



# Still

*magazine*

## Headstrong

ATSU stands ready  
in the face of change.

Porte





## Our point of **view**

Muscles flex at the Arizona Founder's Day dodge ball tournament. Learn more about the event on p.30.



**Thank you, everyone,  
for the opportunity  
you have given me  
to serve you.**

Friends:

It is with some sadness that I write in this issue of the magazine, because, as planned, I am retiring from this magnificent University, effective July 1. It is also with a large measure of pride, however, that I look back over my time at ATSU. These few years have seen much positive change, effected through the hard work, dedication, and professionalism of the faculty and staff on both campuses and the unflinching vision and support of the Board of Trustees—all in order to graduate highly competent and compassionate healthcare professionals to serve our states, the nation, and the world.

We have come a long way since Valentine's Day 2008, my first day on the job after the board asked me to take the presidency. Together we have made great strides in unifying the two campuses structurally and culturally, crafting a comprehensive strategic plan with far-reaching objectives, and receiving full accreditation from the Higher Learning Commission, including praise for our achievements in a recent follow-up site visit report.

We are also making excellent progress in establishing a sixth school, the Missouri School of Dentistry & Oral Health, including ongoing construction of the interprofessional dental building in Kirksville and the hiring away from the U.S. Surgeon General's office of Dr. Christopher Halliday as the School's inaugural dean. We have also nearly completed a facilities plan

for the entire University, one which will help us with the space needed for instruction, research, and support in order to move forward.

While I believe we have made much progress in the past four years and several months, we have a long way to go. The broad path is mapped out, and the people who will lead us there are in place, wholly committed to the task, beginning with Dr. Craig Phelps, your new president.

I have had the pleasure of working closely with Dr. Phelps for a few months now, and I know he is prepared to work collaboratively with all constituents of ATSU, internal and external, and committed to the mission and vision of the board. He will have significant challenges; he has the ability, with your help, to meet them and to lead ATSU into preeminence.

My time at ATSU has been wonderful—exciting, replete with hurdles overcome and goals accomplished, and professionally and personally rewarding. My greatest reward has been in coming to know the many individuals who make up the family that is A.T. Still University, all of you who have welcomed, encouraged, and advised me, giving freely of yourselves to help us work together to build a better place.

I have learned above all that we do indeed have a family with a mission to graduate highly competent healthcare professionals who will (in the words of our founder, Dr. Andrew Taylor Still) extend the touch of the soft hand of human kindness to those in need.

Peace,

*Jack Magruder*  
Jack Magruder, president

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## Our mission

A.T. Still University of Health Sciences serves as a learning-centered university dedicated to preparing highly competent professionals through innovative academic programs with a commitment to continue its osteopathic heritage and focus on whole person healthcare, scholarship, community health, interprofessional education, diversity, and underserved populations.

# Contents

# Still

magazine Vol. 7, No. 2

## Inspiration



63 Global humanitarian



66 Dental student 007



68 Straight to the top

*Still Magazine* strengthens and extends the positive connections of alumni, faculty, staff, and students to the University and each other by informing, entertaining, and engendering pride in a shared experience and University mission. The magazine focuses on a variety of academic, social, political, cultural, scientific, and artistic issues through the lens of student and alumni achievements, faculty research, and institutional news.



27 KCOM and Truman State University students make an interdisciplinary House Calls visit to the Ross home.

## Features

### 24 Uncrossing the lines of communication

A handful of programs across the University beautifully demonstrate the positive outcomes of interprofessional education.

### 30 Founder's Day, the Arizona way

The Arizona campus celebrates with a thrilling dodge ball tournament.

### 34 Looking forward, giving back

ATSU recognizes the donors who make whole person healthcare a reality for underserved populations.

## In every issue

### 5 In brief

- Faculty news
- 5 big ideas
- Hot sheet
- From the archives

### 69 Connections

- Class notes
- In memoriam
- The last word

**“The bottom line is that the patient is the center of healthcare, and everyone else works together to best satisfy the needs of the patient.”**

- Margaret Wilson, DO, dean, KCOM



Cover design by Ann Bailey  
Cover photos by Kelly Rogers



### Can you hear me now?

Good communication means we should listen as much as we speak. And we at *Still Magazine* love to hear from you! That's why our annual readership survey went out in the spring issue – we want to know how this publication fits into your life and how we can continue to improve it to meet you where you are.

Thanks to everyone and your overwhelming feedback, which is summarized on p.72, you'll notice that this issue has transformed based on what we learned from this year's survey. Because you asked for it, news briefs have taken a back seat (find them online at [iconnect.atsu.edu](http://iconnect.atsu.edu)), more in-depth profiles on the people of ATSU are featured, and a spotlight shines on the University research community.

The communication theme continues as the cover story on interprofessional education brings to light what ATSU is doing to create a truly learning-centered environment for students and improve patient outcomes. You'll learn of several creative programs that demonstrate the effectiveness of IPE.

As always, we look forward to your comments on the cover story and the magazine's facelift – keeping the lines of communication open and operating!

*Lee Cashatt*  
Lee Cashatt, editor

Don't forget to visit us online at [stillmagazine.atsu.edu](http://stillmagazine.atsu.edu).

from the editor



### Letters to the editor

#### Warm compliments

[The spring issue of] the magazine was done so well, and I just wanted to compliment you and your staff on it. Excellent. Good job!

Jennifer Sargentini  
Kirksville, Mo.

#### Lacking depth

I think that the research should have been more in-depth regarding KCOM alumni who were also providing care at Freeman, as well as the role of Freeman Health System in the aftermath of the storm [spring 2012 issue]. Freeman Health has a longstanding tradition of working with KCOM and is aggressive in its training of the next generation of osteopathic physicians.

Tyrone Adcock, DO, '92, FACOG  
Joplin, Mo.

#### DO work ethic admired

Though his [R.C. Fischer, DO, '33] son-in-law in life, not associated with the medical profession in any way, I have the profound gut-feeling that he stood near the top of having those qualities manifest by "old school" principles and practices of ATSU. I was completely taken by the work ethic of my father-in-law – still am and miss him for that.

William J. Cable  
Steven's Point, Wis.



# Still magazine

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**Write to us!** Letters will be edited for style and length.



## In brief

### **The face of poverty**

*Students experience life on the edge*

Poverty is a reality for 46.2 million Americans. More than 14 percent do not have enough to eat. Many do not have enough money to pay bills or cover healthcare costs. KCOM students experienced the same uncertainty and struggles in a poverty simulation held in January.

Students joined mock families facing tough economic, social, and emotional situations and worked to find a solution to their everyday needs.

"[The poverty simulation was] a reminder that we must never lose site of the social and emotional context of our patients when treating their physical conditions," said Caitlin Molloy, OMS II. "When legitimately struggling to make ends meet, they are often unable to prioritize their health."

# Love story

## A farewell to President Magruder

By Heinz D. Woehlke



A beautiful love story began in a class registration line on the campus of what is now Truman State University; it was June 4, 1954, and a young Jack Magruder met a young lady named Sue Brimer and boldly struck up a conversation. Just months later they married and have been together ever since. They have three children: Julie, Kerry, and Laura—and seven grandchildren. Anyone who knows the family knows that **the Jack-and-Sue love story is an enduring one.**

A second love story is Magruder's lifelong passion for education. He earned his degrees, including a doctorate, in mathematics and chemistry. He worked in a lab for a while mixing chemicals (often radioactive) and experimenting with new combinations, when he realized one day that this was not the job for him. He loved people, loved learning, and knew he wanted to help others learn. He decided to teach.

He taught chemistry for three years at a community college in California, then at Truman for 22 years until he became head of the science division.

If you have spent any time publicly in Kirksville with Magruder—

anywhere in the state of Missouri, for that matter—you have experienced the friendly interruptions of old acquaintances addressing President Magruder as Jack. He would remember their names, sometimes even spouses' or children's names as well. He would then turn to his companion for breakfast or lunch and say, "She [or he] was in my 7:30 chemistry class." It is truly amazing how many students he has taught and how many greet him and remember his class fondly—even if they did poorly.

He later held the post of vice president for academic affairs at Truman before becoming president of the university in 1994. As VPAA and president he inspired others to

work together toward a common goal and to always keep in mind how one's decisions affect students and student learning. He retired in 2003.

Asked by the Board of Trustees to become president at A.T. Still University, he took over on Valentine's Day 2008, an auspicious day on which to continue his love story with education; and in keeping with his first love, he did not say yes to the board until Sue agreed.

Charged by the board with certain tasks—renewing the relationship between Kirksville and the University and achieving Higher Learning Commission accreditation—Magruder set about his new duties with his usual enthusiasm. He has succeeded tremendously well: ATSU's relationship with the city is better than ever, and full HLC accreditation has been awarded.

During the short time he has been here, Magruder has led the way to "universitize" ATSU, one of the chief goals set by the HLC. He has placed academics under one leader and strategic initiatives under one leader as well; caused the formation of a university-wide faculty senate, student association, alumni association, and staff council; established the centrality of planning and assessment under one individual; asked for unification of our two libraries; and set in motion the crafting of a comprehensive strategic plan with far-reaching objectives, under a new mission statement and vision of the board—a plan that is already being implemented.

A sixth school is well under way to opening its doors in 2013, the Missouri School of Dentistry & Oral Health, which would not have happened without Magruder.

And a major facilities plan has nearly been completed for both campuses, boldly addressing the needs for instruction, research, and learning.

Magruder himself reminds everyone that none of the progress that ATSU has made could have been accomplished without the dedicated and talented faculty and staff on both campuses, the wonderful students, the vision and support of the board, and the many friends of the University.

ATSU has benefited greatly from Magruder's lifelong partnership with his wife, Sue, that first and enduring love story; for the second love story about education that is Jack Magruder's would not have been possible without the first. We at ATSU are forever grateful.





# Great people, great plans

By Katie Thudium

For the first time in nearly 30 years, the president of A.T. Still University will be a product of its own. Craig Phelps, DO, FAOASM, '84, will become ATSU president effective July 1, 2012. Being a KCOM graduate, Dr. Phelps personifies the osteopathic philosophy of body, mind, and spirit, as well as the teamwork leadership style that provided him a strong foundation for his career. Dr. Phelps says that attending KCOM "changed my life."

For Dr. Phelps, it's about serving—serving ATSU's students, faculty, staff, and constituents. And, in his 28-year history in serving ATSU, he has developed a deep understanding of the University and the healthcare field. In addition to teamwork, his beliefs in collegiality, collaboration, consensus, and administrative responsibility are the leadership philosophies he feels will help ATSU continue to do great things.

Dr. Phelps also understands the challenges ahead, not only for healthcare education, but also for the healthcare system as a whole. He believes it is the role of institutions such as ATSU to prepare students for these challenges.

Dr. Phelps plans to take ATSU to the next level and achieve the Board of Trustees' vision of preeminence.

"It will be a discussion that occurs throughout the University, and we will all move together toward accomplishing those vision areas," says Dr. Phelps.

As for Dr. Phelps' immediate priorities, he plans to create a smooth leadership transition and to honor the work Dr. Magruder has done.

His early role, he says, will include a great deal of listening. He wants to have a strong understanding of what is happening on both campuses, as well as overall accomplishments. He will work university-wide to identify priorities, how those priorities relate to the strategic plan, and how to move forward.

"If you have great people and great plans, a lot of the effort needs

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## One on one

### Q&A session with Dr. Phelps

**Q:** What's the best piece of advice you've been given since being named the next ATSU president?

**A:** The job is not about you but about A.T. Still University. And, to take care of yourself and your family.

**We picked his brain on 10 other topics. Read exclusive content online at [stillmagazine.atsu.edu](http://stillmagazine.atsu.edu).**

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to be focused on continuing to develop those great people and great plans," says Dr. Phelps, "and we have great people and great plans."



# A servant's heart

By Katie Thudium



Ron Gaber (center) and fellow Green Bay Packer fans at Still-A-Bratton 2010.

In March, Ron Gaber, EdS, retired from A.T. Still University. Over the past 24 years, he has accomplished much and has been of service to many. He served as dean/vice president for student affairs and associate professor, and for many years, taught death and dying as part of KCOM's curriculum.

Through the years, Gaber has served the University, and his community, in many ways. In addition to co-founding ATSU's Still-Wellbeing Program and creating the LeaderScript program, he has maintained an emphasis on planning for results, a commitment to student engagement, and a dedication to student spouse/partner career planning. His primary focus and passion, though, has been student advocacy, which he believes is his greatest accomplishment.

"When I came [to ATSU] in 1988, my goal was to develop a student support system," says Gaber. "Students should have a balanced education and a balanced life."

"Ron works hard for student interests, not just to satisfy student needs, but to empower students to find ways to serve themselves and each other," says Brian Moore, OMS II. "In two short years on campus, we grow with his guidance into strong, confident leaders and ambassadors for the osteopathic profession."

Adam Bennett, D2, says, "Whatever the issue, Ron has always made himself available to listen and provide invaluable feedback. He has encouraged me to dream and pursue goals I am passion-

ate about outside of my field of study. At the same time, he has been a wonderful friend."

Lori Haxton, MA, interim vice president for student affairs, who has worked with Gaber for 23 years, says, "Personally and professionally, Ron has been a tremendous mentor."



While Gaber will miss ATSU, he is excited about his retirement—getting back to nature on his ranch, staying busy in the community, and taking long-awaited trips, especially those to watch his beloved Green Bay Packers and Wisconsin Badgers.

Most of all, Gaber will miss the students.

"We have some of the finest, most outstanding, compassionate, caring students a school could want," says Gaber. "Take the opportunity to spend every moment you can with students because they are caring and compassionate human beings with tremendous skills and abilities and great life experiences. Savor the moment to interact and be part of their lives because if you miss that, you've missed a great deal."

He will also miss ATSU's service-oriented environment. He credits the tremendous faculty, staff, and administrators who, he feels, have "servants' hearts."

# All smiles

## Breaking ground at MOSDOH

By Katie Thudium



(l-r) Missouri Sen. Brian Munzlinger, Missouri Gov. Jay Nixon, ATSU President Jack Magruder, Sue Magruder, Board Chair Dr. Clyde Evans, ATSU President-designate Dr. Craig Phelps, and MOSDOH Inaugural Dean Dr. Christopher Halliday

On March 15, amid sunshine and unseasonably warm temperatures, ATSU celebrated a symbolic milestone in the establishment of the Missouri School of Dentistry & Oral Health.

**Keep up with the progress at MOSDOH. Visit [www.atsu.edu/mosdoh](http://www.atsu.edu/mosdoh), for updates, pictures, design plans, and other important information.**

Approximately 500 people with shovels in hand gathered around a 150-foot strip of dirt representing the site of the new dental school, which is set to open its doors in the fall of 2013.

ATSU President Jack Magruder, who led the ceremony, was joined on stage by Missouri Governor Jay Nixon; Craig Phelps, DO, '84, FAOSM, ATSU president-designate;

Clyde Evans, PhD, board chair; and Christopher Halliday, DDS, MPH, inaugural dean, MOSDOH.

"We're here to break ground for a fantastic situation in Kirksville, Mo., that's going to have ramifications throughout the world," said Dr. Magruder.

