Service Learning:

Students in the Community

at home and abroad
The School’s mission is to “improve the lives of people and create the future of Allied Health professions through innovation, education, and service.” Within this issue of Allied Med Today, these three mission areas come together in the many service learning and volunteer service activities that are creatively changing health care locally and globally. Our faculty, students and alumni are reaching out to those in need and providing critical care and consultation to improve the health of diverse populations. In addition, our faculty lead outreach research projects to address health disparities and health literacy and promote healthy lifestyles in underserved communities. Students in multiple programs participate in research experiences associated with these projects.

In June 2009, the University voted to transition from quarters to semesters, beginning in 2012. A large focus of 2009-2010 has been preparing for this conversion, which has included curricular mapping of each academic program to determine not only how to organize current content into semester classes, but also, at the heart of each program’s plan, to create the future in allied health education through educational innovation. We are striving to prepare our students for the practice of tomorrow, including the rapidly changing technology and practice skills within each of our disciplines; to develop interdisciplinary courses that will facilitate our graduates’ transition into the team-focused healthcare work environment; to expand research opportunities to catalyze evidence-based practice and promote a higher standard of patient care; and to build upon our dedication to service through the expansion of content on health disparities and health promotion across programs and the inclusion of more service-learning opportunities. We are looking at this transition as an exciting opportunity for growth and innovation, as we move forward into 2012.

Our service-learning activities and educational innovations are, in part, supported by the generous contributions of our alumni, faculty, staff and friends to the School’s development funds and endowments. So, once again, I want to take this opportunity to thank our many supporters for their generosity, as we look to improve people’s lives through education, research and service.

Deborah S. Larsen, PT, PhD
Associate Dean and Director, School of Allied Medical Professions
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### On Our Cover

Physical therapy students Lauren Holt Carrity and Andrea Todd were part of a service learning program that takes treatments to those in need in Merida, Mexico. *Story on page 15.*
Welcome
NEW SAMP FACULTY

CARMEN DIGIOVINE, PHD, ATP, RET
Assistant Professor in the School of Allied Medical Professions
Program Director, Assistive Technology Center at Dodd Rehabilitation Hospital

Formerly president of 6 Degrees of Freedom, LLC, a rehabilitation engineering and assistive technology consulting firm in Wheaton, Ill., Dr. DiGiovine brings his expertise in technology and engineering to Ohio State’s School of Allied Medical Professions and to the Assistive Technology Center within Dodd Rehabilitation Hospital. He earned both his master’s (2000) and doctoral degrees in Bioengineering (2001) at the University of Pittsburgh and received his bachelor’s degree from the University of Illinois at Urbana-Champaign. In addition to his entrepreneurial pursuits, Dr. DiGiovine has served as a clinical assistant professor in the departments of Disability and Human Development and Bioengineering at the University of Illinois in Chicago. His research and development endeavors focus on developing assistive technology service delivery models within The Ohio State University Medical Center and the Veterans Affairs Polytrauma Rehabilitation Center in collaboration with the University of Pittsburgh. The author of numerous articles and book chapters, Dr. DiGiovine has explored the numerous facets of rehabilitation engineering and technology.

TAMERAH HUNT, PHD, ATC, CSCS
Assistant Professor of Clinical Allied Medical Professions

Dr. Hunt joins Ohio State from the University of South Carolina, where she was an assistant professor within the undergraduate and graduate athletic training programs. She has been a practicing athletic trainer since 2000. Her focus is on sports-related concussions, the adolescent athlete, cognitive maturity and psychometric properties of concussion assessment tools and her research interests are in youth concussion assessment. She has worked with various high schools in Ohio, South Carolina, Georgia and Maryland examining high school athlete recovery patterns, concussion assessments, co-morbidities and possible educational intervention in multiple populations. Currently, Dr. Hunt is conducting research on the cumulative effects of low-grade head impact forces on clinical outcomes in collegiate rugby players and the disparities of knowledge and access to care for sports injuries in urban and suburban girls. Dr. Hunt received her master’s degree from James Madison University in 2002 and her PhD in Kinesiology from the University of Georgia in 2006. She has published several articles, given numerous presentations and was invited to present for the Georgia and Ohio High School Coaches Workshop and The University of Georgia Sports Medicine Conference.

MARCIA NAHIKIAN-NELMS, PHD, RD, LD
Professor of Clinical Allied Medical Professions
Director, Clinical Education/ Dietetic Internship, Division of Medical Dietetics

Marcia Nahikian-Nelms, PhD, RD, LD, comes to Ohio State from Southeast Missouri State University, where she was the Director of the Didactic Program in Dietetics and Professor of Nutrition and Dietetics from 1991 to 2009. As a registered Dietitian since 1982, Dr. Nahikian-Nelms has focused on nutritional care during the treatment of cancer, GI disorders, pathophysiology and dietetics education.

Dr. Nahikian-Nelms has published numerous peer-reviewed articles and books. One of her most recent projects has been serving as the primary author for Nutrition Therapy and Pathophysiology, published by Cengage. More than 80 undergraduate and graduate programs in the United States have currently adopted this text and the second edition will...
be released in June 2010. Dr. Nahikian-Nelms’ research interests lie in developing evidence-based nutrition therapy along with the translation of nutrition therapy for use by clinicians and clients to promote behavior change. She earned her PhD from Southern Illinois University – Carbondale in Health Education, a Master’s of Education in Nutrition from the University of North Carolina – Greensboro and a bachelor’s degree in Public Health Nutrition from the University of North Carolina – Chapel Hill.

JAMES OÑATE, PHD, ATC
Associate Professor of Athletic Training

Dr. Oñate joins Ohio State’s Department of Athletic Training from Old Dominion University, where he was the director of the Sports Medicine Research Laboratory and the Applied Human Anatomy Laboratory. Dr. Oñate earned his master’s degree in Athletic Training from the University of North Carolina in 1997 and continued at UNC to earn his PhD in Human Movement Science in 2002. As a new faculty member at Ohio State, Dr. Oñate will also serve as co-director of the University’s Movement Analysis and Performance Research Program and as director of the Functional Motion Assessment Laboratory, which focuses on issues related to lower extremity injury, in particular anterior cruciate ligament (ACL) injury, and human performance optimization. Dr. Oñate’s current research focuses on ACL injuries, feedback instructional systems, jump-landing technique, periodic health and performance evaluation screening, and military human performance.

EMILY PATTERSON, PHD
Assistant Professor of Health Information Management and Systems

Dr. Patterson came to Ohio State in 1994 as a graduate student in Industrial and Systems Engineering after receiving her bachelor’s degree at the University of Illinois Urbana-Champaign. Upon completing her doctorate in 1999, she conducted health services research with a joint appointment at Ohio State and the Veterans Health Administration’s Getting at Patient Safety (GAPS) Center. Her work focuses on applying human factors research to improve system performance in complex, socio-technical settings. Dr. Patterson currently serves on the advisory board for the Joint Commission Journal on Quality and Patient Safety, the Center for Innovation of the National Board of Medical Examiners, and formerly the Joint Commission International Center for Patient Safety. Her current research interests are improving patient handoffs, reducing boarding times for mental health patients in emergency departments, and using computer-aided diagnostics to improve cancer screening and staging.

LAURA SCHMITT, MPT, PHD
Assistant Professor of Physical Therapy

Dr. Schmitt comes to Ohio State from the Sports Medicine Biodynamics Center, Cincinnati Children’s Hospital, University of Cincinnati, where she completed a postdoctoral research fellowship. She has been a licensed physical therapist since 2001 and brings her expertise in anterior cruciate ligament injuries, osteoarthritis, biomechanics and gait analysis to the teaching and research mission of Ohio State’s School of Allied Medical Professions. Dr. Schmitt’s research focuses on neuromuscular and biomechanical aspects of human movement related to joint injury, rehabilitation and sports performance. Dr. Schmitt currently has a grant from the National Football League Charities Foundation and National Institutes of Health to study the longitudinal clinical and biomechanical outcomes following anterior cruciate ligament injury and reconstruction. She and her colleagues recently received the NCAA Research Award from the American Orthopaedic Society for Sports Medicine for research, titled “Biomechanical Measures during Landing and Postural Stability Predict Second Anterior Cruciate Ligament Injury after ACL Reconstruction and Return to Sport.” Dr. Schmitt received her PhD from the University of Delaware in Biomechanics and Movement Science, and both her master’s degree in Physical Therapy and Bachelor’s degree in Psychology from the University of Delaware.
A Graduate Interdisciplinary Specialization in Global Health program, offered by the Health Sciences Center for Global Health, is bringing together students from all OSU health sciences programs, including the allied medical professions, to foster interdisciplinary learning, international education and opportunities for study abroad. Funded by a National Institutes of Health (NIH) grant, the program requires students to complete at least 14 credit hours of coursework in global health from outside the student’s major. Currently, 36 students, eight from the School of Allied Medical Professions, have entered the program.

