includes insurance litigation, regulatory counseling and appellate, government and general litigation matters, has been promoted to of counsel.

**Richard Whitworth 98BE**, of San Diego, has been hired as managing director of business consulting for the independent broker/dealer First Allied Securities there, where he leads a team of consultants who help independent financial advisers become better business owners.

## 2000s

**Frederick Fultz 00BE**, of Encinitas, Calif., managing director of the BIOCUM purchasing group, has been promoted to the position of vice president of business development, where his responsibilities will also



Stocks • Bonds • Mutual Funds • Annuities  
CDs • Money Market Funds • IRAs  
Retirement Plans • UITs • Cash Management  
Financial Planning • Insurance • Estate Planning

## THE RUELLO GROUP

**John K. Ruello**  
Senior Vice President/Investments

**John S. Ruello**  
Vice President/Investments

**Paula Denton**  
Registered Client Service Associate

(302) 351-1450 • (855) 300-7159  
4001 Kennett Pike, Suite 318  
Greenville, Delaware 19807

STIFEL

Stifel, Nicolaus & Company, Incorporated | Member SIPC & NYSE | [www.stifel.com](http://www.stifel.com)

## CLASS NOTES

include managing membership and development initiatives for BIOCOM, the largest regional life sciences organization in the world.

**Shanté Hastings 00EG**, of Millsboro, Del., chief of performance management for the Delaware Department of Transportation, was awarded a Citation for Outstanding Alumni Achievement by UD's Department of Civil and Environmental Engineering.

**Kevin Krick 00EO/M**, of Fairfax, Calif., chair of the Marin County Republican Central Committee, has been elected to the board of directors of the California Republican Party, where he represents some 575,000 Republicans who live in six Bay Area counties.

**James Levine 00AS**, of Philadelphia, an associate in the Pepper Hamilton law firm's commercial litigation practice group in its Wilmington, Del., office, has been elected to the board of editors of *Delaware Lawyer*, the quarterly publication of the Delaware Bar Foundation.

**Michael J. Blum 01AS**, of Allentown, Pa., an attorney with Gross McGinley there, has been named to the 2013 Pennsylvania Rising Stars list, compiled by the Thomson Reuters rating service Super Lawyers and representing less than 2.5 percent of the state's lawyers.

**Shari B. Veisblatt 01AS**, of Woodbury, N.J., a family law attorney with Obermayer Rebmann Maxwell and Hippel, has been named to the 2013 New Jersey Rising Stars list, compiled by the Thomson Reuters rating service Super Lawyers and representing less than 2.5 percent of the state's lawyers.

**Louis Vitola 01BE**, of Middletown, Del., recently was named finance director for the city of Newark, Del.

**Joseph Grubb 02AS**, of Wilmington, Del., a deputy attorney general with the Delaware Department of Justice, has been named chief prosecutor for New Castle County, directing more than 100 prosecutors, legal support and victim services personnel.

**Andrew S. Haines 03AS/M**, of Souderton, Pa., formerly the township manager of Hatfield Township, Pa., has been named deputy city manager of Newark, Del.

**Sarah A. (Fruehauf) Roberts 03AS**, of Wilmington, Del., has joined Marshall Dennehey Warner Coleman and Goggin as an associate in the casualty department of the law firm's Wilmington office, where she focuses her practice on toxic torts, product liability, asbestos personal injury litigation and general negligence matters.

**Cheryl Scarlato 04HS**, of Sag Harbor, N.Y., a Navy seaman recruit, recently completed U.S. Navy basic training at Great Lakes, Ill., an eight-week program that included classroom and practical instruction and an emphasis on physical fitness.

**Uzoamaka Idigo 05BE**, of Philadelphia, has graduated from the University of Pennsylvania's Wharton School with a master's degree in business administration and accepted a management consulting position with Accenture in New York City.

### How are we doing?

The *UD Messenger* encourages all our readers to take part in an online survey to help us improve the magazine and make sure it is meeting your needs in staying connected to the University. Many of you have already received an email message that includes a link to the survey, which was developed by the Council for Advancement and Support of Education. We hope you will take just a few minutes to complete the questionnaire and share your thoughts about the *Messenger*. If you didn't receive an email, please join in by visiting [www.udel.edu/udmessenger](http://www.udel.edu/udmessenger) and following the link to the survey. We thank all our readers for their valuable input.



Other officially licensed College & Sorority beads, bracelets, charms, etc. available.

**CASH FOR GOLD!**



Like Us On  
**facebook**

**AG**  
**ANDREW GALLAGHER**  
JEWELERS

*A family tradition for over 60 years*

Diamonds ♦ Gemstones  
Gold & Silver Jewelry ♦ Drusy Quartz  
Trollbeads ♦ Charms  
Bulova Watches ♦ Engraving  
Jewelry Repair ♦ Restraining  
Ring Sizing ♦ Watch Batteries/Repairs  
Custom Designs  
Antique Restoration

**302-368-3380**

410 Suburban Drive, Newark, DE 19711

Located on Elkton Road near Acme & Home Depot

[www.andrewgallagher-jewelers.com](http://www.andrewgallagher-jewelers.com)



**Edward T. Grove 06HS**, of Smithtown, N.Y., earned his medical degree from Upstate Medical University in Syracuse, N.Y., in May and is pursuing residency training in emergency medicine at Indiana University.

**Andrew L. Talarowski 06AS**, of Philadelphia, an actuarial analyst at ACE USA, has been named an associate of the Casualty Actuarial Society.

**Jennifer de Mooy 07AS/M**, of Chestertown, Md., the climate adaptation project manager for the Delaware Division of Energy and Climate, led a panel discussion at UD on climate change as part of the University's Earth Week activities.

**Steven Russolillo 07AS**, of Hoboken, N.J., a reporter for *The Wall Street Journal*, moderated a panel discussion on the U.S. economy during the 2013 Economic Forecast conference held at UD in February.