Dr. Magruder shared details about the MOSDOH Interprofessional Education & Dentistry School

Building, significant dates throughout the development of the school, and the critical need for dental healthcare, particularly within the state.

"This is a landmark moment, not only for this University and this community, but for the state of Missouri. Addressing our population's oral health, especially among children and underserved groups, is vital to the overall state of public health," said Gov. Nixon. "It's a challenge we must and will meet. This is a capstone of excellence that will lead to opportunities in the future."

Continued on p.12



On the Cadillac of bicycles, retired Truman State University professor Donna Bailey attends the event with shovel in hand.

## Fulfilling the need The numbers in Missouri

250

current shortage  
of dentists

70

dentists retiring each year

60%

workers without dental  
insurance

49

national  
ranking for  
children to  
dentists

47

national  
ranking for  
access to  
dental care

40

students entering first  
MOSDOH class

12

counties  
with  
one  
dentist

6

counties  
with  
**no**  
dentists



Hundreds gather to break ground for MOSDOH.

Right: Andy Grimm, chief executive officer, Northeast Missouri Health Council, brought his own shovel to the event. The Health Council, who broke ground on their own clinic last year, has partnered with ATSU to provide clinic space for MOSDOH students.



Dr. Magruder introduced Dr. Halliday to the ATSU community. Dr. Halliday, who will officially begin his duties July 1, most recently served as rear admiral, assistant surgeon general, and chief of staff to the surgeon general of the United States and has a career-long history of serving diverse and underserved populations.

Dr. Halliday indicated his primary goal is to develop MOSDOH as the dental center of excellence in the country, if not in the world, ensuring these graduates will be the best dental providers.

"This is going to be a partnership," said Dr. Halliday. "I hope all of you consider yourselves to be partners in this dental school, and we're going to strive to develop dentists that emphasize collaboration, a comprehensive delivery of oral healthcare, community-based activities, and compassionate healthcare providers."

Before Dr. Magruder gave the go-ahead to turn the soil, he said, "I honestly believe that this is a God-given piece of earth for us, right here. It's entrusted to the citizens of this community and A.T. Still, to cause it to bring forth fruit. Amen. That fruit is for persons in need to live better lives, be healthier, increase wellness, and lessen pain and suffering in our own community as well as throughout the world."



President Magruder gives the crowd a thumbs up.



Steve Jorden, MA, director, student financial services, excitedly waits to turn the soil.



# faculty news

ATSU



Kirkville Mayor Detweiler & Dr. Magruder



Dr. Magruder & Gents

**ATSU President Jack Magruder** was presented a King Foundation Education Hero Award by the American Red Cross at their Day of Heroes Banquet on March 23.

On April 3, Mayor Richard Detweiler awarded him keys to the city of Kirksville for his role in bringing the new dental school to town.

President Magruder also recently spent time with a special interest organization at Truman State University, named Mu Gamma Chi, which stands for Magruder Gentlemen's Club. A women's group, called Magruder's Gems, also exists. The groups were named after Magruder, Truman's former president.

ATSU President-designate, **Craig M. Phelps, DO, '84**, has been named the National Basketball Athletic Trainers Association (NBATA) Physician of the Year for 2010-11. Dr. Phelps is the Phoenix Suns Team Physician, Internal Medicine, and was honored before the Suns game against the Dallas Mavericks on Jan. 30 at U.S. Airways Center.

The NBATA Physician of the Year award is an annual honor voted on by the members of the NBATA, designed to recognize a team physician for exceptional service and care for his/her respective team and visiting NBA teams, and also a commitment to service in the community and to NBATA charities.

Dr. Phelps has been on the Suns' medical staff for 26 years.



Dr. Phelps & son Zach

**Christopher G. Halliday, DDS, MPH**, has been named inaugural dean of ATSU's newest dental school, the Missouri School of Dentistry & Oral Health. He will begin his duties July 1.

Dr. Halliday, a rear admiral in the U.S. Public Health Service (USPHS), is assistant surgeon general and chief of staff to the surgeon general of the United States. He was director and chief dental officer of the Indian Health Service and chief professional officer of the dental category. During his term as chief dental officer of the USPHS, Dr. Halliday coordinated the delivery of oral health services by the Commissioned Corps Dental Officers from the Department of Health and Human Services, Department

of Justice, and Department of Homeland Security.

He received his doctor of dental surgery from Marquette University School of Dentistry and his master of public health from the University of North Carolina-Chapel Hill School of Public Health.

Dr. Halliday has dedicated his professional life to serving underserved populations, working in diverse areas such as Barrow, AK, and American Indian reservations in New Mexico and Arizona.

Twenty-four-year ATSU veteran **Ron Gaber**, vice president for student affairs, retired from the University on March 16. Since 1988, Gaber has served in several positions, including faculty member, dean, and vice president.

Gaber said he plans to move on to other adventures and interests and that his time at ATSU has been "wonderful."

"He has accomplished much at ATSU, and I am very grateful to him; he will be sorely missed," said ATSU President Jack Magruder. Read more on Gaber on p.9.

**Thomas Van Vleck, MA**, student affairs counselor, received ATSU's Above and Beyond Compassion Award. The award recognizes compassionate deeds, service, or acts that demonstrate caring or support of another person or



Dr. Halliday

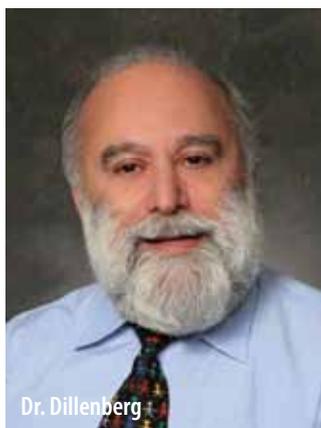


Van Vleck

group beyond what might be typically expected.

## ASDOH

**Jack Dillenberg, DDS**, was selected as a distinguished practitioner and fellow in the Dental Academy, National Academies of Practice. This honor is bestowed upon those who have excelled in their own profession and are dedicated and committed to interdisciplinary care. Dr. Dillenberg received the NAP Medallion at the annual NAP banquet in Arlington, Va., on March 23-24.



Dr. Dillenberg

**Michelle Gross-Panico, MA, RDH**, associate director, dentistry in the community, was presented with the Commitment to Underserved People award by the Arizona Public Health Association on Sept. 22.

Gross-Panico has been a faculty member since 2006 and is dedicated to administering programs that meet the oral health needs of the medically underserved.



Gross-Panico

"I appreciate this honor and thank the Arizona Public Health Association for the award and the great work they do for Arizona," Gross-Panico said.

Associate Dean of Education **Scott W. Morrison, DDS, MSD, MAEd**, and **Maureen Romer, DDS, MPA**, associate dean, post-doctoral education, were inducted as fellows of the International College of Dentists (ICD) at its 82nd annual convocation in Las Vegas on Oct. 10.

The ICD is an honorary organization for the recognition of outstanding and meritorious service to the dental profession and community. Almost 300 dentists from the United States were inducted into the college.



Dr. Morrison & Romer

**Michael K. Papademetriou, DMD, MS**, is the new clinic director of the Orthodontic program. Dr. Papademetriou finished his dental degree at the Washington University School of Dental Medicine and completed his orthodontic training at the University of California in Los Angeles. He has been in private practice as an orthodontist for 21 years.



Dr. Papademetriou

**Jae Hyun Park, PhD, DMD, MSD, MS**, director, Postgraduate Orthodontic program, was appointed

sole editor of the upcoming Nova publication *Computed Tomography: New Research*.

Nova Science Publishers publish a wide array of books and journals from authors around the globe. As an editor, Dr. Park will accept and reject chapters, review incoming manuscripts, and invite and gather additional contributions.

In January, Dr. Park published two articles in *Angle Orthodontists* and the *Journal of Clinical Pediatric Dentistry*: "The congenitally missing maxillary lateral incisor treated with atypical extraction pattern" and "Localization of Osterix and OPN in periodontal ligament during orthodontic tooth movement in rats." Both publications are SCI journals, and Dr. Park is an associate editor of the *Journal of Clinical Pediatric Dentistry*.



Dr. Park

**Maureen Romer, DDS, MPA**, was promoted to associate dean, post-doctoral education. She now oversees the administration of all post-doctoral programs at ASDOH, including the AEGD and Post Graduate Orthodontic program.



Dr. Romer

## ASHS

**Randy Danielsen, PhD, PA-C**, has been named dean and assumed his duties April 1. Dr. Danielsen was most recently senior vice president of the National Commission on Certification of Physician Assistants Foundation. Prior to that he served as ASHS dean and professor from 1995-2010.



Dr. Danielsen

**Brandi Buchanan, OTD, OTR/L**, assistant professor, occupational therapy, and **Rachel Diamant, PhD, MS, OTR/L, BCP**, associate professor, occupational therapy, traveled to Hermosillo, Mexico, in Nov. 2011 as an official delegation of the Phoenix Sister Cities Organization via the Disability Awareness Committee.

Second-year OT students Cari Campbell, Jacqueline Clark, Brandon Hepworth, and Robert Simmons and OT alumna Rachael Feierstein, MS, OTR/L, '11, also traveled with the group.

Together with Feierstein, Drs. Diamant and Buchanan provided educational OT lectures on the value and meaning of play and how to position children with a variety of disabilities for successful engagement in their daily occupations to therapists, psychology and PT students, and members of the community and Sister Cities committees.

**Annlee Burch, PT, EdD, MPH, MS**, was selected as vice dean. She assumed the title Jan. 1 and began transitioning into her new role. Dr. Burch is immediate past



Back: Renata Bringas, Mexico host; Dr. Buchanan; Dr. Diamant; Brandon Hepworth; Marcelino Romero; Rob Simmons; Cari Campbell. Front: Jacqueline Clark, Mexican PT student; Rachael Feierstein.

department chair for physical therapy and will continue that role until a replacement chair is hired.

As vice dean, Dr. Burch serves as chief operating officer for ASHS, working to improve efficiency of procedure, exploring potential for new programming, and implementing the School's strategic plan. Dr. Burch also continues to serve as chair of the University-wide Diversity Initiative.

"When I was selected as vice dean I had five minutes of excitement followed by an immediate reaction of rolling up my sleeves and getting to work," said Dr. Burch.

Her plans for the year include furthering community-based health teaching experiences for faculty, staff, and students and improving the communication flow among administration, faculty, and staff.



Dr. Burch

Dr. Burch received her EdD (2005), MPH (2000), and MS and PT (1989) from Columbia University in New York City and her BA in psychology (1981) from University of Rochester.

Dr. Burch has been with ATSU since 2008.

**Troy Hale, AuD, CCC-A FAAA**, joined the audiology department in October as an assistant professor with a primary role as director for the AFA Institute to develop an audiology clinic as part of ATSU's Doctor of Audiology program.

**Kenneth Lam, MEd, ATC**, post-doctoral research fellow, research support, co-authored "Utilizing the clinical outcomes research education for athletic trainers (CORE-AT) LITE module to facilitate the collection and tracking of patient-rated outcomes during patient care: a feasibility study" with **Bart Anderson, MS**, assistant professor, athletic training. Their research was funded by Warner/Fermaturo and an A.T. Still University Board of Trustees Research Grant from July 1, 2011-June 30, 2012.

**Ken Pavlicek, PhD**, is the new associate dean of enrichment. In his new role, Dr. Pavlicek will lead ASHS' quality assessment and enrichment team. Dr. Pavlicek will work to provide enrichment

opportunities for all faculty, staff, and administrators within the school and to assess how well ASHS is achieving its goals as individuals, as programs, as departments, and as a whole.



Dr. Pavlicek

**Tracie Rogers, PhD**, director, human movement, completed the 2011 NYC Marathon on Nov. 6. Dr. Rogers and her husband ran as part of a 20-person team, Team Chances, which raised \$120,000 for Chances for Children, an Arizona-based charity that develops fitness and wellness programs in area schools.

Dr. Rogers trained for 10 weeks, and she and her husband crossed the finish line together in four hours, 28 minutes. Nearly 50,000 runners from as far as Italy, Germany, and Japan ran the 26.2 miles.

"The streets were lined with supporters cheering for us. We wrote our names on our shirts, and the fans yell for you like they are your friends. It was unbelievable," said Dr. Rogers.



Dr. Rogers

## KCOM

**Margaret Wilson, DO, '82**, has been named dean and began her duties May 1. Dr. Wilson has served as chair of the Department of Family Medicine, Preventive Medicine, and Community Health since 1995 and has been a professor in that department. She also serves as medical director and staff physician for the Northeast Missouri Family Health Clinic in Kirksville, Mo., and has hospital staff affiliation at Northeast Regional Medical Center in Kirksville.

"I am very humbled and honored to have the opportunity to serve this great institution as dean of KCOM. I am very proud of my alma mater, the students, faculty, and staff, and I look forward to being able to work toward KCOM's continued success," Dr. Wilson said.



Dr. Wilson

## SHM

**Rita Dichele, MA, MHA, '07, CT**, adjunct instructor, health administration, has been invited to be a contributing writer to *Aging News*, a newspaper published by the American Society on Aging. She was also recently certified in thanatology, death and dying, and bereavement.

Dichele writes professionally and is a featured blog writer for [www.ecarediary.com](http://www.ecarediary.com), an educational website designed for the caregiver.

Dichele's work history comprises more than 25 years in the

field of human services where she served in many capacities working with diversified individuals in non-profit agencies, municipality and state governments, and the insurance and healthcare industries.



Dr. Dichele

Full-time MPH program faculty members presented at the National Rural Health Association's 17th Annual Rural Multiracial and Multicultural Health Conference, "New Horizons in Rural Health Care: Vision or Mirage," held Dec. 7-8, 2011, in Daytona Beach, Fla.

Presentations included "Demographics of Rural Border Health Maternal and Child Health Issues" by **Michael Samuels, DrPH**, professor; "Infant Mortality Issues in Rural Border Areas" and "Rural Border Workforce and Its Health Impact" by **V. James Guillory, DO, MPH**, professor and director of research; "Pediatric Health Issues in Rural Border Areas" and "The Role of Lay Outreach Workers (The Promotora Program)" by **Mary Katherine Smith, DrPH, MPH, MCHES**, assistant professor; "Herd Immunity: An Illustration of How and Why Vaccination Rates Matter" and "Pre-Hospital Care and the EMS Workforce" by **David Denali, PhD**, assistant professor; and

"Integrating Behavioral Health Services into Primary Care" by **Susan Randers, PhD**, assistant professor.

**Shachi Shantinath, PhD, DDS, MPH**, associate professor, public health – dental emphasis, joined SHM in February. Dr. Shantinath will teach online and work with dual degree students.

Dr. Shantinath received her dental degree from Northwestern University Dental School and completed a pediatric and dental public health residency. She received her MPH from Harvard and her PhD in clinical psychology with additional focus in health psychology from the University of Vermont.

**Sarah Spencer, BA**, associate director, online admissions, received ATSU's Above and Beyond Compassion Award. The award recognizes compassionate deeds, service, or acts that demonstrate caring or support of another person or group beyond what might be typically expected.



