

WRIGHT STATE

UNIVERSITY MAGAZINE

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face value

how a wright state grad gives
hope to burn victims





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Pictured: Dance majors take daily ballet classes in one of several studios in the Creative Arts Center.



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Welcome to this issue of *Wright State University Magazine*.

This year marks the 45th anniversary of Wright State University, and what a fascinating 45 years it has been! From our humble beginnings with one academic building on 557 acres of open land to a vibrant campus with nearly 20,000 students, Wright State has come a long way.

Thanks to our incredibly talented and dedicated faculty and staff, we are now a national and international leader in academic excellence, groundbreaking research, and innovative collaborations with the government, military, and private industry.

But our greatest legacy over the last 45 years is our alumni, who are changing lives across the globe. Graduates like Jennifer Whitestone, who is using the latest technology to produce masks that help burn patients heal, or Dave Strobhar, who works to improve the safety of oil refineries and chemical plants.

And if you live in the Dayton or Cincinnati regions, you are certainly familiar with the work of Larry Klaben, CEO and president of Morris Home Furnishings. Larry is one of the furniture industry's most successful entrepreneurs, and we are fortunate to have him as our chair for the Wright State University Board of Trustees.

In this issue, you will meet Jennifer, Dave, Larry, and many of our other successful alumni who are helping to drive the economic development and prosperity of our region, state, and nation. You'll also get acquainted with graduates who are leaders in sustainability and find out how Wright State's campus is becoming greener.

Wherever you may be reading this right now, in the comfort of your family room recliner or the beauty of your front porch, please join me in raising a glass, coffee mug, or teacup to Wright State University. Happy anniversary, Raiders! It's been a great 45 years so far. Here's to 45 more!

Warmest regards from campus,

A handwritten signature in blue ink that reads "David R. Hopkins". The signature is fluid and cursive.

DAVID R. HOPKINS
PRESIDENT
WRIGHT STATE UNIVERSITY

saving face

when jennifer whitestone used her education and research experience to treat a burn victim, it changed her life as well

By TIMOTHY R. GAFFNEY





By precisely measuring facial contours, Whitestone's company can make masks that reduce scarring for burn victims.

TOTAL CONTACT INC. IS MORE THAN A business to founder Jennifer Whitestone: it's a mission.

Whitestone made the leap from federal employee with job security to startup business owner after using her biomedical engineering skills to help someone who had been badly burned in an accident—someone, as it turned out, she had known most of her life.

Since 1998, Whitestone's small company in Germantown, Ohio, has been using surface-scanning technology to produce precisely fitted masks that promote healing and reduce scarring of patients who have suffered facial burns.

The company is a commercial outlet for medical technology Whitestone developed as a biomedical engineer in the Air Force Research Laboratory at Wright-Patterson Air Force Base.

Whitestone abandoned a comfortable career to pursue an unusual business that depended on new technology.

"It was a huge leap," she agreed. A federal civil service job had a lot to like. "It was a decent salary. It was retirement and benefits and insurance and all those things. Job security," she said. "I enjoyed my work there, but I just felt really driven to take this product to market."

Her work at WPAFB was just what Whitestone had spent years preparing to do. Raised in Lebanon, Ohio, she attended her father's alma mater, Virginia Tech, to get a bachelor's degree in engineering science and mechanics with a concentration in biomedical engineering. After earning her B.S. in 1986, she went to work at the base and began working on her master's in biomedical engineering at Wright State. She graduated in 1995.

In her first job, Whitestone worked with dummies—crash dummies, that is. "They're used in the car industry to study car crashes," she said. "In the Air Force, they're used to determining what the body goes through in ejection scenarios."

Whitestone wired up dummies with test instruments, gathered data in tests, and then used the data in computer models. "It was fun. It was a real hands-on job," she said.

Her next assignment was in human engineering, which introduced Whitestone to three-dimensional surface scanning applications. "It was brand new, and I really became enamored with the world of 3-D scanning," she said.

Whitestone was working in the field of anthropometry, which involves precisely measuring the human body. Her research was aimed at making better-fitting clothes and protective gear, such as oxygen masks for pilots.

The work utilized the medical imaging analysis Whitestone had learned at Wright State in her biomedical engineering program, and she saw potential medical applications for anthropometry—using surface scanning with lasers to measure wound healing, for example.

It was work that drew the interest of burn therapists from Miami Valley Hospital. In 1997, Whitestone recalled, “They came to me and said, ‘Hey, we have this patient who needs a burn mask. Do you think you can figure out how to make him one?’”

She had no way of knowing the patient who needed her help was someone she had known since childhood.

A burn mask reduces scar tissue buildup by pressing against the skin. Since scars grow continuously, a burn patient must wear the mask up to 23 hours per day for a year or longer. A precise fit is important for good results and comfort.

In the 1990s, the standard practice for making a burn mask was to cover the patient’s face with plaster to make a cast—a process that was uncomfortable at best and didn’t result in a perfect fit, Whitestone said.

“By using surface scanning, we’re going to capture the contours of the person’s face with sub-millimeter accuracy, and then we can replicate that,” Whitestone said. “We can also smooth the scars out ahead of time, so that the mold itself is a smooth representation of their face and not a scarred representation.” The end result is a plastic mask that fits better and helps the patient’s face heal better than earlier models.

When Whitestone finally met the patient, “I was shocked. I was very shocked,” she said. The patient was Jim VanDeGrift, who had coached football and track at Lebanon High School while Whitestone was a student there.

“I knew him very well. He and his family went to our church and I grew up with his kids,” Whitestone said. He had recently retired but had been severely burned in an accident with his lawn tractor.

Whitestone and others who volunteered for the project scanned VanDeGrift’s face with a laser and made the mask. But much of its success would depend on him. The retired coach would have to keep it on up around the clock for it to be fully effective.

“Coach VanDeGrift was a very disciplined man, so he wore the mask like he was supposed to, and I started to

see over the months that his scars were receding, and it was very dramatic,” Whitestone said.

The experience convinced her to make burn masks for other fire victims. “It became my passion. I wanted to get the technology out to other burn patients,” she said.

She set up her fledgling company in vacant space in the former St. Elizabeth’s Hospital in Dayton, then moved it to a storefront building in Germantown, near her home.

Total Contact remains a small company with just a handful of employees, but Whitestone said it isn’t sales or profits that drive her. “This business in many respects is a mission,” she said.

Even so, Whitestone has expanded Total Contact beyond burn masks.

For example, her company recently completed a three-year project for the National Institute for Occupational Safety and Health to measure 951 firefighters across the country. The data will help equipment suppliers design safer and better-fitting gear, from gloves to fire engine seatbelts.

Also, a joint venture between Total Contact and another small company has created five patent applications with the goal of developing new medical products.

Whitestone gives Wright State a lot of credit for her accomplishments.

“I think Wright State was instrumental. I don’t think I would be where I am now without Wright State,” she said. It’s one of the reasons why she has stayed close to the university as an adjunct faculty member and advisor.

Whitestone said her company collaborates with Wright State to provide senior design projects for undergraduates in biomedical engineering. “We give them a project and we team the students up so there are generally two or three students on a team, and they work on the project and we work with them throughout the year,” she said.

“It’s a great program. I just love working with the students. They’re seniors, so they’ve had all the foundation of engineering for the undergraduate perspective, and then we give them a real-world problem, and it’s usually something we’re working on at the time, so we are very interested in it.

“So I haven’t gone far from Wright State,” Whitestone said. “Even though I graduated, I keep coming back.” **W**



This ear cast illustrates the accuracy of surface scanning technology.



earth angels

these three alumni work to create a culture of environmental responsibility—on campus and beyond

By JIM HANNAH

green machinist

A YEAR AFTER THE CUYAHOGA RIVER CAUGHT FIRE, Earth Day was born. 1970. It was the first wave of the environmental movement, and high school senior Linda Ramey was riding it.

Since then, Ramey has made a colorful and impressive career out of her love for nature and the environment. She has worked on a Kansas prairie and at the Chicago Botanic Garden. She has carved nature trails and helped herd bison. She has helped spearhead recycling efforts and conducted creative research aimed at getting children off the couch and into nature.

“Nature has been the theme of my whole life,” Ramey said. “It’s been a lifelong passion.”

Ramey’s latest stop is as associate director of Wright State’s Office of Sustainability.

She and Director Hunt Brown are working with others such as Energy Manager John Howard and Custodial Services Manager Gina Reese to make the campus greener.

More recycling containers sit next to trashcans. Solar thermal panels catch rays on the roof of the Student Union. Buildings have become more energy efficient. A campus community garden that will supply vegetables to the student food pantry has taken root.

Ramey is also pleased to have the support of Dean Charlotte Harris for a three-month pilot program to make offices in the College of Education and Human Services (CEHS) greener and more cost efficient.

Harris applauds the initiative.

“Working together toward sustainability and fiscal responsibility, we in the College of Education and Human Services will provide a model that can be replicated university wide,” Harris said.

“So many things have taken off, and I love working with the behind-the-scenes people on campus who make these things happen,” added Ramey, who helps to publicize the efforts on the university’s Sustainability website.

A recent interview with Ramey is interrupted when a student stops by her office to thank her for working to get more recycling bins around the campus. Ramey gives the student her business card in hopes he will join her small—but growing—environmental army.

“This is what happens more and more often in my day. I love it,” said Ramey. “We have a freshman class this year that’s the greenest we’ve ever had. They want to see more energy efficiency on our campus. They want to see more recycling. They want to see that we’re responsible in how we take care of the university’s woods. These are examples of how concerned they are about sustainability.”

Ramey is also passionate about the woods—200-plus acres of trees, wildflowers, and wildlife that not only enhance the beauty of the campus but also serve as a research laboratory. She calls it a unique treasure.

Parks and woods were one of many outdoor childhood playgrounds for Ramey, who grew up on the west side of Cincinnati, the daughter of a policeman. After graduating high school, she studied mostly sciences—at Xavier University, the College of Mt. St. Joseph, and the University of Cincinnati.

Ramey first arrived at Wright State in the mid-1980s to work with Jim Runkle, Ph.D., on a master's degree in forest ecology. The U.S. Army transferred her family to Kansas, where she attended Kansas State University. It was there that she worked as an educator on the Konza Prairie Biological Station, a 13-square-mile preserve of native tallgrass prairie that is home to a herd of several hundred bison, as well as deer and wild turkeys.

Another transfer took her to Illinois, where she landed a job at the Chicago Botanic Garden, a 385-acre park that features two dozen display gardens and four natural areas on nine islands surrounded by lakes. It also serves as a center for learning and scientific research, as well as community gardening outreach, where her efforts were focused.

Still another transfer steered her to South Carolina, where she taught math and science at the University of South Carolina and volunteered at the Clemson University Sandhill Research and Education Center.

Along the way, Ramey obtained her Ph.D. in science education from Kansas State. Then, in 1995, Wright State beckoned.

Ramey became the one of the university's first dual-appointment educators, teaching in both the Department of Biological Sciences and the College of Education and Human Services. She later became Director of the CEHS Office of Field Experience, overseeing the placement of student teachers in Miami Valley-area schools. She also headed up and taught in the middle childhood education program.

But environmental science education remained Ramey's passion.

She created Thumbprint Endeavors Environmental Consulting in 1993 to help clients, like churches, conserve energy and green their buildings, operations, and their people's activities.

She helped start Miami Valley Leave No Child Inside, part of a national movement to get children outside to play and explore the joys of nature. During workshops, Ramey repeatedly heard from parents that they had wonderful personal memories of playing outside as children, before the rise in popularity of computers and cable TV.