**Bryan Shupe 07AS**, of Milford, Del., founder of the online media business Milford LIVE.com and recently elected to the City Council there, has been named president of the board of directors of the Greater Milford Boys and Girls Club.

**Abigail Sites 07AS**, of Newark, Del., owns the dance studio Abundance Academy of Dance in Landenberg, Pa., which has grown to include four employees, who are all UD students, and two independent contractors, who are University alumnae.

**Brian Tyrseck 07AS**, of Astoria, N.Y., who works for MTV as a manager for on-air promotions, media planning and scheduling, recently earned his master's degree in media studies, with a graduate certificate in media management, from The New School.

**Steve Delisle 08AS/M**, of Bel Air, Md., a former metalsmith who most recently worked with the American Revolution Center and Museum of the American Revolution, has joined Colonial Williamsburg as the tinsmith for a new shop there.

**Andrew Samuelson 09AG**, of New York City, has graduated from the U.S. Marine Corps' 13-week recruit training at Marine Corps Recruit Depot, Parris Island, S.C.

## POLITICAL STRATEGIST CALLS PUBLIC SERVICE 'A WORTHY CAUSE' FOR NEW GRADUATES

Steve Schmidt, who led Sen. John McCain's 2008 presidential campaign and has served as a senior adviser to numerous other high-profile Republican candidates, is now a UD graduate, receiving his bachelor's degree in May.



Schmidt attended the University from 1988 to 1993, when he began his career in politics just three math credits short of his degree requirements. He completed that remaining course earlier this year—and earned an A. The day before Spring Commencement, Schmidt spoke to fellow members of the Class of 2013 at the Department of Political Science and International Relations' convocation ceremony.

"Be a proud American, but also a global citizen," he told his classmates, urging them to avoid cynicism. "Your job is to fix things, to serve."

Schmidt is vice chairman for public affairs of Edelman, one of the world's largest public relations firms, and is seen frequently on television as a political analyst for NBC and MSNBC.

"Public service is a worthy cause," he said at the convocation. "Serve your country, your communities, your neighbors. Make it count." ■

**James Wechsler 09BE**, of Drexel Hill, Pa., has been promoted to portfolio manager at Wilmington Savings Fund Society in Wilmington, Del.

### 2010s

**Andrew Bunting 11AS**, of Arlington, Va., was recently promoted to senior admissions counselor at George Mason University and has published a piece on LGBT issues in *Diverse: Issues in Higher Education*, a news magazine focused exclusively on minority issues in higher education.

**Alexandra Leshner 12AS**, of Lafayette Hill, Pa., has begun work as assistant editor of *Philadelphia Style* magazine.

**Dwaipayan Muhuri 12HS**, of Wilmington, Del., serves as Delaware's state liaison to the American Society for Clinical Laboratory Science's Government Action Committee.

**Edward Redmond 12AS**, of Newark, Del., is launching Deco Playing Cards, a business funded by a successful Kickstarter campaign earlier this year, which showcases Delaware artists on its poker decks with designs inspired by culture and history. ■

## CERTIFIED PUBLIC ACCOUNTANTS & ADVISORS



## COVER & ROSSITER

*Advancing Tradition since 1939*

*Providing complete Tax, Audit and Accounting Services for:*

- Small Businesses
- Corporations
- Nonprofit Organizations
- Individuals & Families

*Find out how we can put our experience to work for you!*

*Proudly serving the University of Delaware community!*

www.COVERROSSITER.com

(302) 656-6632

Wilmington • Middletown



/CoverRossiter

@CoverRossiter

Scan with your mobile phone to learn more!

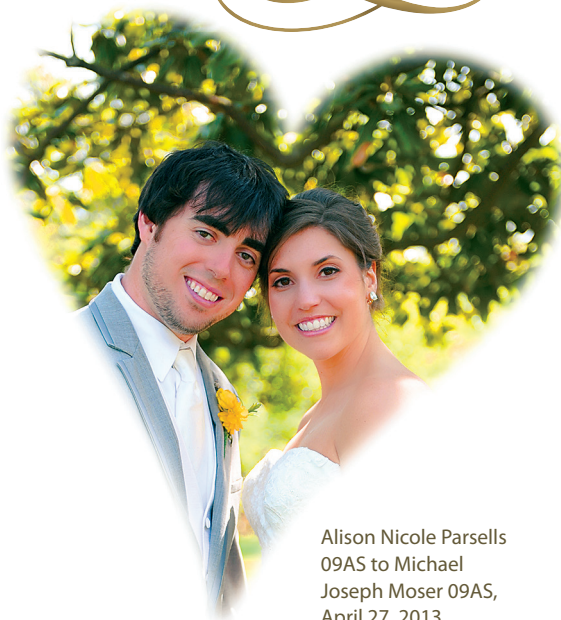




# Commitments



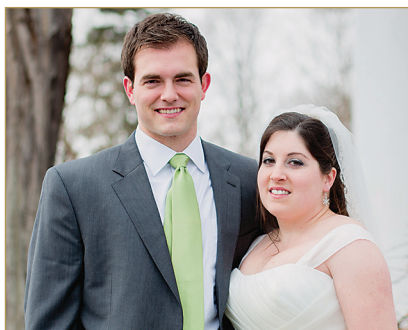
Amy L. Rude 01AS to Jason A. Harriman 00AS, May 6, 2011