Spencer

## SOMA

**Kay Kalousek, DO, MS, AAHIVS, FACOFP**, has been named dean and will assume her duties July 1.

She is currently associate dean for academic and student affairs for the College of Osteopathic Medicine of the Pacific (COMP) at Western University of Health Sciences in Pomona, Calif. She earned her DO from COMP, where she also serves as associate professor of family medicine.

Dr. Kalousek brings considerable clinical expertise to the dean's position. She has been a consulting and supervising physician in a medical group and clinic and holds staff membership in a West Covina, Calif., hospital. She also has engaged in numerous volunteer activities to provide free medical care for the homeless.

"Dr. Kalousek will continue the path of innovation and excellence as the new dean of SOMA. She will work closely with our other deans to help ATSU educate highly competent and compassionate healthcare professionals," said ATSU President Jack Magruder.



Dr. Kalousek

**Jonathon Kirsch, DO, C-NMM/ OMM**, director, osteopathic principles & practices, was named a fellow of the class of 2011 by the American Osteopathic Association (AOA) Health Policy Fellowship.

The AOA Health Policy Fellowship is sponsored by Ohio University College of Osteopathic Medicine and New York Institute

of Technology, College of Osteopathic Medicine. It has been in existence for 17 years, and its purpose is to prepare doctors of osteopathic medicine to participate in, and be a resource for, healthcare policy development at both the state and national levels.

The program takes a year to complete and includes nine weekend seminars, consisting of lectures by and discussions with leading health policy administrators, advocates, and experts in the field.



Dr. Kirsch

The Health Resources and Services Administration (HRSA) awarded SOMA a \$950,000 grant for pre-doctoral training in primary care. **Frederic Schwartz, DO, '69, FACOFP**, associate dean, SOMA community campuses, is principal investigator of the project; **Mara Hover, DO**, director, SOMA clinical affairs unit, is co-principal investigator.

"The project's goals are to establish a master's of public health degree track for SOMA trainees and to develop competency-based evaluation mechanisms for third- and fourth-year students' clinical experiences," said Dr. Schwartz.

"HRSA has been wonderfully supportive in recognizing our efforts to train physicians who will select needed specialties and begin practice in underserved communities," said **Thomas E. McWilliams, DO, FACOFP**, interim dean, SOMA. This grant expands opportunities in public health training and helps align our evaluation process with



(l-r) Drs. Denali, Randers, Samuels, Guillory, and Smith

those that will be used during the student's residency training."



Dr. Schwartz

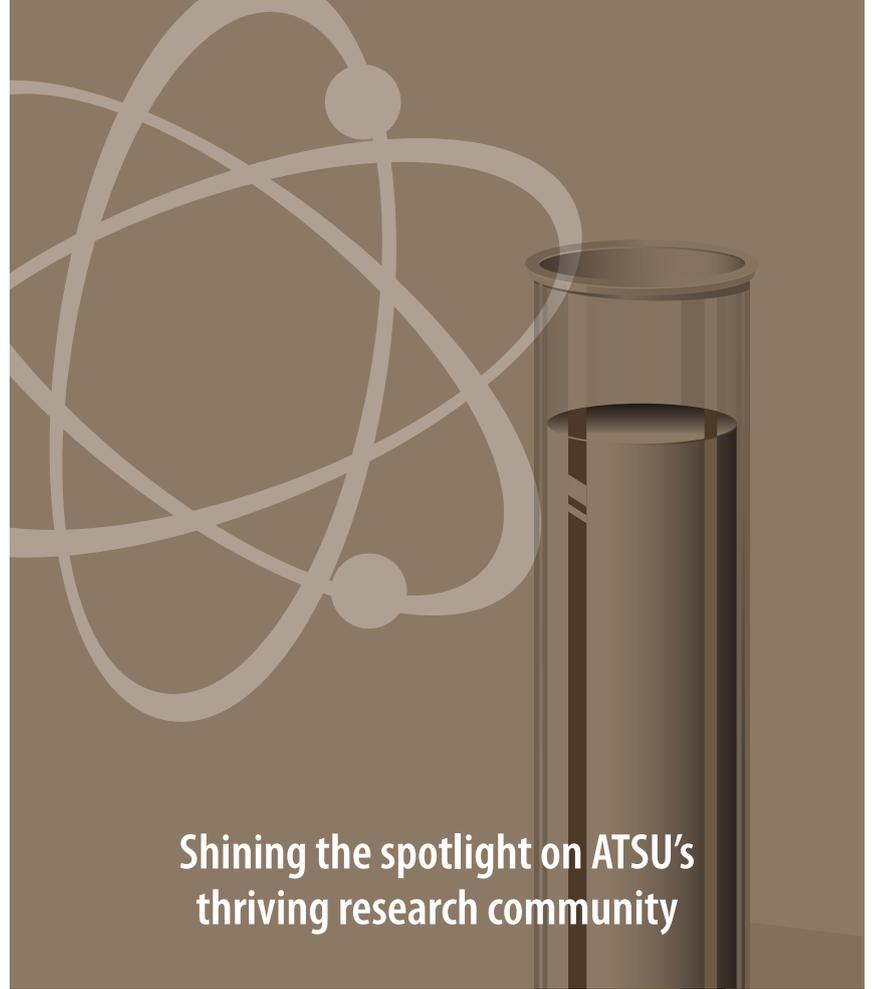
Senior Vice President – Academic Affairs **Douglas L. Wood, DO, PhD**, (founding dean) and **Thomas E. McWilliams, DO, FACOFP**, interim dean, were featured in "Learn by doing: ATSU-SOMA nourishes with early, consistent clinical experience," published in *The DO* (Oct. 2011). The article commended SOMA's trailblazing, clinically focused, community-based curriculum and highlighted the School's inaugural graduation held in June 2011. *The DO* is a publication of the American Osteopathic Association.



Dr. Wood

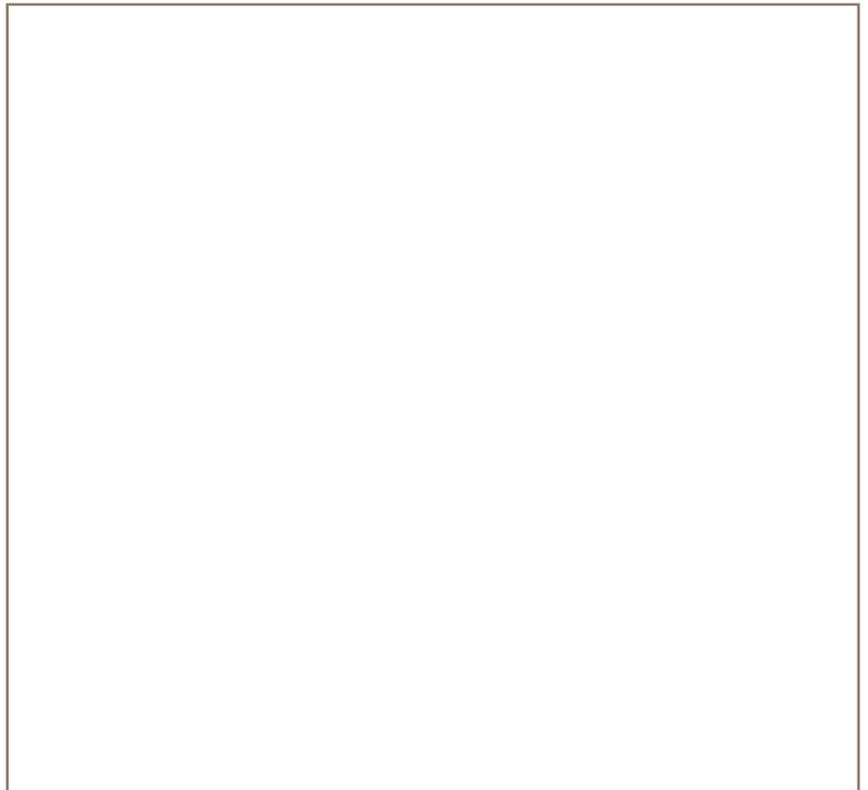


Dr. McWilliams



Shining the spotlight on ATSU's thriving research community

# 5 big ideas





KCOM

## Cancer's thermal enemy

Mark DeSantis, DO, '93, was granted a U.S. patent for his research on the thermal treatment of cancer using carbon nanotechnology. Dr. DeSantis is a board certified nuclear radiologist at the Veterans Administration Hospital in New York.

### Why is your research important?

What actually started as a simple investigation on whether nanocarbon had possible X-ray or MRI imaging properties was re-analyzed and applied to possible basic cancer research and thermal therapy.

Carbon nanoparticles occur in different basic forms and exist in the sub-micron world. We are using carbon nanosphere chains, which strongly respond to microwave energy in a certain frequency and rapidly convert microwave energy to heat.

### What do you hope to achieve?

Our research is in its early stage; however, planned animal cancer trials at Drexel University Medical School are to be scheduled. Some basic research already performed indicated its ability to thermally damage gastric cancer cells. By using a non-ionizing energy to heat them, we can potentially target cancer cells only and preserve the non-cancerous normal tissue unlike today's treatments that include ionizing radiation, which damages normal tissue.

We have so many questions to be answered including whether nanocarbon is safe to biological systems and how the microwave energy is converted to thermal energy.

### What is the next big idea?

The nanoworld is the next big question. For example, small amounts of nanocarbon have existed since the early days of primitive man when he began to experiment with wood and fire. The next big thing would be a material scientist looking into to these carbon spheres. They appear to possess extreme heat and strength capabilities.

**For more research**

For complete information on research published by ATSU faculty, visit the Publications tab on *iconnect* and check out the *Grants & You* and *ATSU Researcher* newsletters.



ASHS

## Stroke rehab

Pamela R. Bosch, PT, DPT, PhD, associate professor, director of research, physical therapy, ASHS, was named the 2010 ASHS Scholar of the Year. She presented her research on neurorehabilitation at the June 2011 World Confederation for Physical Therapy.

### Why is your research important?

In conjunction with my ATSU colleague, Jim Lynskey, PT, PhD, and our clinical colleague, Kay Wing, PT, DPT, NCS, we have used whole-body intensive neurorehabilitation to measure functional changes in arm use, walking, and balance in people living with the chronic effects of stroke. This provides a clinically-relevant model that addresses the multiple deficits most patients live with after a stroke. In addition, we are currently using robotic interventions for intensive training of a weak wrist and hand or weak ankle, which allows patients to practice multiple repetitions of motion. This may be more effective in improving function in people with hemiparesis than can be delivered within a traditional therapy session.

### What do you hope to achieve?

We hope to provide clinicians effective interventions that maximize functional abilities and quality of life among patients living with the effects of stroke-related hemiparesis. The amount of rehabilitation that most patients receive after a stroke is limited. As physical therapists, we have a responsibility to determine which interventions are most effective in improving function and quality of life for patients living with the chronic effects of a stroke.

### What is the next big idea?

The future of neurorehabilitation will require creative collaborations among basic scientists, clinical researchers, clinicians, and those who fund both research and patient care. There is fascinating new neuroscience research, particularly in areas such as brain-machine interface and virtual environments. However, many patients will never be exposed to such techniques and many others may not be appropriate for these interventions. We need to make these intensive training strategies that are so promising more widely available to people who need it now.



## ASDOH

# Laser-like precision

**Inder Makin, MD, PhD, adjunct professor, ASDOH and SOMA, is a recognized scientist in the field of medical instrumentation and technology, having published more than 20 scientific papers.**

### Why is your research important?

Periodontal, or gum, disease is a widespread problem resulting from neglect of dental care, especially for the underserved, whereby inflamed, bleeding, and infected gums can lead to loss of teeth and affect other systemic diseases, such as heart disease. Laser-based devices are shown to be effective in treating gum disease by killing the disease-causing bacteria and sterilizing infected gum pockets. This technology has developed into simple, portable, and cost-effective devices whereby treatment can be provided within the community. These laser-based techniques are being researched at ASDOH in collaboration with KCOM.

### Most important scientific achievement of the past five years in your field of research?

I have been working in the field of medical instrumentation and energy-tissue interaction for more than 20 years. The most important achievement for me has been the invention and development of a focused ultrasound-based device for the non-invasive treatment of skin laxity, which led to several publications, presentations, and more than 10 patents. This research led me to interact with scientists in the area of medical lasers, healthcare technology innovation, and dental laser applications.



### What is the next big idea?

Up next is the development of applications in dentistry that leverage healthcare information technology such as the use of smartphone-wireless chip scanning technology for biological sample tracking of periodontal bacterial specimens, the use of interactive wireless technology for community-based dental healthcare improvement, and game-based tools for graduate dental education.

## SOMA

# Listening in

**Joy H. Lewis, DO, PhD, FACP, assistant professor and director, SOMA, was recently awarded a grant to evaluate the effectiveness of using the 3M™ Littmann® Electronic Stethoscope Model 3200 and the 3M™ Littmann® Listen-in Mobile App for training second-year medical students at community health centers.**

### Why is your research important?

Literature suggests that medical students and resident trainees lack confidence and proficiency in cardiac examination skills. Students may hear a sound, have difficulty describing it, and then may be unable to reproduce that sound on further examination. Discomfort and insecurity stem from the uncertainty of what they are hearing. The instructor may never hear exactly what the student heard, thus the student does not obtain confirmation regarding the cause of the potentially abnormal sound.

### What do you hope to achieve?

3M™ has developed electronic stethoscopes that allow the recording of sounds for sharing or later review, as well as the Listen-in mobile application, which enables an Android device such as a cell phone to link with up to five Littmann® Model 3200 electronic stethoscopes. This may redefine the traditional limits of auscultation by wirelessly delivering simultaneous sound for multiple clinicians and can potentially transform the way preceptors teach and the way students learn.

This study will provide a comprehensive, real-world evaluation of the use of the electronic stethoscopes and the Listen-in application for medical student training.



The use of these instruments will be evaluated at six geographically diverse locations. The opinions, comfort levels, and skills of both students and clinician educators who use the electronic scopes and the Listen-in device will be compared with those who use traditional auscultation methods.



SHM

# Anti-dependency

Ibrahim H. Dabaja, DHEd, '09, PA-C, is COO of Medical Visiting Physicians and CEO of Infinity Primary Medicine Group. He also covers emergency medicine as a PA through the Henry Ford Hospital systems.

### Why is your research important?

Today in the United States there are an estimated 6.7 million doctor office visits and more than 40 million total healthcare visits for sore throats annually. With 20-45 percent of patients receiving antibiotics when they are not in need of them, there are approximately 8-18 million unneeded antibiotic prescriptions dispensed for viral pharyngitis. The healthcare consequences of antibiotic over-dispersion are costly not only in terms of human life, but also financially. Some estimate antibiotic-resistant bacteria generate \$4-5 billion in annual costs to individuals and society.



### What do you hope to achieve?

The purpose of my study was to combat the growing effects of antibiotic over-dispersion for viral pharyngitis through healthcare provider education. During an 18-month period in the metro-Detroit area, I developed, implemented, and evaluated a course for medical prescribers to reduce antibiotic prescriptions for patients with viral pharyngitis by increasing diagnostic accuracy.