The grant also provides funding for multidisciplinary educational programs. Physical therapy student Debra Nickoli was the first student to receive funds from this grant, which paid for a service learning experience in Merida, Mexico.

Global Health Program Introduced

SAMP Programs Accredited

The School of Allied Medical Professions (SAMP) has recently received accreditation for three of its newest programs. The Radiologist Assistant – MS program was granted accreditation by the American Registry of Radiologic Technologists (ARRT). Ohio State’s Radiologic Assistant program is one of only three in the United States and the only one in a four-state area (Michigan, Ohio, Indiana and West Virginia). In addition, the Medical Dietetics Division received accreditation on both its Combined Masters and Internship Program and its Coordinated Undergraduate and Graduate Program, using the new accreditation standards set forth by the Commission on Accreditation for Dietetics Education.

OSU and UADY Ties Strengthen Programming

Universidad Autónoma de Yucatán (UADY) is preparing to become the first university in the Yucatan peninsula to offer a master’s degree in physical therapy. An important step toward reaching that goal has been learning more about Ohio State’s DPT program, one of the top-ranked programs in the United States.

Last fall, UADY faculty members Alejandro Ojeda Manzana, Coordinator of UADY’s rehabilitation program, and Claudia Barrero Solís, rehabilitation faculty member, visited Ohio State’s campus and met with SAMP faculty members Dale Deubler PT, MS, and Anne Kloos, PT, PhD, to talk about curricula, research and SAMP’s global service learning course, a conversation they began in Merida in 2007. The UADY team members returned to UADY with a better idea of how to incorporate evidence-based practice into their curriculum, ideas about starting a PT education experience at OSU for a UADY student and how to access OSU’s Continuing Medical Education programs. In return, OSU made headway in establishing additional therapy sites needed to strengthen the program’s service learning course.
The private support of alumni and friends is increasingly critical to building the financial aid resources of the School of Allied Medical Professions. Each year, generous gifts are designated for scholarships across the divisions that enable talented students to meet their educational expenses. With diminishing state support, however, students are relying more on loans to pay their tuition and other expenses. The creation of additional scholarship endowments is essential to sustaining the quality of allied health education and to attracting and retaining the dynamic students SAMP has traditionally drawn to its programs.

“We truly appreciate the donations made to the scholarship funds in the School from our loyal alumni, and we hope to create more momentum into the future for this support to grow and expand,” said Deborah S. Larsen, associate dean and director of the School. “Our commitment to quality, to personalized education, and to outstanding clinical experiences for our students is clear,” she said. “The level of private support we receive from alumni is key to these achievements.”

Currently, the annual cost for undergraduate students enrolled in allied health who are Ohio residents averages $9,600 in tuition and fees. For graduate students enrolled in programs such as Physical Therapy and Occupational Therapy, the annual cost averages $16,500 per year for tuition and fees.

Annual and endowed scholarships have an immediate impact for students, from assisting in the purchase of books and materials to defraying tuition and fees.

For student Tiffany Page, receiving funding from the Edgar W. Ingram Scholarship fund helped her move one step closer to her goal of working as a nutritionist in the community. “Receiving the scholarship will help to eliminate future student loans, and I look forward to giving back to the community once I finish the program,” she noted.

Laura Bills Fisher, a DPT student, credits support from the Gladys Woods Scholarship Endowment and the Gwen Moody Harre Scholarship Endowment for advancing her work toward her degree. “This scholarship allows me to focus on my studies and relieves some of the financial pressure of earning my degree,” she said. “Ohio State University was an easy choice for me – it allowed me to attend a world-class university close to home, and I am still happy with that decision five years later.”

For more information about creating an endowed scholarship fund or learning about planned gift options to create an endowed fund, contact Julie Conry, Director of Development for SAMP, at 614-366-0229 or email julie.conry@osumc.edu.

To donate on-line to any gift fund for SAMP, visit: www.giveto.osu.edu and click on the Make a Gift link.
ATHLETIC TRAINING
Athletic Training graduated 18 students in 2009, bringing the total number of graduates to 115 since the program graduated its first class in 2003. Of the 72 pre-athletic training majors who applied for admission to the major, 22 were admitted to begin the 2009-2010 academic year. The program underwent its reaccreditation self-study and on-site review and instituted several programmatic updates in the past year. Among the most important of these was a major change to student clinical rotations. Junior students now spend the entire year at off-campus clinical sites including a high school, outpatient sports medicine, and physician office/general medical rotation.

HEALTH SCIENCES
The 2010 graduating seniors in Health & Wellness have aspirations as varied as their personalities. Nearly 80% will be heading on to graduate and/or professional programs following graduation. Most of those will be enrolled in medical and health-related professional programs such as nurse practitioner programs, occupational and physical therapies, physician’s assistants, public health and epidemiology. While many students will remain at the Ohio State University for their graduate studies, the rest will be scattered across the nation from USC to Duke. The remainder will be working or seeking employment in various capacities such as health educators and community program coordinators.

CIRCULATION TECHNOLOGY
The Circulation Technology Division has been deactivated and graduated its last class in June 2010.

HEALTH INFORMATION AND MANAGEMENT SYSTEMS
In the academic year 2009-10, 53 HIMS students were enrolled as undergraduates. Twenty-three seniors graduated after successfully completing their eight-week, full-time internships. Thirty students were admitted in the fall of 2009 (25 juniors and 5 sophomores). Of the 2009 graduates, two went on to graduate school in OT and nursing with the rest employed within two months of graduating. There are nine graduate students enrolled in the Health Informatics masters specialization.

MEDICAL DIETETICS
In 2009, five Medical Dietetic students graduated from the combined master’s internship; three graduated from the coordinated graduate program; and 18 graduated from the coordinated undergraduate program. Among the students admitted for the 2009-2010 academic year, six (out of 35 applicants) were accepted into the combined master’s program; six (out of eight applicants) entered the coordinated undergraduate program; and 20 (out of 78 applicants) entered the coordinated undergraduate program. In all, there were 20 seniors, 24 juniors, 19 sophomores, six coordinated graduate students, 10 graduate interns, and four students in the professional clinical nutrition track.

MEDICAL TECHNOLOGY
Medical Technology graduated 42 students in 2009. The Class of 2010 includes 62 students and the Class of 2011 comprises 15. The program has consistently exceeded its goal of admitting 30 new students in each certification track class. Enrollments continue to grow in the Medical Science and Medical Laboratory Technology Articulation Tracks. The Coordinated Master’s Program currently has one first-year and one second-year student. Graduates of the Certification Track continue to score above the national mean on the certification exams, and 96 percent of those taking the national examination in 2008-2009 received a passing score.
OCCUPATIONAL THERAPY

In academic year 2009-2010, 129 professional students were enrolled in the Master of Occupational Therapy program. This number includes one class that graduated mid-year and one that began in summer 2009. Of the students who graduated in June 2009, all 43 successfully completed their fieldwork II by April 2010, and 100 percent passed the National Board for Certification in Occupational Therapy examination. In summer 2009, 38 students entered the program. Of the 2009 graduating class, 15 will complete a research specialization and one completed the LEND traineeship.