So Ramey began asking the parents to sketch their experiences in an attempt to reignite their excitement about the outdoors and infect their children with that enthusiasm. So far, Ramey has collected more than 300 diagrams and accompanying narratives.

"That emotional piece connects with people, whereas statistics don't always sway somebody," Ramey said. "My hope and the hope of everybody with Leave No Child Inside is to get the kids back outside by reminding the parents of the many benefits."

■



PHOTO BY TREVOR SEELA

no ordinary joe

VETERANS HEALTH ADMINISTRATION MEDICAL CENTERS HAVE MADE GREAT STRIDES recently in energy efficiency and protecting the environment. The use of alternative fuels, lighting upgrades, sustainability-related construction, and special storage for hazardous materials are now in the arsenal.

Wright State University graduate Joe Bozeman has played no small part in these achievements.

Twenty-seven-year-old Bozeman works at the Captain James A. Lovell Federal Health Care Center in North Chicago, Ill., as a Green Environmental Management Systems (GEMS) coordinator, a position established by the VA in 2005.

"I essentially get to wake up every day and champion or implement all things 'green' within our health care center," said Bozeman.

The projects have helped achieve mandates established by Presidents Clinton, Bush, and Obama.

And Bozeman's expertise has enabled him to step beyond the VA world.

At the 2011 GreenGov Symposium in Washington, D.C., he made a presentation on the development of the Cold Composting Calculator, a tool he developed to measure the benefits of letting grass clippings decompose on the lawn instead of removing them. And Bozeman has represented the federal government in a new program designed to get students in K-12 interested in STEM (science, technology, engineering, and mathematics) professions.

"There has been a wealth of other experiences that I've had in my short career thus far that have involved meeting or corresponding

with high-ranking White House representatives and the like,” he said.

Bozeman’s career is far different from the one he envisioned when arriving at Wright State. He was initially interested in computer programming and graphics, inspired by uncles who were involved with computer coding. He saw it as a gateway for developing video games for gaming consoles.

“I was an absolute role-playing game junkie and loved the music and art that accompanied RPGs,” he recalled.

However, Bozeman switched from computer programming to mechanical engineering and fell under the spell of Professor Ruby Mawasha, who introduced him to some emerging research and development concepts and projects. “The wheels began turning,” Bozeman recalled.

Mawasha said Bozeman developed a solid understanding of fundamental engineering concepts and along with his team took a second place award in a 2008 presentation to the American Society in Engineering Education.

“And he set himself apart from other students with his internship experience,” Mawasha said.

During a summer research project, Bozeman studied thermal conductivity of a synthesized material called shape-memory polymer, which can return from a deformed state to its original shape through temperature change and other stimuli. He performed experiments while using a high-altitude balloon.

Following the project, Bozeman “stumbled upon” information about fuel-cell technology and decided to incorporate the thermal experiments he conducted into a master’s thesis on the functionality of fuel cells.

A fuel cell is a device that converts the chemical energy from a fuel into electricity through a chemical reaction. Fuel cells are different from batteries in that they require a constant source of fuel and oxygen to run, but they can produce electricity continually for as long as fuel and oxygen are supplied.

Researchers have long been working

to reduce the cost of fuel cells, a major hurdle in competing with other technologies, including gasoline engines.

Bozeman decided to use the thermal experiments he and his team performed during the senior research project into a master’s thesis on the functionality of fuel cells. Professor Hong Huang incorporated some of Bozeman’s interests into research efforts she had under way.

“Ultimately, we were able to verify and perform synthesis of a certain fuel cell component that had not yet been performed or published in that way before,” Bozeman said. “We were able to effectively move our scientists and researchers closer to making fuel cells a more cost-effective and efficient tool for renewable and clean energy use.”

The project intensified Bozeman’s interest in green initiatives and drew him to Wright State’s innovative Master of Science in Renewable and Clean Energy program.

“This field of study directly corresponds with environmental stewardship,” he said. “Without the strong push for environmental stewardship, the renewable and clean energy field’s prospects would be less fruitful than what they are today.”

The program is the first of its kind in Ohio and one of about 10 nationwide. It was started in response to a recognized need for solutions to America’s energy problems, especially its heavy reliance on fossil fuels.

A collaborative effort with the Air Force Institute of Technology, Central State University, and the University of Dayton, the program offers 22 courses on such topics as solar, wind, and geothermal energy. Bozeman was one of the program’s first graduates.

“What I remember about Joe Bozeman is many people wanting to hire him,” said James Menart, a professor of mechanical and materials engineering who helps direct the program. “Joe impressed many people with his abilities.” ■

hayden’s heyday is energy efficiency

THE OHIO STATE UNIVERSITY WANTS to make five of its buildings more energy efficient. Licking County near Columbus wants the same for several of its structures. And even the small Lake Erie city of Conneaut is interested.

Each entity listed above is considering proposals from Wright State University graduate Scott Hayden and the Dublin, Ohio-based Energy Systems Group, the company for which Hayden works.


“I do the audit of the buildings. I prepare a strategy on what kinds of measures I want to implement,” said Hayden, a performance engineer. “There needs to be a strong push to reduce the number of energy-inefficient buildings so we can focus on only what is needed in renewable energy, which is also very important.”

According to a report by the U.S. Department of Energy, U.S. households and commercial buildings account for about 40 percent of total U.S. energy use. This comes in the form of heating/cooling, lighting, water heating, refrigeration, cooking, computing, and electronic entertainment.

Energy Systems Group offers its energy-efficiency services to public clients—cities, counties, K–12 schools, and universities. Since 1994, the company has developed over \$1.3 billion in facility improvements and energy efficiency projects for more than 300 customers.

Fixes might include adjustments to lighting and heating/cooling, water conservation, reducing plug loads in electrical outlets, and tightening the building envelope. Newer buildings are not necessarily more energy efficient than older ones.

Hayden said his biggest challenge in coming up with energy efficiencies is trying to get details of a building’s energy usage, because many clients simply don’t know. The other hurdle is getting the building’s occupants to follow energy guidelines once they are implemented—

A man with dark hair, wearing a bright green polo shirt, is looking upwards with a slight smile. He is positioned behind a large, teal-colored, curved component of a wind turbine, which appears to be a nacelle or part of the hub assembly. The background is dark and textured.

such as not to adjust the thermostat or bring in space heaters and fans.

“You can make buildings as energy efficient as possible, but you also have a people component in behavior and how people work,” he said.

Hayden’s career in energy efficiency was an outgrowth of his interest in engineering, fueled by a passion for cars. (His Mazda Miata has a turbo-charged engine and muscled-up suspension that enable him to take the car to the track for high-performance driving.)

After obtaining his bachelor’s degree in mechanical engineering at Wright State, Hayden took a path he hoped would yield a career in the auto industry. But his job with an automotive parts supplier in Wilmington, Ohio, evaporated when the economy sputtered in 2008, and other jobs in the industry were nowhere to be found.

What Hayden did find was Wright State’s new Master of Science

in Renewable and Clean Energy program.

“I was already interested in energy to begin with—solar panels, energy efficiency,” he recalled. “The more I looked into it, the more I became interested in it. It really snowballed from there. I looked forward to every class because I knew I was going to learn something I wanted to know more about. I mostly focused on wind energy and energy efficiency.”

For his master’s project, Hayden designed a two-blade wind turbine using computer software. He then simulated different wind conditions and rotational speeds.

After graduation in 2011, Hayden took a job with Two-for-One Energy, a Dayton, Ohio, company that did energy audits of residential homes. Then, last November, Hayden landed a job with Energy Systems Group and stepped up his game to handling larger public accounts.

“The focus on conserving energy is the big driver for me; it seems like the right thing to do,” Hayden said. **W**



fuel efficient

stephen hightower builds petroleum-distribution business into a national powerhouse

By JIM HANNAH

WHEN STEPHEN HIGHTOWER APPLIED FOR A SALES POSITION at Armco Steel after graduating from high school, he had good reason to think he would get the job.

After all, he had been heavily involved in his family's cleaning business—interfacing with and servicing customers—since age 14. At 18, he sold his first commercial account.

But Hightower's sales experience fell on deaf ears at the Middletown, Ohio, steelmaker. He was told to either go to college or settle for a job on the factory floor.

That was the last job Hightower ever applied for.

"I knew that at the end of 30 years at Armco, I would get a watch and maybe some type of retirement package," he recalled. "I thought I would be better off if I actually worked for myself for that 30 years. It proved to be a better choice."

Today, Hightower heads Hightowers Petroleum Co., a fuel-distribution company that has grown at lightning speed, is flourishing among the Goliaths of Big Oil, and counts Kroger, Ford Motor Co., Duke Energy, AK Steel, and General Motors as customers. Every GM vehicle that comes off the assembly line in the United States and Mexico has Hightower-delivered fuel in its belly.

This year, Hightowers Petroleum is projecting to post \$300 million in sales.

"Our growth has been exponential," Hightower said. "The phones won't stop ringing."

Hightower credits much of his business success to communication abilities he developed while a student at Wright State University from 1974 to '78.

His first literature professor, Lillie Howard, Ph.D., helped him hone his writing skills.

"She once told me that I am very intelligent and bright, but that until I change how I write, no one would ever know," Hightower recalled. "This inspired me to pay attention to what I write and what people see in my writings."

Majoring in management and communication, Hightower also took part in speaking competitions that sharpened skills he would later use to build business relationships and sell his products and services.

"Being a competitive speaker is similar to

being a competitive pianist—you become very, very good at it," Hightower said. "It doesn't matter what it is that you're communicating or selling or managing, it's how effective you are. And that effectiveness has served me very well."

Hightower got lessons in human and race relations at a young age. When his became the first African American family to move into an all-white Middletown neighborhood, family members eventually hired armed guards to patrol outside his house.

Hightower became adept at what was a delicate balancing act—relating to, communicating with, and connecting with both whites and blacks. This early insight into human nature, coupled with his sales experience, speaking skills, and determination to be his own boss, would become the Hightower model for success in the business world.

"At a very early age, I got to interface on the outside without ever going on the inside of corporate America," Hightower said. "Being on the outside, working with procurement folks, and working with plant managers, gave me a sense of what they were looking for and what they really wanted to hear. That was an advantage over my competitors in the early years."

Hightower began with sales in the cleaning, construction, and medical industries. Then in the 1980s, he founded Hightowers Petroleum, buying fuel from refineries, then selling and distributing it.

A big break came when he won a statewide contract from the State of Ohio, supplying gasoline and diesel fuel for state vehicles from Cleveland to Cincinnati. He was supported by BP in 1985 and became a contract carrier throughout Ohio.

"It's an industry where you actually have to be let in," he said. "The BP connection was a turning point where I changed from being a broker to a carrier in the industry."

Then, Hightower began to do some innovative things. He prepared his company to do business electronically, enabling it to be among the first in line to sell fuel to the auto and utility industries via e-commerce as they moved from paper to electronic procurement management.

That put Exxon Mobil and Chevron

Texaco in the Hightowers Petroleum supply chain and sparked the transformation from a regional to a national company. Winning a utility contract from Cinergy Corp. boosted Hightower's business in Ohio, Indiana, and Kentucky. When Cinergy was purchased by Duke Energy in 2005, Hightower's reach was strengthened in Virginia as well as North and South Carolina.

Because of its smaller size, Hightower's company is faster, more flexible, and more responsive to potential customers than its Big Oil counterparts. When GM was going into Chapter 11 bankruptcy protection and looking for a supplier to tank up its vehicles as they came off the assembly line, Hightower was there, proving his company to be flexible enough to make the adjustments necessary to win the contract.