### What is the next big idea?

The next move is to curb increasing healthcare costs on an already strained economy by addressing the growing problem of emergency room over-utilization through patient and primary care provider education. As a physician assistant providing care in emergency and primary medicine, I have noticed that patients and providers are not educated on appropriate use of the emergency department. This has led to emergency medicine provider frustration, ER over-crowding, decreased patient satisfaction scores, increased exposure to nosocomial infections, and a tremendous financial burden on the community, governmental, and private insurances.

# Still

magazine



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**Print or online, *Still Magazine* is where you are, bringing you the news you want to read. And don't forget to find us on Facebook to get a behind-the-scenes look at the making of our award winning magazine.**



## Photo caption contest

Playful razzing or tough love? Write a caption and email it to [stillmagazine@atsu.edu](mailto:stillmagazine@atsu.edu) by July 31. Winning entries will be featured in an upcoming issue and online at [stillmagazine.atyu.edu](http://stillmagazine.atyu.edu). Even better, the grand prize winner and a guest will be treated to dinner with Drs. Magruder and Phelps!

## Tweet sheet

*Mouths and matriarchs, in 140 characters or less ...  
Sans the Twitter account*

### MOSDOH

Today, a pile of sand. Tomorrow, saving the world – one mouth at a time.

### Mother's Day

Skip the mama drama and strengthen maternal bonds with chocolate, flowers, hugs, kisses, a phone call ... Did we mention chocolate?



## There's an app for that

Pining for the new ATSU Mobile app? Be still, my heart! Visit the app store related to your mobile device (iOS, Android, and Blackberry) and search for ATSU. Palm-of-your-hand features include news, maps, directories, events, videos, and more.



## Overheard

"Don't let a potential **biological weapon** keep you from visiting us in the orange groves!"

– SOMA OMS II student assures classmates that an infectious bacteria is nothing to worry about

"Bathtubs are my thing because they always get hair and soap in there."



– ATSU Facilities staff debriefs on the issue of clogged drains

"They're **green** and they're **hideous**, but they're **free.**"

– Communication & Marketing staff doesn't care what it is, as long as the price is right



*This jersey, worn by American School of Osteopathy (ASO) baseball team members, is made of 100 percent cotton and proudly adorned with the team name "osteopaths." The ball and glove were owned by G.C. Flick, DO, 1911.*

*The black and white postcard shows Dr. A.T. Still with the ASO baseball team. The image was taken in January 1910 with members of the class of 1913. Although sports played an important role in student life at the School, images of Dr. Still with the teams are rare.*

ASO Baseball Jersey; Leacock Sporting Goods, St. Louis  
Donor: Dr. Walter Scott III, [2066.74.01]

Baseball Glove, ca. 1910, owned by Dr. G.C. Flick (ASO 1911)  
Donor: Gerry M. Flick, D.O., '60, [1995.10.02]

Leather Baseball, ca. 1910, owned by Dr. G.C. Flick (ASO 1911)  
Donor: Gerry M. Flick, D.O., '60, [1995.10.01]



# Features

## Exercise drill

### *Flexible duo strikes pose*

As part of February's Arizona campus Wellness Week events, SOMA faculty and staff Rebecca Chow, MA, curriculum coordinator (standing), and Ashley Humphrey, BA, administrative assistant, stretch in the Dhanurasana (Bow Pose) pose during yoga on the North Lawn.



# Uncrossing the lines of communication

## IPE helps straighten the kinks

By Lee Cashatt

### **Teamwork, communication, and respect – oh my!**

Interprofessional education is everywhere at ATSU. Although it is not a new concept in health professions education, it seems IPE's wildfire growth is catching momentum in programs across the University.

As *Still Magazine* sought to find out what ATSU is doing, in its usual pioneering style, to lead the way in IPE, we asked: What does it look like and how does it work? Who is involved? How is it transforming the way our students learn? How does it affect the way in which our social mission is lived out every day? How does it affect outcomes for patients?

### **Trouble on the horizon**

To say that the healthcare system in the United States is troubled is putting it lightly. The quality of care isn't up to par, costs are through the roof, and access is severely limited. Chances are you might even know someone who has suffered as a result of a medical error, misdiagnosis, or an improper prescription. Research indicates that between 50-80 percent of errors in patient care can be traced back to poor communication among healthcare providers. That spells trouble for our students, who are entering a variety of health professions each year, and for patients, who rely on our graduates' ability to deliver quality care.

### **The case for IPE**

According to the Institute of Medicine, interprofessional education occurs when two or more professions learn with, from, and about each other to improve collaboration and the quality of care.

The principle is simple: Healthcare practitioners in the field must work together as patient needs grow in complexity, so why not learn how to work together from the get-go? Through IPE immersion, students ideally will develop the ability to share knowledge and skills collaboratively.

The results: Understanding, cooperation, and teamwork increase across healthcare disciplines. Communication increases and relationships are strengthened. Students learn more because they are engaged. A world of collaborative research possibilities opens. And, the benefits don't just end with student learning. Healthcare delivery becomes increasingly patient-centered, which is the ultimate goal.

ATSU is working toward this goal in many ways. Our founding osteopathic philosophy and long-standing social mission parallel the IPE movement. It's clear that interprofessional teams will be increasingly common in healthcare delivery and that ATSU graduates will be expected to work as part of interprofessional teams that provide coordinated, whole person healthcare.

The University's recently refined mission statement addresses its stance on IPE and positions ATSU as truly learning-centered. As a core institutional focus, these learning opportunities are fostered at each of our schools and college.

IPE is interwoven in our new strategic plan, holding the University accountable for making it a reality across all its programs. According to the plan, all full-time faculty and students are targeted for participation in IPE and team-based, patient-centered experiences beginning in the 2014 academic year. However, many of these experiences exist today.

**Here, five large- and small-scale projects are examined – each built upon the foundation of IPE. Project results amply demonstrate that IPE is vital to student learning, intrinsic to ATSU's mission, and yields positive results in terms of patients' healthcare outcomes.**

## Posture Police

When dental students at ASDOH see red Posture Police T-shirts enter the simulation lab, backs suddenly straighten and arm positions shift. It's just a friendly reminder of the ergonomic lessons learned from physical therapy students at ASHS.

When the dental program approached PT about collaborating three years ago, the statistics were bleak.

"Within the profession of dentistry, there is an amazing incidence of people who have disability claims throughout their career and a lot of times it ends their career," says Cheri Hodges, PT, DPT, assistant professor, physical therapy.

The Posture Police program is a proactive approach in mitigating the potential hazards for dentists caused by poor ergonomics. And, it's an engaging way to bring professions together. PT students and faculty first present an active lecture on the incidence of debilitating injuries common in the dental profession. They then demonstrate the proper ergonomic approach for the back and upper extremities and walk dental students through posture and strengthening exercises.

As a follow-up, PT students make surprise visits once a week for three months to the dental lab to help ergonomically adjust



chairs, demonstrate how to lean over the sim mannequins, and adjust equipment and lighting based on personal needs. The dental students have been so receptive to the program that they often ask questions about pain, general fitness, and injury prevention of their PT counterparts.

"I think the manner in which we have helped the dental students will not only have an impact on their life but will help me as a physical therapist to better educate future patients who are dentists," says one PT student in a follow-up evaluation.

It's clear that the interdisciplinary nature of this project has postured the relationship between ATSU's dental and PT crowds.



## Human Anatomy: knee injury case problems

It seemed obvious to Human Anatomy Director Sue Hillman, MS, MA, ATC, that her students needed more opportunities to work together outside of their regular professional sub-sets. Having taught first-year physical therapy, occupational therapy, and athletic training students for years at ASHS, she found that some professions struggled with the curriculum and some felt disrespected by the other professions. In January, these students were introduced to their first IP project. Interdisciplinary teams were created and assigned a knee injury case problem with varying layers of complication, allowing each profession the

opportunity to take a lead role in diagnosis and treatment.

According to Hillman, the project was a success. Approximately 80 percent of students reported that they enjoyed working and learning from students in other programs. Students said the session was fun and that they felt respected. And, comprehension was off the charts. While working in teams, students were asked to identify anatomical structures on a cross section, which, according to Hillman, has been difficult for students in the past. Nine of the 11 groups scored 100 percent.

"This additional project brought some of the previously disengaged students back into the group," says Hillman.

Hillman's students are now knee-deep in IPE opportunities.

- Takeaways**
- 1 The healthcare system is broken. Health professions education wants to help fix it.
  - 2 IPE is a viable solution to critical healthcare miscommunications.
  - 3 ATSU puts IPE front and center, preparing a collaborative health professions workforce for future success.



## Heart Failure Project

For many patients, a diagnosis of congestive heart failure means a hospital readmission is likely. Interdisciplinary student teams in the Heart Failure Project are hoping to change that.

Collaboration among the ATSU Aging Studies Project, Banner Heart Hospital, East Valley Adult Resources, and the Greater Valley Area Health Education Center has given rise to the grant-funded program, launched in fall 2011. Students actively work in interdisciplinary teams to educate patients with a primary diagnosis of congestive heart failure on proper dietary and nutritional guidelines. The goals are to help patients become better informed and better able to self-manage their condition. This can result in improved quality of life and reduce re-hospitalizations. And, students receive a healthy dose of IPE, learning about team-based care and the challenges that face older adults with chronic conditions.

"We could not recreate these experiences in the classroom," says Elton Bordenave, MEd, CHC, director, Aging Studies Project, Arizona campus. Bordenave oversees this project and is responsible for developing interdisciplinary programming emphasizing geriatric health-care.

"There are only a handful of projects like this around the country, and our students are getting to play an active role in perhaps the most aggressive of these experiments," he says.

By visiting patient homes once a week for four weeks, students are exposed to economic, physical, and social situations that they wouldn't have access to otherwise. Plus, they are working with peers from other disciplines, hopefully soaking up fresh perspectives and new skills.

ATSU students from four disciplines are participating – osteopathic medicine, dentistry, physician assistant, and occupational therapy. As part of an Arizona state-wide initiative to decrease the number of hospital readmissions for specific health issues, even more partners are being invited to participate. Grand Canyon University nursing students are already participating and, in the coming year, pharmacy students from Midwestern University will join the team.

It's unclear whether patient outcomes are directly impacted by the interdisciplinary nature of the teams delivering the program; nonetheless, the project has won the hearts of students who are transcending disciplinary boundaries. Program data are limited, but results are promising. Data on the initial 25 congestive heart failure patients show that none of the participants were readmitted to the hospital within 30 days of discharge. The national 30-day average is a 25 percent readmit rate.



## Still Standing Fall Prevention Outreach

According to the Centers for Disease Control and Prevention, a third of adults over age 65 fall each year, causing moderate to severe injuries. Since 2008, ATSU has made significant contributions to Arizona's response to the fall issue through the Still Standing Fall Prevention Outreach.

Physical therapy, occupational therapy, audiology, athletic training, and physician assistant students are trained in A Matter of Balance fall prevention curriculum (licensed by MaineHealth's Partnership for Healthy Aging, Portland, Maine) and are assigned to one of 23 senior and community centers around Maricopa County where they deliver the program over an eight-week period. Students are paired in interdisciplinary teams and deliver the curriculum to groups of 10-15 older adults.

Students have fallen for this IP opportunity. To date, 140 coaches have been trained and nearly 1,000 seniors have benefited. The program, which now runs nine months out of the year, meaningfully connects students from many disciplines with populations they wouldn't be exposed to normally.

MaineHealth reports many positive outcomes for elderly participants. Evaluations indicate increased physical strength, improved confidence in their ability to manage a fall, and increased ability to perform everyday tasks.

"More than once I have received calls from [elders] who have told me that the fall prevention classes helped them overcome their fear of falling and allowed them to go out and do basic activities like grocery shopping," says Bordenave, who also oversees this outreach.



## Core competencies

- 1 Values/ethics for interprofessional practice
- 2 Roles/responsibilities for collaborative practice
- 3 Interprofessional communication
- 4 Interprofessional teamwork and team-based care

*Developed by the Interprofessional Education Collaborative*

## House Calls

"Working as a tech in a hospital I saw firsthand how important every member of the team is to a patient's overall care. I also saw very poor examples of teamwork. I watched physicians act disrespectfully toward members of the healthcare team. As I began medical school, I was thankful for these examples, both good and bad," says second-year KCOM student Hillarey Stone. "I truly understand the importance of even the most minor players on the team, and I hope to always respect their opinions and value their important contributions to patient care."

Students at KCOM (osteopathic medicine) and Truman State University (nursing, health sciences, and communication disorders) are connecting the IP dots, teaming up for House Calls, an in-home patient program that focuses on health promotion and disease prevention in senior and vulnerable populations.

Sponsored by the Department of Family Medicine, Preventive Medicine and Community Health, House Calls is part of the Complete DOctor course. Curriculum includes patient medical and social histories, basic physical exams, and patient education. Students, who have the option of joining an IP or DO-only team, make four hour-long visits to volunteer patients over a 12- to 14-month period and meet with faculty after each visit to discuss patient findings. IP student groups also discuss team dynamics.

"It goes beyond the nuts and bolts of a medical visit in order for students to see that their patient is more than their illness," says KCOM Dean Margaret Wilson, DO, '82, "There are so many other issues that impact that patient's ability to stay healthy and get good healthcare."

Both students and patients are benefiting. Students develop meaningful relationships with real patients in real settings. They

interact with interprofessional peers while learning to administer a range of functional patient assessments.

This unique avenue for receiving healthcare allows patients to share wisdom and healthcare observations. And, they gain friends and important social contacts while taking advantage of community resources.

Student interest in being a part of IP teams continues to increase. When it launched in 2002-03, seven teams participated in House Calls. In 2010-11, 50 teams participated.

"I think that the interprofessional opportunity to explore how to work with each other is a great experience and evolves as they continue to work within that team," says Janet Head, EdD, director, Aging Studies Project, Missouri campus, and AHEC program co-director. AHEC contracts with Family Medicine to coordinate patient volunteers for the program.

Dr. Head knows a thing or two about IPE. Having been a nurse, she too has personally experienced the benefits of IP communication. Not to mention, her passion for the subject led her to do her 2007 dissertation on IPE, with House Calls as her research base.

Her data on attitude measurement showed that DO students who participated in IP teams had a better sense of the efficiency of teams; had a greater appreciation of the value of teamwork; felt that shared leadership was hard for them, but still showed an appreciation for it; and rated their teamwork skills as improved and stronger.

"Students seem to struggle with who will lead the teams and how the work will get done," Dr. Head says. "But, one of the important aspects of teamwork is conflict resolution – they learn how to settle disputes with the best possible outcome for the patient."

Patients seem especially pleased with the program, the interactions with local students, and the distinctive approach each profession brings to the conversations at their kitchen tables.

"I've met a lot of nice kids through the program. We get to know the students like family," says Tessa Ross, a local resident who has been a part of House Calls for a year.

"The interdisciplinary teams get a chance to see how different disciplines do things differently. It's good for our students, as developing physicians, to see how it takes a team to be successful in the delivery of healthcare," adds Dr. Wilson. "The bottom line is that the patient is the center of healthcare, and everyone else works together to best satisfy the needs of the patient. Recognition of everyone's roles and contributions is a starting point."





