



# In Vivo

INTEGRATING MEDICINE, SCIENCE, AND EXERCISE

## Department of Human Physiology

Dr. Stan James presents the lecture, "Tendon, Normal and Pathological Function," using Virage streaming-video technology. On the left is a single frame of the video presentation with user-accessible keywords. On the right is one of the PowerPoint slides. To access the complete lecture, refer to article.

### "In the Living!"

*In Vivo* or "in the living" connotes a focus common to those who study the science of exercise and human movement; hence, it is the title of the Department of Human Physiology alumni newsletter. Our goals for *In Vivo* are to:

- Honor the department's past
- Acquaint department alumni with current student and faculty member successes
- Highlight new and exciting directions
- Provide opportunities for alumni to communicate with the department.

### Haven't received prior issues of *In Vivo*?

If you have not received prior issues of *In Vivo* (fall 2004, spring and fall 2005) and wish to acquire a copy, please let us know via e-mail, [hphy@uoregon.edu](mailto:hphy@uoregon.edu), or regular mail, Department of Human Physiology, 1240 University of Oregon, Eugene OR 97403-1240, or phone (541) 346-5430. We will send one to you right away!

### Connect to the Department!

Be sure to log on to the Department of Human Physiology Alumni Website. You can access past issues of *In Vivo* as well as learn about department events and highlights. Go to <http://www.uoregon.edu/~hphy>, select your browser (Explorer, Netscape, or Safari), and then click on "Alumni" in the lower left-hand column.

We value your comments and encourage you to communicate with us through e-mail at [hphy@uoregon.edu](mailto:hphy@uoregon.edu) or regular mail at Department of Human Physiology, 1240 University of Oregon, Eugene OR 97403-1240.

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### Department Incorporates New Teaching Technologies

The Department of Human Physiology has been at the forefront of the University of Oregon in the development of new teaching technologies. In recent years, the use of online tools for instructional delivery has increased dramatically and these tools are now an integral part of virtually all department courses. Two such technologies with great potential are rapidly gaining a foothold. They are "streaming media" and a related but more sophisticated approach to streaming that uses the commercial software Virage.

Audio-video streaming permits instructional material such as live laboratory demonstrations and clinical exam techniques to be filmed, stored in their entirety, and made available for student use on-demand via the Internet. Thus, prior to coming to class, students can study experimental protocols they will be expected to conduct later in the laboratory. The result is that more time can be given to hands-on instruction. An example of this particular technology, developed by human physiology student Eric Sorenson and graduate athletic training students, is ready for your viewing at <http://www.uoregon.edu/~hphy/alumni.htm> (go to "Streaming Video"). Check it out!

The other streaming media approach uses the newly developed, integrated software by Virage, Inc. This software can process and store text, voice, and video data from a formal lecture class, and identify its main concepts. Our instructors and students are utilizing this program, a tool popular in business, to bring physiology instruction into the virtual world. In university classes, faculty lectures are typically accompanied by PowerPoint slide presentations

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### Greetings from the Department Head

Throughout the last year, it has been a privilege to inform you about the ongoing reconstruction of our department and the myriad changes that have occurred. The depth of the support that some of you have sent our way has been gratifying. It was particularly enjoyable for me personally to trade e-mails and phone calls with various alumni during the last few months. In addition, I am humbled by the fact that charitable giving from our alumni and friends has tripled this past year.

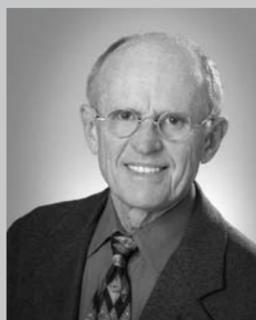
By any measure of productivity, the Department of Human Physiology is clearly being established as one of the primary gateways at the UO for undergraduates to enter health science professions. Our "exercise and wellness" approach to preparation for these fields continues to resonate with students, as the number of students declaring human physiology as their major has steadily increased well beyond the 400 mark.

Progress is also being made on the initiative to bring medical students to the Eugene campus (see *In Vivo*, spring 2005). Committees on curriculum and space allocation are organized and, by the time you receive this issue of *In Vivo*, a major meeting with Oregon Health & Science University, Peace Health, and the UO will have taken place to determine the viability of the concept. If an operational plan does indeed emerge from this meeting, the department will be one of the key players in offering course work for future physicians.