PHYSICAL THERAPY

Among the 280 applications for entrance into the Doctor of Physical Therapy (DPT) degree program, 44 students were admitted, 25 (56 percent) of whom were Ohio State graduates. Eleven students graduated in December 2008 as the last group to be awarded the Master of Physical Therapy (MPT) degree from Ohio State. All of these students passed the National Physical Therapy Exam (NPTE) on the first attempt. When added to the 29 DPT graduates in 2008, the first-time pass rate was 95 percent, compared to a national average of 84 percent. Twenty-seven students graduated in August 2009 with the DPT degree, which is now the only professional physical therapy degree offered by OSU. Most of these students have passed the NPTE on the first attempt to date. The Division is adding an MPT-to-DPT program for alumni who graduated with their MPT and want to obtain their DPT.

RADIOLOGIC SCIENCES AND THERAPY

The 2008 RST senior class graduated 40 students in June 2009. This represents the Division’s first set of BS graduates in Radiography, Diagnostic Medical Sonography/Vascular Technology, and Radiation Therapy. All of the 2009 graduates passed their respective national board exams at or above the 90th percentile. Jeff Cowen (RST ’09) was accepted to the Ohio University Physical Therapy program, Sarah Viall (RST ’09) to Yale University’s Nurse Practitioner program, Jen Main (RST ’09) to the Ohio College of Podiatric Medicine, Tim Lin (RST ’10) to the OSU DPT program and Lisa Morshauer (RST ’10) to the OSU Optometry program. The Radiologic Therapy Class of 2011 is the largest new RT class ever, with 22 new students accepted. In the 2009-2010 academic year, the Division had 90 RST undergraduates enrolled in the program. The new Master of Science course of study for the Radiologist Assistant program was accredited by the American Registry of Radiologic Technology (ARRT) in spring 2009. Leslie Partridge, MS, RT(R) (RRA) became the first credentialed Radiologist Assistant to graduate from the program.

RESPIRATORY THERAPY

Following the retirement of F. Herbert Douce, MS, RRT-NPS, RPFT, in June 2009, the Respiratory Therapy Division merged with the Radiologic Sciences Division under the leadership of division chair Kevin Evans, PhD. Georgianna Sergakis, PhD, RRT, assistant professor of Clinical Allied Medicine, will serve as the program director for Respiratory Therapy. The 2008-2009 academic year began with 54 undergraduate students enrolled in the major and graduated 19 seniors in June 2009. One graduating student received the President’s Salute for Undergraduate Academic Achievement and two received the Respiratory Therapy Endowed Scholarship. Six students graduated magna cum laude, six graduated cum laude, and four were inducted into the Lambda Beta Society, the national honor society for respiratory care. Ninety-five percent of seniors graduated as Registered Respiratory Therapists, the largest number and highest class percentage ever. One student graduated with the Certified Respiratory Therapist credential. The Committee on Accreditation for Respiratory Care (CoARC) confirmed the Division exceeded its “Outcomes Assessment Thresholds” for continuing program accreditation.
Division HIGHLIGHTS

Awards & Recognitions

STUDENTS

- Senior Athletic Training student Masahiro “Masa” Mizutani was awarded the Trainers’ Association Research and Education Foundation Scholarship, a national scholarship awarded annually to approximately 75 of the top undergraduate, master’s and doctoral students in athletic training based on academic performance, athletic training clinical performance, leadership and community involvement.

- Five Health Information Management and Systems students John Cali, Ciera Crawford, Denise Doneski, Amanda King, and MJ Nguyen, received Heron Family Scholarship Awards this year. Loretta Hunt was awarded a Central and Southern Health Information Management Systems Society scholarship and Kelly Kirk received the Ohio Health Information Management Association’s New Graduate Award for 2009 and Andrea Brown received the award for 2010.

- HIMS juniors, Maria Miller and Indi Ekanayake, were selected to participate in McKesson Technology Solutions summer internship program — Maria at McKesson’s headquarters in Atlanta, Georgia, and Indie at the Charlotte, North Carolina office. McKesson is a leading international provider of integrated information system solutions for the healthcare industry.

- The Med Tech Class of 2008 selected Ina Yeung as the 2008 Beth Bowman Award recipient. Named in honor of Medical Technology alumnus Beth Bowman, the award recognizes professionalism, responsibility, selflessness, cooperation and enthusiasm.

- OSU Medical Technology students Shannon Edwards, Christine Hoppe, Keelie Kuhn, Andrea Lorenz and Laurel Zilka placed first in the fourth annual Academic Challenge for students graduating from medical technology and medical laboratory technician programs throughout Ohio. The event was hosted by the Ohio Society of the American Society for Clinical Laboratory Science (ASCLS-OHIO). Faculty member Kathy Waller, PhD, organized the OSU team.

- Occupational Therapy students Suellen Sharp received a fellowship with Leadership Education in Neurodevelopmental and Related Disabilities (LEND), Yoshi Kim and Florence Angelo held graduate assistantships, and Amy Atterholt and Stephanie TeDrick won American Occupational Therapy Foundation scholarships. Nicole Mayer received the Judy E. Smith Scholarship, and Anne Deringer was awarded the Hite Family Scholarship. Elise Dew has been elected to serve as Communications and Advocacy Chairperson on the ASD Steering Committee of the American Occupational Therapy Association, Assembly of Student Delegates.

- Junior Kathryn Zale was awarded a student scholarship by the Society of Diagnostic Medical Sonography Educational Foundation and was selected by the Society to present her scientific undergraduate research poster at the annual conference held in Nashville next fall. Zale will be the first Radiologic Sciences and Therapy student to exhibit undergraduate research at this meeting.

- Daniel Eiler, a junior Radiation Therapy major, was awarded the prestigious Varian Radiation Therapy Student Scholarship. Only 17 awards were presented nationally. The scholarship awards $5,000 to academically outstanding students attending an entry-level radiation therapy program.

- Radiology student Megan Moser was selected to receive a scholarship awarded by the Ohio Society of Radiologic Technologists.

- Radiation Therapy seniors Tina Vansuch and Luke Barhorst each received a Varian Radiation Therapy Scholarship given by the American Society of Radiologic Technologists.
OSU PHYSICAL THERAPY

OSU Physical Therapy students, along with student athletes from the OSU football team and PT and PTA students from the University of Toledo and Owens Technical College, provided FUNfitness screens to more than 119 special-needs athletes during the Ohio Special Olympics State games in summer 2009. Special Olympics FUNfitness is a physical therapy screening program designed to assess and improve physical strength, flexibility and balance. Developed in partnership with the American Physical Therapy Association (APTA), the program also educates athletes and parents on the importance of staying physically fit and flexible, and provides hands-on opportunities for Special Olympics athletes to learn more about physical therapy. In 2009, OSU PT faculty member John DeWitt, DPT, SCS, ATC, and FUNfitness Ohio clinical director Lana Silverman, DPT, coordinated the event. This was the second year for screens and has since grown into a service learning initiative for Physical Therapy Division students.
--- In an occupation where the focus is on rehabilitating and treating others, injuries that physical and occupational therapists sustain are largely overlooked and left untreated. Back injuries due to lifting and transferring patients and injuries to upper extremities from administering manual therapy are common among these professionals. Research shows that about half of them have some kind of pain and around 20 percent suffer from musculoskeletal pain that is severe enough to be classified as a disorder.

Since joining Ohio State in 2008 as an assistant professor of occupational therapy, Amy Rowntree Darragh, PhD, OTR/L, has been studying this group to better understand these work-related musculoskeletal disorders and to find methods for treating and preventing them. She is also interested in learning whether and to what extent the disorder interferes with a therapist’s job performance. In a related study, she is looking at musculoskeletal disorders among informal caregivers – those who care for an individual with a physical condition or disability, usually a family member – with the goal of finding out if they are experiencing pain as a result of the tasks they are performing and, if so, to provide interventions that will reduce the burden.

As transferring patients is the primary cause of injury in therapists, Darragh has been studying the use of mechanical lift devices to assist in the care giving process and help prevent injury. But because there is no research on the effect that using such equipment has on patient outcomes, she is also looking at whether their use impedes progress.