## Tying it all together

Douglas L. Wood, DO, PhD, senior vice president – academic affairs, is currently at the helm of implementing ATSU’s IPE and learning-centered initiatives (along with co-chairs David Wayne, PhD, special assistant to SVP-AA, and John George, PhD, associate dean, educational development & services). According to Dr. Wood, the initiative is visionary.

“It truly is the medical practice of the future in this country,” he says. “Healthcare will be enhanced and there is likely to be a lowering of costs to patients.”

**Programs such as Posture Police, the Human Anatomy project, Congestive Heart Failure Project, Still Standing, and House Calls demonstrate that interprofessional education can positively impact those involved. Patients and students benefit, and the creative ways for putting it to use and applying it in a clinical setting are seemingly endless. These programs set the stage for successful interdisciplinary teamwork in the future.**

Similarly, the outcomes of other grassroots IPE efforts at ATSU have yielded positive results. When a handful of professors from audiology, physical therapy, and physician assistant studies decided to lead sessions where students could talk about their roles in treating a patient, they found that all the students reported obtaining new knowledge. Between 93-97 percent of students, depending on the discipline, reported that this new knowledge would be useful in clinical practice.

One student reported, “There is more collaboration between our professions than I previously thought. There are many things we can learn from each other that will make our patient interactions more effective.”

And then there are the happy endings no one could predict. Consider third-year dental student Bao Huynh’s quick thinking and interdisciplinary training that led to a healthy outcome for one patient. While receiving dental treatment at the ASDOH On-site Mesa Clinic, the patient received what turned out to be life-saving information. Huynh noticed a small mole on the patient’s face and advised her to have it checked. At Huynh’s suggestion, the patient followed up with her doctor, discovering that the mole was melanoma skin cancer. Thankfully it was in its early stages.

“Thank you for teaching your students to watch for health issues other than teeth. I am very thankful that I went to ATSU and was assigned to Bao Huynh,” the patient later wrote. “It was certainly a life-saving experience. I will forever be grateful.”



While ATSU is making strides in creating a truly learning-centered environment for students by weaving an interdisciplinary component into many of its programs, it comes as no surprise that the upshot cannot happen overnight.

"This is not an easy venture," says Dr. Wood, who described the many barriers ahead.

First in impeding the way is a non-existent universitized school calendar and corresponding student schedules. Each school and program operating on a different calendar makes it nearly impossible to get faculty and students in the same place at the same time. (According to Dr. Wood, ATSU will bring that piece substantially into play in the fall of 2013.) Then there are the more deep-seated issues such as disciplinary silos, resistant attitudes, and lack of training for faculty on how to integrate IP opportunities into curriculum.

# The hardest part is getting started

**Despite the challenges in making IPE a reality, ATSU is forging ahead. Our students, who are already demanding more opportunities for interprofessional education, will continue to uncross the lines of communication as they grow and develop into passionate educators and practitioners. We expect our efforts will make a profound impact for patients and the way in which healthcare professionals respect and communicate with one another.**

# Founder's Day the Arizona way

## 4 event tidbits

By Ashley Whalen

## 1 The stats

This was the 16th year that the Arizona campus celebrated Founder's Day. More than 100 faculty, staff, students, and their families attended Dec. 9 at the Red Mountain Community Center in Mesa, Ariz.



Look at Frosty go!  
This year's Founder's Day event coincided with the holidays.

## 2 The food

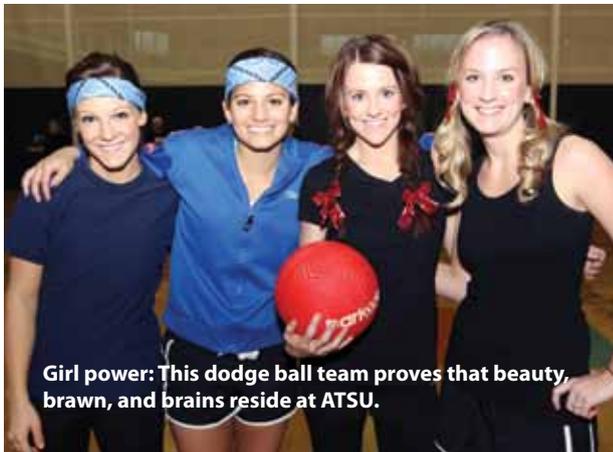
An array of Mexican food, along with holiday cookies and root beer floats, kept the crowd happy.

## 3 The fun

Children enjoyed board games and dancing to holiday tunes, while students and staff participated in the annual dodge ball tournament.

The intense competition consisted of 11 teams. The physical therapy student team took home gold, followed by the osteopathic medical student team for silver, and the all-girls doctor of physical therapy team received bronze.

"Dodge ball is an amazing stress buster and comes at a great time for the students as they wrap up the first half of the academic year," said Beth Poppre, assistant vice president for student affairs.



Girl power: This dodge ball team proves that beauty, brawn, and brains reside at ATSU.



A family affair: Andrew Walker, PA, '13, and his family joined the festivities.

## 4 The charity

Cash and other donations for admission were requested in support of Sunshine Acres Children's Home ([sunshineacres.org](http://sunshineacres.org)), PACC911 ([pacc911.org](http://pacc911.org)), and the Boot Campaign ([bootcampaign.com](http://bootcampaign.com)). Approximately \$10 was raised, as well as two boxes of canned goods and a box of recyclable ink cartridges.



Three amigos: There was no shortage of fun for these kiddos.



On the ball: Scott Campbell, PT, '13, doesn't sweat the competition as he dips, ducks, dives, and dodges.

# Chaos in the streets

By Eden Derby

KCOM and the State Emergency Management Agency held their first-ever Disaster Awareness Response Training in March.

This is the first time a medical school has teamed with the state to prepare students, emergency responders, and healthcare professionals for a mass casualty disaster simulation.

More than a dozen partner agencies in Northeast Missouri played a role in the simulation, which was part of an Advanced Disaster Life Support (ADLS) course coordinated by the National Disaster Life Support Foundation (NDLSF) under the American Medical Association. KCOM is one of three official NDLSF regional training centers in the state of Missouri.

## By the numbers

**180**  
simulation victims

**50** ADLS  
instructors

**7** EMTs

**120**  
ADLS students

**3** helicopter  
fly-ins

**10**  
firefighters

**2** fire trucks

**2** ambulances



**1.** Firefighters extricate a school bus as part of a scenario with the State Emergency Management Agency. **2.** School bus accident victims are triaged by students in the ADLS course. **3.** The Air Evac Life Team flies in to remove patients from the disaster zone. **4.** In an active shooter/bombing scenario, students assess patients using flashlights in the dark while deafening sirens sound. **5.** Simulation makeup is crafted by moulage artists – professional Hollywood makeup artists who create blood/gore looks.

# Back to the basics

## Learning BLS saves lives

By Eden Derby



A first-year medical student at KCOM truly learned a life lesson his first week in town, just two days after taking oath at the White Coat Ceremony.

"The only thing that matters is if you know what it takes to save that person's life," said Dan Johnson, OMS I, who used CPR on a stranger experiencing a cardiac event in the Wal-Mart parking lot. Johnson had completed the Basic Life Support course just four days before the incident.

"When the situation presents itself, there are no skills more important than the ones taught in the BLS course. At that moment, your grades don't matter and your class rank doesn't matter either."

This is the first year that students took the BLS class in the fall rather than in the spring. According to BLS instructor and heart advocate Dan Martin, 40 percent of students have never had CPR training before entering medical school. Most just assume medical students will know the skills, which can truly be the difference between life and death.

ATSU employee Sarah Spencer gave breaths to the man in the Wal-Mart parking lot while Johnson administered chest compressions. Spencer, who has a background in nursing, says she learned CPR as a child in swimming lessons and took a refresher course as an adult after watching a stranger give her dad CPR as he was having a heart attack. Spencer's father survived.

"You never know when or where it is going to happen, or

who is going to need it," Spencer said. "Out of the entire parking lot, it appeared that Dan and I were the only individuals who knew anything about CPR."

Students also learn to incorporate the automated external defibrillator in the BLS course. There are six AEDs on ATSU's Missouri campus and eight on the Arizona campus. Heart health is

**40%**  
of students  
**have never had  
CPR training.**

... Most just assume medical students will know the skills, which can truly be the difference between life and death.

a hot topic in Northeast Missouri, and approximately 50 AEDs have been placed at businesses and other locations in the area. At Kirksville's 2011 Gents and Joules gala, nearly \$50,000 was raised to purchase more AEDs and provide training for the devices.

"I didn't have time to think about it when the time came," Johnson said. "That's why it's important to expose future doctors to basic life support as soon as possible. It takes a little while for it to really sink in."

Then & now  
Game on  
Saving lives  
Secret service to dentist  
Medical practice  
Straight to the top



# Inspiration

**A momentous occasion**  
*ASHS holds spring commencement*

ATSU's Arizona School of Health Sciences held its annual spring commencement March 3. Students earned Master of Science or doctoral degrees in human movement, occupational therapy, physician assistant studies, audiology, health sciences, and physical therapy.

Estela S. Estapé, PhD, dean, School of Health Professions, University of Puerto Rico, San Juan, delivered the keynote, offering graduates four tips for success.

"The University has given you a starting point for your journey, now it's your opportunity to decide the pathways to reach your goals," said Dr. Estapé. "A degree may seem like a goal, but it is really just a transition point on the way to achieving the real goal of making a life contribution."

**Pictured in the foreground is human movement graduate Ruston Webb, MS, '12.**

# Then & now

## What a difference 75 years makes!

By Lee Cashatt

Oh, how times have changed! Seventy-five years ago Doran A. Farnum, DO, '36, was a 23-year-old graduate of KCOM. Today, ATSU's oldest alum – at 99 years old – is talking shop with second-year students Ben Cook and Lindsay Lucado.

**Still Magazine (SM):** Tell me about the atmosphere of the classes of 2014 and 1936.

**Ben Cook (BC):** Our class is very laid back. We embody the “work hard, play hard” mantra. We are unique and are going to leave our mark on the world.

**Doran Farnum (DF):** There were those that belonged to a fraternity and those that didn't. I belonged to Theta Psi, a medical fraternity, and it was the only one that had a fraternity house. We had our own building with three floors.

We were close. We came from every state in the Union, Canada, and one from England. I roomed with three people, and we were always together.

My father belonged to the same fraternity.

**Lindsay Lucado (LL):** Everyone is willing to share resources. We study hard, and our averages prove it. It isn't competitive, though. People encourage each other and don't brag about their performances. We think outside the box and create new traditions.

**DF:** We had about 135 students – 20 were women. One was a mother/daughter duo in my class. We had one man who was 55 who had a doctorate in something else but had taken up osteopathy. Only one man was married. Period. And he didn't have any kids.

**SM: Why did you choose osteopathic medicine?**

**LL:** I learned about it in college but later found out that I was delivered by a DO. He was a family friend, and with his encouragement I pursued osteopathic medicine. It seemed like the best choice.

**DF:** My father was a DO, and I learned from him. I never had an MD touch me until I was 52 years old and needed to get vaccinated to go to Australia.

**BC:** My dad was also a DO, and when I was young I would go to his office and watch him. I always knew I wanted to be a doctor and be like my dad. What really drew me, though, was my family doctor. I thought he was one of the most interesting people in the world. I shadowed him and many other DOs when I first started. When I shadowed an MD in college, it was interesting to see the difference in bedside manner and how they treated patients.

**SM: What's your favorite class?**

**DF:** Anatomy. I took four years of it. The first year was gross anatomy and the next year was dissection. Then came surgical anatomy, and I forget what the fourth year was. They tested you by cutting a forearm open and showing it to you and asking you to identify the tissues.

**BC:** That makes our practicals look like nothing!

**LL:** My favorite is anatomy, too. It is a never-ending journey. Every time I open an anatomy text I learn something new or see a relationship in a different way.

**BC:** I like all of them, but if I had to pick, it would be histology and infectious diseases. Dr. Kondrashov and the microbiology department are so excited about the information that they teach it is infectious. You can't help but enjoy what is being taught, strive to do well, and participate in class. Plus, the professors want you to do well and you can really tell. It reinforces that I made the right choice in coming here. I would gladly take these classes again.

**SM: The world of medical education has changed dramatically in the last 75 years. What were the rules in 1936 vs. today?**

**DF:** My fourth year I interned at a hospital. You weren't supposed to, but we did. I was out of school in four years and did my internship. It was nice!

I graduated at 23 years old. You didn't have to have an undergrad degree to enter medical school at the time, not until the late '30s. Grammar school was for only nine years.

**BC:** We are encouraged to be as involved as we can in national organizations to start networking and to push the field of medicine forward. With a decreased number of residency spots and the scramble to find what you like, there is a big push for students to make these connections early.

There is also an expectation for students to push osteopathic medicine to new heights and areas of the world. That is why I have become so involved – not only fill those expectations, but to continue the work of past generations.

**DF:** We had no final exams. We took Missouri Boards at the end of our second year and the second half of the Boards at the end of our fourth year.

When I started there were no medicines – just a couple for pain. I wrote my first prescription in Latin. I saw the pharmacist four days later and he said, “You don't really have to write it in Latin. I had to look that up, you know!”

**LL:** Pharmacology would have been so much easier back then! I see why so many physicians, including DOs, have turned to relying on drugs. Back then you didn't have very many drugs to prescribe, so using your hands was a much better option. Now there are so many drugs to choose from that physicians tend to think of those rather than using their hands. The problem lies in that often pharmacology involves only treating symptoms instead of the actual problem.