Alison Nicole Parsells 09AS to Michael Joseph Moser 09AS, April 27, 2013



Sarah Bieber 07EH to Adam Kukuruda 07BE, Aug. 4, 2012



Maggie Morris 08AG to Curtis Warren 07AS, 09M, Feb. 16, 2013



Jordanna Rosenblum 08HS to David Pessah 07BE, Sept. 23, 2012



Bernadette Dorsey 92BE, 98M to Hiram Whatley Sr., Oct. 20, 2012



Bridget McClay 07EH to James Hayman 06AG, 08BE/M, July 27, 2012



Jill Guarracino 07EH to Peter Hinckley 07AS, Oct. 14, 2012



Lisa Birenbaum 04EH to Michael Ventrella 03AS, July 28, 2012



Lora Austin 07AS, 09EH/M to Ivan Learmont 05EG, 07EH/M, May 26, 2012



## Commitments



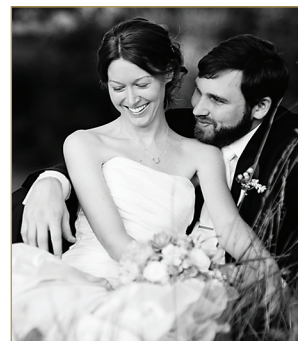
Rubyna Malchand 05BE to Sean Murray 05BE, June 4, 2011



Brent Weaver 94AS (left) to Jeffrey Clouser, June 25, 2012



LaShawn Carter 02AS to Brewster Ward Jr., Dec. 29, 2012



Tracy Pryce 05AS to David Andrew Hall, May 11, 2012



Sara Elizabeth Benjamin to Gregory Morris Cover 98AS, Nov. 18, 2012



Hillary Mix 07AS married Alex DiTullio, March 30, 2013. Among those attending were, from left, Jessica O'Brien 07AS, Stephanie Fretz 07HS, Lindsey Wood 06AS, Nicola Bradley Scott 07HS, Nicole LaSpada 07BE, Hillary, Andrew Cygan 07AS, Lindsey Shirey 07EH, Alex Gross 07BE, Andrew Lynch 06HS, Brent Sheppard 07BE, Alex Chazkel 07BE and Josh Sand 07HS.

	<b>HARDCASTLE GALLERIES</b>	
	5714 Kennett Pike Centreville, DE 302 – 655 – 5230	622 Newark Shopping Ctr. Newark, DE 302 – 738 – 5003
<ul style="list-style-type: none"> <li>• Custom Framing</li> <li>• Original Paintings</li> <li>• Reproductions</li> <li>• Sculptures</li> <li>• Ceramics</li> <li>• Consulting</li> <li>• Artwork Commissions</li> <li>• Appraisals</li> <li>• Restorations</li> <li>• Installations</li> </ul>		
<p> <a href="http://www.hardcastlegallery.com">www.hardcastlegallery.com</a>            email: <a href="mailto:hardcastlesnewark@yahoo.com">hardcastlesnewark@yahoo.com</a> </p>		

### Attention, newlyweds

Wedding announcements and photos for the *UD Messenger* should be submitted to the Office of Alumni Relations, [alumnet@udel.edu](mailto:alumnet@udel.edu), within one year. Please include the date of the ceremony and the full names and graduation year(s) and college(s) of the bride and groom.

To be considered for publication, please note that we can accept only digital photos in which the original image is a high-quality jpeg, at least 300 dpi and at least 2-by-2.5 inches, preferably in color.

The *Messenger* will publish as many photos of wedding couples as possible, but due to space limitations and reproduction-quality requirements, we are not able to publish every photo that is submitted. Even if we are not able to use a photo, we will announce the marriage in the "Commitments" section of Class Notes. As part of the University's ongoing sustainability efforts, we will publish only one group photo per issue.

We invite you to continue to share such photos, and others, with your fellow alumni at our online community, [www.UDconnection.com](http://www.UDconnection.com).



DELAWARE ORTHOPAEDIC SPECIALISTS



**Damian M. Andrisani M.D.**  
UD '95  
*Specializing in:*  
*Sports medicine, knee and shoulder surgery*



**Bradley C. Bley D.O.**  
*Specializing in:*  
*Primary care sports medicine, concussion management*



**Steven M. Dellose M.D.**  
UD '91  
*Specializing in:*  
*Total hip and total knee replacement*



**Matthew D. Eichenbaum M.D.**  
*Specializing in:*  
*Problems of the hand, wrist, forearm and elbow*



**Brian J. Galinat M.D.**  
*Specializing in:*  
*Surgery of the shoulder*



**Andrew J. Gelman D.O.**  
*Specializing in:*  
*General orthopaedic care*



**Paul Kupcha M.D.**  
*Specializing in:*  
*Surgery of the foot and ankle*



**Joseph Mesa M.D.**  
*Specializing in:*  
*Sports medicine, knee and shoulder surgery*



**Douglas A. Palma M.D.**  
UD '91  
*Specializing in:*  
*Sports medicine, knee and shoulder surgery*



**J. Douglas Patterson M.D.**  
*Specializing in:*  
*Problems of the hand, wrist, forearm and elbow*



**Michael Principe D.O.**  
*Specializing in:*  
*Orthopedic trauma and post-traumatic reconstruction*



**James J. Rubano M.D.**  
*Specializing in:*  
*Total hip and total knee replacement*



**David K. Solacoff M.D.**  
*Specializing in:*  
*General orthopaedic care*



**Peter F. Townsend M.D., F.A.C.S.**  
*Specializing in:*  
*Problems of the hand, wrist, forearm and elbow*

302.655.9494

**Fracture care 24 hours a day**

**www.delortho.com**



# New Additions



Dylan James, born Feb. 10, 2013, to Lara Wallert Polakowski 99HS and Brian Polakowski 98BE, of Howell, N.J.



Caelan, born April 17, 2013, attended Alumni Weekend at age 6 weeks with his parents, Suzanne Venteau-Koch 03AS and Brian Venteau-Koch 04EG, of Chicago. "Class of '35!" Suzanne said of Caelan.



Keira Grace, born Jan. 14, 2013, to Lindsey Falkowski 06BE and Jonathan Falkowski 05AG, of Middletown, Del.



Stella Grace, born Nov. 21, 2012, to Stacey Callaway Du Beau 05AS and Vincent Du Beau, of Vineland, N.J.