Despite our recent success, problems have emerged from our expanded enrollment. Required classes that historically had enrollments of fifty now have more than 100, and new classes designed for thirty have also broken

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### Distinguished Department Colleague to Receive Iowa Medical College Honor



Stanley L. James, M.D., has been selected to receive the University of Iowa (UI) Carver College of Medicine 2006 Distinguished Alumnus Award for Achievement. The award is the highest honor bestowed upon UI medical college alumni and recognizes those who have transcended their fundamental roles as health care providers, scientists, and educators to become influential participants in the advancement of the art and science of medicine.

Dr. James' commitment and contributions to basic and clinical research have established him as one of the most highly regarded experts in orthopedic sports medicine over the past thirty five years. After moving to Eugene, in 1967, Dr. James received an academic appointment to the Department of Physical Education at the UO. His interest in running injuries led him to collaborate with his orthopedist colleague,

the late Donald Slocum M.D., and Cliff Brubaker, Ph.D. '68, of the University of Oregon in publishing a number of papers that are still considered to be the most definitive works on the biomechanics of running. These early works, along with his papers on knee reconstruction, brought Dr. James to the forefront of the emerging sports medicine specialty. He was a major influence in establishing the Biomechanics-Sports Medicine Laboratory in the department and for more than three decades collaborated with colleagues on numerous studies examining lower extremity function, particularly as related to mechanisms of injury. He was, and still is, a highly valued mentor to young faculty members in the department and to numerous graduate students, many of whom are now productive scholars at various universities.

Dr. James has been an insightful and prolific contributor to understanding the prevention, mechanisms, and treatment of acute and chronic orthopedic injury. The vast respect he enjoys from his orthopedist colleagues worldwide, former fellows, and innumerable research associates is a testament to a truly distinguished medical career.

Congratulations, Dr. Stan James!

## DEPARTMENT NEWS

### *Newberg Award Funds Sports Medicine Research*

Tom Newberg '84, M.S. '86, recently was honored for twenty-five years of service to the Professional Baseball Athletic Trainers Society (PBATS). The honor included a \$1,000 award that Newberg graciously donated to the department to fund research in sports medicine. Newberg is a veteran athletic trainer with the Seattle Mariners baseball club. The recipient of this award is master's degree student Eric Sorenson who is studying omega-3 supplementation and inflammation associated with athletic injury.

### *Slocum Orthopaedic Foundation Provides Critical Support for Department Research*

The Research Committee of the Donald Slocum Orthopaedic Foundation has been an invaluable resource for department students and faculty members engaged in orthopedic research. The committee, composed of surgeons from Eugene's Orthopedics Northwest, provides counsel, critiques, and subject referrals for studies involving patient populations. Current doctoral and master's degree students David Mandeville and Virginia Klausmeier, who are conducting longitudinal studies on total knee and total hip replacements, and doctoral student David Suprak, who is investigating shoulder instability, have benefited greatly from the collaboration provided by this group of experienced and highly regarded physicians.

### *Department Students Awarded College of Arts and Sciences Scholarships*

Three human physiology students were 2005–6 recipients of scholarships awarded through the College of Arts and Sciences. Graduate student David Suprak was one of three UO students to receive a Mary Chambers Brockelbank scholarship which is awarded to outstanding students. The Henry V. Howe Scholarship was received by undergraduate Alex DeHaan. This scholarship is awarded each year to one male and one female UO student in the natural sciences. Graduate student Jessica Meendering was one of five recipients of the Everett Del Monte Scholarship, which is awarded to UO students who have demonstrated outstanding academic progress and who will benefit greatly from financial assistance. Congratulations, David, Alex, and Jessica!

### *Local Physicians Bring Teaching Expertise to Department*

If it becomes a reality, the creation of a medical school on the UO campus will require some members of the Eugene-Springfield medical community to add the title "professor" to their résumés. Vern Katz, M.D., a Eugene perinatologist, and vascular surgeon Andy Bourne, M.D., recently worked with Chris Minson to create a new course that meets the needs of students headed for the medical professions. The course, Integrative Endocrinology, has proved to be in great demand as some 110 students enrolled in the class the first term it was offered. According to Katz, "Teaching is incredibly rewarding at any level, but at the collegiate level it is the most valuable and the most fun. That is why I do it." Bourne adds, "Although I chose not to pursue an academic medical career, the collaboration with the University of Oregon allows me to realize that promise to myself and to interact with dynamic and thought-provoking students."