Amy Darragh has been a practicing occupational therapist since 1995. She earned her PhD from Colorado State University in environmental health, a master’s in Occupational Therapy from Colorado State University, and bachelor’s degrees from Barnard College at Columbia University in psychology and dance.

The project described was supported by Award Number UL1RR025755 from the National Center for Research Resources, funded by the Office of the Director, National Institutes of Health (OD) and supported by the NIH Roadmap for Medical Research. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Center for Research Resources or the National Institutes of Health.
Improving Motor Skills in At Risk Infants

Jill Heathcock is hopeful that her study to understand the mechanisms behind purposeful movement in infants will lead to better treatments for babies at risk for diseases such as cerebral palsy.

Inside Jill Heathcock’s lab at Ohio State’s Martha Morehouse Pavilion, a dimpled-faced, four-month-old coos and lights up with excitement as he is presented with a brightly colored toy. But this bouncing boy is not just playing; he is part of a study to improve early motor skill development in infants at risk for delay.

Jill Heathcock, MPT, PhD, has been conducting research to determine how infants modify their spontaneous movements into purposeful movement, such as reaching and stepping, and how to design treatment programs to improve these skills. The two-year study tests improved grasping ability in 40 preterm babies who have suffered from stroke, each participating in 10 trials. The sample also includes babies under six months of age who have not suffered from a stroke and babies with learning disabilities. During the trials, the baby’s reaching is tested through “chair play” and “floor play.” Progress in grasping ability and interaction with the toy is measured using the Bayley Scale of Infant Development and a growth motor test.

Dr. Heathcock began her research in 2001 at the University of Delaware, where she received her MPT and PhD. Her previous studies have investigated the effects of teaching early gross motor skills to infants at risk for cerebral palsy, and how enhanced sensory input influences lower extremity coordination in infants at risk for cerebral palsy and infants with spina bifida.

From her previous studies, Dr. Heathcock has found that prescribed baby exercises with a certain number of repetitions can improve a functional skill. In her study, published in the October 2009 issue of Physical Therapy (PTJ), she found that “Preterm infants who receive leg movement training display feet-reaching behaviors similar to that of full-term infants.” Her current study aims to test these findings for reaching and grasping abilities. The babies at risk for delay who participate in this study will receive Dr. Heathcock’s proposed treatment of prescribed baby exercises, which can be easily performed at home.

The population that Dr. Heathcock is studying – babies who have suffered from a stroke – are at high risk for developing cerebral palsy later in life. Dr. Heathcock believes that developing early treatments may improve these babies’ motor skills. “It is a population that is defined as a great area of need; there is a 50–50 chance of a child having cerebral palsy if he or she has suffered from a neonatal stroke. Presently, there is a two-year period where these babies are monitored, but not treated. My goal is to find an effective way to treat this at risk group earlier.”

Dr. Heathcock’s research, Training in Infants with Neonatal Stroke, is funded by the Foundation for Physical Therapy. Individuals interested in participating in Dr. Heathcock’s study may contact her via phone at 614-292-2397 or e-mail jill.heathcock@osumc.edu.

Jill Heathcock, MPT, PhD, and DPT student research assistant Jess Lewis in the lab testing motor skill development in an infant who is at risk for cerebral palsy.
STUDENT SERVICE LEARNING –

Extending a Helping Hand

Each year, students from Ohio State’s School of Allied Medical Professions participate in medical missions at home and abroad, using their knowledge, practicing their skills and growing in their professions while helping others.
Finding Solutions: Collaborating in Mexico

The Merida service learning program is a part of an international elective course established by OSU faculty members, Dale Deubler PT, MS, and Anne Kloos, PT, PhD, NCS, in 2007. Formed in partnership with Wheeling Jesuit University, which has ties in Merida through the Misión de Armistad, the program offers students a global experience and strengthens outreach efforts in the area.

“The OSU and Wheeling Jesuit programs send their students to Merida at different times, providing a lot more service for these people in need,” explains faculty member Dale Deubler, PT, MS, one of the lead organizers of Ohio State’s service learning program. “Our collaboration is so successful because we keep the lines of communication open and collaborate together to find solutions for this area.”

During their visit to Merida last winter, the OSU team worked at five different sites within the community. They administered treatments and therapies to patients in local nursing homes, rehab centers, shelters, schools and daycare centers. Students had the chance to use their training to gain practical experience, test their creative thinking skills with limited resources and learn more about an ancient culture.

Occupational therapy student Jess Glenn worked at a homeless shelter and a nursing home. “At the shelter site, we would offer treatments to the patients daily. We taught the exercises that were easy to incorporate into their everyday life. At the nursing home, we practiced treatments and refurbished equipment such as wheelchairs for the center,” recalls Jess.

Glenn put together an exercise group for the residents, using chair yoga, stretching and ball exercises. She and her team produced instructional sheets in Spanish so that they could continue the exercises after their departure, and they appointed one of the residents to be a leader and implemented staff training on exercises and transfers.

Now in its third year, the international elective program is flourishing and bringing a global opportunity to many of SAMP’s students. “It was fascinating to learn about the Mayan culture and to see the great sense of community in Merida. The people we worked with were living with the bare minimum, but still cared so much about one another,” remembers Jess.
WITH 2,000 BEDS and treating approximately 4,400 outpatients each day, most of whom are poor and disad
dvantaged, Vellore’s Christian Medical College (CMC) offers services that include surgical subspecialties,
neonatology, in vitro fertilization, invasive cardiology, bone marrow and kidney transplant, CT, MRI, internal
medicine, pediatrics and obstetrics. The hospital demonstrates its commitment to education by enrolling 80
new medical students each year and training nurses, therapists, pharmacists, laboratory specialists and other health
professionals, as well as hosting visiting students from around the world.

From June 21 through August 17, 2009, Marcy Coonce served at CMC in the physiotherapy department,
which includes eight physiotherapy service departments – an outpatient department of electrotherapy and
gymnasium, and inpatient departments of neurology and orthopedics, medical and surgical wards, acute
PMR, cardiothoracic, and a rehabilitation institute. She worked in the hospital with patients suffering from mus-
cular dystrophy, spinal tuberculosis, spinal cord injuries, femur fractures, Parkinson’s disease, and a variety of
other conditions, and participated in medical community outreach programs sponsored by CMC.

Two of those – the Low-Cost Effective Care Unit (LCECU) and the Community Health and Development
(CHAD) programs – provide much-needed medical services to the impoverished living in and around
Vellore. LCECU has established clinics in the poorest areas of the city, where patients can go to get treatment or, if
necessary, receive home visits from clinical staff. “We checked on a man who had tuberculosis and made sure
that he was taking his medication,” recalls Coonce. “Another man had suffered a spinal cord injury, so we were
teaching him vocational training. It’s up to you to find the resources and to teach the patients exercises for the pro-
grams like LCECU where there is not as much financial assistance provided.”

CHAD focuses on patients from cities surrounding Vellore and provides hospital wards and mobile clinics that travel into rural villages. With little or no income and few resources, these patients would often pay for their services by bartering whatever services or skills they had at their disposal, such as making candles or shoes, recalls Coonce.

(top to bottom) Marcy Coonce in Kumily, India, where she and two other international medical students
stayed with a local family; a group of children in a local village in Vellore where Marcy worked in a diabetes clinic; a wheelchair basketball game for patients with spinal cord injuries or traumatic brain injuries at the Rehabilitation Institute, a satellite campus of the Christian Medical College in Vellore.
Answering the Call: Dispelling Myths in Uganda

Elise Kaufman is using her knowledge and skills to educate those who regard the disabled with fear and distain, and to teach them how to provide needed care.

IN UGANDA, SUFFERING from a disability is looked down upon by most members of society, and treatment is not seen as a priority,” explains Physical Therapy student Elise Kaufman. “There is so much information that we have on disabilities that these people do not have access to. A lot of what I did there was to teach the people simple procedures that we here at home take for granted.”

Simple though it may seem, it is not so simple to change perceptions and misconceptions that have survived generations. Getting that information and training through to Ugandans living in hut communities on the fringes of Kampala, the nation’s capital, where Elise served, was a real challenge. In addition, resources are limited, with only one occupational therapist and a small number of physical therapists to serve the nation’s need.