Hightower does not confine himself to North America when it comes to drumming up new business. Nigeria, Jordan, and Egypt have been among stops on his recent business trips.

"One thing you find out early is that business is not going to find you, you've got to find the business," he said. "I'm still the No. 1 salesperson, even though everyone in the company serves as salespersons. I spend my time creating relationships. And it is those relationships that allow us to continue to enjoy the growth we're having right now."

Despite his dizzying, world-travel schedule, Hightower finds time for other things.

His five children are a priority, and he serves as a trustee for the Wright State Foundation. He volunteers for projects that feed hungry children, mentors fatherless black children, and helps prepare young people to succeed in a global economy.

"Those are the things you try to do to make a difference in people's lives," he said. "When you're growing your business and people think you have money and you really don't, all you can do is give them advice and your time."

Scuba-diving and skydiving are also among Hightower's pursuits. He recently jumped off a mountain in Brazil, parachuting to a beach below for a 20-minute thrill ride.

"I'm pretty adventurous in life and in business," he said. **W**



the new recruits

students answer the call for next generation of air force scientists

By STEPHANIE GOTTSCHLICH

JUSTIN ESTEPP DESCRIBES HIMSELF AS “just a bench engineer.” But with a small army of student research assistants at his side in the Air Force Research Laboratory’s 711th Human Performance Wing complex at Wright-Patterson Air Force Base, Estep is grinding out game-changing research at the intersection of engineering, neuroscience, and psychology that the United States Air Force views as a new frontier for achieving military superiority.

“We hear people say ‘mind reading’ a lot, but that’s not it exactly,” Estep says, describing his research in monitoring cognitive state. “It’s a three-legged stool of applied or behavioral neuroscience: figuring out what technologies best monitor the physiology of a human, such as eye-tracking and EEG; how we can relate that physiology to their cognitive state; and then how we can augment a human’s performance based on that cognitive state.”

Estep—who earned a bachelor’s degree in biomedical engineering from Wright State in 2006 and is finishing his master’s degree in the same field—is an associate research biomedical engineer in the wing’s Human Effectiveness Directorate, Warfighter Interface Division. He is among more than a half-dozen, up-and-coming Wright State grads managing research programs inside the fence in that directorate, researching how technology can enhance a warfighter’s performance in the sky, in space, or in cyberspace. Wright State grads are doing everything from researching how UAVs can fly by voice command, to evaluating new, noninvasive techniques to stimulate the brain to improve attention span, to optimizing displays so that pilots or airmen can better interpret images, among other areas.

The Air Force Research Laboratory, headquartered at WPAFB,

Justin Estep (right) and Wright State engineering students Chris Meier, Sabrina Metzger, and Ethan Blackford (in cap) use eye-tracking and EEG sensors to measure cognitive state in a Human Effectiveness lab at Wright-Patterson Air Force Base.

manages the Air Force's science and technology program, a \$2 billion research juggernaut employing about 9,600 people. Its eight directorates emphasize a particular area of research, and for Human Effectiveness, the key word is "human." It focuses on integrating biological and cognitive technologies to boost a warfighter's performance in instances such as operating multiple unmanned aerial vehicles, or overcoming fatigue and loss of concentration while looking at computer screens.

In designer jeans and eyeglasses and Doc Marten boots, his blazer draped across a chair, Estep belongs to a sophisticated, postmodern generation of engineers and scientists who will move up the ranks in their various directorates to lead the Air Force research agenda in the decades to come.

Out of concern for a shortage of scientists and engineers, AFRL has been cultivating a cadre of young technical talent to work in government labs instead of the private sector, so that when 40 percent of its workforce retires over the next two decades, the military maintains its technological superiority.

For engineers and human factors psychologists, AFRL is an opportunity to make breakthrough discoveries in fields such as unmanned aerial vehicles, modeling and simulation, sensors, cyberspace, intelligence and reconnaissance, and human performance.

Chris Meier, a Wright State student who hopes to continue working for AFRL after completing his master's degree in biomedical engineering in 2014, is one of four Wright State engineering students working with Estep as research assistants. "The private sector probably couldn't touch the kinds of experiences we get here, from day one," Meier said, who admits the initial attraction is in getting to play with technology's latest toys.

But for a lot of students, the base is an intimidating black box. "I really had no idea research goes on at the base until I heard about it through classmates," said Sabrina Metzger, a senior in biomedical engineering. Through contact with other Wright State students, and through faculty, Metzger found the research assistant positions in the Human Effectiveness directorate. "Once you get here, you realize it's more laid-back than you think, and you have a lot of autonomy," she says.

Estep knows the value of these internships: like a lot of young professionals working at WPAFB, the Dayton native stayed in the area because of an interesting internship at the base that kept him here.

After graduating from Fairborn High School, Estep joined the inaugural class of AFRL's Wright Scholar Research Assistant Program in 2002, the summer before his freshman year at Wright State. The program enables high school juniors and seniors to work with AFRL researchers for 10 to 12 weeks on projects including testing materials, tracking data, creating databases, charting data, and computer modeling and



programming. That introduction to AFRL led to engineering internships that kept him working in the lab all the way through completion of his master's degree. In 2008, he joined AFRL as a full-time engineer.

When Estep's lab needs student research assistants, he often taps Wright State because it offers the only biomedical engineering program in the region.

From providing continuing education toward advanced degrees, to collaborations with faculty, to networking with other researchers, Wright State is "well positioned to facilitate a lot of collaborations" that would benefit the technical researchers in AFRL.

"There are a lot of us who will at some point work on advanced degrees, and Wright State is perfect for that," because of its proximity and interdisciplinary programs. "And we have access to its students, just down the street. All in all, the university is a great resource." W



In the classroom with Travis Greenwood

a greentree grows on campus entrepreneur, alumnus gives back in the classroom

By SETH BAUGUSS



*Greenwood and colleagues at
The Greentree Group in Beavercreek, Ohio*

ON THE FIRST DAY OF CLASS, adjunct instructor Travis Greenwood reveals details of each student's personal life. He knows that one student has three dogs. He knows that another spent last summer traveling through Europe. He also knows that a few students frequent local bars and nightclubs.

No, Greenwood isn't an amateur psychic; he's simply telling his students what he was able to find out about them using the Internet. Greenwood revels in his practice of Facebooking and Googling his entire class roster before he even meets them.

"I tell them, I did what every employer is going to do to you," said Greenwood, a CEO in his own right. "They're going to Google you. Get ready because many of you have to clean up your act on Facebook."

Four years ago, despite a successful career managing a consulting company, Greenwood found something missing. He wanted to share his entrepreneurial and professional insights with others, a desire that led him back to Wright State where he's been teaching a communication capstone class since 2008. "My cup is filled by working with students," said Greenwood. "My biggest goal is to get these students to think for themselves and get them thinking, 'Where do I go from here?'"

In 1984, Greenwood was asking himself that very same question. He had just left Wright State University with a bachelor's degree and a healthy affection for alternative rock from four years of spinning vinyl as a disk jockey for WWSU.

A communication major with zero interest in information technology (IT) or program management, he never dreamed that nearly 30 years later he'd be leading the company that built the largest unclassified data warehouse for the Department of Defense.

Greenwood and his family built The Greentree Group, a strategic consulting firm whose core services include IT support, financial management, and program management for government organizations. It all started with the expert knowledge passed on from Greenwood's father, Sam Greenwood.

In 1993, Sam retired after 33 years of working with the Air Force and the Department of Defense on IT projects, logistics solutions, and program management. Sam wanted to start a consulting firm and asked his son if he could help. Before he knew it, they'd started a fledgling consulting company. The first year they operated out of his parents' den and a spare bedroom.

In the early days, The Greentree Group mostly offered expert advice on writing and building proposals for government contract work. "Government proposals are thick documents filled

with lots of critical information. It was a subject my father knew very well and a lot of clients really needed help with," said Greenwood.

On the heels of many successful winning proposals, clients started asking if The Greentree Group could also help with project implementation. "Back then there were a lot of big companies—Oracle, Martin-Marietta, NCR, Boeing—that didn't understand the needs of the client. They would need help selling products and services customers really wanted," said Greenwood.

And by providing such help, The Greentree Group took off.

By rarely telling clients it couldn't handle a request and by sticking to its core values of integrity and ethics, customer focus, long-term client partnership, and employee welfare, The Greentree Group began piling up successes.

In addition to the DoD data warehouse, the company built a cutting-edge software system to help the federal government track the money it spends. The Greentree Group completes work for state offices in Texas, Florida, New York, and Iowa, as well as for many municipalities and regional companies.

Greenwood shaped many of his business values from his early professional experiences, but he collected perhaps the best advice as a student intern from a boss named Skip Lowe at Bell Publicom. "Something he said to me one day really stuck. 'Hire people who are smarter than you; it makes you look good,'" said Greenwood.

He says that The Greentree Group succeeds because it puts smart, talented people to work with an unwavering commitment to customers. "I'm not the smartest guy, but I think I'm a pretty good judge of picking people," he said. "My job as CEO is to inspire our employees to uphold the values of our company and do great things."

As CEO, Greenwood helped mold the family company. But he didn't truly come full circle until he returned to Wright State's campus in 2008 for a WWSU radio station reunion. "It was something I felt compelled to do, coming back to talk with students," said Greenwood.

After serving on a few panels, he agreed to teach a communication class once a week. Now four years later, Greenwood teaches the communication capstone and focuses on preparing students for résumé building and job hunting, and assists with their interview skills. "The real world is not a set of books that you follow; it is a set of practices and processes and integrity and ethics," said Greenwood.

Early in the term, Greenwood said he often sees a change from apathy to assertiveness. Students start to realize they're about to leave the protective life of the campus cocoon and begin to truly focus on how to get where they want to go next.

Greenwood expanded his commitment to young people a few years ago with the Greenwood Integrity Scholarship, a yearly scholarship he and his wife award to a senior majoring in communication who has shown high integrity.

In 2011, he joined the Wright State University Foundation Board, but before he committed, Greenwood said he made it clear what he could and couldn't do. "If you're looking for somebody to raise money for you, I'm not your guy," said Greenwood.

Greenwood doesn't want to raise money; he wants to raise relationships between professionals and students. Students get the advice, mentoring, and encouragement they need, and employers get to tap into Wright State's finest resource—its students.

"To me, being on the university Foundation Board is all about finding ways to improve and develop the university through financial means and with the quality of our students and the quality of time they spend at Wright State," said Greenwood. "The entrepreneurial spirit that's helped us at The Greentree Group can do the same thing with students here. I see it every Tuesday night during class." W

furniture and philanthropy

By CORY MACPHERSON

THE SOFAS AND RECLINERS HE SELLS MAY BE PERFECT FOR RELAXING on a Sunday afternoon, but Larry Klaben rarely rests. Since taking over a hometown furniture store in Dayton 14 years ago, Klaben has never stopped working to grow Morris Home Furnishings and turn the company into a household name.

Klaben caught the entrepreneurial bug at a young age, working at his family's camera shop. He started his own freelance photography business as a student at Wright State University, where he earned his bachelor's degree in urban studies. "Back in the '70s, Wright State was a smaller school, but I was proud of the education I received," said Klaben. "The Urban Studies program combined my interests in liberal arts, political science, and socioeconomics. I studied what makes communities survive and grow."

After graduation, Klaben moved to Washington, D.C., where he worked for two congressmen and earned a Master of Public Administration from American University. He also started his own company—Congressional Computer Management Services, Inc.—which provided technology and data services to political offices and nonprofits.