### ALUMNA PROFILE: *Mary Ann Carmack*

It is with great pleasure that the Department of Human Physiology recognizes Dr. Mary Ann Carmack as a distinguished alumna. Carmack received her Ph.D. degree in physical education from the University of Oregon in 1984 under the mentorship of Eugene Evonuk and then went on to medical school at the University of Chicago. Her Ph.D. research addressed immunomodulating effects of exercise and laid a foundation for her later postdoctoral research at Stanford University that focused on immune responses to viral infections. Before beginning graduate studies at the University of Oregon, Carmack earned her bachelor of science and master of science degrees in physical education at the University of Illinois in 1973 and 1978, respectively. Between those degrees, she taught physical education in a country town in Victoria, Australia. "Those years were among the most rewarding of my life," says Carmack.

While still undertaking Ph.D. studies at the UO and at the urging of a local Eugene physician, Carmack began her pursuit of a medical career. As she recalls, "I embarked upon a twelve-month whirlwind of undergraduate pre-med coursework in physics, chemistry, and biology while simultaneously working on my dissertation research. Somehow, it all came together, and within a month of defending my dissertation, I began my medical studies (University of Chicago) at the relatively advanced age of thirty-three years." Residency training in pediatrics ensued at Stanford University followed by a postdoctoral fellowship in pediatric infectious diseases, also at Stanford.

Carmack is currently in her tenth year as a member of the Department of Pediatrics at the Palo Alto Medical Clinic in Palo Alto, California, where she practices general pediatrics, is a consultant in pediatric infectious diseases, and has served as department chair for the past three years. She is also an adjunct clinical faculty member in the Department of Pediatrics at Stanford University and served as president of the medical staff at Lucile Packard Children's Hospital at Stanford from 2002 to 2004. Carmack and her colleagues collaborate with the faculty at Stanford to conduct studies on childhood vaccines. She comments, "In retrospect, I cannot imagine a better preparation for a career in primary care medicine than the one provided by my varied studies in what was then termed 'physical education.'"

Carmack keeps alive the memory of her mentor, Professor Evonuk, through her membership on the selection committee of the Eugene and Clarissa Evonuk Memorial Graduate Fellowship, a position she has held since its inception. "It is humbling and inspiring that single individuals can make a profound difference in our lives," says Carmack. "In some small way, I try to repay the debt by making a difference for the students and residents I currently teach at Stanford, and for the students who apply for the Eugene and Clarissa Evonuk Memorial Graduate Fellowship. I believe we all have an obligation to continue the legacy and repay our good fortune by mentoring those who follow in our footsteps."

Dr. Carmack resides in Menlo Park, California, with her husband, Rod Derbyshire.



### FACULTY PROFILE: *Richard K. Troxel*

Richard K. Troxel has been a department faculty member for nearly thirty years. During that period he has taught, treated, nurtured, and guided thousands of undergraduate and graduate students. A native Eugenean, Troxel completed his B.S. and M.S. degrees at the UO in health education and health and physical education in 1975 and 1977.

He began his career as the first head athletic trainer for women at the UO in 1976, a time when women's intercollegiate athletics were part of the academic program. In this capacity Troxel was responsible for coordinating the medical care for the burgeoning women's athletic program and for teaching undergraduate and graduate classes in sports medicine. After men's and women's intercollegiate athletics merged in 1980, Troxel moved to a full-time teaching position in the department and soon became a senior instructor.

In 1986, he took the reins of the Graduate Athletic Training Program (GATP) and guided it to become one of the premier sports medicine programs in the United States. Under Troxel's leadership, the GATP developed to generate some \$200,000 per year for graduate student support. The program has attracted students from across the United States and abroad, and hundreds of UO graduate athletic training alumni are now serving in clinical and academic positions around the world. Troxel appreciates the relationships that have been established from his work at the UO. "I cherish my colleagues, students, and the many friends from around the world that I have been associated with during my career in the department."

Troxel has been a leader in the teaching technology revolution and, in recent years, has integrated some of the most sophisticated technologies available into his classrooms. In this area, he has been a valuable resource to students and faculty members in the department and across campus. While appreciating the promise of technology, Troxel still values traditional teaching techniques and says, "Technology has been an important addition to the teaching environment, but will never replace face-to-face interaction with students. When I came here in 1971 as a freshman, I had no idea I would have the privilege of someday being a member of the faculty and following my passion—teaching."