**SM: What was the best thing about Kirksville in 1936? Today?**

**DF:** Owl drugstore for sodas downtown.

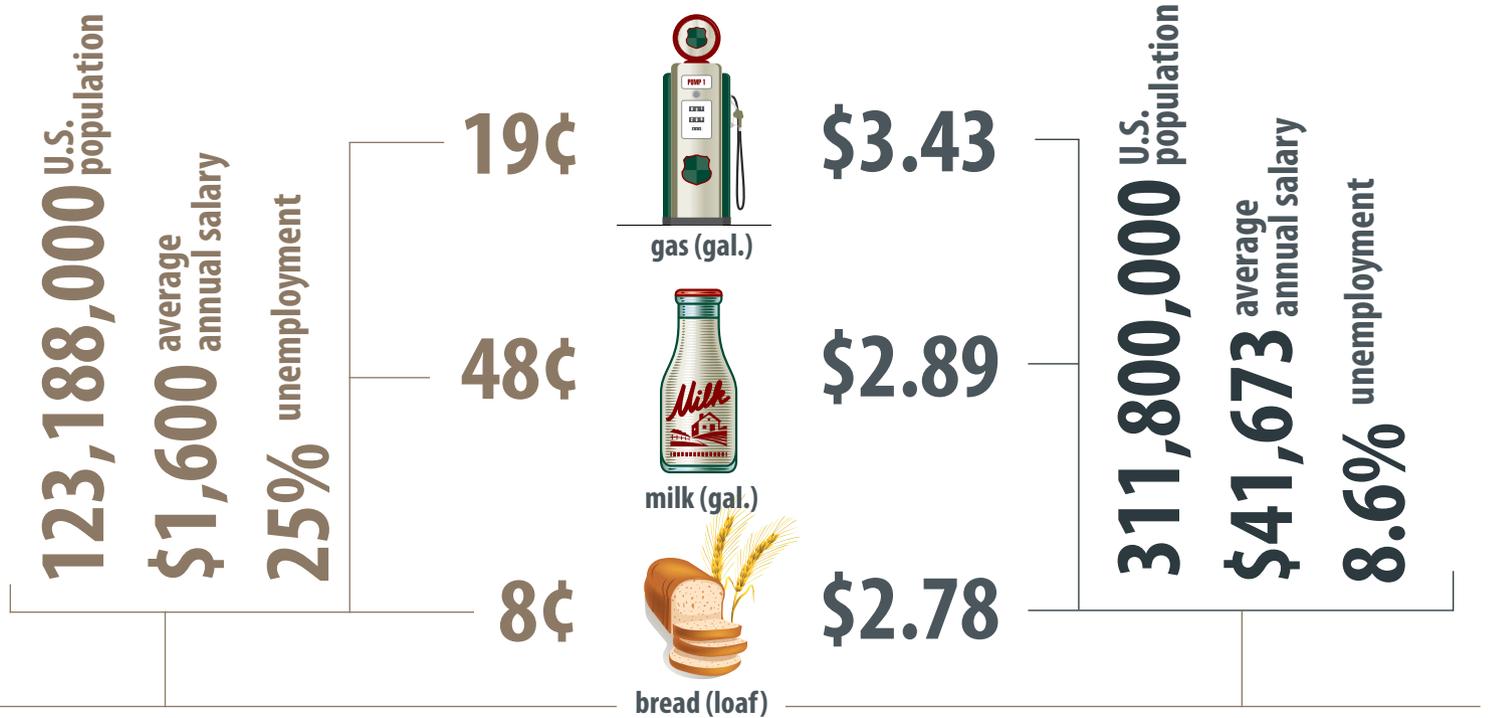
**BC:** The low cost of living! And there is so much to do outdoors. I like that it is small town and that everyone says “hi” to each other. You couldn't ask for a better place to live.



**Doran A. Farnum, DO, '36**, San Juan Capistrano, Calif., has practiced osteopathic manipulative medicine for more than 75 years – and still practices today at age 99. Having graduated medical school during the Great Depression, Dr. Farnum says you've never seen a place with so little money. "There were many times that if I had one patient a day I would be happy. And even happier if they paid. I was just glad to treat." Dr. Farnum didn't make \$1,000 a year for the first three years that he was out of college. After 5 years he made \$2,300 a year.

**Ben Cook, OMS II**, student ambassador, Rolla, Mo., says he is still trying to decide his career plans. "Although I have marked certain areas of medicine off my list of possibilities, I am going to keep my options open until I have to make a choice," Cook says. "Hopefully with more shadowing I will find something that chooses me."

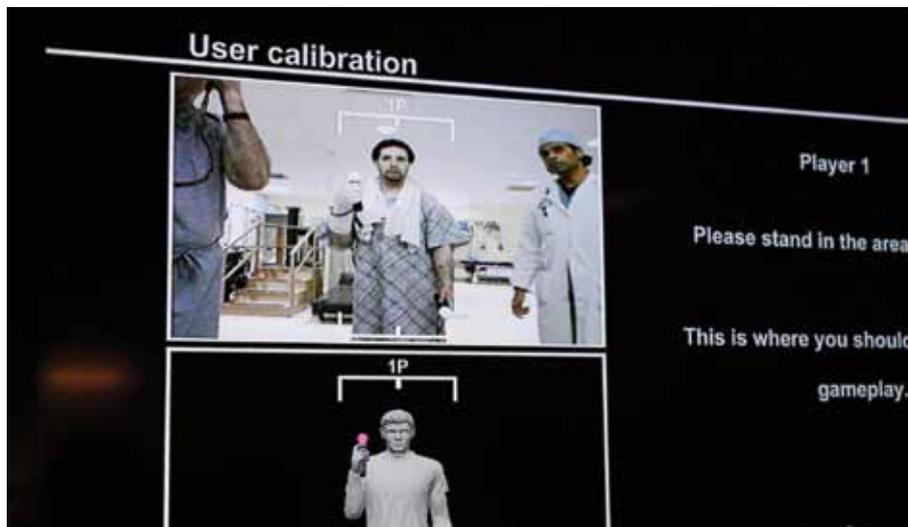
**Lindsay Lucado, OMS III**, student ambassador, OMM fellow, Wesley Chapel, Fla., plans to go into women's health. "I am thinking of doing a family medicine residency with a focus in women's health. I would like to be able to see a patient all the way from conception to delivery to pediatrics," says Lucado. "That continuity of care is especially important in the relationship between a woman and her delivering physician."



**1936** {75 years} **2012**

# Game On

By Eden Derby



Sam K. Yohannan, DPT, '12, PT, MS, puts his heart and soul into the game. Video games, that is. Dr. Yohannan has spent years making a difference in the lives of burn survivors through his research in video game therapy. His latest study demonstrates the outcomes on pain, anxiety, active range of motion, function, and enjoyment with the use of the Nintendo Wii during acute burn rehabilitation.

Dr. Yohannan is the senior physical therapy specialist and burn research coordinator at New York-Presbyterian/Weill Cornell Medical Center in New York City. Born and raised in New York, he has traveled around the country practicing rehabilitation in a variety of settings. He also has presented research forums both nationally and internationally and taught physical therapy overseas as a member of the International Outreach Committee of the American Burn Association.

He took a specific interest in treating burn survivors during his burn service rotation around the time of the 9/11 attacks on the World Trade Center. That's when Dr. Yohannan fell in love with the patient population and found that working with burn patients was the most satisfying.

"To see patients walk around the burn unit after being in bed for so long, to see them get better and return to their function, families, and communities," he says, "is the most rewarding."

For instance, one burn survivor, a former soccer player,

became deeply depressed by his injury. Through gaming, Dr. Yohannan was able to get him back on a virtual soccer field.

Just months before earning his doctorate in physical therapy from ASHS, Dr. Yohannan's research, "The Utilization of Nintendo Wii on Burn Rehabilitation: A Pilot Study," was published in the *Journal of Burn Care and Research*. The article received the 2011 American Burn Association's Clinical Research Award.

With his DPT in hand, Dr. Yohannan hopes to continue to study the effects of gaming therapy on engaging and motivating patients. His favorite part of working as a researcher, he says, is seeing clinicians reference and apply research evidence to improve patient care.

"Gaming allows patients to temporarily escape from the hospital or their physical condition and gives them a way to interact with other patients," Dr. Yohannan says. "Not only do video games facilitate active movement, but it also puts smiles on faces."

# Saving lives: Pass it on

By Eden Derby



Dr. DiDonna is director of education and staff development, clinical resource for critical care, emergency care, general and pediatric care at Mason General Hospital in Shelton, Wash.

Tom A. DiDonna, DHSc, '10, MSN, RN, spends his vacations making a global impact. His volunteer work is anything but small scale and embraces his lifelong passion for global health. The ASHS alum and adjunct faculty (doctor of health sciences) is a leader in the reduction of unnecessary newborn deaths worldwide.

Last year, Dr. DiDonna embarked on an international medical volunteer mission to the Republic of Namibia and South Africa to prevent the loss of fragile new life. He was one of the first master trainers in the Helping Babies Breathe program, which trains women who deliver babies in resource-poor countries how to resuscitate newborns.

"We teach them early recognition and how to use a bag and mask to ventilate the baby within a minute of the episode," says Dr. DiDonna. "Then we teach them to teach the techniques to their sisters."

For the last 10 years, Dr. DiDonna has been a volunteer for Operation Smile, which provides life-saving corrective surgery to kids with severe clefts. Operation Smile and the Helping Babies Breathe program, offered by the American Academy of Pediatrics, are now taught in tandem to create life-saving sustainability all over the world.

But his contagious quest for life-saving doesn't stop there.

Dr. DiDonna, a newborn resuscitation certified instructor, was invited aboard the U.S. Navy Ship Comfort to help prepare naval healthcare professionals and volunteers from around the world for a nine-country goodwill tour. He trained 82 doctors and nurses who went on to train 800 birth attendants and midwives how to prevent newborn asphyxia deaths. Dr. DiDonna

accompanied the ship to Jamaica for the first part of the tour and continued to "train the trainers." The tour was one of the largest infant and child humanitarian missions ever conducted.

Traveling to four countries a year, Dr. DiDonna has made a significant impact on saving lives and says the long-term relationships he forms are tremendously rewarding.

**To volunteer for global humanitarian missions with Dr. DiDonna through Operation Smile or the Helping Babies Breathe program, contact him at [tdidonna@atsu.edu](mailto:tdidonna@atsu.edu).**

"The people I come into contact with contribute to my knowledge, so I always come home with something new that I've learned," he says.

He is now taking the Helping Babies Breathe initiative to Rwanda. Each trip, he says, brings valuable experience that he can apply to his own practice.

"I don't ever see myself stopping," he says.

# All the right moves

By Katie Thudium



Picture a gym that is no ordinary gym. Colorful kettlebells, medicine balls, and other fitness tools are strategically placed on green artificial turf. Stimulating music streams throughout the space. It is packed with energy and intensity, yet not crowded with machines. For Eric Hughes, MS, '12, this is his idea of the perfect gym.

Hughes, who has been involved in fitness for many years, was working as a personal trainer at a chain gym when he realized the need for a different type of fitness in his community.

"I saw the need for a movement-based, not machine-based, type of fitness that focused on getting people moving and keeping them active," says Hughes.

He soon quit the chain gym and began the process of opening his own studio. A year and a half later, in July 2010, he opened Omega Performance Training, a 5,500-square-foot gym in Plano, Texas.

Omega, winner of WFAA A-List's 2010 Best Gym award, houses multiple programs including CrossFit and CrossFit Kids, boot camp, functional weight training, TRX suspension training, group and private personal training, and more.

"The studio is built around movement," Hughes says. "We offer a variety of programs; people can choose what fits their personality and goals."

Hughes, who is himself a CrossFit athlete, has a passion for helping people become fit and keeping them injury free.

"Everything we do is based on best practices and evidence-based research," says Hughes. "The education I received at ATSU reinforced my passion and beliefs about health and fitness."

As owner and head trainer at Omega, each week he leads 25-30 classes or group sessions, coaches 20-30 hours of personal training, and teaches kids' groups and elderly clients. He ensures that all classes have a trainer and are scalable to fit anyone, regardless of age or fitness level. Participants in one of his classes range in age from 18-70.

As for the results: He has witnessed too many success stories to count.

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**CrossFit, one of Omega's most popular programs, incorporates constantly varied, functional movements executed with maximum intensity. It is designed to improve overall fitness, particularly everyday movements.**

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"We have seen some major weight loss successes, but most of our successes are about the little, life-changing things," says Hughes. "It's exciting to see people rise to the level of fitness they never thought they could achieve."

It's clear that whether he is fulfilling a need in his community, starting a successful business, or physically pushing himself to the limit, Hughes is truly making all the right moves.



Left: Hughes (in red) pushes his weight in a group training session.

Right: Hughes hangs out in the background as a CrossFit athlete muscles the heavy ropes.

# From secret service to dentist

By Jo Gambosi



Guerrero and husband Bobby have three children, Sierra and Zachary, both age 12 (pictured), and Nick, age 20, who attends Scottsdale Community College.

At 42, age isn't the only thing non-traditional about Cat Guerrero, a fourth-year dental student at ASDOH. Named by her father after the 1965 movie, "Cat Ballou," Guerrero decided on dentistry after having two other successful occupations.

Guerrero's career began in administration with the United States Secret Service where she worked more than five years. She completed background checks, worked in the counterfeiting division, and was also responsible for special details with foreign dignitaries. She even worked a detail for President George H.W. Bush.

It was while working with the Secret Service that the idea of becoming a dentist first occurred to her.

"I was discussing my career with an agent that I knew," says Guerrero. "At the time, I was taking classes at the Maryland Institute of Art, thinking that I could one day work for Disney doing animation. When the agent said his wife was a dentist, I was impressed. It was the 80s, and women's career opportunities were limited – mostly clerical jobs or grocery shop clerks."

After moving to Arizona in 1992, Guerrero found a second career at a large computer distributing company

where she configured network systems. But she soon decided that the corporate world was wearing thin.

"I wanted to spend more quality time with my family and be more involved with them," she says. "I was tired of 60-hour work weeks."

The thought of becoming a dentist still echoed in her mind. At age 32, Guerrero volunteered at the Central Arizona Shelter Services (CASS) Dental Clinic in Phoenix where she met students from ASDOH.

"I wanted to see if dentistry was truly the professional career for me," says Guerrero. "The dental director at CASS and the ASDOH students left an impression on me. They were compassionate with patients and talked with me about dental school – what to expect and how to study, and they talked about the great faculty involvement with students. I knew that ASDOH was for me."

Guerrero is convinced that dentists can transform lives and hopes to continue to serve the underserved in her professional career. She has applied for a pediatric residency in Tucson, Ariz., and also hopes to one day become an adjunct faculty member at ASDOH.

# Medical practice | Games get students in learning mode

By Lee Cashatt

Forget hour-long lectures and boring slide show presentations. In an age of highly advanced technology, medical education should at least be fun. A quest to connect student learning with their preferred learning styles has given rise to the use of medical gaming software at SOMA.

"It's about learning, rather than teaching," says Frederic A. Schwartz, DO, '69, FACOFP, associate dean, SOMA. A student should be able to access information in a way that's comfortable for them and consistent with the way they live their lives, he says.

"This is a generation that's grown up with a human-electronic interface. We realized we needed to be comfortable with other modes of transmitting information."

Nearly two years ago, C3 SoftWorks was introduced at SOMA to supplement basic clinical and pre-clinical learning. These are not your run-of-the-mill question and answer modules. These are highly sophisticated TV game show spin-offs that can present videos, cases, physical findings, and more. Plus, instructors can determine if the game is played individually or with a whole class, as simultaneous feedback can be delivered to everyone playing.

"We played 'Who Wants to be a Billionaire?,' and the students loved it," says Mara Hover, DO, associate chair, family and community medicine; director, clinical affairs unit; and assistant professor. Dr. Hover has successfully used C3 SoftWorks in the human development course. Forty-nine percent of students indicated that it facilitated their learning.

"We're pleased with the results. We know we'll utilize more games," she says.