Brayden Michael, born Aug. 18, 2012, to Alexis Trotz Kearsey 03AS and Mike Kearsey 03BE, of Suffern, N.Y.



Haley Michelle, born Sept. 11, 2012, to Mike Gonzalez 06BE and Rachel Pollet Gonzalez 06HS, of Orlando, Fla.



Tyson, born May 6, 2012, to Jordan Perry 01BE and Tyrone Perry 99AS, of Wilmington, Del.



Ginelle Grace, born May 25, 2012, to Selena Kang Robleto 00AS and Gregory Robleto 99AS, of Rockville, Md., with big sister Kaylee Lynn.



Seth Lawrence, born March 31, 2012, to Kristen Myron Kromminga 96EH and Bruce Kromminga, of Millersville, Md., with big brother Owen and cousins Jackson and Cooper, sons of Kelly Myron Osman 00BE and Richard Osman, of Baltimore, Md.



Hunter James, born May 20, 2012, to Michelle Teague 05EH and John Teague 07AG, of Newark, Del., with big brother Leander Owen.



## New Additions



Tyler James, born May 10, 2012, to Vicki West Chanon 02AS and Andrew Chanon, of Durham, N.C.



Molly Grace, born Oct. 31, 2012, to Magen McKinney Lewis 07AS and John Lewis, of Annapolis, Md.



Mason Daniel, born May 14, 2012, to Randi Gross LaBove 03AS and Glenn LaBove, of Gloucester Township, N.J.



Nora, born Dec. 27, 2011, to Megan Beatson 03AS and Tim Beatson 06BE, of Landenberg, Pa.



Avery Thomas, born Dec. 5, 2012, to Ashley Forlini Peterson 00HS and Jon Peterson, of Sinking Spring, Pa., with big brother Greyson.



Sally Lillian, born May 21, 2012, to Mary Manetas 00AS and Robert M. Ferguson III 01AS of Fair Lawn, N.J., with big sister Charlotte Mia.



Jacob Thomas, born May 15, 2012, to Heather Kokstein Zebley 01AS and Zack Zebley, of Odessa, Del., with big sister Zella Michelle.

*Reach further. Be fearless.*  
**Find *your* path.**

A Sanford education is not one path that invites every student to conform, but a multitude of paths converging in a single direction of excellence. Our rigorous college prep curriculum energizes the bold pursuit of learning. And our culture instills integrity, inclusiveness and respect.

Try something different, try something bolder —  
and achieve something greater — at Sanford.

Pre-K to 12 [sanfordschool.org](http://sanfordschool.org)



**SANFORD**  
SCHOOL



## New Additions



Vivian Ann, born Feb. 7, 2013, to Jennifer Summonte Poynton 00EH and Aaron Poynton, of Joppa, Md., with big sister Riley Elisabeth.



Brendan Michael, born Aug. 14, 2012, to Allison Proud 01BE and Adam Proud 00BE, of West Chester, Pa., with big brother Carter William.



Peyton Carter, born April 30, 2012, to Mari Gross-Lau 01HS and Davin Lau, of Palm Beach Gardens, Fla.



Hailey Lane, born Feb. 19, 2013, to Lauren Marron Smith 04EH and Adam Smith 04EG, of Easton, Pa., with big brother Owen.



Charles Phillip II and William Strain, born Feb. 23, 2012, to Maryellen Wikoff and Christopher Wikoff 94AS, of Wilmington, Del.



Eli Robert, born Sept. 6, 2012, to Jennifer Hutchison and Robert Hutchison 00HS, of Easthampton, Mass., with big brother Owen.



Sydney Marinna and Aubrey Stella, born Sept. 14, 2012, to Erin Schilling Lee 98EH and Christopher Lee, of Harvest, Ala.

**National**  
5¢ & 10¢ STORES, INC.

**Something for every member of the family!**

**The widest selection of infant, toddler, & youth clothing!**

**THE place for state of Delaware & authentic University of Delaware souvenirs, gifts, & apparel!**

**Stop by or visit us online**  
66 East Main St., Newark, DE  
(302) 368-1646 National5and10.com

**THE Deer Park Tavern**  
ESTABLISHED 1851 • NEWARK, DE

*Newark's Oldest College Restaurant  
Celebrating over 160 years*

Next time you are in town, come in and visit!  
*Bob and Sandy Keene-Ashby, Owners, Class of 1977*