In several of these outlying communities, Elise, along with a few students from Michigan, Canada and Uganda, trained family members and caregivers in proper and safe transfer methods and exercises that could be practiced every day. Elise recalls, “There was an older gentleman who had suffered from a stroke. I educated his family on different safety measures like transfers and protecting his arm on the side that had been affected.”

In Gulu, a district 332 kilometers north of Kampala, Elise worked with patients in a hospital rehabilitation unit and in a home for disabled children, where she built assistive devices to help children with cerebral palsy perform exercises to increase mobility, and educated parents on how to use general passive stretches that could help their children.

“In Uganda, if your child has a disability, it is looked upon as a consequence of something the parent must have done – the child’s disability is the parent’s punishment for having done something terrible,” comments Elise. Working against that stigma presents a challenge to therapists like Elise, who are trained to heal. Another impediment is the lack of infrastructure to support the disabled. “There are no wheelchairs or paved roads, and it is nearly impossible for them to travel anywhere for treatment,” she explains.

Nevertheless, Elise felt the skills she shared in Uganda could actually improve the quality of life for disabled people there. “It really challenged me to brainstorm and think outside of the box and made me so grateful for what I have.”

Today, Elise is working as a physical therapist at Riverside Methodist Hospital in Columbus, Ohio, and is planning an interdisciplinary program along with an annual mission trip abroad for staff interested in contributing to the global community.

DPT student Elise Kaufman provides physical therapy services to a child with cerebral palsy at Mengo Hospital in the Ugandan capital of Kampala (photo left) and to a woman post-stroke while educating staff on proper care (photo right).
HELPING those at HOME

From class projects to volunteer activities, SAMP students across disciplines are reaching into their communities to help those in need.

Opening Doors in Columbus’ Free Clinic: Imaging the Uninsured

Like other free clinics across the country, the Physician’s Free Clinic in Columbus, Ohio, provides free, one-time care to thousands of underserved patients each year, operating solely on the services of volunteer physicians, nurses, specialists and other health care professionals. Most of its patients do not have health insurance.

JONATHAN MAZAL, BSRT(R)(MR), volunteers his training in radiology to perform diagnostic imaging exams to patients who would otherwise not have access to those services. A graduate student in Ohio State’s Radiologic Sciences and Therapy program, Jonathan is able to aid in making a diagnosis and connect a patient with a social worker the same day to take the next steps in the process.

Along with his work at the Physician’s Free Clinic, Mazal spreads the word about MedWish International, a Cleveland-based nonprofit organization whose mission is to recover and recycle donated medical supplies that area healthcare providers are required to discard. In presentations given at staff meetings in OSU’s radiology departments, Mazal explains what supplies qualify as recyclable so that they may be donated to developing countries in dire need of medical supplies.

Active in many professional groups, including RAD-AID, the World Health Imaging, Telemedicine and Informatics Alliance (WHITIA) and the International Society of Radiographers and Radiological Technologists (ISRRT), Mazal is exploring the international need for radiologic technologists and how to reach underprivileged communities with care, technologies and supplies.

Mazal graduated with honors from OSU’s School of Allied Medical Professions in 2004 with a double major in Radiologic Technology and Humanities. He is currently pursuing a master’s degree in Ohio State’s Radiologic Assistant program, which prepares ARRT-registered and Ohio-licensed radiographers for expanded roles working with a supervising radiologist. When he graduates in the spring of 2011, he will be the second graduate from this relatively new program.

Radiographer Jonathan Mazal (‘04) and fellow alumna Jennifer Rosen (‘05) performing an imaging diagnosis on a patient at the Physician’s Free Clinic in Columbus, Ohio.
Supporting the Agency

7,500 hours – almost a full year of eight-hour workdays; that’s how many service hours students enrolled in SAMP’s health sciences service learning course have given to the community since the course was introduced in 2005.

DEVELOPED BY JILL CLUTTER, PhD, CHES, Health, Wellness and Medical Dietetics, and Georgianna Sergakis, PhD, RRT, Geriatrics and Gerontology track in Health Sciences, the health sciences service learning course gives students the opportunity to learn about teamwork and leadership in a real-world setting while supporting community agencies.

“Beyond the sheer number of service hours, the impact of our students’ service is immeasurable,” says Clutter. “Whether it is creating an interactive Web site to support hospice services, developing resources for families of children with chronic illnesses, or locating support services in underserved areas, our students change lives.”

Students in the service learning course worked with a number of community agencies, including the Arthritis Foundation, YMCA, Goodwill Industries, Senior Home Care, Hospice and Columbus Public Schools. Grouped into consulting teams of four and assigned an agency for the quarter, they worked together to identify a need at the agency, researched and developed possible solutions, presented ideas to the agency and implemented a working program before the quarter’s end.

Senior Anne Hereda and her group developed and taught a three-part class on dementia awareness for the Hilltop YMCA in Columbus. “As a Geriatrics and Gerontology major, I was especially excited about this program,” she says. “With all of the emerging research about healthy aging, both physically and mentally, there is so much information to share that could really help people improve quality of life.” Thirty-five people participated in the program.

Erin Brossia, a Health and Wellness major, coordinated an annual Walkathon for Goodwill Industries. “As the agency’s largest fundraiser, it was imperative that we succeed in our efforts,” notes Erin.

Her team managed the event from start to finish, from choosing the theme to coordinating training sessions and keeping people motivated throughout the initiative.

Both students came out of the experience confident about their ability to solve problems, work within a group and develop practical solutions to complex issues.

“Watching students grow in competence and confidence while serving the community, we couldn’t ask for anything better,” concludes Clutter.

Geriatrics and gerontology major Anne Hereda (top photo, standing left) and her team developed and delivered a course in dementia at a local YMCA, while a health and wellness team led by Erin Brossia (middle photo, top row, center) coordinated an annual walkathon fundraiser for Goodwill Industries.
COLLEEN SPEES, a registered dietitian and PhD candidate in Medical Dietetics, recognized that these intrinsic skills had powerful possibilities for linking them with community agencies. As part of a nutrition education class, Spees charged her computer-savvy students with creating evidence-based health and wellness messages using accessible and portable media (DVDs, laptops, podcasts, etc.) in an engaging, low-cost and entertaining format.

“I didn’t want this just to be an academic exercise,” stresses Spees. “The community really needs accessible and timely information about good nutrition, and our students need experience working in real world environments.”

Accordingly, students were assigned to agencies that serve high-risk populations, such as food banks, free clinics and the Red Cross. Students visited the agencies, researched community needs and assessed target populations before developing health messages tailored to specific client needs and interests. Erica Lovegrove, a senior in Medical Dietetics, worked with the Physician’s Free Clinic to develop a PowerPoint presentation on the virtues of eating more fiber. She says, “While the technical part of the assignment was relatively easy, the challenge came in talking about specific nutrition information in ways that would connect with the patient audience. Working with my agency partners, I developed a five-minute media loop for the patient waiting area that isn’t too wordy and relies on lots of colorful pictures to effectively communicate with patients.”

Spees explains that is part of the class goal. “Our students have great knowledge and skills about technology and evidence-based medicine, but lack direct patient experience; our community colleagues are experts in caring for specific patient populations, but may have limited technology and computer application skills. By bridging this gap, our community colleagues gained a tangible and useful product and our students learned about translating classroom experiences into professional environments.”

Six other students built from a foundation of work Spees and Diane Habash, PhD, RD, LD, had previously completed for the Red Cross. The agency asked students to develop presentations about specific topics the agency needed to share with the community. The resulting presentations were titled “Increasing Iron,” “Overcoming Iron Deficiency,” and “Your Blood Iron before Donation.”

“The students’ completed DVDs add a multimedia approach to donor recruitment at health fairs. The concepts of iron, anemia and blood donation become so much clearer when presented in this format,” states Annie Powell, donor relations coordinator, American Red Cross Blood Services.