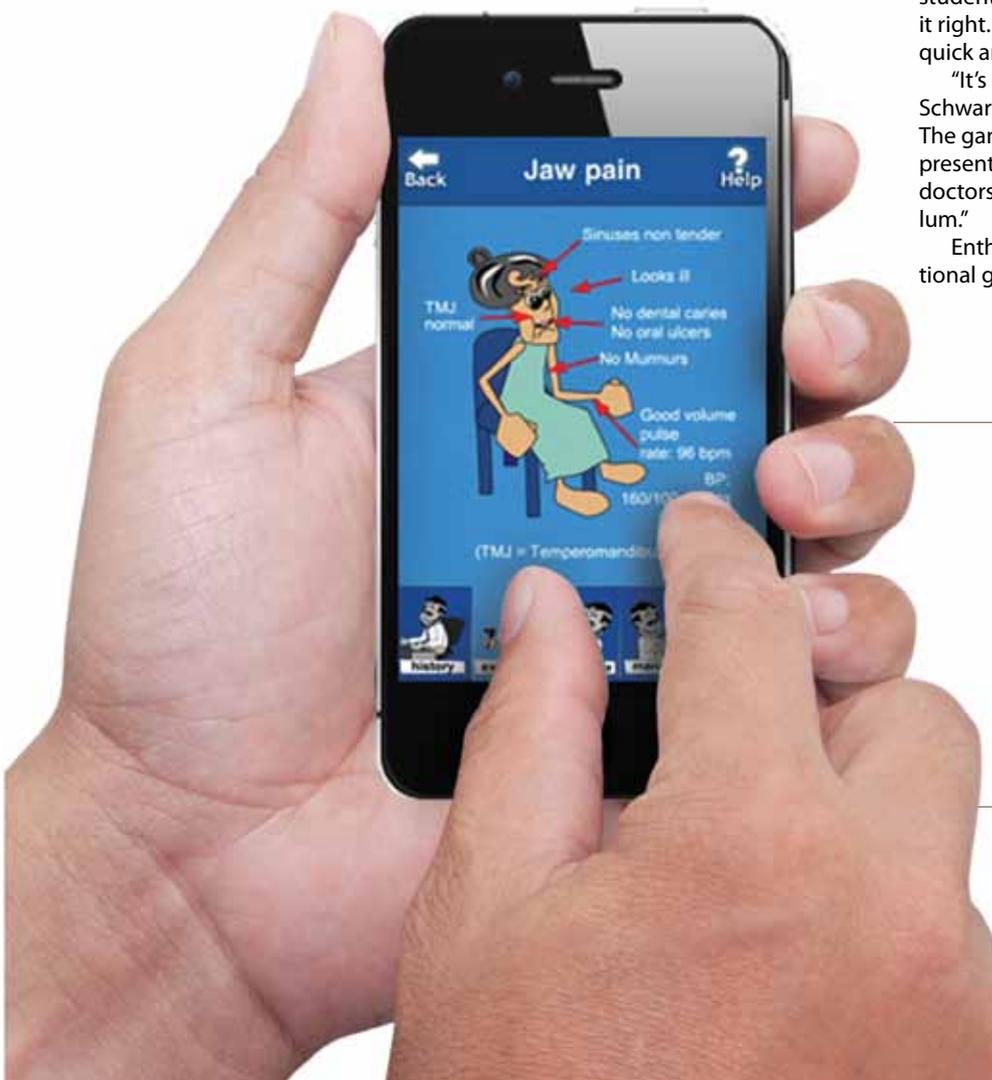
Yet another educational gaming software making its debut at SOMA is the comprehensive Decision Sim. Multifaceted virtual patient simulations require students to work through clinical presentation schemes and treatment options. As complex as real life, these simulations are proven to strengthen clinical decision-making skills.

"[Decision Sim] requires a lot of faculty time to put together; it's incredibly robust," says Dr. Schwartz. Faculty has been using it for nearly a year now.

But perhaps the most innovative gaming endeavor is a joint venture with Medical Joyworks, a Sri Lanka-based company offering a medical smartphone app called Prognosis, to develop its own apps based on its unique patient-presentation curriculum. This multi-year project is funded by a federal primary care grant and allows students to deliberately practice a scheme until they get it right. Case scenarios are based on real patients and are quick and fun to play.

"It's small, rapid, and highly portable," says Dr. Schwartz. "You can do it on your iPhone, iPad, or Android. The games will be complex and build in video case presentations based on the 125 ways patients present to doctors, reinforcing the thought process of our curriculum."

Enthusiastic faculty and students are giving educational gaming two thumbs up.



Learn more about C3 SoftWorks at [www.c3softworks.com](http://www.c3softworks.com), more about Decision Sim at [www.decisionsimulation.com](http://www.decisionsimulation.com), and download Prognosis free from Medical Joyworks at [www.medicaljoyworks.com](http://www.medicaljoyworks.com).

# Straight to the top

## SHM student pushes himself to the peak of Mount Everest

By Eden Derby

Daniel “Dusty” Boyd, MS, is always on the move. He believes that one should never leave idle time for the mind to wander.

“If you fill every hour of your day in some way, whether it’s helping another human being or progressing yourself, then you’re not going to get in trouble,” he says of his life philosophy.

Between spending time with his wife and four children, running a non-profit practice that helps Hawaiians fight obesity, and pursuing his doctorate in health education, Boyd spends many hours mountaineering.

“I guide on Everest and work with obese people because everyone has ‘their Everest,’ metaphoric, or real,” he says.

Before he discovered his love of climbing, he was an avid participant in Iron Man triathlons. He says he learned so much about himself on a mountain, that he shifted from triathlons to mountain climbing, but not before pairing the two sports to see the effects on his body and mind.

Days after completing Iron Man Austria, Boyd left for Russia to climb Mount Elbrus, the highest peak in Europe. He has done this with four of the world’s seven highest peaks in Australia, Russia, Peru, and Nepal. He has climbed Mount Everest multiple times without oxygen in as few as nine days. His latest climb was to study the effects of altitude on a fast-moving body for his dissertation.

“It’s all in your mind,” he says. “If you hydrate, eat right, and keep your will, you can do more than what experts say you can.”

Boyd learned about mountaineering from the Sherpas of Nepal, people living in the Nepalese Himalayas who often serve as porters on mountain-climbing expeditions. He has survived dangerous situations like staying three days in a tent during a storm with near 100-mile-per-hour winds and while running out of water. Although he has climbed mountains during wintertime, which is more difficult, he says the art of mountaineering is something in which he is skilled and comfortable. Life is all about balance, he says, something his father taught him at an early age.

**“Try to live your life for purposes higher than oneself; strive to be the best you are capable of being. I find this is the best way to satisfaction as a human being.”**



Class notes

In memoriam

The last word

## Connections

### ATSU, Truman unite for biomedical research

*Collaboration continues at symposium*

The third annual Interdisciplinary Biomedical Research Symposium, sponsored by the A.T. Still Research Institute (SRI), was held on ATSU's Missouri campus on Oct. 22, 2011. The event brings local researchers and their students together to present current research activity and promote a foundation for collaborative biomedical research between ATSU and Truman State University.

"By partnering with other educational institutions such as Truman State University and providing a platform at a public event, we encourage researchers to present their research and to talk about research interests and resources," said SRI Director Brian Degenhardt, DO. "All of the research presented has the potential to answer questions that will affect future health-care."

In total, 24 research projects were presented. The keynote address was delivered by Thomas Graven-Nielsen, dr.med.sci., PhD, head of the Doctoral School in Medicine & Biomedical Technology and deputy head of the Department of Health Science & Technology at Aalborg University in Aalborg, Denmark.

**Truman State University biology student Bridget Waller presents "Establishing *Caenorhabditis elegans* as a model for neural tube defects."**

# KOAA | honors excellence

The Kirksville Osteopathic Alumni Association (KOAA) held its annual awards banquet in conjunction with the American Osteopathic Association's 116th Annual Osteopathic Medical Conference and Exposition in Orlando, Fla.



**1.** ATSU President Jack Magruder and **Philip L. Shettle, DO, '64, FOCOO**, who received the Alumnus of the Year Award. Dr. Shettle has served on the board of governors at Nova Southeastern University College of Osteopathic Medicine in Fort Lauderdale for nearly 20 years. He also served on the AOA board of trustees for more than a decade and as AOA president (2005-06). **2.** Robert J. Theobald Jr., PhD, (far right) and his family. Dr. Theobald received the Living Tribute Award. He has been employed at KCOM since 1976 and is the current pharmacology chair. **3.** **Stanley E. Grogg, DO, '71, FACOP, FAAP**, received the Distinguished Service Award. Dr. Grogg is a past KOAA board of directors member, past KOAA board president, an ATSU alumni ambassador, and president of the ATSU Alumni Association. **4.** Sue Magruder, MA, received the Honorary KOAA Membership award. Sue is the wife of ATSU President Jack Magruder. Also receiving Honorary KOAA Memberships were David Patterson, MEd, BSE, director for simulation assessment in the KCOM Human Simulation Laboratory; Eric J. Snider, DO, C-NMM/ OMM, associate professor, neurobehavioral sciences, KCOM; and Betty Jo White, DO, FACOS. Dr. White is credited as the first woman in the osteopathic profession to complete a general surgical residency (1967). **5.** **Lloyd J. Cleaver, DO, '76**, (second from left) and his family, which includes (from left) son **Nathan J. Cleaver, DO, '10**; wife Kathy; and son **Jonathon L. Cleaver, DO, '08**. **6.** **Gary S. Edwards, DO, '80, FACOPF**, and son Frazier. **7.** ATSU Board of Trustees Chair Clyde H. Evans, PhD, with President Magruder and Sue. **8.** Dr. Philip Shettle and his wife with **Jeffrey A. Suzewits, DO, '88, MPH**, associate dean, clinical educational affairs. **9.** **Craig M. Phelps, DO, '84**, executive vice president of strategic planning and ATSU president-designate, and his family.



**1950s**

**Wilbur T. Hill, DO, '51, FACOFF**, Liberty, Mo., received the Years of Service Award from the Missouri Society of the American College of Osteopathic Family Physicians in January. Dr. Hill was a founding member of the ACOFP.

**Robert Pearson, DO, '57**, Woodcliff Lake, N.J., recently published the novel "House Calls" with Thomas Merjanian. "House Calls" tells the story of a child of the Great Depression who aspires to be a physician and a wealthy woman who realizes her parents' dreams to marry a doctor. Their stories intertwine through 70 years of laughter, joy, disappointments, and triumphs.

**1960s**

Retired Air Force Col. **Alfred W. Studwell, DO, '62**, was presented the U.S. Armed Services Air Medal for his U.S. Air Force service during the 1983 Beirut, Lebanon, conflict. Dr. Studwell received the medal on June 5, 2011, one day before his 79th birthday, in a ceremony at Dobbins Air Reserve Base in Marietta, Ga.

Dr. Studwell was commander of the U.S. Regional Hospital, Incirlik, Turkey, on Oct. 23, 1983.

"We found out that there was an early-morning terrorist attack on the U.S. Marine Corps barracks in Beirut, which was a short flying distance from our base in Turkey," said Dr. Studwell. "More than 250 active-duty Marines, Navy, and Army personnel were killed. The primary explosion took out the attached military corpsmen and medical personnel, rendering the wounded helpless.

"We were warned that there was sniper and mortar fire in the area. I wasn't so much concerned about the danger for the plane, but rather the dead and injured that were lying bleeding on the runway."

Twenty-four badly injured Marines were brought aboard the aircraft, and being the only physician on board, Dr. Studwell was credited with saving many lives on the emergency flight to trauma hospitals in Germany. He supervised a crew of 10 working on injured Marines.

Dr. Studwell now resides with his wife in Stone Mountain, Ga. Of his heroic actions, Dr. Studwell said, "I didn't do anything special. I was just doing my job."



**Albert L. Pick, DO, '67, JD**, shared a photo of himself in his Navy officers' uniform (taken in 1992 at an officers' class reunion) and a road sign on a busy street in Greensboro, N.C., that bears his name. Dr. Pick is a general surgeon in Atlanta, Ga., and a life member of the American College of Osteopathic Surgeons.

**Robert L. Robbins, DO, '68**, leads Saint Francis Medical Center's group of physician practices in Charleston, Mo. For more than 40 years, Dr. Robbins has been a respected family practitioner in the Charleston community.

**1970s**

**J.A. Keuhn, DO, '76**, Trenton, Mo., was named the 2010 Physician of the Year by The Missouri Association of Osteopathic Physicians and Surgeons. This prestigious award is not given every year and has been given to only 25 physicians in Missouri.

Dr. Keuhn served in the U.S. Army for two years as a sergeant and radio man during the Vietnam War, after which, he attended KCOM and began a private practice in Trenton. He currently is the emergency room physician for Wright Memorial Hospital in Trenton and serves on the Wright Memorial Hospital Foundation and Advisory boards. He is also medical director for Sunnyview Nursing Home.

Dr. Keuhn also extends his service outside of Missouri. Since 1999, he has visited Haiti where he founded a free medical clinic. He returns to Haiti at least four times a year, treating 400-500 patients and performing 50-75 surgeries. In addition to providing medical care, he works with the School of Excellence, which has increased from 35 students to more than 600. The school provides an education, food, clean drinking water, and restroom facilities to its students.



On Dec. 3, 2011, the Illinois Osteopathic Medical Society hosted its annual Presidential Banquet in Lombard, Ill., to honor its incoming president, **Richard A. Feely, DO, '78, FAAO, FCA, FAAMA**, Flossmoor, Ill. Dr. Feely is a highly accomplished physician with more than 25 years' experience in the Chicago area specializing in osteopathic medicine,

acupuncture, herbal medicine, and family practice.

Dr. Feely has served and continues to serve as an adjunct and associate professor in osteopathic medicine at medical schools around the United States, including Midwestern University – Chicago College of Osteopathic Medicine, ATSU, and Western University College of Osteopathic Medicine (Panoma, Calif.).

Dr. Feely is widely known for his work in osteopathic manipulation, cranial osteopathy, and acupuncture and is a sought-after lecturer and educator. Dr. Feely is also an author on integrative medical treatments and has edited *Clinical Cranial Osteopathy: Selected Readings*, as well as other medical and holistic journals.

#### 1980s

Stone Phillips, former co-anchor of *Dateline NBC*, recently interviewed **Gunnar Brolinson, DO, '83**, on a study focusing on head impact injuries in youth football. Dr. Brolinson is sports medicine chair of Edward Via College of Osteopathic Medicine and head team physician for Virginia Tech Hokies football, as well as the U.S. Olympic Ski team.



**Robert W. Sparks, DO, '83**, was recognized by the Missouri Health Information Technology (MO HIT) Assistance Center for his leadership in the nationwide transition toward electronic health records (EHR). The MO HIT Assistance Center assists clinicians in Missouri on becoming meaningful users of EHR. The Centers for Medicare & Medicaid Services have awarded Dr. Sparks with one of the first incentive payments

## ★ Readership ★ survey snapshot

Results from the *Still Magazine* readership survey are in. A total of 433 people responded via the online survey or response card in the spring issue of the magazine.

### WHO

93%

of respondents are alumni

### WHAT

Respondents are most interested in

55% Cover story | Alumni profiles 67%

Respondents are least interested in

59% Donor recognition | 26% Student profiles

### WRITING

53%

Writing is rated as

very good

### DESIGN

42%

Design is rated as

excellent

34% of respondents spend

**PRECIOUS TIME**

15-30 minutes reading each issue

made under the Medicare and Medicaid EHR Incentive Programs.

**Sherri J. Tenpenny, DO, '84**, accepted a position as corporate medical director for Parker Hannifin, a Fortune 200 company with 57,000 employees in 40 countries. Dr. Tenpenny will expand the company's integrative medicine program globally.