108 W. MAIN STREET • NEWARK, DE 19711  
**(302) 369-9414**

# In Memoriam



**Lilian Brown Watkins 31EH,**  
**33EH,** of Elkton, Md., Sept. 23,  
2012

**Anna E. Dougherty 32AS,** of  
Mitchellville, Md., April 25, 2013

**Simon M. Berger 34EH,** of  
Wyndmoor, Pa., Jan. 7, 2012

**Ruth Hanley Hannigan 37AS,** of  
Philadelphia, Pa., March 9, 2013

**Ernest A. Davidson 39EG,** of  
Downers Grove, Ill., Jan. 12, 2011

**Edwin J. Rivers 39EG,** of Garden  
City, N.Y., March 19, 2010

**Miriam Hoopes Carney 40HS,**  
of Northfield, N.J., Dec. 21, 2006

**Jean Motherall Clem 40EH,** of  
Kennett Square, Pa., Feb. 14,  
2013

**Virginia Tyler Douglass 40AS,**  
of Huntsville, Ala., Jan. 22, 2013

**Leonard G. Weinstock 41AS,** of  
Wilmington, Del., March 1, 2013

**Arthur T. Worth 41AS,** of Closter,  
N.J., Feb. 21, 2013

**Jane Denninson Cotty 42EH,** of  
Evans, Ga., May 18, 2013

**Joseph H. Riddle 42AG,** of  
Wilmington, Del., May 16, 2013

**Doris McIlvaine Frazier 43AS,**  
of Magnolia, Del., April 16, 2013

**James C. Moffett Jr. 43AS,**  
**51EH/M,** of Wilmington, Del.,  
April 14, 2013

**Elizabeth Eckles Bogart 44AS,**  
of Myrtle Beach, S.C., May 16,  
2013

**Thomas R. Saunders 44EG,** of  
Radnor, Pa., Dec. 31, 2010

**Stephen C. Vaughn Sr. 46EG,** of  
Mount Dora, Fla., June 3, 2013

**Edith Lyons Kee 47EH,** of  
Spokane Valley, Wash., Feb. 20,  
2013

**Gilbert N. Kaskey 48AS/M,** of  
Philadelphia, Pa., March 18, 2007

**Elizabeth Loose Norton 48AS,**  
of Bethlehem, Pa., March 1, 2013

**Harold S. Burt 49EG,** of Las  
Vegas, Nev., Feb. 26, 2013

**Marcia Buettell Faulkner 49AS,**  
of Newark, Del., Feb. 25, 2013

**Jay J. Herrmann 49AS,** of  
Wilmington, Del., April 17, 2013

**Robert L. Melson 49EG,** of  
Millsboro, Del., April 12, 2008

**Emory J. Mitchell 49AS,**  
**50AS/M,** of Newark, Del., June 3,  
2013

**Rosewell F. Ogden II 49EG,** of  
Pennsville, N.J., June 10, 2013

**Horace G. Prall 49EG,** of  
Jacksonville, Fla., March 21, 2013

**William B. Ratledge Jr. 49EG,** of  
Florissant, Mo., Sept. 6, 2006

**James H. Alexander 50EG,** of  
Smyrna, Del., March 6, 2013

**Spofford J. Beadle 50AS,** of  
North Tarrytown, N.Y., May 24,  
2013

**Alex Jackson 50EG,** of Berkeley,  
Calif., May 2, 2013

**Jane O'Neill Jacobs 50EH,** of  
Smyrna, Del., March 23, 2013

**Leroy Seiden 50AS,** of Boca  
Raton, Fla., Dec. 31, 2012

**Alice LeGro Taylor 50AS,** of  
Newark, Del., March 15, 2013

**Jefferson C. Weekley Jr. 50BE,**  
of Roswell, Ga., June 5, 2013

**Nancy Nicoll Durstein 51AS,** of  
Palm Harbor, Fla., Dec. 7, 2012

**Carl C. Frankenfield 51AS/M,** of  
Halethorpe, Md., April 8, 2007

**Walter A. Moyer Jr. 51AS/PhD,**  
of Middlebury, Vt., May 9, 2013

**Gregory Sarmousakis 51AS,** of  
Wilmington, Del., March 7, 2013

**Raymond J. Hancock 52EH/M,**  
of Middletown, Del., June 2, 2013

**Janet Boutin Eissner 53AS,** of  
Newark, Del., March 24, 2013

**David A. Riblett Sr. 53BE,** of  
Wilmington, Del., June 10, 2013

**John S. Rosebery Jr. 53AS,** of  
Sewell, N.J., March 8, 2013

**John H. Yienger 53AS/M,** of  
Locust Grove, Va., April 9, 2012

**Lyn Backora Dinehart 54EH,** of  
Sandy, Utah, March 1, 2013

**James D. Fix 54AS,** of Brunswick,  
Ga., Nov. 20, 2010

**George H. Reed Jr. 54AS,** of  
Mansfield, Mass., March 26, 2013

**Andrew D. Lin 55EG/M,** of  
Saratoga, Calif., June 5, 2013

**Alvin J. Major Jr. 55EG,** of  
Chesapeake City, Md., March 9,  
2013

**James R. McCarthy 55EG,** of  
Hoover, Ala., June 6, 2010

**John J. McFadden 55EG,** of  
Hockessin, Del., May 6, 2013

**Richard Sobel 55EG/M,** of  
Alexandria, Va., Nov. 1, 2012

**Richard L. Strayer 55EH/M,** of  
West Chester, Pa., May 14, 2013

**W. Robert Cherry Jr. 56EG,** of  
Santee, Calif., Dec. 3, 2012

**Joseph M. Deschak 56EH/M,** of  
Aberdeen, Md., Feb. 20, 2013

**Mary Larkin Dugan 56AS,**  
**75AS/M,** of Kennett Square, Pa.,  
April 8, 2013

**George C. Gatos 56AS/M,**  
**59PhD,** of Wilmington, Del., April  
6, 2013

**Barbara Graves Hackett 56AS,**  
of Punta Gorda, Fla., March 19,  
2013

**Mary Ludvigson Ingman 56EH,**  
of Wilmington, Del., April 21,  
2013

**William B. Neal 56AS,** of  
Claymont, Del., April 15, 2013

**Richard W. Whealey 56AS,**  
**62EH/M,** of Brooklyn, N.Y., March  
6, 2013

**Leonard L. Williams 56AS,** of  
Wilmington, Del., March 3, 2013

**Constance Ellis Davis 57EH,** of  
Sugar Hill, Ga., April 1, 2013

**George H. Frazier 57EH/M,** of  
Thornton, Pa., Feb. 17, 2013

**Darrell L. Lynch 57AS/M,** of  
DeKalb, Ill., March 28, 2013

**Robert R. Moneymaker 57EG,**  
**60M,** of Bethany Beach, Del.,  
April 24, 2013