The American Dietetic Association recently recognized Ohio State as the Top Innovator in Education at the National Innovations in Practice and Education Showcase. Colleen Spees, CCTS doctoral fellow, MEd, RD, LD; Diane Habash, PhD, RD, LD; and Kay Wolf, PhD, RD, LD, were selected from educators and practitioners across the country for their innovation in developing and successfully implementing Technology Skills of Millennials Applied to Nutrition Education Course Assignment: Computer Savvy Meets Nutrition Education to Transcend the Classroom into the Community.
Rebuilding Lives for the Homeless

For many students, spring break means sunning on some sandy beach or hooking up with hometown friends. For three Allied Med students, it means helping others rebuild lives while learning about their communities and themselves.

FIFTH-YEAR HEALTH INFORMATION and Management Systems student Sachin Sharma and third-year Medical Technology student Kevin Doyle have spent their spring break helping low-income working families to rebuild their homes with other Habitat for Humanity volunteers in cities like Jacksonville and New Orleans and little known places like John’s Island, South Carolina.

Doyle chose Habitat for Humanity because, as he says, “I liked its philosophy of helping people to build something themselves.” While in John’s Island, South Carolina, he helped to build homes for families at three different sites. “In some cases, we were refurbishing the homes; at other times, we were insulating walls, putting up drywall or painting,” he said.

Sharma’s work with Habitat for Humanity included a stint in New Orleans, two years after Hurricane Katrina, and another in Jacksonville, Florida. While learning how to put up siding, roofing and insulation, he got to know some of the families whose homes he was rebuilding. Seeing how much the families appreciated his help made him realize how much one person can make a difference, and how “by working together,” as he says, “we can help change the world.”

In addition to his work with Habitat, Sharma has spent time working as a cook and serving meals at a homeless shelter run by the Inspiration Corporation, a nonprofit organization that provides housing, employment and support services to the homeless in Chicago.

The organization’s goal, explains Sharma, is to provide support and promote self-sufficiency in an environment where individuals can feel respected and retain their dignity. In 2009, the organization placed 107 long-time homeless individuals and families into subsidized apartments and 126 men and women into jobs.

CAROLINE MARRA has also given of her time serving the homeless. Passing homeless people on her way to church in her hometown of Pittsburgh, PA, she often wondered why her fellow parishioners would involve themselves in missions around the world but showed little or no interest in helping those in their own back yard. So, with guidance from her youth group leader, Marra created the Youth Outreach Council to engage young people at the church to serve Pittsburgh’s most vulnerable people.

Today, six years later, when Marra returns home for spring break, she plunges right back into coordinating council activities, collecting donations, and serving food at a shelter for homeless men. “Most of these men are just like anyone else,” says Marra, a third-year Medical Technology student at Ohio State. “They have just fallen on hard times for one reason or another.”
Working through the Organization

Athletic Training Club members Caroline Lewis and Alana King have been organizing students in volunteer efforts that range from a food drive for the homeless in Columbus to a school supplies collection for children in Iraq.

IT’S THE SPIRIT of competition that rallies Athletic Training students around community service, according to Caroline Lewis, a graduating senior in the Athletic Training Division. As president of the Athletic Training Club (ATC), Lewis has helped the group identify overlooked service learning opportunities. In the past year, the ATC has used its enthusiasm for beating previous goals to organize students around several new community service projects, including a Thanksgiving food drive that collected 700 cans of food to donate to the Homeless Families Foundation, a school supplies collection that sent needed materials to school-age children in Iraq, and a “dress drive” that collected more than 100 previously worn prom dresses to underserved girls in the Columbus area.

“The issues that get less attention are the ones we’ve tried to address,” Lewis says. The dress drive idea started when several students were talking about the prom dresses that were just sitting in their closets at home. The group found an organization in Columbus called Fairy Goodmothers that gives donated prom dresses to girls with limited means.

Alana King, a junior in the second year of the Athletic Training program, feels participating in the ATC outreach programs has broadened her understanding of the world around her. Much as her clinical field experience with the Columbus Crew has helped her learn how to be the “first line of defense” for athletes, she says she’s learned how her role in service outreach can be a powerful “first line” of action that can make a difference in someone’s life. Acting on an observation from fellow classmates who had served in Iraq, club members got the idea to conduct a drive for school supplies to send to children in those war-torn villages.

The ATC continues several other long-standing and popular service outreach efforts, including the annual Easter egg hunt at Sullivant Elementary School, Christmas caroling at the James Cancer Hospital and the 24-hour Relay for Life walk to raise money for the American Cancer Society. Associate Professor and Clinical Coordinator Laura Harris, PhD, ATC, says the outreach activities help the students become well-rounded individuals and practitioners in the field. “The students are really driving this activity,” says Harris, a founding adviser to the club, “and they’re increasing people’s awareness of how everyone can have an impact on their community.”
Championing the Champ Campers

Respiratory Therapy student Melissa Frasure is one of many students and alumni who each year serve as volunteer counselors at Champ Camp, a weeklong summer camp for children and adolescents with tracheostomies and those who require respiratory assistance.

**CAN YOU IMAGINE** children who have to wear a tracheostomy or ventilator just to breathe camping, hiking, canoeing and horseback riding at summer camp? That’s how “Champ Camp” campers have been camping every summer for nearly 20 years with the help of trained professionals—respiratory therapists, doctors, nurses, and physical and occupational therapists—at their sides.

Respiratory therapy senior Melissa Frasure was one of six SAMP students and seven SAMP alumni to serve as Champ Camp counselors last summer. For one week, Frasure bunked with the campers in order to monitor and provide medical interventions during the night and awoke each morning to outfit her charges with ventilators and trachs, administer vest treatments for clearing their lungs, and generally make sure they would be able to breathe properly before joining the other campers with similar challenges.

Their respiratory conditions, challenging as they may be in terms of inhibiting activity and movement, are generally not the worst of the problems for these children. In fact, they are usually the result of other serious conditions, diseases and physical challenges.

“Kids come to camp with a variety of conditions, including muscular dystrophy, cerebral palsy, and spinal muscular atrophy, which result in respiratory problems and difficulty swallowing. Some have scoliosis of the spine and quadriplegia,” explains Melissa.

But that doesn’t stop them from venturing out and having a good time. With specially adapted equipment and activities, Champ Camp provides these children with opportunities for fishing, pontoon boating, canoeing, creative arts, swimming, horseback riding, nature and stream study, tent camping, and photography. There is also a 60-foot tower that simulates what they call “alpine climbing.” Willing participants are fastened into a climbing stretcher and hoisted up the side of the 60-foot tower for a view that would make a seasoned athletic feel queasy. “These kids love it,” exclaims Melissa. “They are fearless.”

With an average of 2.5 counselors assigned to each camper, the children are guaranteed a good mix of caring and sharing. “We try to give the campers room to experience their environment in their own way and at their own speed and, most importantly, within safe bounds,” says Melissa. “The goal is to help them learn to build faith in themselves and trust others.”

Located in Ashley, Ohio, just north of Columbus, Champ Camp Inc. is a non-profit, private organization begun in 1991 by David Carter and Nancy McCurdy. It is one of only a few such programs in the nation to offer camping opportunities for youth “living on a ventilator.”

For more information about Champ Camp, visit http://www.champcamp.org/about/story.html.
Tiffin, Ohio based P.T. Services Rehabilitation, Inc. has launched a five-year effort to support scholarships for Ohio State students enrolled in the DPT program.

The scholarship fund was initiated by State PT alumnus Mike Herbert, president of the company, to assist students in their professional training. The PT students who received awards in 2009 were Elise Bertke, Megan Martin, and Sarah Poling. The 2010 scholarship awardees are Erica Bruggeman, Katherine Egbert, and Preston Stoller.

P.T. Services Rehabilitation, Inc. is a private practice group with clinics and service offices throughout Northwest Ohio, Southern Michigan, and Eastern Iowa. It was founded in 1972 by a group of Ohio State Physical Therapy graduates. Currently, 14 Ohio State alumni in allied health work for the company.

“P.T. Services values the strong academic program at Ohio State and the capabilities of its graduates,” said Mark S. Somodi, executive director of the company. “We have supported the rehab industry in Ohio for many years and our business and employees actively support their alma maters through clinical affiliations and financial support,” Somodi added.