**Stan P. Coe, DO, '88**, and **Elizabeth A. (Appelquest) Coe, DO, '88**, continue to work in the ER and primary care, respectively. Drs. Coe are also involved in theatre and music and enjoy working with a group of at-risk kids who are learning to play the violin.

### 1990s

**Joel L. Baker, DO, '93**, was elected president of the Iowa Chapter of the American College of Osteopathic Family Physicians. Dr. Baker practices at Wayne County Hospital in Corydon, Iowa.

Radiologist **Mark DeSantis, DO, '93**, was granted a U.S. patent on his research work on thermal treatment of cancer using carbon nanotechnology. Learn more on p.18.



**Ian Fawks, DO, '97**, was recently promoted to lieutenant colonel in the Missouri Army National Guard. Dr. Fawks, Moberly, Mo., was promoted based upon his abilities as a leader, his medical skills, and his contribution to the missions of the Missouri Army National Guard.

"Since being a doctor and a soldier, I've become a better clinician," said Dr. Fawks. "This blended experience benefits

both my military and civilian careers in a direct fashion."

Dr. Fawks practices in Salisbury, Mo., where he provides care to patients of all ages. He is the medical director at Brunswick Nursing Home and sees patients at the Glasgow and Salisbury nursing homes. He also works in the emergency room at Moberly Regional Medical Center.

Dr. Fawks and his wife, Cheri, have been married for 17 years and they have three children, Abby, Maggie, and Joe.

**James Lewerenz, DO, '97, FAARM**, has expanded his practice and training to holistic, advanced medical care, including stem cell therapy, hyperbaric oxygen, IV nutritional therapy, and bio-identical hormone replacement. He received these skills while studying at University of South Florida, completing a fellowship in regenerative, metabolic medicine.

Dr. Lewerenz is a regular guest on KOMC FM radio in Michigan and is director of the Longevity Health Institute at the Beaumont Health and Wellness Center in Madison Heights, Mich.

**Mihir G. Modi, DO, '97, FAAFP**, was recently named a fellow of the American Academy of Family Physicians. Dr. Modi resides in York, Pa.

### 2000s

**Geoffrey W. Hoffa, PA-C, '00**, doctor of health sciences student at ASHS, was appointed to the International Brotherhood of Teamsters (IBT) – George Washington University (GWU), Teamsters Archives Advisory Board. Together with GWU, IBT has built the Labor History Research Center at the



Gelman Library, located at the center of the Washington, D.C., campus. The board exists to govern the project to make labor archives a reality.

**Duc T. Nguyen, DO, '00**, joined Saint Francis Medical Center as a medical partner and member of Cape Cardiology Group. Dr. Nguyen's clinical interests include complex peripheral and coronary intervention, catheter-based treatment of structural heart disease, and device therapy such as pacemakers and defibrillators for arrhythmia.

**Deborah Bade Horn, DO, '01, MPH, MS**, Houston, Texas, was inducted as vice president of the American Society of Bariatric Physicians (ASBP) on Oct. 29, 2011, at the society's annual meeting in Las Vegas.

Formed in 1950, ASBP is the primary source for clinical education and training for the non-surgical medical management of obesity. Dr. Horn has been involved in ASBP's leadership since 2007. She was also named Bariatrician of the Year in recognition for her work to advance the field of bariatric medicine and ASBP.

Dr. Horn is board certified in family, general preventive, and bariatric medicine. She presents regularly on physical activity, obesity, and weight-related co-morbidities.

"I am so grateful to the ASBP, my peers, and my patients for the opportunity to continue to serve and play an active role in the solution to our country's No. 1 health epidemic," Dr. Horn said.

**Tricia Schank Moen, MS, '02, ATC,** together with husband Mike, announce the Aug. 19, 2011, birth of their daughter, Alyssa.

**Brian Panik, DO, '02,** a board certified physician practicing in Hawaii for more than five years, is leading a health challenge with To Find Health, an online community formed to encourage healthy lifestyles in Hawaii. Learn more at [tofindhealth.com](http://tofindhealth.com).

**Glen G. Funkey, DPT, '04,** retired from active practice in May 2011 after 51 years as a physical therapist.

The ASHS Department of Physical Therapy honored **Jennifer Camhi, PT, DPT, OCS, AT, '05,** with a Regional Alumni Award in Chandler, Ariz., on Jan. 12. Dr. Camhi is an internationally renowned speaker in orthopaedic physical therapy for athletes and active adults.

"Dr. Camhi demonstrates a commitment to clinical excellence, life-long learning, and the bridge between education and healthcare," said Annlee Burch, PT, EdD, MPH, MS, vice dean, ASHS.

As a board-certified orthopaedic clinical specialist, Dr. Camhi works as the performance physical therapist and center coordinator of clinical education at Athletes' Performance, a company that provides integrated performance training, nutrition, and physical therapy for elite and professional athletes.



**Krisi Mandara, DO, '05,** joined St. John's Clinic – General & Trauma Surgery. She received her DO from KCOM and completed her residency with Philadelphia College of Osteopathic Medicine. Her medical training also includes a surgical critical care/trauma surgery fellowship at Indiana University in Indianapolis.

**Charles W. Bering, AuD, '06,** was appointed audiologist of the Neurology Department at the Emory School of Medicine's Dizziness & Balance Center in Atlanta, Ga. Dr. Bering enjoys restoring old cars, boats, and motorcycles.



**David A. Bitonte, DO, MBA, MPH, '06,** serves as chair of the Public Health Council Board for the Ohio Department of Health. In April 2011, Dr. Bitonte became a staff physician at Good Samaritan Clinic – FQHC in Alliance, Ohio, and in October was named a life member of the American Osteopathic College of Anesthesiologists at their annual meeting.



**Amit Gosalia, AuD, '06, FAAA,** has been named to the list of the Best Hearing Care Professionals in 2011 by *The Hearing Review*. In addition, Dr. Gosalia won the American Academy of Audiology Scholar Award, which recognizes audiologists who have gone above and beyond the minimum requirements in continuing education. He also received the 2011 Jack Vernon Crystal Award presented by the American Tinnitus Association.

Dr. Gosalia is an audiologist at the Audiology Clinic Inc. in the Portland, Ore., area.



**Peter Rhee, DO, '07,** was published in the *American Journal of Orthopedics*. Dr. Rhee's article, "We are Physicians First, Orthopedic Surgeons Second," was printed in the January 2012 edition of the journal.

"I wrote it with the intent to instill DO principles to a surgical specialty where we often don't get a chance to practice what we learned in osteopathic medical school," said Dr. Rhee.



**Timothy Oh, DMD, '08,** received the Oral Health Hero Award from The Maine Dental Access Coalition on Jan. 14 at the governor's mansion in Augusta, Maine.

Dr. Oh, director, Caring Hands of Maine Dental Center, was recognized for his efforts in founding this center and bringing dental care to Washington and Hancock counties.

**Erik P. Gulbrandsen, DO, '09,** chief resident, Southern Illinois University School of Medicine, Department of Family and Community Medicine, received the 2011 H. Winter Griffith Scholarship for Excellence in Practice Improvement and Patient-centered Care. He was honored by the Society of Teachers of Family Medicine and the American Academy of Family Physicians at their annual practice improvement conference in December. Dr.

Gulbrandsen's project focused on measures to improve quality of patient care for those with chronic diseases.

**Morgan Glenn Yost, DO, '09**, received a 2011 Research Fellowship Award from the American Osteopathic Association (AOA) for his research titled, "Burnout Among Osteopathic Otolaryngology Residents-Identification, Prevention, and Treatment During Formative Training Years."

Grant awardees result from the national partnership between the AOA's Council on Research and the Osteopathic Heritage Foundation.



**2010s**

**Matt Crespino, MPH, '10, RDH**, was promoted to associate director at Children's Health Alliance of Wisconsin. Crespino has served as oral health project manager for the past five years and will continue overseeing all of the oral health initiatives of the Alliance in addition to the Reach Out and Read Wisconsin program. Crespino also will provide operational support for the organization, which works statewide to improve the health of Wisconsin's children by engaging community leaders in advocacy, policy change, and the implementation of evidenced-based programs.

Crespino also was recently married to Laura Beth Walsh, a kindergarten teacher for Milwaukee Public Schools. The two reside in Milwaukee, Wis.



**Coty L. Richardson, MS, '10**, recently obtained a position teaching exercise science courses at Northwest Christian University in Eugene, Ore.



**Mark Brown, DO, '11, and Melinda Brown, MHA, '09**, Carl Junction, Mo., are parents of Ashdyn Leslie Brown, born Jan. 1, 2012, and siblings Zakory and Maggie.

**Michael Colby, DPT, '11**, recently joined the team at Rebound Orthopedics. Dr. Colby believes in patient-centered physical therapy that involves patient education and collaborative treatment plans. He will practice physical therapy at Rebound's Salmon Creek, Wash., office.

Send your class note to [stillmagazine@atsu.edu](mailto:stillmagazine@atsu.edu).



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**Correction**

The fall 2011 issue of *Still Magazine* misstated the age of **Leonard E. Staff Jr., DO, '45**. He is 90, not 96. Our apologies.



# In memoriam

ATSU pays tribute to the following graduates

Read full-length obituaries online at [stillmagazine.atsu.edu](http://stillmagazine.atsu.edu).

Ellsworth C. Bartlett Jr., DO, '39, Feb. 26, 2011, Henderson, Nev.

Robert J. Blickensderfer, DO, '69, BSPH, Nov. 13, 2011, Mineral Ridge, Ohio

Donald E. Cole, DO, '66, Jan. 6, 2012, Bedford, Texas

Melvin D. Crouse, DO, '58, July 11, 2011, Dayton, Ohio

Daniel R. Daciuk, DO, '61, Nov. 21, 2011, Traverse City, Mich.

Bradford LeRoy Darling, DO, '52, July 19, 2010, Littleton, Colo.

Dan C. Dean, DO, '68, Jan. 15, 2012, Mt. Pleasant, Mich.

Paul M. Derderian, DO, '86, June 4, 2011, Grand Blanc, Mich.

David T. Garland Jr., DO, '51, Feb. 3, 2012, Denver, Colo.

Benjamin L. Gill, DO, '63, Feb. 19, 2011, Akron, Ohio

Gerald H. Goettsch, DO, '71, Nov. 18, 2011, Bettendorf, Iowa

George F. Graves Jr., DO, '70, Sept. 12, 2011, Silver Springs, Fla.

Robert A. Jensen, DO, '81, Nov. 8, 2011, Clifton, Colo.

John Lewis Johnston, DO, '52, Dec. 22, 2011, Shippensburg, Pa.

Kenji G. Kitagawa, DO, '85, Oct. 24, 2011, Denver, Colo.

James Frank Marr, DO, '56, Oct. 14, 2011, Tulsa, Okla.

Kerriston L. Marsh, DO, '63, July 11, 2010, Tucson, Ariz.

Joel M. Messina, DO, '55, July 26, 2010, Plant City, Fla.

Richard A. Mickle, DO, '86, Dec. 2, 2011, Phoenix, Ariz.

John T. O'Shea, DO, '65, Oct. 11, 2011, Fort Worth, Texas

O. Keith Pauley, DO, '41, FACOFFP, Dec. 20, 2011, Seattle, Wa.

Robert L. Peters Jr., DO, '58, Jan. 13, 2012, Round Rock, Texas

Robert Bruce Pettyjohn, DO, '72, Dec. 13, 2011, New Port Richey, Fla.

Deno Spiro Sellas, DO, '59, Jan. 1, 2012, Grand Rapids, Mich.

Jayne L. Snyder, DPT, '07, Oct. 5, 2011, Lincoln, Neb.

Walter S. Strode, DO, '73, Oct. 19, 2011

Ronald E. Strong, DO, '68, Jan. 21, 2012, Jefferson City, Mo.

John Van Swan, DO, '77, Nov. 20, 2011, Cumming, Ga.

Joe Bill Webber, DO, '58, Jan. 18, 2012, Overland Park, Kan.

Robert E. Wilkins, DO, '45, Dec. 16, 2010, South Bend, Ind.

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Julie Ann Gibson, MBA, professor, SOMA, Dec. 28, 2011, Queen Creek, Ariz.

## Correction

In the Dr. Mahlon Ponitz obituary listed in the spring 2012 issue, we neglected to say that Dr. Ponitz's wife, Arlene, survives. Our apologies.

## Antarctica

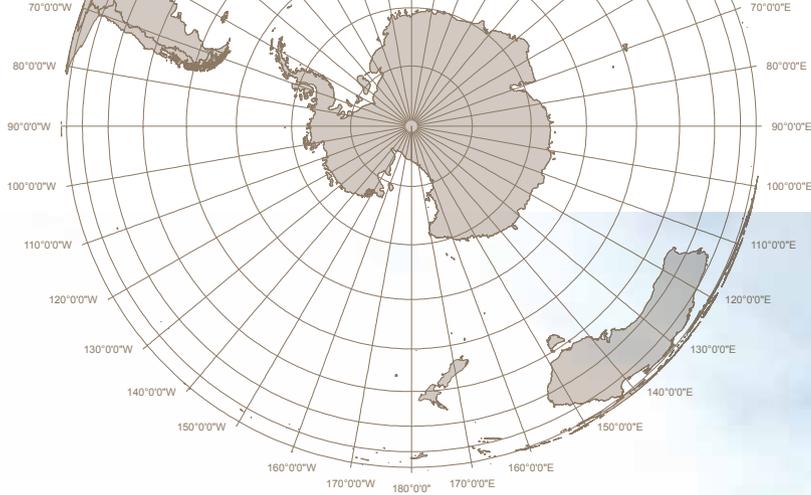


Photo credit: Glenn Grant/National Science Foundation

the last word

### **Jeff Boyett, PA, befriended exotic wildlife**

like these 42-inch tall Emperor penguins while on a chilly medical adventure where he worked as a contract medical officer. As such, he supported National Science Foundation scientists and contractors at McMurdo Station, Ross Island, Antarctica, from Feb.-Oct. 2011.

Working as a physician assistant during the Austral winter, Boyett spent several months in total darkness and in temperatures that plunged to minus 60 F, providing medical care at a small clinic.

“We had several serious illnesses and injuries,” Boyett said. “One of which was a patient with a ruptured appendix that required a mid-winter medical evacuation by the U.S. Air Force. It took one week to prepare the icy runway to allow the plane to land near McMurdo Station.”

Boyett is currently an advanced physician assistant student at ASHS and has been practicing for 13 years.

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## PROGRAMS AT-A-GLANCE

### FOUNDER'S DAY MANIPULATIVE UPDATE

Oct. 25-27, 2012  
Missouri campus  
Kirksville, Mo.  
25 hours category 1-A credit, AOA

### PRIMARY CARE UPDATE

Nov. 28-Dec. 1, 2012  
Big Cedar Lodge  
Ridgedale (Branson), Mo.  
18 hours category 1-A credit, AOA

Programs subject to change

**For more information, contact:**  
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*ATSU is accredited by the American Osteopathic Association (AOA) to provide continuing education for physicians. These programs anticipate being approved for AOA category 1A CME credit, pending approval by the AOA CCME.*