**James Morrash 57EG/M,** of  
Media, Pa., May 26, 2013

**Malcolm J. Simpson 57EH/M,** of  
Pittsburgh, Pa., May 17, 2013

**Richard H. Stewart 57AS,** of  
Southport, N.C., May 29, 2013

**Robert G. Craig 58BE/M,** of  
Allentown, Pa., Dec. 12, 2008

**Patricia Pennington Cooper**  
**59HS,** of Wilmington, Del., March  
7, 2013

**Dennis G. Luker 59EG,** of  
Bothell, Wash., March 14, 2013

**Robert E. Epler 60AS/M,** of  
Lancaster, Pa., Feb. 20, 2013

**Thomas R. McMullen Jr. 60BE,**  
of Newark, Del., April 10, 2013

**Betty A. Morrell 60EG,** of  
Lansdale, Pa., Jan. 1, 2013

**Linda Turner Goode 61EH,** of  
Wilmington, Del., March 14, 2013

**Louis Soscia 61EH/M,** of  
Brookhaven, Pa., Feb. 20, 2013

**R. Arnold Boyer Sr. 62AG,** of  
North Fort Myers, Fla., March 19,  
2013

**Kay Ellis Efron 62EH,** of Chevy  
Chase, Md., May 17, 2013

**Lewis C. Winters Jr. 62AS, 64M,**  
**69PhD,** of Santa Barbara, Calif.,  
April 18, 2013

**Joan Mendenhall Collins 63EH,**  
of Hockessin, Del., March 22,  
2013

**Gerald L. Goudreau 63EG/M,** of  
Livermore, Calif., Dec. 30, 2011

**William G. Batt Jr. 64AS,** of  
Austin, Texas, March 7, 2013

**Patricia Minker Cannon 64EH,**  
of Centreville, Del., April 20, 2013

**Richard M. Johnson 64EG,** of  
Lincoln, Del., March 1, 2013



**Alan G. Lewis 64AS/M**, of Perryville, Md., June 11, 2013

**Gwendolyn Henrion Roman 64AS**, of Newark, Del., May 19, 2013

**E. Anne Pearson Ross 64EH, 67M**, of Emerald Isle, N.C., Feb. 10, 2013

**W. Southard Jones Jr. 65AG**, of New Castle, Del., June 19, 2013

**Brigitte Kittermann Heinzel 66EH**, of Philadelphia, Pa., Jan. 30, 2010

**Betty Largent Moran 66EH, 78M**, of Newark, Del., May 31, 2013

**John R. Destaffaney 67BE**, of Spring Hill, Fla., June 16, 2012

**William R. Jorgensen 67EG**, of Yardley, Pa., Nov. 26, 2012

**Suzanne Huff Kellogg 67HS**, of Pepperell, Mass., Feb. 22, 2013

**Edward Marshall 67EG**, of North Branford, Conn., Aug. 1, 2012

**William T. McConchie 67BE**, of Bear, Del., Feb. 17, 2013

**Marion Rahm Modi 68EH/M**, of Glen Mills, Pa., June 3, 2013

**Maynard D. Reinbold 68EH/M**, of Smyrna, Del., May 27, 2013

**Fredric M. Rohm 68AS**, of Felton, Del., April 16, 2013

**Jean M. Fagan 69EH/M**, of Ridgely, Md., April 23, 2013

**Alexius V. Streltsov 69HS**, of Oakland, Calif., April 5, 2013

**John R. Daisey Jr. 70EG**, of Newark, Del., March 7, 2013

**Jacqueline Sullivan Spare 70AS**, of Columbia, Md., May 28, 2013

**Charles R. Keating III 71AS**, of Forty Fort, Pa., March 9, 2013

**Richard S. Lio 71EH**, of Wayne, N.J., May 30, 2013

**David M. Seaman 71EG**, of Avon, N.C., March 11, 2013

**Anna Plepis Shaw 71EH/M**, of Washington, Utah, March 10, 2013

**Betty F. Thacker 71AS/PhD**, of Critz, Va., May 31, 2013

**Ann E. Wilgus 71AS**, of Bethany Beach, Del., March 14, 2013

**Maggie Deputy Hoagland 72AS**, of Kennett Square, Pa., Jan. 18, 2013

**Philip H. MacInnis III 73AG**, of Newark, Del., March 27, 2013

**Russell J. Balge 74AG/PhD**, of Manitowoc, Wis., Jan. 3, 2013

**Frederick K. Funk 74BE**, of Newark, Del., April 8, 2013

**Stephen L. LaGrone 74BE**, of Plano, Texas, March 1, 2013

**William L. Stewart 74AS, 76M**, of Middletown, Del., June 6, 2013

**Richard E. Doran II 75AG, 79M**, of Flemington, N.J., April 20, 2013

**Barry D. Moore 75AS**, of San Antonio, Texas, Dec. 25, 2012

**Joseph M. Petro 75AS**, of Bear, Del., March 12, 2013

**Frank H. Hamilton 76BE**, of Landenberg, Pa., March 18, 2013

**David J. Hughes 76EOE/M**, of Portsmouth, R.I., April 21, 2013

**Christopher A. Macey 76AS**, of Bridgeton, N.J., March 26, 2013

**Richard A. Pellegrini 76AS**, of Sinking Spring, Pa., Feb. 15, 2013

**Deborah Quinn Burchfield 77EH**, of Newark, Del., March 12, 2013

**Bernd N. Laudorn 77BE**, of Newark, Del., June 5, 2013

**William E. Lloyd Jr. 77HS**, of Wilmington, Del., June 7, 2013

**John J. Connell III 78AS**, of Wilmington, Del., March 9, 2013

**Tina K. Linn 78AG, 79HS**, of West Chester, Pa., May 16, 2013

**W. Warren Taylor Jr. 78BE**, of Elmer, N.J., March 1, 2013

**Melanie A. Marini 79AS**, of Wilmington, Del., June 14, 2013

### Rest in peace, Your Honor

*When Judge Leonard Williams '56, died March 3, 2013, Tony Allen '93 and Monté T. Squire '95 wrote a tribute that was published in the Wilmington News Journal. Following is an excerpt from that piece, which can be viewed in full at [www.udel.edu/udmessenger](http://www.udel.edu/udmessenger).*

We were lucky to have the opportunity to work with [Judge Williams], all too briefly, on some of the things he had cared about his entire life.