“The management team of P.T. Service Rehab wanted to support Ohio State’s Physical Therapy through a special scholarship that supports those individuals who are interested in pursuing their profession in our company’s geographic service area,” Somodi said.

The company also values building partnerships with PT degree programs because it strengthens the profession and offers opportunities for students to be mentored within the private practice setting, he said.

According to scholarship recipient and third-year student Elise Bertke, the funds were a significant help in meeting school costs during her clinical rotations. “It is the support of generous donors who make it possible for students like me to succeed in this program,” Bertke said. “I was not able to work part-time during my clinical experiences, so the scholarship was incredibly helpful.”

For Megan Martin, the scholarship was also key to her school success. “The scholarship helped me focus on pursuing my goals in Physical Therapy with less financial burden and I am truly grateful,” Martin said. “I hope that one day I am able to return the favor for future Physical Therapy students.”

Deborah Givens, director of the division of Physical Therapy, notes that scholarship support from successful alumni who have established private practices is immensely important for the program and its students. “We are fortunate to have wonderful alumni who have built tremendous practices and we celebrate their generosity and willingness to pay forward to advance our program and help our students.”
Wallace Family Creates Scholarship for Physical Therapy

Advocate, educator, clinician, innovator, mentor, and friend. No one who met Lynn Wallace within or outside the Physical Therapy and athletic training community could miss the passion and devotion he held for his profession. It was a 37-year commitment that took him from the sidelines of Ohio State football to the creation of a private practice that blended his special talents and love for athletics and physical therapy.

His fearlessness, independence and persistence shaped his career and carried him through a six year battle with cancer that ended in 2009. Those who knew him best could always recall his philosophy to “pay forward, work harder than anyone else, put patients first, and if you can’t answer a question, find an answer.”

To honor his legacy, career, and life-long support for education, the Wallace family, led by his wife Diane Tuuri and daughters Emily Wallace and Kate Snyder, have established the Lynn Allen Wallace Scholarship Fund in Sports Physical Therapy at Ohio State. Approved by the Board of Trustees in May, the endowed scholarship will be used to support students with a career interest in sports physical therapy.

When he arrived on the Ohio State campus as a freshman in 1966, he was intent on obtaining dual certifications in athletic training and physical therapy at a time when the specialties were not closely aligned. He traversed the split loyalties of the diverse disciplines and earned a BS in Health Education in 1971, and a certificate in PT in 1972 from Ohio State. He later obtained a MS from Case Western Reserve in 1977 and a PhD from Columbia Pacific University in 1991. He selected Ohio State as an undergrad because he was advised he would have a broader experience. The advice proved true, as he trained under Ernie Biggs, the head athletic trainer, and served the Woody Hayes football program during two trips to the Rose Bowl in 1969 and 1971.

“Ernie Biggs, Coach Hayes, and PT faculty Frank Pierson and John Chidley were chief influences those first four years on his independence, optimism, and work ethic,” recalled his wife Diane Tuuri. “When it came to education, he believed you can never get enough and you can never give enough.”

After leaving Ohio State, he served as an athletic trainer and therapist at the University of Iowa. He later started the sports medicine program at Rainbow Babies and Children’s Hospital and Case Western Reserve University in Cleveland and entered private practice in 1977 at Western Reserve Therapy. He founded his own practice in 1985, Ohio Physical Therapy and Sports Medicine Inc. in Cleveland. He developed a post graduate fellowship for sports physical therapy and trained national leaders in the field, including Gordon Eiland, Steve Hoffman, Dolph Woodall, and Bob Tank.

While much of his passion was athletic training, the time was right to steer the focus of his scholarship to sports physical therapy, now established nationally as a specialty and thriving, thanks to Lynn,” noted Tuuri.

“He would be proud that a scholarship bearing his name is like planting a seed with no guarantee or preordained outcome, but where the combination of financial support and the talent of an individual might yield great things,” she added. “He was an optimist with a capital “O” and the driving passion of his life’s work traces back to his years at Ohio State, the best six years and five summers of his life.”

For more information about these gifts or additional giving opportunities, please contact Julie Conry, Medical Center Development, at (614) 366-0229 or julie.conry@osumc.edu, or visit www.giveto.osu.edu/index.asp.
Woody Hayes emphasized how important it is for us to “pay forward.” He believed the great education we received at Ohio State provided us with the ability to pay forward for the rest of our lives. As a board member of the School of Allied Medical Professions Alumni Society for the past five years, I have had the privilege to serve and interact with alumni who pay forward in appreciation for the place that prepared them for their careers.

In 2010, the SAMP Alumni Society hopes to establish more events and programming to engage alumni and students. We encourage our alumni to provide insight on how we can continue to grow and improve the Society, and how we interact with our members. I would like to extend an invitation to alumni who are interested in serving on the board, or on a committee of the board, to contact us through our Web site, http://sampalumni.clubexpress.com/, and attend one of our upcoming meetings to experience what we are about and what we are planning for the future.

Thanks to contributions from many sources, including the generosity of SAMP alumni, a deserving student will soon receive the first SAMP Alumni Society Scholarship. We ask that you continue to support our scholarship endowment fund by participating in the SAMP Golf Outing on August 7, and attending our tailgating event, Bucks, Brew and Barbeque, during OSU Alumni Weekend. Please continue to visit our Web site, or visit us on Facebook, to access current information on SAMP alumni events, apply for membership in the SAMP Alumni Society, or purchase raffle tickets for a chance to purchase a pair of tickets to any of this year’s home football games.

In closing, I’d like to thank our alumni who have remained committed to paying forward through the SAMP Alumni Society. We look forward to seeing familiar faces and welcoming new society members at upcoming alumni events. I hope that these experiences will lead to renewed and lasting friendships.

Thank you for your support,

Timothy P Clouse
President, School of Allied Medical Professions Alumni Society
For Charles Gulas (PT ’76), PhD, GCS, riveting blog posts each day from Hospital Albert Schweitzer in Deschapelles, Haiti, became a way to update concerned colleagues following the nation’s devastating January 12 earthquake.

Now dean of the School of Health Professions at Maryville University in St. Louis, Gulas has served the hospital for the past two years through Health Volunteers Overseas. On a brief sabbatical from Maryville, he was helping to educate six students at the beginning of a nine-month rehabilitation technician training program when the earthquake struck.

One night later, the 60-bed hospital staff had organized presurgical triage in the emergency room, observation area, hallways, outpatient areas and put mats on the floor to stabilize more than 200 traumatic injury patients. At one point, Hospital Albert Schweitzer technicians matched 500 X-rays in a 24-hour period.

“We had families delivering hundreds of patients to us on trucks and by bus from Port-au-Prince,” Gulas said. “The patients we saw were the more stable ones because they had to withstand a two-hour ride from the city.”

To the hospital’s benefit was the fact that, in August 2009, its first physical therapist, David Charles, was hired to run a PT unit with three rehabilitation technicians whom Gulas had helped educate the year before. The earthquake-initiated injuries they were stabilizing before surgery, including fractured and crushed limbs, spinal cord injuries, amputations and even brain injury, became complicated due to shortening supplies.

“We have learned to be very creative with makeshift equipment, given that we are out of small crutches, immobilizers and splints,” Gulas posted in his January 16 blog, part of a series found at http://drgulas.com. “I think I am now an expert with cardboard and ace bandages. Although the pictures tend to show mostly crutch walking, we are also doing quite a bit of exercise.”

The emotions within the hospital were equal parts heartbreak and inspiration, he said. While incredibly proud of the manner in which his current and former students engaged patients with range-of-motion exercises, gaiting training and other treatments, he was struck by the medical realities his patients will face for years to come. Healing Hands for Haiti, a Port-au-Prince clinic with a prosthetic unit where Gulas served in 2007, his first year in Haiti, was leveled by the earthquake.

“How do you tell a 13-year-old girl that she may never have a prosthesis for her right leg?” he noted in his blog.

Through it all, Gulas said he plans to go back to Hospital Albert Schweitzer by January 2011, if not sooner. He enjoys working with his health volunteer colleagues, including Denise English, PT, the program director of the rehabilitation technician training.