After selling his company to an international software firm, Klaben moved back to Dayton in 1986 to help his father-in-law, Bert Leiberman, improve technology for his family business, Morris Furniture Company, Inc. Klaben was named the company's vice president of operations and soon found that he excelled in the job. Just three years later, Klaben was named Ohio Furniture Retailer of the Year by the Ohio Furniture Representatives Association.

Klaben purchased the company outright in 1998, becoming its CEO and president. To help him guide the Morris Furniture Company, Inc.,

he formed a committee made up of Morris executives and individuals outside the business. Klaben and his team redesigned the store layout into 10 unique showrooms organized to match customer needs. They worked to stay current with industry trends and the ever-evolving tastes of consumers.

"We embrace change," said Klaben. "It goes back to having a broad liberal arts education. When you study history, politics, and sociology, you see that you can't survive if you don't adapt to change."

One of Klaben's major goals was to grow the company's market share in the Dayton region. To do so, the executive committee developed an aggressive plan for expanding to multiple locations. Growing from a single store in Dayton, Morris now has 13 locations throughout the Dayton, Columbus, and Cincinnati markets. That includes nine Ashley Furniture HomeStores and four Morris Home Furnishings stores. There are also four Morris Big TV Stores within the Morris showrooms and Better Sleep Shops in all 13 Morris and Ashley locations.

Yet the biggest castle in Klaben's kingdom is Morris' new retail complex in Cincinnati. Opened in 2011, the Morris Home Center combines five distinct stores in an almost mall-like format. Customers can visit a Morris Home Furnishings, an Ashley Furniture HomeStore, and a Better Sleep Shop, along with a Morris Back Room clearance outlet and the company's first Morris Big TV Store. While each store has its own entrance, the building's interior floor plan is open to encourage customers to shop all five Morris brands. The concept has been so successful that the company opened a second Morris Home Center in Florence, Kentucky, this past June.

With annual sales of more than \$75 million, Morris Furniture Company, Inc., has grown into



one of the largest privately owned furniture companies in the state. The industry is taking notice. Morris was named the National Home Furnishings Association's Retailer of the Year in 2008 and was included in *Furniture Today's* Top 100 list of furniture stores in 2010. Supermodel/actress Cindy Crawford recently chose Morris to be the exclusive retailer of her furniture line in Ohio.

Klaben attributes the success to his staff. The company has an intensive hiring process, looking for employees that will fit well with the Morris culture and values. Once someone is hired, Klaben said, the company supports that employee with training and generous benefits.

Larry Klaben has grown his company from a mom-and-pop shop to a vast furniture empire that emphasizes giving back to the Dayton region



As a result, staff turnover is low and morale is high. “We’ve developed one of the best teams in the industry,” he said. “We have a tremendous number of people who have been here for decades.”

Another focus for Klaben is using his company to serve the Dayton region. Morris supports a number of charitable causes including Dayton Children’s Medical Center, The Epilepsy Foundation of Western Ohio, AIDS Resource Center Ohio, Culture Works, The Human Race Theatre Company, and Daybreak emergency shelter for runaway and homeless youth. Morris also works closely with Secret Smiles, a nonprofit organization serving needy

children in the Dayton area. To date, the program has helped over 2,200 children.

“I tell my staff that we’re fortunate that our customers continue to buy from us,” said Klaben. “We need to support them in turn, and giving back to the communities they live in is a way to do that.” Klaben focuses the company’s charity efforts on education, health, and the arts—all areas that affect children and families.

Over the years, Klaben has concentrated much of his humanitarian energy on his alma mater. In June, he continued his nine-year commitment on the university’s Board of Trustees, becoming its chair for 2012–13. He has sat on both the Wright

State Foundation Board and the university’s Liberal Arts Community Advisory Board. He chaired the campus-wide corporate appeal in 2005. Both Klaben and his company have been major supporters of Wright State’s annual ArtsGala. “The great thing about Larry’s support is that he not only gives money, he convinces others to give money *and* he talks about the event to everyone he meets,” said Linda Caron, interim dean of the College of the Liberal Arts. “His unflinching advocacy has really helped raise the profile of ArtsGala and the arts at Wright State in general.” **W**

the human factor

three mile island sparks grad's business

By TIMOTHY R. GAFFNEY



DAVE STROBHAR WAS STILL a student at Wright State University when the worst nuclear power accident in American history shut down the Three Mile Island plant in Pennsylvania.

He had no idea that he would soon be working there.

Strobhar, a Centerville native and 1976 Alter High School graduate, was studying human factors engineering at Wright State when a reactor at the Three Mile Island nuclear power plant partially melted down in March 1979.

"I was doing some work for a local human factors company and they were doing work at Three Mile Island," Strobhar recalled. "That was the beginning, really, of a lot of human factors research outside the Department of Defense."

It was also the beginning of Strobhar's career in human factors engineering, one that led to founding the Centerville company he still runs, Beville Engineering.

The Air Force pioneered human factors research at Wright-Patterson Air Force Base to enable pilots and other personnel to manage ever more complex machines and systems. Wright State has supported that work with a strong human factors engineering program. The university's Department of Biomedical, Industrial, and Human Factors Engineering (BIE) is the only academic unit nationally to share programs in these disciplines.

When he graduated in 1980, Strobhar began working at GPU Nuclear, owner of the Three Mile Island plant, analyzing the accident.

In studying the human factors issues in the Three Mile Island accident, Strobhar recognized a need for human factors engineering in other industrial plants with complex process controls, especially oil refineries and chemical plants.

"You have these very complex, hazardous plants, and there are people at the controls just like there are people at the controls of an aircraft. If they make a mistake, the crash is more figurative than literal, but it can have some very devastating consequences," Strobhar said.

At the same time, Three Mile Island brought nuclear power plant construction to a stop in the United States. Noting the similarity of human

factors issues between nuclear plants and oil and chemical plants, Strobhar decided to focus his engineering efforts on that area.

He returned to Centerville for a short stint with a small engineering firm, and then decided to start his own company.

"I gave myself six months to find out if there was a demand for my services, and after six months it seemed that there was. Within a couple of months after that I got my first project, and some 28 years later I'm still doing it," he said.

Beville Engineering is a small firm with just five employees, but Strobhar said most of its clients are large companies. "Most of our clients are Fortune 500 companies. They are the BPs, the Shells, Conoco Phillips, Exxon Mobil. All the majors," he said.

The company's work focuses on operator interfaces, such as alarms and displays, and operator workload and staffing. "Companies are trying to walk this line of being as competitive as they can and as efficient as they can, but ensure they have enough people that they can operate safely and in an environmentally friendly way to the communities that they're in," he said.

With clients in all parts of the country, Strobhar said the Dayton area is as good a location as any for his company. "We've got major projects right now in Edmonton, Alberta; Billings, Montana; and Bismarck, North Dakota," he said. "So the only requirement is access to an airport that can get you to these places."

But staying near Wright State has enabled Strobhar to leverage its academic resources to help the oil and chemical industry.

Strobhar said companies recognized a common need for information on which to base new safety standards. "Decisions were being made in a vacuum," he said.

As a member of the external advisory board for Wright State's College of Engineering and Computer Science, Strobhar approached S. Narayanan, Ph.D., dean of the college. They put together a plan that led to the opening of the Center for Operator Performance in 2007 as an alliance of academic and process companies to research issues facing the petrochemical industry in the area of human factors and operator performance.

Strobhar said several oil companies and large computer suppliers fund the center's operations and research projects. Wright State has done some of the research, but projects have also been done by Louisiana, Mississippi, and Pennsylvania state universities, and private companies have done some as well.

"Wright State has a strong human factors presence, and so that helps in terms of gaining access to resources," Strobhar said. "Wright State either has people who can do the work, or they know who can do the work."

The Center for Operator Performance "is really doing some groundbreaking work," Strobhar said. "It is getting some high visibility within the industry. It is developing some very significant safety-related finding, so it has the potential to dramatically improve the safety of these plants."

Strobhar credited Wright State for recognizing the importance of the center and stepping up to the challenge of creating it with industry support.

"It required not just the operating companies wanting to do this, but we had to have an institution that was ready and able to support it. Wright State stepped forward and said, 'We'd love to host this.' Had we been located anywhere else, I don't know whether the center would've ever been formed." **W**

sensors and sensibility

jacqueline janning leads the air force in sensors research

BY TIMOTHY R. GAFFNEY

JACQUELINE “JACKIE” JANNING HAS A SECOND-FLOOR OFFICE ON Wright-Patterson Air Force Base with large windows that look out over the base.

It isn’t an easy place to visit. Besides being inside the base’s well-protected fence, Janning’s office is inside a locked building of the Air Force Research Laboratory’s (AFRL’s) Sensors Directorate, where she is a division chief. To gain access, a visitor needs a control badge and an escort.

But once inside, you find her college diplomas hanging prominently on her office wall—bachelor’s and master’s degrees from Wright State in systems engineering with concentrations in human factors, and a second master’s in business administration from MIT.

While she’s proud of her degrees, Janning said she doesn’t show them off out of vanity. In an office that manages world-class scientists and engineers, Janning needs intellectual credibility—and she knows the diplomas carry weight.

“These guys are simply brilliant,” Janning said of the men and women who do groundbreaking research in sensors technology within the Sensors Directorate’s secure walls. “Their credibility is based on academic achievement and their work.” She said the diplomas help her establish credibility quickly.

Janning’s interest in science and technology isn’t surprising. She’s the youngest of the seven children of John L. Janning, a noted Ohio inventor. Growing up, “I had a lab in the basement,” she said.

But when she was attending Beavercreek High School, Janning wasn’t sure what kind of technical career she wanted to pursue. A classmate showed her some

information about Wright State’s program in human factors engineering.

“I found out Wright State was the only institution across the United States that offered a Bachelor of Science in human factors,” she said. Human factors was a hot topic at the time because a subset known as ergonomics was sweeping commercial industries as companies sought to make products from hand tools to cars more user friendly. “It sounded intriguing to me,” she said.

Janning graduated from Beavercreek in 1983 and enrolled at Wright State, earning her bachelor’s degree in 1988. There she was inspired by the late Anthony J. Cacioppo, Ph.D., who chaired Wright State’s biomedical, industrial, and human factors engineering program after retiring as chief scientist of the Foreign Technology Division (now National Air and Space Intelligence Center) at Wright-Patterson Air Force Base (WPAFB).

“He was the epitome of what I wanted to be. He was intelligent, kind, and wanted to make the world a better place,” Janning said.

Cacioppo made a natural connection to WPAFB, where the Air Force had pioneered human factors engineering as it sought to improve the safety and performance of its airmen in ever more complex aircraft.

Janning already had some sense of WPAFB. After graduating from high school, she spent a summer working on base as an engineering intern.

But she found that big employers looking for human factors skills were interested in her, even without a master’s degree. “My first job offer was from Commonwealth Edison to help with nuclear reactor displays,” she said. “They gave me a great offer in Chicago.”





A cavernous room for testing sensors is just part of the complex world Jacqueline Janning manages as a division chief for the Air Force Research Laboratory.

But the Air Force offered “intriguing” work, Janning said. She took a position doing modeling and simulation for aircrew training systems. She found herself sitting in the cockpits of fighter or trainer simulators, flying through virtual skies projected on surrounding domes. “How cool is that?” she asked.

Having a university just outside the base gate quickly proved to be a key benefit. “One of the things they told us when we got here—I say ‘we’ because several of us came in at once—was that we had to go back and get our master’s degree,” Janning said. She started taking classes part time. “It was convenient. It was close by,” she said. She earned her master’s in 1994.