We were always completely aware of his legacy and understood the importance and gravity of his work and the example he set for our own lives and professional careers.

Judge Williams went on to great acclaim as an accomplished attorney and Wilmington Municipal Court judge. In his later years, he became "mentor-in-chief" for a program at Howard High School, his alma mater, for juniors and seniors aspiring to careers in law.

Because of the work of Attorney Louis L. Redding, who eventually became Judge Williams' mentor and law partner, Judge Williams was able to complete his undergraduate studies at the University of Delaware in the mid-1950s, when there were literally just a handful of African-American students on campus.

We were students at the University of Delaware 40 years later, when there were still just a few of us, but there was an unwritten expectation that we, as African-American students, would not only do our level-best academically, but also take personal responsibility to make the University a better, more inclusive environment than it was when we arrived. That spirit was born with the likes of Judge Williams and the very small cohort of African-American/UD pioneers in the middle of the 20th century. Their collective legacy endures. ■



## Committed to Sustaining and Improving Our Environment

Recently, thanks to the loving stewardship of residents and staff, Kendal-Crosslands Communities' 500-acre campus adjacent to Longwood Gardens won national recognition as an arboretum. Join us in "Together, transforming the experience of aging."

**800-216-1920 • KCC.Kendal.org**

**KENDAL®~CROSSLANDS**  
*Communities*

*Together, transforming the experience of aging.®*

1109 E. Baltimore Pike • Kennett Square, PA 19348

A Not-for-Profit Continuing Care Retirement Community  
Serving Older Adults in the Quaker Tradition



©2013 KENDAL



# TODAY

isn't just another day.  
Today I will...



Affiliated with Simpson Senior Services

Freedom—experience it at a whole new level when you choose retirement living at Jenner's Pond. Here, you can free yourself of the burdens associated with home upkeep and maintenance. Here, nothing is dictated and opportunities for fun, creativity, learning and socializing abound each day. Our friendly staff is always ready to serve you and you can enjoy greater peace of mind knowing health care services will be available, should you ever need them. **Make the most of today. Call to schedule a personal visit.**

2000 Greenbriar Lane • West Grove, PA 19390 • 888.536.6377 • 610.869.6801 • [www.jennerspond.org](http://www.jennerspond.org)





**Charles D. Jackson 80AS**, of  
Bradenton, Fla., March 19, 2011

**Susan Hering Logan 80AS**, of  
Newark, Del., April 14, 2013

**Michael P. Kerrigan 82BE**, of  
Newark, Del., Feb. 8, 2013

**Linda A. Vojir 83AS**, of Cherry  
Hill, N.J., Aug. 8, 2011

**Bruce L. Bisson 84BE**, of  
Wilmington, Del., June 15, 2013

**Kim Petrilli Pepper 84AS**, of  
Fairfax, Va., Feb. 18, 2013

**Anthony J. Crescenzi Jr. 85AS**,  
of Salem, N.J., March 13, 2013

**Edward F. Crowe 85AS**, of  
Middletown, Del., April 5, 2013

**David M. Diodato 85EO**, of  
Washington, D.C., March 14, 2013

**Christopher J. Oetting 85AS**, of  
Palm Desert, Calif., Feb. 16, 2010

**Hilary A. Petit 86AS**, of Wasilla,  
Alaska, May 24, 2013

**Cynthia Noto Boehm 88AS**,  
**90EH/M**, of Newark, Del., Feb. 20,  
2013

**James W. Domorod Sr. 91AS/M**,  
of Wilmington, Del., Jan. 8, 2013

**Eddie G. Mahler Jr. 93EG**, of  
Newark, Del., May 10, 2013

**Tim K. Madison 95AS**, of  
Newark, Del., Feb. 23, 2013

**Charles D. Moore 96AS**, of  
Newark, Del., March 21, 2013

**Andrew R. Riffkin 96HS**, of  
Gaithersburg, Md., Aug. 12, 2012

**Elizabeth G. Chambers 97EH**, of  
Wilmington, Del., Feb. 22, 2013

**Benjamin Z. Miller 00AS**, of  
Wilmington, Del., June 3, 2013

**Jean F. Dannreuther 01AS**, of  
Lewes, Del., May 12, 2013

**Sarah L. Rector 07AS/M**, of  
Denver, Colo., March 16, 2013

**Gurdeep Singh 09AS**, of  
Wilmington, Del., May 5, 2013

**Benjamin T. Nangeroni 11BE**, of  
Philadelphia, Pa., June 4, 2013 ■

## Faculty

**James R. Katzer**, a professor of chemical and biomolecular engineering from 1969–81, who is credited with establishing UD's Center for Catalytic Science and Technology, an early pioneer of multidisciplinary research in the scientific and engineering principles of catalysis, Nov. 2, 2012.

**Wenbo V. Li**, professor of mathematical sciences who joined the faculty in 1992; held adjunct positions with the Department of Electrical and Computer Engineering at UD, the Department of Applied Mathematics and Theoretical Physics at Delaware State University and the Department of Mathematics at the Harbin (China) Institute of Technology; was elected a fellow of the Institute of Mathematical Statistics in 2006; and spearheaded the development of probability as a research focus at UD, Jan. 26, 2013.

**Victor Spinski**, professor of art from 1968 until his retirement in 2006 and a well-respected ceramic artist whose work has been exhibited and is in permanent collections across the U.S. and abroad, Jan. 21, 2013.

**Roger Jacob Steiner**, professor emeritus of linguistics and cognitive science and a lexicographer, who taught at UD for 33 years, revised five Spanish and English dictionaries and whose French and English dictionary sold millions of copies, Nov. 2, 2012. ■

*What part of the  
University of Delaware  
is special to you?  
To your family?*

Why not leave a lasting legacy  
at Delaware with a gift  
from your estate –  
create a scholarship  
in your name, or

endow a professorship in honor of a parent,

or create your own plan in support of future generations of Fightin' Blue Hens.