Hospital Albert Schweitzer is in dire need of donor funds to increase its rehabilitation services with a prosthetic clinic, while expanding its operating rooms, Gulas reported. Donations may be sent to www.hashaiti.org, or www.friendsofhas.org.

In addition to his physical therapy certificate from Ohio State, Gulas earned a bachelor’s in psychology and biology from Hiram College, a master’s in education from Maryville University and his doctorate in higher educational administration from St. Louis University.
2009 YEAR IN REVIEW

Bucks, Brew and Barbeque

The 2009 Bucks, Brew and Barbeque saw the return of more than 100 SAMP alumni, family and friends to campus last fall to participate in a silent auction and a cornhole tournament, as well as to hear a pregame speech by former OSU football star, two-time Heisman Trophy winner Archie Griffin. The event provided an excellent tailgate experience for all, with good music, large-screen projection of the game, and catering provided by City Barbecue.

2009 SAMP Alumni Society Golf Outing

The 2009 SAMP Alumni Golf Outing to benefit the scholarship fund had beautiful weather and an excellent course at Bent Tree Golf Course in Sunbury, Ohio. After lunch, the first three games of the football ticket raffle were drawn, prizes distributed to the participants and trophies awarded to the winning foursome. The 2009 winning team included Kristen Bach, Mindy Hunter, Brian Raike and Steve Lewis.

Thanks to the following 2009 Golf Outing Sponsors:

**ELITE EVENT SPONSOR ($1000)**
Physical Therapy Consultative Services

**EVENT SPONSORS ($500+)**
Nationwide Children’s Hospital
Ohio Healthcare Federal Credit Union
Ohio State’s Comprehensive Cancer Center – The James Cancer Hospital and Solove Research Institute
The Ohio State University Medical Center
SAMP Alumni Society

**CONTEST SPONSORS ($100)**
Cleverley + Associates - Closest to Pin
OhioHealth - Longest Putt
LIQUIDDESIGN - Longest Drive
Liberty Mutual – Hole-in-One

**HOLE SPONSORS ($50)**
Elite Detailing Services
OHIMA
Ohio Medical Physics Consulting, LLC

Door Prizes
Arena Grand Theater, The Buckeye Corner, The Champs Cold Stone Creamery Columbus Crew Columbus Zoo The James Cancer Hospital LIQUIDDESIGN Pei Wei Asian Diner – Sawmill OSU Medical Center, The SAMP Alumni Society The Scarlet Ribbon Gift Shop

Other Supporters:
All American Awards – trophies LIQUID DESIGN – golf balls Resch’s Bakery – breakfast items

Special Thanks to our volunteers who made this day possible: Brad Locke, Deborah Larsen, Tim Clouse, Valarie Hannahs, Julie Conry, Kristin Liggett, Lindsay Heil, Jen Morgenstern, Liz Crabill, and Katrina Dailey

Alumni on Facebook

More than 200 alumni have joined the OSU SAMP Alumni group on Facebook. The site contains postings of past, current and future event information and photos. Alumni interested in joining should first sign up for a Facebook account and connect to “OSU SAMP Alumni.”
ALUMNI ASSOCIATION TICKET LOTTERY PROCESS FOR 2010

Anyone who is an active dues-paying member of the Association as of March 1 and applies by May 31 will be entered into a random ticket lottery. The Alumni Association is no longer using an alphabet break system to determine your specific game eligibility, and games are no longer pre-assigned. The Athletics Ticket Office is also no longer using the “consecutive years” criteria to determine ticket priority. Names and games will be drawn randomly from all of the member ticket applications. There will be no special lottery for the Michigan game, and tickets to that game will be included in the random lottery along with all of the other home games. Additional information on the Alumni Association’s ticket policy changes is available at www.ohiostatealumni.org/newscenter/football08.php.

Alumni cannot be awarded tickets through the Alumni Association and Alumni Society for the same game.

2010 FOOTBALL SEASON SCHEDULE

(Start time to be announced)

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<td>Saturday, September 18</td>
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New FOR 2010

First Society Scholarships Awarded

Two students have been named to receive scholarships from the newly-endowed SAMP Alumni Society Scholarship Fund. Mary Secor, a junior in the HIMS program, and Jesse Cook, a graduate student in the Occupational Therapy program, are the first recipients of the fund, which became fully endowed last year, thanks to contributions from alumni and friends of the School.

SAMP Connect Links Students with Alumni

For graduates to excel in the rapidly changing field of allied medicine, it is important for them to have not only a strong classroom foundation, but also practical guidance from those who are established in the industry. SAMP Connect, a new student organization created by HIMS juniors Allison Spara and Manjursi (MJ) Nguyen, brings together HIMS students with alumni professionals in their field for some practical advice on industry trends and career paths, as well as to develop and cultivate a professional network. The new program closes the gap between what is learned in the classroom and how that knowledge can be used to build a career. For more information about SAMP Connect, contact Allison Spara at spara.2@osu.edu.

Locke Receives OAA Award

Brad Locke (’01, RT) was chosen to receive a 2009 OSU Alumni Association Outstanding Society Leader Award. During his two years as treasurer of the School of Allied Medical Professions Alumni Society Board, Brad has managed the society’s finances, grown membership, initiated web development, and enhanced communications with both members and non-members. Brad’s contributions are most appreciated.

2010 – 2011 Calendar of Events

2010 SAMP Alumni Scholarship Golf Outing
Saturday, August 7, 2010
Bent Tree Golf Club
350 Bent Tree Road,
Sunbury, Ohio
Start Time: 8:15 a.m.

• Cost: $100 (Includes green fees, cart fee, cookout buffet and beverage tickets)
• Door prizes and tournament prizes provided
• Host: OSU Great, two-time Heisman Trophy winner Archie Griffin
• Sponsorships are available. Please contact Lauree Handlon at handlon.1@osu.edu, if you are interested in providing financial support or in donating items for door prizes.

2010 Bucks, Brew and Barbeque
Scheduled for OSU Alumni Reunion Weekend - Saturday, September 11, 2010

• OSU vs. Miami – Game time 3:40 p.m.
• Catering by City Barbeque
• Silent auction of OSU merchandise and memorabilia
• Cornhole tournament
• Limited tickets available.
• Contact SAMP Alumni society at sas@osumc.edu.

2011 Student – Alumni Hockey Event
February 2011
Date and game to be announced

“Dinner for 12 Strangers” – Student-Alumni Mentoring Program
Date and Times TBA

Out-To-Eat Night
Fall event to be announced

For more details about upcoming events, visit http://sampalumni.clubexpress.com/
2009-2010 SAMP ALUMNI SOCIETY BOARD

Timothy P. Clouse
President
Health Sciences, 2005
Senior Physician Informatics Analyst
Mount Carmel Health System

Matt Ridley
President-Elect
Health Sciences, 2005
Director of Customer Service
Memorial Hospital of Union County

Brad Locke
Treasurer
Respiratory Therapy, 2001
Respiratory Therapist
Doctors and Riverside Methodist Hospitals

Lauree (Ring) Handlon, MS, RHIA, CCS, CPC-H
Treasurer-Elect
HIMS, 2000
Data Quality and Reimbursement Consultant
Cleverley + Associates

Kristin Liggett, RHIA
Secretary
HIMS, 2003
Assistant Director - Medical Information Management
Ohio State University Hospital East

Jerimee Graham, RHIA
HIMS, 2007
Manager
The Ohio State University Medical Center

Lindsey Heil, RHIA
HIMS, 2006
Charge Master Analyst
The Ohio State University Medical Center

Jennifer Morgenstern
Health Sciences, 2007
Graduate Student
The Ohio State University College of Nursing

Katrina Dailey
HIMS, 2008
Team Manager of File Services and Document Imaging
The Ohio State University Medical Center

Curt Shondell
Physical Therapy, 2004
Physical Therapist
Ohio Therapy Institute at The Ohio Orthopedic Center of Excellence
The Ohio State University
School of Allied Medical Professions
Alumni Society
127 Atwell Hall
453 W. 10th Avenue
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