### *Broekhoff Graduate Scholarship Achieves Milestone*

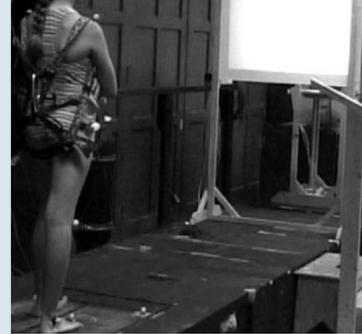
It has been nine years since the Broekhoff Graduate Scholarship was originally conceived by UO alumnus Jin-Jong Quek of Singapore, several of his colleagues, and Broekhoff's wife, Marna. The scholarship was created in the name of Jan Broekhoff because many who knew him desired to preserve his memory and the legacy of his work. The scholarship has grown steadily, and due to many donors, the endowment has reached \$50,000. The fund provides competitive scholarships each year to deserving students of the Department of Human Physiology.

Broekhoff, who died in 1991, was the last dean of the former College of Human Development and Performance, in which this department then resided. He was a prolific scholar and respected worldwide for his work in exercise and physical growth of children. Admired by colleagues and students alike, Broekhoff was especially revered by his many international graduate students, who could always look to him for help and inspiration. When the scholarship was first established, Quek wrote to his friends and past schoolmates: "Dr. Broekhoff, a scholar and a gentleman, has impressed me tremendously as a person who cared for international students. I was one of those whose lives have been touched when in Eugene. He had given much of his life to [the] UO and this appeal is worthy of your support."

Quek is currently the academic dean of the National Institute of Education in Singapore and is an associate professor in physical education and sports science at Nanyang Technological University, also in Singapore. He is also honorary director of the UO International Institute for Sport and Human Performance, a board member of the International Institute of Health Promotion at American University, Washington, D.C., and a fellow of the Association International des Ecoles Supérieures d'Éducation Physique.

## Motor Control Lab Focuses on Cerebral Palsy

One of the developmental disorders that affect many children in countries around the world is cerebral palsy (CP). Children with CP have many problems with the development of motor skills, including standing and walking, and show a high incidence of falls compared to their typically developing peers. In the department's motor control laboratory, Marjorie Woollacott is examining nervous system contributions to balance and gait problems in CP children and new therapies that can be used to alleviate these problems.



Subject engaged in cerebral palsy study.

Woollacott, in collaboration with Anne Shumway-Cook and her colleagues at the University of Washington, has shown that training CP children to recover from gentle slips while standing in a safety harness can improve their balance significantly and that this improved balance is retained for at least one month after training. A recent four-year grant of \$1,181,975 from the National Institutes of Health to Woollacott and her department colleague, Paul van Donkelaar, is supporting laboratory research on attentional mechanisms contributing to balance in CP. In this study, the balance of children with CP and age-matched peers is assessed while they simultaneously perform a second task. Such a situation is often found in daily activities. For example, children may need to watch for traffic as they cross a street. Former graduate student Dinah Reilly, in collaboration with current graduate student Sandy Saavedra, showed that eight- to thirteen-year-old CP children have reduced attentional mechanisms compared to age-matched peers and function more like children who are developmentally younger (four to seven years). Future laboratory studies will test the possibility of attentional training for improving balance in these situations.



### UNDERGRADUATE STUDENT PROFILE: *Alexander DeHaan*

Research and medicine are the academic focuses of Alex DeHaan, the Department of Human Physiology's featured undergraduate student. DeHaan is a Robert Donald Clark Honors College student who is currently fulfilling bachelor of science requirements to graduate in spring 2006 with a major in human physiology and a minor in chemistry. He is a straight-A student who has been on the Deans' List every term of his enrollment and is clearly one of the top undergraduate students at the UO.

As part of his university experience, DeHaan has participated in two large research groups, one at Oregon Health & Science University (OHSU) in Portland and one at the University of Oregon. During his freshman and sophomore summers of college, he worked with the anesthesiology department at OHSU, studying neuroprotectives for strokes using animal models. He took part in many activities, including genotyping, raising a mouse colony, biochemical work, and microsurgery, such as ovariectomies and catheterizations, and the ischemic stroke model. He hopes to soon publish a manuscript involving his research on senescent female rats.