Janning’s systems engineering education was really aimed more at managing engineers than at being one. Modeling and simulation were just her first steps in learning about what she calls the “corporate Air Force.” She wanted to experience and understand all facets of Air Force research, development, acquisition, and support—the lifecycle of Air Force weapon systems from cradle to grave, as systems engineers call it.

After training systems, Janning worked in the Aeronautical Systems Center, the Air Force’s acquisition center for major weapon systems, and Air Force Materiel Command headquarters, where she influenced policy decisions.

“The last part of the great frontier for me was AFRL,” Janning said. She took the job as chief planner for AFRL’s \$2 billion science and technology budget. From there she came to her present position as one of Sensors Directorate’s division chiefs.

Janning calls AFRL the Air Force’s “gold nugget.” It’s where scientists and engineers make basic discoveries and develop them into advanced technology to protect airmen or destroy enemy targets. The Sensors Directorate employs technology such as radar and lasers to give Air Force weapons better eyes and ears. “In my opinion, the future can’t happen without AFRL,” she said.

But AFRL isn’t likely the last stop in Janning’s career. She aspires to a more senior position, which will require her to keep broadening and deepening her knowledge of the Air Force.

To that end, the Air Force supported Janning’s second master’s degree, a business administration degree she earned at MIT in 2004 through a Sloan fellowship. She considers it a major milestone in her career.

But Janning still treasures her Wright State degrees—her daughter is a current undergraduate marketing major—and she serves on an advisory board to the university’s College of Science and Mathematics.

Janning said having Wright State next door to WPAFB is a powerful advantage to anyone interested in a technical field. “You have the ability to practice right across the street at Wright-Patterson,” she said. “There’s so many exciting things you can do.” **W**

six degrees of education

one diploma just isn't enough for lifelong learner

By JIM HANNAH

SEVENTY-TWO-YEAR-OLD TOM MILLER COLLECTED SIX sheepskins—bachelor's degrees in political science, international studies, liberal studies, modern languages, anthropology, and geography—when he took the stage at the June commencement.

"I'm a student of learning," Miller said. "I used the courses as a method of organizing my readings. I have about 3,500 books at home in my library."

A retired Air Force officer who already has bachelor's and master's degrees in aerospace engineering, Miller embarked on his degree-collecting quest at Wright State in 2000 at the age of 60 as part of the Senior Scholars program. He was interrupted only in 2009, when he injured his back and cracked some ribs in a fall while hiking across a stream in the Great Smoky Mountains.

Although Miller pursued multiple degrees at the same time and completed work toward them at different times, university regulations would have made it difficult for him to collect the degrees one at a time.

"It's quite a great story," said Donna Schlagheck, Ph.D., chair of Wright State's political science department. "Talk about lifelong learning. This guy embodies it."

With an IQ once estimated as high as 203, Miller is in the top 1 percent of duplicate bridge players on the planet and is a formidable backgammon player. He won the chess championships at Wright-Patterson Air Force Base all 10 times he competed. He paints, hikes, scuba dives, and was once a competitive Latin ballroom dancer, traveling the country.

"For an engineer, this guy is truly a Renaissance man," said Schlagheck. "I say that in the highest possible praise. Only an engineer could schedule that many majors."

Miller grew up in Chillicothe, Ohio. He turned one of the rooms in the family home into a chemistry lab and would hang out at a nearby Mead lab as a boy, where he learned how to use a slide rule in the production of paper.

Miller was a math whiz, but never studied in high school.

"I took one book home for the fun of it—a trigonometry book—to solve all of the identities," he recalled.

Miller attended MIT, but didn't last very long there, blaming his lack of study skills. So he joined the Air Force, tested out of the first two years of college, and was selected to become an officer in the aeronautical/astronautical engineers program.

After a 20-year career, Miller retired from the Air Force in 1978. He went on to work for the University of Dayton Research Institute and for several aerospace defense contractors. In 1999, he retired as founder and CEO of CompuTech Strategies, an aerospace defense company.



In the past 24 years, Miller has helped 123 Republican candidates in their political campaigns. For the past six summers, he has worked at an archaeological dig at Fort Ancient, a site near Lebanon built by the Hopewell people.

"He really has an incredibly broad range of interests," said Charles Taylor, Ph.D., former dean of the College of Liberal Arts. "He's a very different kind of student. He enriches the whole classroom experience."

Miller's studies at Wright State have touched on everything from Roman art and Irish literature to the Arab-Israeli conflicts. He studied German, Italian, and French, and actually posted his lowest grade point average in Modern Languages—a 3.800.

"Whenever I'm at parties and they play Trivial Pursuit, it's always Tom versus the room," Miller cracked.

Miller is undecided about his next adventure.

He is toying with the idea of working for a presidential campaign or perhaps seeking a position at London's British Museum, which is hosting an exhibit in March on the archaeological artifacts of Pompeii and Herculaneum.

And there's one more possibility.

"I'm thinking," he said, "about going for another master's degree at Wright State." **W**

Remembering Paige Mulhollan

Former Wright State University president Paige E. Mulhollan, who established Wright State as a founding member of the Coalition of Urban and Metropolitan Universities, died June 30 in Fayetteville, Arkansas, at the age of 77. Earlier that month, Mulhollan attended the Rinzler Student Sports Complex dedication and learned that the varsity soccer field would be named Mullhollan Field in his honor.

During his presidency from 1985 to 1994, the College of Science and Engineering split to form the College of Engineering and Computer Science and the College of Science and Mathematics; the Center for Teaching and Learning opened to assist faculty development in teaching; and Wright State athletics moved to NCAA Division I. In 1990, the university hosted the first national conference of metropolitan universities and launched the journal for member institutions.

The Wright State community will celebrate President Mullhollan's life and contributions to the university at a memorial on campus September 21 at 10 a.m.

Alumni Association moves into former presidential house

For the first time in 43 years, Rockafield House, the on-campus home made available to Wright State presidents, is serving Wright State University in a different capacity. In June, Rockafield was temporarily repurposed to be the new Rockafield Alumni Center, a gathering space for alumni visiting campus.

Built for the university's first president, Brage Golding, in 1969, the home will be made available to the next president if he or she chooses to live there.

But for now, Rockafield will house alumni offices, serve as a central gathering point of information and socializing for visiting alumni.

New medical school and business school deans appointed

In May, Joanne Li, professor and chair of the Department of Finance at Towson University in Maryland, was named dean of Wright State University's Raj Soin College of Business. Li has a Ph.D. in finance from Florida State University and is a recognized scholar in the fields of corporate governance and international finance. Li spearheaded the creation of a soon-to-open T. Rowe Price Finance Laboratory at Towson University and planned an international joint finance concentration with Shanghai Finance University in China.

In June, Marjorie Bowman, M.D., M.P.A., professor and founding chair of the University of Pennsylvania's Department of Family Medicine and Community Health, was named dean of the Wright State University Boonshoft School of Medicine. Bowman was director of the University of Pennsylvania's Center of Public Health Initiatives. In addition to her medical degree, Bowman has a master's degree in public administration. She previously worked for the U.S. Department of Health and Human Services in health policy work and was a commissioned officer in the U.S. Public Health Services.



Paige Mulhollan (second from right)



A new sign welcomes visitors to the Rockafield Alumni Center



Dean Joanne Li, Raj Soin College of Business



Dean Marjorie Bowman, Boonshoft School of Medicine



Neal Gittleman

Dayton conductor awarded honorary doctorate

At Spring Commencement, Wright State University awarded an Honorary Doctorate of Humane Letters to Neal Gittleman, the music director of the Dayton Philharmonic Orchestra (DPO) for 17 years. Gittleman's award recognized him as one of the driving forces behind Dayton's thriving arts scene.

Gittleman is credited with being a primary catalyst behind the building of the Schuster Performing Arts Center, a nationally recognized youth education program including several Young Peoples' Concerts each year, and hundreds of hours spent in Dayton-area elementary school classrooms. He is also regarded as the driving force behind the recently announced merger of the Dayton Ballet, Dayton Opera, and Dayton Philharmonic Orchestra.

Gittleman has worked with the Wright State community a number of times. Most recently, he served as the music director for Bernstein's *MASS*, a production that featured more than 100 Wright State students, faculty, and staff members.



The United Nations

Wright State garners more national recognition

In February, Wright State was named among America's top disability-friendly universities in a new nationally distributed book designed to help disabled high school students select a college. According to *College Success for Students with Physical Disabilities* by Chris Wise Tiedemann, Wright State and four other schools go above and beyond the rest in making independent living possible, offering the most supportive environments for students with serious physical disabilities to live on campus.

For the third consecutive year, Wright State University was named to the President's Higher Education Community Service Honor Roll with Distinction for its strong institutional commitment to service and campus-community partnerships that produce measurable results for the region. Only 110 institutions across the country received such an honor.

For the 33rd year in a row, Wright State University's Model United Nations team achieved the highest recognition possible at the national conference in New York City. Competing against 255 teams from universities around the world, Wright State was one of 17 schools to be recognized as having an Outstanding Delegation. The Wright State team also collected several awards for Outstanding Committee Delegates (as voted by their peers) and Outstanding Committee Position Papers.



Bradley Hensley

Young Raiders explore careers on campus

The university celebrated the 10th annual Take Our Daughters and Sons to Work Day, a national program that encourages girls and boys to visit a workplace. Wright State employees brought more than 100 of their sons, daughters, nieces, nephews, and grandchildren to campus to explore careers.

Participants chose from a variety of sessions led by campus units, colleges, and divisions. Sixteen-year-old Bradley Hensley created his own issue of the *Wright State University Magazine*. Students in that session personalized their issues by writing stories, designing layouts, and putting photos of themselves on the covers. Hensley is the son of Jerry Hensley, a senior information technology analyst for Computing and Telecommunications Services (CaTS).



african american alumni society connects with students while giving back to wright state

Founded in 2001, the African American Alumni Society was originally formed to commemorate the 30th anniversary of the Bolinga Black Cultural Resources Center. Now, more than 10 years later, the group is working to increase its size and sphere of influence both on campus and off.

“It’s important for us to reach out to our young people and help them achieve the goals that we’ve achieved and to even go further than that,” said Pat Jones, president of the African American Alumni Society.

The society hosts various social events on campus for students, giving them the opportunity to network with successful African American alumni while creating awareness of the African American Alumni Society. The group believes that by bringing students into the fold while they’re still in school, they will be more likely to join the society once they graduate.

Along with providing opportunities for networking and mentoring, the African American Alumni Society further promotes student success by contributing to scholarships. In recent years, the group has raised \$10,000 to endow its own scholarship—the African American Alumni Society Scholars Fund. Twelve students have received scholarships from this fund since 2006.

Society members are hard at work planning their biggest event yet for Homecoming Weekend 2013. Alumni from near and far are invited to participate in a career fair to showcase their professions and places of work and which types of college degrees are appropriate for those jobs.

“We’re hoping that by having something like this, the students will recognize the different types of opportunities that are available to them once they graduate and, hopefully, declare a major quicker,” Jones explained. “That way they will know what path they need to be on to get to that particular point in their lives.”

In addition to the career fair, next year’s homecoming will offer a full weekend of activities, including a reunion dinner, opportunities for networking, and the reinstitution of a student leadership institute in the Bolinga Black Cultural Resources Center. The society hopes these events will recruit new members and get them more engaged in what happens on campus.