Contact the Office of Gift Planning to explore your options at

302-831-6798 or via email: [martham@udel.edu](mailto:martham@udel.edu)

[www.udel.edu/giftplanning](http://www.udel.edu/giftplanning)



Office of University  
Development

**Editors**

Ann Manser	Managing Editor
Neil Thomas	Senior Editor
John Brennan	Executive Editor
Deborah Hayes	Vice President for Communications & Marketing

**Art, Design and Production**

Molly Chappell	Art Director
Daniel Wright	Class Notes & Production
Molly Chappell	Online Production

**Photography**

Kathy F. Atkinson	Senior Photographer
-------------------	---------------------

**Advertising Sales**

Nick Biasotto	University of Delaware
Tom Allen	Stellenbosch Co.

The University of Delaware community values both personal and academic freedom. All members of the campus community have the personal responsibility to promote an atmosphere of civility in which the free exchange of ideas and opinions can flourish. We do so by learning from individual and collective differences and respecting every human being.

The University of Delaware *Messenger* (USPS 010-743) is published quarterly by the University of Delaware Office of Communications & Marketing. To remove your name from the mailing list, please email [bio-updates@udel.edu](mailto:bio-updates@udel.edu). Inquiries should be addressed to Ann Manser, Managing Editor, Academy Building, 105 East Main St., Newark, DE 19716-7201, telephone (302) 831-2792, fax (302) 831-1440, email to [TheMessenger@udel.edu](mailto:TheMessenger@udel.edu). For information on advertising, please call (302) 831-2792. Periodical postage paid at Newark, DE 19711 and at additional mailing offices.

The University of Delaware does not discriminate on the basis of race, color, national origin, sex, disability, religion, age, veteran status, gender identity or expression, or sexual orientation in its programs and activities as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, and other applicable statutes and University policies. The following person has been designated to handle inquiries regarding the Americans with Disabilities Act, the Rehabilitation Act, and related statutes and regulations: Tom Webb, Director, Office of Disabilities Support Services, 325 Academy Street, Suite 161, University of Delaware, Newark, DE 19716, Phone: 302-831-4643. The following person has been designated to handle inquiries regarding the non-discrimination policies and to serve as the overall campus coordinator for purposes of Title IX compliance: Bindu Kolli, Director, Policy, Compliance & Equity, 305 Hulliher Hall, University of Delaware, Newark, DE 19716, Phone: 302-831-8063. The following individuals have been designated as deputy Title IX coordinators: for Athletics, Samantha Huge, Deputy Director of Athletics & Rec. Services, BCC – 631 S. College Ave., University of Delaware, Newark, DE 19716, 302-831-4006; and for Student Life, Dawn Thompson, Dean of Students/AVP for Student Life, 101 Hulliher Hall, University of Delaware, Newark, DE 19716, 302-831-8939. Inquiries concerning the application of anti-discrimination laws may be referred to the Title IX coordinators or to the Office for Civil Rights, United States Department of Education. For further information on notice of nondiscrimination, visit <http://wdcrocolp01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the U.S. Department of Education office that serves your area, or call 1-800-421-3481.

Check out the *Messenger* online at [www.udel.edu/UDMessenger](http://www.udel.edu/UDMessenger).

POSTMASTER: Send address changes to University of Delaware Messenger, Academy Building, 105 East Main St., Newark, DE 19716.

## Orchestra performs on global stage in Colombian tour



EVAN KRAPE

**W**hen members of the University of Delaware Symphony Orchestra traveled to Colombia this summer, they shared a unique opportunity to make beautiful music, learn about a new culture and create friendships that will last a lifetime.

The orchestra's first international tour saw nearly 70 UD student musicians partnering with 50 of their Colombian peers from Central University and Pontificia Universidad Javeriana for three performances featuring works by Sir Edward Elgar, Frederic Delius, Howard Hanson and Kevin Puts.

This symphonic sojourn to Bogota represents the second stage in a three-year partnership. Previously, faculty from the participating universities traveled abroad to serve as guest conductors.

James Allen Anderson, UD orchestra director, says the focus of this collaboration was for the students to experience a true cultural immersion in the host country.

During their seven-day stay, the visitors from the First State toured Colombian sites, shared meals and performed and celebrated with participants from the host orchestras.

"To make beautiful, meaningful music takes more than simply playing the right notes and rhythms," Anderson, assistant professor of music, says. "It is important to know and respect your fellow musicians. I'm convinced that lifelong friendships were forged on this trip."

For the musicians, a highlight of the tour was performing in Zipaquirá Salt Cathedral, which sits 180 meters underground in the largest deposit of rock salt in the world.

"The remarkable engineering achievement of carving a cathedral out of a mine, paired with the beauty of the salt crystals and undulating lighting, set the tone for a remarkable performance," Anderson says. The audience of more than 1,000 celebrated the playing of Colombia's national anthem with instant applause, singing and dancing.

Pilar Navarrete-Hernandez, a graduate student in bassoon performance, says she continues to hear from Colombian students "who are very motivated to continue their studies in America, possibly at UD." ■





INTRODUCING  
**SIDNEY THOMAS**  
JEWELERS

FROM ROSS-SIMONS

CHRISTIANA MALL 302.369.3255

[SIDNEYTHOMAS.COM](http://SIDNEYTHOMAS.COM)



Office of Communications & Marketing  
University of Delaware  
The Academy Building  
Newark, DE 19716-7201

[www.udel.edu](http://www.udel.edu)

## STONEGATES *A 65+ Community*

## We're Living It Up at Stonegates!

Remember all the great things you  
enjoyed when you were in college?

- Friendships
- Events
- Trips
- Camaraderie

Make the move to Stonegates and  
relive the pleasures of your youth ~  
only now, enjoy them with luxurious  
accommodations and gourmet dining!

Scan the code with your  
smart phone to see what  
Genie has to say about  
her move to Stonegates!