Wright State students and alumni are welcome to attend the African American Alumni Society’s monthly meetings, which are held the second Thursday of every month at 6 p.m. in the Rockafeld Alumni Center. Visit www.wrightstatealumni.com/africanamerican to learn more about the African American Alumni Society.

aaas save the dates

- **Alumni Bourbon, Wine, and Casino Trip with the Greater Dayton and Greater Cincinnati Alumni Network**
September 8 and 9, 2012

- **Homecoming 2012**
October 12 and 13, 2012
- **Alumni Achievement Awards**
Saturday, October 13, 2012
- **Annual Meeting**
Saturday, January 26, 2013
(location TBD)

- **Homecoming 2013**
All class reunion
(date and location TBD)
- **Alumni/Student Career Opportunity Fair**
October 2013 (dates TBD)

ALUMNI NEWS

wright state alumni networks and societies

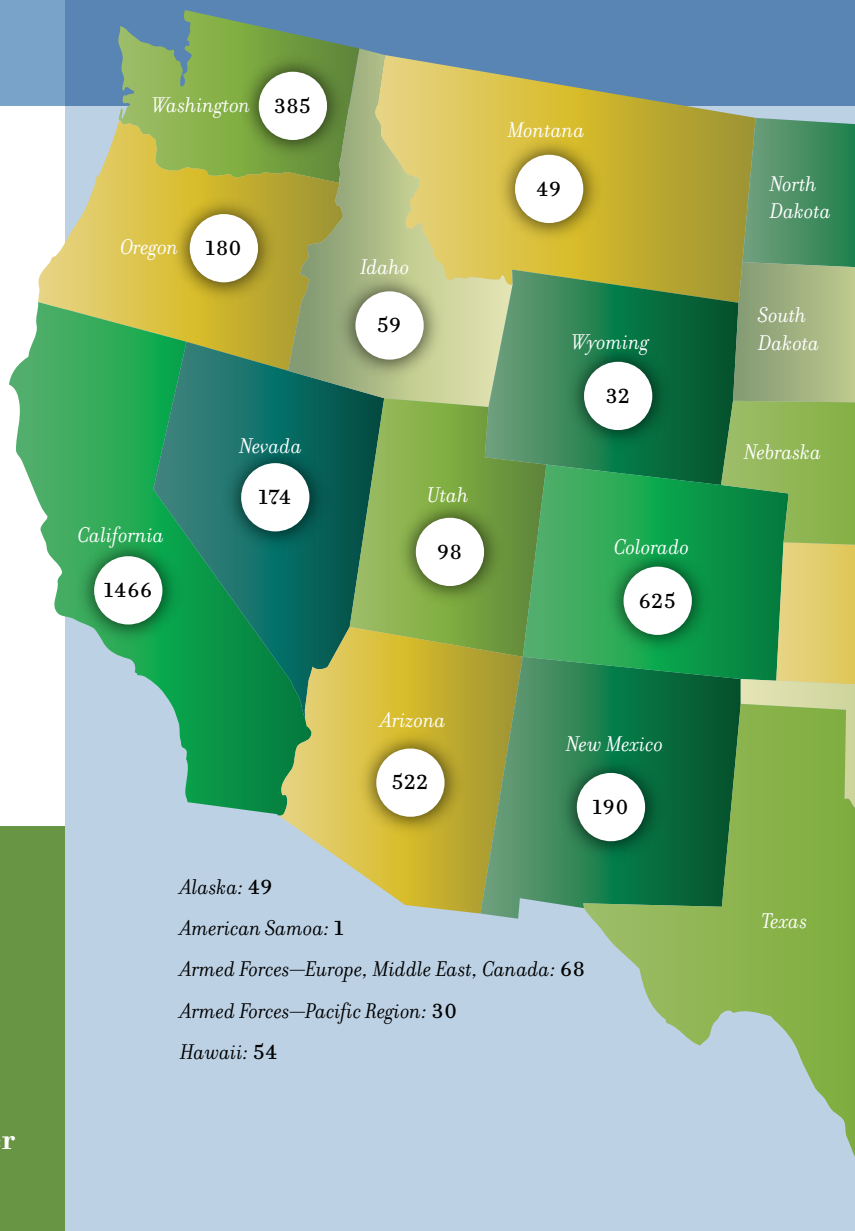
The Wright State University Alumni Association geographic network and society programs exist to provide assistance and support for the continuing success of Wright State University and to offer responsive programs, diverse activities, and services to enrich the camaraderie among Alumni Association members.

Networks and number of alumni in their respective regions:

Cincinnati: 8,081
Cleveland: 1,446
Columbus: 3,877
Dayton: 43,569
Indianapolis: 493
Lake Campus: 5,897
New York City: 469
Tampa: 575
Washington, D.C.: 1,053

Societies:

African American Alumni Society
Nonprofit Leadership Alliance Alumni Society
Social Work Alumni Society



Homecoming 2012 Save the Date October 12–13, 2012

Visit our website for full listing of Homecoming activities and registration at www.wrightstatealumni.com

Exclusive tour of the new Rockafield Alumni Center and photo sessions are being planned.

new alumni website

The Wright State Alumni Association recently launched a new website and online community including:

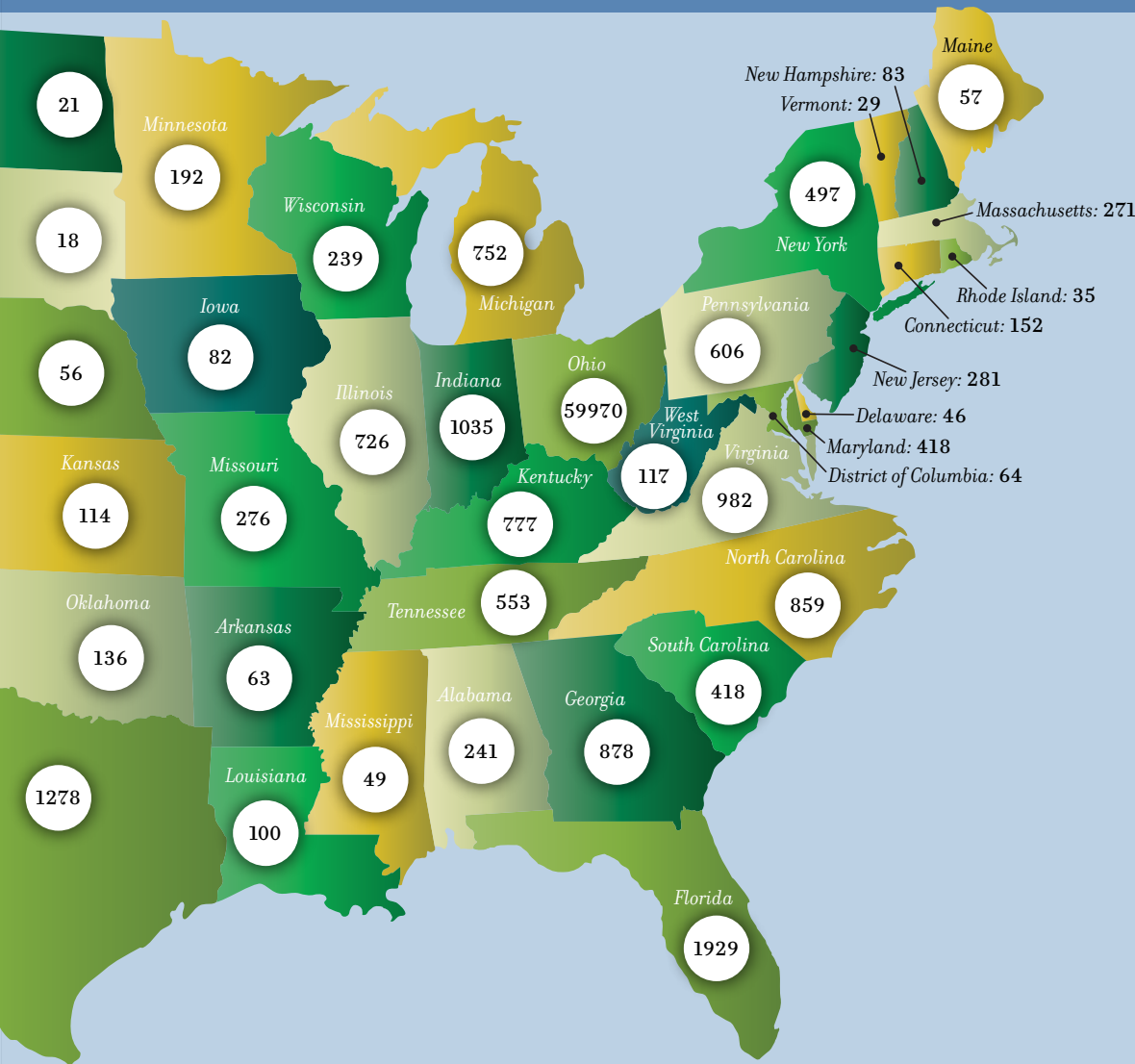
- **Search for Alumni**—find an old college roommate
- **Career Center**—includes job posting and mentoring services
- **AlumNotes**—where you can read about your classmates' accomplishments or post your own
- **My Profile**—where you can update your information, upload a photo or résumé, and adjust your email preferences
- **Register** for an event or renew your membership and have the online community pre-populate all of your contact information, saving you time

All of this interacts with both Facebook and LinkedIn so you can sync your accounts, which means you don't have to remember a separate username and password to login or post events, alumnotes, etc., to your profile, or even update your contact information. Take it for a test drive today!

www.wrightstatealumni.com



wright state alumni: our numbers by state



alumni around the globe

Australia
Austria
Bangladesh
Brazil
Canada
China
France
Germany
Guam
Hong Kong
India
Indonesia
Iraq
Israel
Japan
Jordan
Mexico
Netherlands
New Zealand
Northern Mariana Islands
Pakistan
Philippines
Puerto Rico
Russia
Saudi Arabia
Slovenia
South Africa
South Korea
Spain
Taiwan
Thailand
Turkey
United Kingdom
Virgin Islands



WSUAA members have access to valuable benefits, including:

- Alumni Authors page on our website—promote your book!
- Alumni Insurance Program: dental, disability, health, identity theft, life, and pet
- Alumni Travel Programs—exclusive access and group discounts to locations around the world
- Choice Hotels—discounts of up to 25%
- Car Rental Discounts—save up to 25%
- Social and professional networking opportunities
- Scholarship opportunities for dependents of members
- Access to Career Services
- Access to University Libraries
- Access to the Charles & Renate Frydman Educational Resource Center
- Access to Wright State University Fitness Center membership at a reduced rate
- Discounts on ALL Alumni Association events and activities
- Above the Rim, Alumni Zone at the Raider men's basketball games, free snacks, and discounted beverages
- 20% discount at Wright State's Barnes & Noble Bookstore (and online!)
- 20% discount at The College Store
- Special rates on home and auto insurance

In addition to tangible discounts, your membership supports programs, opportunities, and projects for students and alumni, and student scholarships.

Memberships start as low as \$45; for a complete list of member benefits, visit www.wrightstatealumni.com or call (937) 775-2620.

2012

Amber M. Wilson (B.S.) was awarded a full scholarship for a five-year Ph.D. program in genetic research at the Case Western Reserve University School of Medicine.

2010

Natalia Jones (M.B.A.) was hired as client services executive by TriComB2B, a Vandalia, Ohio-based agency involved in business-to-business marketing of technical products and services that include electronics, refrigeration, millwork, engineering, and construction.

Andrew D. Sanctis (B.A.) a Marine Corps Pfc., completed 12 weeks of basic training at Marine Corps Recruit Depot, Parris Island, S.C.

2009

Trey Back (B.A.) produced an award-winning story about a bugler that was featured in *V-DAY 11.11.11.*, a documentary honoring military veterans.

David Baur (B.A.) is in the cast of the hit stage musical adaptation of *Beauty and the Beast*, which is on a national tour.

Melissa Grohowski (B.F.A.) portrays Grizabella, the Glamour Cat, a major role in the touring Broadway production of the musical *Cats*.

Helena Traner (B.A.) served as an extern for an international war crimes tribunal in The Hague in the case of former Liberian President Charles Taylor, who was sentenced to 50 years in prison. Traner, who was on a team of Case Western Reserve students and professors, matched physical and documentary evidence with testimony.

2008

Joshua Denning (B.F.A.) is a regular performer at theaters in Austin, Texas. His performances included *Next to Normal* at the ZACH Theatre.

John M. Donnelly (M.S.) had an article published in the January/February edition of *APICS* magazine titled "The Role of Supply Chain in Healthcare."

Grant Shirley (M.S., M.D.) joined the medical staff at Blount Memorial Hospital in Maryville, Tenn., and the hospital's Business Health program. An occupational medicine physician, Blount is seeing patients at the Blount Memorial Occupational Health Center at Springbrook in Alcoa, Tenn.

2007

Randy Daniel (M.P.A.) is vice president of the Bellbrook (Ohio) Sugarcreek Optimist Club. Daniel oversees the Edward Jones office in Bellbrook and is a volunteer with the Kairos Prison Ministry in the Lebanon Correctional Institution, where he helps provide a 72-hour Christian course for inmates.

Aaron Friedrich (M.S.), a geologist employed by Conestoga Rovers & Associates in Indiana-polis, Ind., presented "Vapor Intrusion Mitigation System Design, Installation, and Testing"—which covered the remediation of the vapor intrusion pathway at a daycare facility with elevated indoor air impacts—at the Eighth International Conference of Remediation of Chlorinated and Recalcitrant Compounds in Monterey, Calif.

2006

Megan Feasel (B.A., M.P.A.), assistant director of the student recreation center at Armstrong Atlantic State University in Savannah, Ga., ran a 3:40 in the 2012 Boston Marathon, finishing in the top 9 percent.

KJ Hippensteel (B.F.A.) plays the understudy for the male lead, Fiyero, in the touring company production of the Broadway show *Wicked*.

William McIntire (B.A., M.A.), who teaches at Edison Community College, was elected to the New Carlisle (Ohio) City Council.

Matthew C. Sortman (B.A.), formerly a full-time corrections officer at the Greene County Sheriff's Office and a part-time police officer for the Cedarville Police Department, was hired by the Fairborn Police Department.

2005

Matthew Burgy (B.F.A., M.Ed.), whose murals decorate the hallways of Apex Community Church in Kettering (Ohio), will be teaching Early Childhood Art Education at the University of Dayton this fall.

Avinash Konkani (M.S.) was awarded the "Michael J. Miller Scholarship" by the Association for the Advancement of Medical Instrumentation Foundation, one



of only two such scholarships awarded nationwide.

Julie Sommer (B.S.Ed., M.S.Ed.), a fifth-grade teacher in Marion (Ohio) Local Schools, was named one of 25 finalists for the "Best Teacher in America" award.

2004

Amy Caperna (B.A.) was named Director of Business Development for the Wilmington, N.C., office of Gray & Creech Water Systems, Inc., a Raleigh-based distributor of drinking water and coffee systems.

2003

Vernard Hollins



(B.S.Ed.), who played basketball for Wright State, has written *The Disease Didn't Kill the Dream*, a book about Hollins' life in basketball.

Ryan Johnson (B.S.B.), an equity research analyst at Fifth Third Bancorp in Cincinnati, was promoted to assistant vice president.

Scott Mendelson (B.A.) is a freelance film critic/pundit who specializes in box office analysis. He blogs primarily at *Mendelson's Memos* while syndicating at *The Huffington Post* and *Valley Scene Magazine*.

2002

Catherine "Katy" Crosby (M.P.A.) was appointed executive director of Dayton's Human Relations Council. The council investigates discrimination complaints and works to boost participation in contracting with the city by minority-owned companies as well as women-owned and small businesses.

Ryan Singer (B.A.), a Los Angeles-based comic, was named by *Rolling Stone* magazine as "Comedians Who Should Be Big." His debut album was selected as one of *Punchline* magazine's Top 10 comedy CDs of 2010.

2001

Macarthur Drake Jr. (M.D.), a radiologist, was appointed to the medical staff at Nyack Hospital in Nyack, N.Y.

2000

Katie Pennington (M.S.T.), a physics and physical science teacher at Miamisburg (Ohio) High School, was honored by Sigma Xi as Outstanding High School Teacher.

Denise Robinson (B.S.N., M.S.)

was promoted from assistant treasurer to treasurer of the Northeastern Local School District near Springfield, Ohio.

1999

Rob Boley (B.A., M.A.) won first place in the Adult/Best in Show category of the *Dayton Daily News* Short Story Contest for a story titled *Bump*. His short fiction has been published in *A Cappella Zoo*, *Day Terrors Anthology*, *Necrotic Tissue*, and *Pseudopod*.

Staci Sigman Dennison (B.A.), director for corporate, foundation, and government relations at Cincinnati Museum Center, was named the 2011 Ohio Museums Association (OMA) Professional of the Year.

Alexandra Grizinski (B.F.A.) won a FilmDayton contest for a Web series called *Freak Club*.

Robert Russell (B.S.B.), CEO of the Dayton, Ohio-based Russell & Company Private Wealth Management, will be the subject of a documentary film by Emmy award-winning director Nick Nanton.

1998

Bob Goodman (B.S.B.) was hired as vice president of strategic sourcing and programs for the Dayton-based Peerless Technologies Corp.

Keir Holeman (B.A.), former director of the Ohio Board of Elections in Warren County, was hired as the election support manager for Dayton Legal Blank, an election-services company that serves Ohio's boards of election.

Christine Morrison (B.A.) was appointed opiate projects manager in the Ohio Department of Alcohol and Drug Addiction Services, coordinating efforts across state departments to attack opiate abuse.

1997

Gerald Ferrero (B.S.Ed.), former assistant principal at Wilmington (Ohio) High School, was hired as assistant principal at Lebanon (Ohio) High School.

Chris Jackson (B.S., M.S.) joined Calfee, Halter & Griswold LLP's Intellectual Property practice group in Columbus, Ohio.

Bill Kennedy (B.A.) is an anthropologist and curator for the Dayton Museum of Natural History, which operates the Boonshoft Museum of Discovery, SunWatch

Indian Village, and the Fort Ancient State Memorial. He is responsible for the care of a collection of 1.4 million anthropological and archaeological objects from around the world and conducts research, excavates, and reconstructs archaeological sites, presents exhibits and programming, and teaches college-level courses.

Tom Mayor (B.F.A.) released a documentary, *Call of the Scenic River: An Ohio Journey*, to coincide with the 40th anniversary of the Clean Water Act. He is an educational film and video producer and runs his own film production company, The Message Shop. The documentary was filmed by Ohio cinematographers and fellow Wright State motion pictures graduates, **Mike King** (B.F.A. 1991) and **Adam White** (B.F.A. 1995), with underwater footage by Mayor. Public screenings are scheduled in select Ohio cities.

Gary C. Norman (B.A.) has been appointed by the governor of Maryland as a commissioner on the Maryland Commission on Civil Rights. He has served since 2009.

Kellie Warren (Psy.D.) was named CEO of Phoenix, Ariz.-based Florence Crittenton, a nonprofit organization that provides shelter, education, counseling, and support to at-risk girls.

Dan Young (M.B.A.) is chief executive officer of Young's Jersey Dairy, one of the most visited attractions in the Dayton region, with more than 1.1 million visitors annually. He currently provides leadership and training for a 300-person workforce, directs marketing and positioning of the company, leads the strategic planning process, and is responsible for the company's financial performance.

1995

Kevin Bell (B.S.Ed., M.Ed.) was named superintendent of Trotwood-Madison (Ohio) Schools.

Mel Grosvenor (B.A.) is a park naturalist with Greene County Parks & Trails. She is lending her artistic talents to murals throughout the Narrows Reserve Nature Center in Beavercreek, Ohio, and adding nature-based murals to the nature center, which houses not only naturalist staff but also a variety of native wildlife.

Bruce Robertson (B.S.B.), police chief of the Centerville (Ohio) Police

Department, has earned a master's degree in security studies from the Naval Postgraduate School and the U.S. Department of Homeland Security.

Adam White (B.F.A.) won two regional Emmys for his work as director on a documentary about the restoration of a plane used in the famous Doolittle Raiders bombing run of Japan in WWII. *The Restorers: They Were All Volunteers* won for Writing (Program) and Technical Achievement. The awards were bestowed at the 43rd Annual Lower Great Lakes Regional Emmy Awards held in Indianapolis, Ind. White, who received his degree in motion pictures, has worked in the film industry for almost 20 years and is based in Cleveland.

1994

Rob Evans (B.S.) is president of the Beaver Creek Wetlands Association in Ohio. The all-volunteer organization oversees about 1,800 acres of wetland along the Big and Little Beaver Creeks. Evans is a systems engineer at the Computer Sciences Corp. in Beavercreek.

Kirsten McCaw Grossman (B.A.), counsel at the New Jersey law firm of Nukk-Freeman & Cerra P.C., was presented along with her firm with the Platinum Award for Private Sector Law Firm by the New Jersey Women Lawyers Association.

Danielle Kuehnle (B.A.) was promoted to director of new development sales and leasing at Miamisburg, Ohio-based Oberer Realty Services.

1993

Shawn Heflick (B.S.), a herpetologist and conservation biologist, stars in *Python Hunters* on the NatGeo WLD television channel. *Python Hunters* chronicles the



search for giant pythons in the Florida Everglades.

1992

Mike Costarella (M.S.), who owns a software development consulting firm that has performed subcontracting for large organizations in the Cleveland, Akron, Youngstown, and Pittsburgh areas, has served two terms as Council at Large in Girard, Ohio.

Jim Mozer (B.S.M.E.) was named senior vice president of Crown

Equipment Corp., overseeing the New Bremen, Ohio-based company's international sales and marketing programs as well as business operations throughout the Americas and Asia Pacific regions.

1991

David Gunter (B.S.) was hired as product manager for Everris Ornamental Horticulture, a Dublin, Ohio-based company specializing in ornamental horticulture, turf and amenity, and specialty agriculture.

1990

Terry Bouquot (B.S.B.) was appointed by Cox Media Group Ohio as senior director of business operations for the northern Cincinnati market. Bouquot leads CMG Ohio's Cincinnati-based team of sales and marketing professionals, and works closely with the content team to evolve the company's brand offerings in Cincinnati. CMG Ohio's media businesses include newspaper, publishing, radio, television, digital, and direct marketing.

Sheri Sword (B.A.), the Dayton Better Business Bureau vice president of communications, has been selected as 2012 Wright State University Department of Communication Outstanding Alumna.

1989

Lynne Brown (B.S.) was appointed by the United States Patent and Trademark Office to be an Administrative Patent Judge on the Board of Patent Appeals.

1988

Elliott Fegelman (M.D.) was named chief of staff at Jewish Hospital in Cincinnati. He was appointed chief of surgery in 2002.

Diane LeMay (M.D.) of Licking Memorial Pediatrics in Newark, Ohio, was honored with the Centers for Disease Control and Prevention Childhood Immunization Champion Award for Ohio for her successful immunization program.

N. Gemini Sasson (B.S.Ed., M.S.) has written *The King Must Die*, a book set in 1326 England that revolves around King Edward and Queen Isabella.

Barbara Schwartz-Arevalo (M.A.), an art therapist who works with troubled children and adults or those with disabilities, is teaching an art therapy course at West Virginia State University.

1987



Betsy Brown Hand Baugh (B.A.) was hired as vice president of fund development and community relations for

Clovernook Center for the Blind and Visually Impaired, a not-for-profit organization in North College Hill, Ohio, that empowers people who are blind or visually impaired to be self-sufficient and full participants in their communities.

Gina Bier (B.A.), a detective and underwater crime scene investigator for the Kettering (Ohio) Police Department, was inducted in the Women Divers Hall of Fame.

Pouran Faghri (M.S., M.D.), is director of the University of Connecticut's Graduate Program in Health Promotion Sciences.

Ross D. Martin (B.A., M.D., M.H.A.), is working for Deloitte Consulting and serves as an advisor to the Department of Health and Human Services.

Amy Twarek (B.S.B.), treasurer at Upper Valley Career Center in the Mad River Local School District in Piqua, Ohio, has been named treasurer of Princeton (Ohio) City Schools.

1986

Tom Clayton (M.B.A.) is an industry consultant for the financial services and insurance practice within HP's Imaging & Printing Division's Enterprise Software business in Seattle.

Stuart Donavan (M.D.) has been appointed by TriHealth as medical staff president of the Bethesda (Ohio) Medical/Dental Staff, a role that includes supervision of the Butler County Surgery Center. Donovan is a national preceptor for laparoscopic hernia surgery for Ethicon and has instructed surgeons from the United States and Europe on advanced laparoscopic techniques in hernia surgery.

1985

Judy Dodge (B.A.), Montgomery County commissioner, received a Women of Influence award from the Dayton YWCA.

Jonathan Hargis (M.B.A.) was named executive vice president and chief marketing officer for Charter Communications Inc., overseeing

sales and marketing activities for the St. Louis-based broadband communications company and cable operator.

1984

Mike Meade (B.S.M.T.) was named manager of laboratory services at Clinton Memorial Hospital in Wilmington, Ohio. He previously worked for Decypher Technologies as a consultant in transitioning the U.S. Air Force Epidemiology Laboratory from San Antonio, Tex., to Wright-Patterson Air Force Base in Dayton, Ohio.

1983

James Augustine (M.D.) was named a senior reviewer for the *Annals of Emergency Medicine - EMP.com*. Augustine serves as director of clinical operations at EMP and works with EMP's partner hospital locations as well as other hospital organizations across the country to help improve the design and efficiency of emergency departments. He has published more than 150 articles, chapters, and columns in emergency medicine literature.

Frances Duntz (M.B.A.), a former Air Force executive who consults for companies, was named to the National Aviation Hall of Fame board of trustees.

John Hassoun (B.S., M.A.) is co-chief executive officer at ATSC, which provides IT systems solutions, consulting services, and infrastructure support to federal civilian agencies, the Department of Defense, public safety, national security customers, and commercial enterprises.

1982

Jean Koeller (B.F.A.), an artist, had about 30 of her landscape paintings featured in *Nature = Art*, an exhibit at the Troy-Hayner Cultural Center in Troy, Ohio.

1981

Tyeis Baker-Baumann (M.S.), president and CEO of Rebsco, Inc., a Greenville, Ohio-based design/build contractor and custom fabrication company, was named 2012 Chamber Citizen of the Year by the Darke County Chamber of Commerce.

John R. Dimar II (M.D.), an orthopedic surgeon at Norton Leatherman Spine Care in Louisville, Ky., and chief pediatric orthopedic surgeon at Kosair Children's Hospital, was among spine surgeons who focus

on scoliosis that were featured in *Becker's Orthopedic and Spine Review*.

Mark Sparling (B.S.B.), a financial executive in the airline and manufacturing industries, was named to the National Aviation Hall of Fame board of trustees.

1980

Anthony B. Whitmore (M.Ed.), who helped connect Wright State University with a university in Turkey and helped get the growing local Ahiska Turkish community more involved in the Dayton area, won the International Student Advocate Award presented by the University Center for International Education.

1979

Larry Hamilton (M.Ed.), a retired teacher and a genealogist, has written *Between Two Suns: The Berean Experience*, a family history narrative that includes a Reconstructive Era outlook at the struggle to maintain the mission of Berea College in Berea, Kentucky, as the first coeducational and interracial educational institution in the South.

Joni Shives (B.S., M.Ed.) retired as a teacher in the Tri-Village School District in New Madison, Ohio, after a 34-year career teaching kindergarten and first-grade students.

1978

Cheryl Hoying (B.S.N., M.S.), senior vice president of patient services at Cincinnati Children's Hospital Medical Center and an adjunct instructor at Wright State, has been named a 2012 YWCA Career Women of Achievement honoree.

1977

Betsy Stone Witt (B.S., M.S.), who retired as senior intelligence engineer for the National Air and Space Intelligence Center (NASIC) and chair of the national Defense Intelligence Space Threats and Operations Committee, is teaching mathematics at Wright State.

1976

Brooke Atherton (B.A.), fabric artist and artist in residence at the Yellowstone Art Museum, had her exhibit at the Toucan Gallery in Billings, Montana, extended because of the show's popularity.

Claire Orologas (B.S.Ed., M.Ed.) was named executive director of the Polk Museum of Art in Lakeland, Fla. Orologas spent a decade at the

Freer Gallery of Art and the Arthur M. Sackler Gallery in Washington, D.C., both part of the Smithsonian Institution. She served as head of education and public programs for the museums, which specialize in Asian art.

1975

Judy Hennessey (M.Ed.), superintendent/CEO, The Dayton Early College Academy, Inc., received a Women of Influence award from the Dayton YWCA.

Frank Wagner (B.S.B.) was named executive vice president and senior commercial lender for Richland Bank, which serves the Mansfield (Ohio) area.

1974

Charlie Painter (M.Ed.), head tennis coach at Beavercreek (Ohio) High School, was named the U.S. Professional Tennis Association Midwest High School Coach of the Year, an honor that covers eight states.

Thomas A. Reichert (B.A.) is course director of the Defense Distribution Management Course at the Army Logistics Management College in Fort Lee (Va.).

Michael R. Schock (B.S.) is the 2011 recipient of the A.P. Black Research Award from the American Water Works Association. The award is given to recognize outstanding research contributions to water science and water supply rendered over an appreciable period of time. Schock is a chemist with the U.S. EPA in Cincinnati.

1973



Dan Orr (B.S., M.S.), president of the Divers Alert Network, is a recipient of the 2012 Diving Equipment & Marketing

Association's Reaching Out Award and an inductee into DEMA's Hall of Fame. The award recognizes people who have made a significant contribution to the sport of diving by "reaching out" in some special way to improve the sport.

1971

Doug Boyd (B.S.Ed.) celebrated his 40th year with Junior Achievement, including the last 35 years as director of Junior Achievement in the Middletown (Ohio) area. Junior Achievement serves 5,000 students K-12 at 30 area schools.

Barbara W. Parsons (B.S.Ed.)

is a teacher, senior class advisor, and commencement coordinator at Fairborn High School in Fairborn, Ohio.

David Schwinn (M.B.A.) is a professor of management at Lansing Community College and a part-time consultant in the college's Small Business and Technology Development Center. He is also a consultant in systems and organizational development with InGenius and INTERACT Associates and an associate of PQ Systems. Schwinn worked with W. Edwards Deming, Ph.D., at Ford Motor Co.'s corporate quality office.



The Restorers: They Were All Volunteers, Adam White, B.F.A., '95.

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Hoops

By JIM HANNAH

The Wright State women's basketball team won 21 games last season, the most in its 25-year Division I history. And the Raiders did it as the second youngest team in the nation.

"This year we'll have a little more experience because just about everybody will be back," said third-year coach Mike Bradbury. "We're excited. We should be better than we were last season."

Among the returners is sophomore Kim Demmings, a guard who will be the cornerstone of the 2012-13 team. Demmings averaged 18.4 points a game last season and was a Second Team Freshman All-American.

"Outside of Amber Harris, who I had at Xavier, she's probably the best player that I've ever coached," Bradbury said of Demmings. "Her athleticism and quickness is off the charts. She's really gotten to where she can shoot the 3. And she plays extremely hard."

Also returning is Mylan Woods, who transferred from Northwestern University and played only one game before an injury sidelined her for the season.

"She'll be a big part of what we're doing," Bradbury added.

Other returners include post player Tayler Stanton, a transfer from Kent State; Courtney Boyd, who started every game last season; and Kayla Lamotte.

The Raiders also have a promising group of incoming players. They include Jasmine Johnson of Columbus; and two junior college players—Ja'Monica Orton and Brianna Innocent. All three are expected to make an immediate impact.

"We should be able to continue to play faster than we have," said Bradbury, who expects the Raiders to compete with Green Bay and Detroit for the Horizon League crown. "As we've changed our personnel, we've tried to get more athletic."

On the men's team there will be speed in the form of point guard Reggie Arceneaux, inside scoring threats from several returning big men, and an experienced crop of new recruits.

These are the weapons in the arsenal of men's basketball coach Billy Donlon, who expects the Raiders to be stronger this season when it comes to scoring in the paint.

"We'll have to throw the ball inside more.

We have to rebound the basketball," Donlon said. "It won't be as perimeter oriented."

The big men near the basket include A. J. Pacher, 6-foot-10, 245 pounds; Tavares Sledge, 6-9, 225 pounds; and Cole Darling, 6-8, 200 pounds.

"Cole can really do everything well. There were nights when he was the best player on the floor," Donlon said.

But he said Darling needs to become more consistent, gain some size, and learn to get his jump shot off quicker, like Pacher.

"I would love to play A. J. 25-plus minutes a game because his points per minute are almost astronomical," Donlon said. "But he's got to learn to defend without fouling. People attack him because they know he fouls."

Scoring will also fall to Arceneaux, the 5-9 guard who averaged nearly nine points a game as a freshman and scored 19 against Idaho.

"He can make all kinds of shots," Donlon said. "He can make a 3; he can make a shot in the mid-range; his speed can get him all the way to the rim and make a layup. We saw flashes of that last year."

Donlon said Arceneaux also has great speed, but needs to learn to change speeds, use intermediate gears.

"Our job as coaching staff is to get him to use his speed better, as more of a weapon," Donlon said.

The incoming players bring an unusual amount of experience to the team.

Point guard Antonio "Bobo" Drummond came to Wright State from Lumiere Academy in LaPorte, Indiana, where he averaged 13.8 points and 6.2 assists a game.

"He played against some of the best guards in the country," Donlon said.

Guard Joe Bramanti arrived from Brewster Academy in Wolfeboro, New Hampshire, where he averaged 22.3 points and six rebounds.

"He really brings great toughness, a good IQ for the game," Donlon said.

Bramanti and Drummond join a freshman class that includes J. T. Yoho, a 6-6 guard/forward, and Jacoby Roddy, a 6-5 forward.

Donlon said Yoho can make shots and Roddy is a "pure athlete" who can defend.

"All those guys will have a chance to play, which should excite them and make practices competitive," Donlon said.

As for Horizon League play, Valparaiso, Detroit, and Green Bay are all expected to have strong teams this season.

"The schedule is a good one," Donlon said. "The league is always very, very good." **W**



Reggie Arceneaux



Kim Demmings

CAMPUS



The northwestern façade of Rike Hall was decorated over the summer with new signage that marks the Raj Soin College of Business. The artwork, designed in the Office of Communications and Marketing, wraps around two corners of the building and was inspired by early Wall Street ticker tape. The market symbols represent a sample of companies that relate to the Dayton region, and their values are frozen in time from the moment the sign was designed.