During his junior summer and the current academic year, DeHaan has worked in the Department of Human Physiology motor control laboratory under the guidance of Paul van Donkelaar where he is investigating the effects of concussion on the decision making process, using the countermanding saccade test as a model. His goal is to submit another manuscript for publication, which can also serve as the basis for his honors college thesis.

DeHaan looks forward to attending medical school and to becoming an orthopedic surgeon. He has already been accepted to the Tulane University and Boston University medical schools and is waiting to interview and hear back from several more schools. He enjoys being in the operating room shadowing surgeons and has a love for athletics and sports medicine. Undoubtedly, his volunteer work at the Short Stay, Orthopedic, Progressive Cardiac, and Emergency units at Sacred Heart Hospital also has influenced his goals.

DeHaan, who grew up in Portland, said "Attending Oregon was a natural choice for me. I love the university and would not change my decision for anything. Beyond friendships, I have also loved the classes I have taken, particularly those in this department. Not only are they challenging and practical, but the faculty is great, making it a fun atmosphere to learn."



### GRADUATE STUDENT PROFILE: *Eric Sorenson*

A love of teaching is at the center of Eric Sorenson's graduate work in human physiology at the UO. Sorenson graduated with a bachelor of arts degree in athletic training (magna cum laude) from San Diego's Point Loma Nazarene University in 2003. Upon graduation, he was admitted to the Department of Human Physiology master of science program, concentrating his studies in athletic training.

His interest in becoming a teacher was initially influenced by his undergraduate mentor, Leon Kugler, and intensified when Sorenson was awarded a graduate teaching fellowship at the UO. Sorenson's excellent academic performance, and his enthusiasm for and skill in the art of teaching soon became apparent to the faculty, and he was offered increasing responsibility in the department's instructional mission. He has led numerous discussion groups and laboratories for courses in Exercise as Medicine, Nutrition, Human Anatomy, and Sports Medicine. He also has been responsible for a full-term course in Therapeutic Techniques.

One of Sorenson's significant accomplishments has been his contribution to advances in teaching technology. He has taken the lead in developing many projects that are enhancing teaching and learning processes through the Virage and streaming video innovations (see page 1 article). He has been central to the actual construction of these media productions that are now available and in use by students and faculty members. As Sorenson comments, "With the support of Susan Verschueren and Rick Troxel, my teaching has become more dynamic, learner-based, and technologically advanced."

Sorenson's interest in nutrition and its effects on injury and performance has led him to concentrate his master's thesis research on chemical mediators associated with musculoskeletal injury. Specifically, he is focusing on supplementation with omega-3 (found in fish oil) and on inflammation associated with athletic injury. Because of the laborious processes associated with this research, an additional year of study was necessary for him to complete his degree. "By staying a third year to complete my master's degree," the ever-optimistic Sorenson says, "I've taken a step away from 'have-to' and a step toward 'get-to.' It's truly been a great move!"

## FACULTY

**Li-Shan Chou**, Assistant Professor: B.S., Mechanical Engineering, Tatung Institute of Technology, Taiwan; M.S. and Ph.D., Biomechanics, University of Illinois, Chicago. Focus: Biomechanics, at UO since 2000. <http://www.uoregon.edu/~chou/>

**John Halliwill**, Assistant Professor: B.S., Zoology, Ohio State University; Ph.D., Physiology, Medical College of Virginia. Focus: Physiology, at UO since 2002. <http://eeplabs.uoregon.edu/>

**Henriette Heiny**, Director, International Institute for Sport and Human Performance: Diplomportlehrer, Physical Education and Sports Sciences, Deutsche Sporthochschule, Köln; M.A., Art History, Universität zu Köln; Ph.D., Art History, University of Oregon. At UO since 1974. <http://www.uoregon.edu/~iishp/>

**Andy Karduna**, Assistant Professor: B.S., Mechanical Engineering, Massachusetts Institute of Technology; M.S., Biomedical Engineering, Johns Hopkins; Ph.D., Biomedical Engineering, University of Pennsylvania. Focus: Biomechanics, at UO since 2002. <http://www.uoregon.edu/~ems/ems1.htm/>

**Gary Klug**, Professor: B.S., Chemistry and Physical Education; M.S., Physical Education, University of Wisconsin-La Crosse; Ph.D., Washington State University, Exercise Physiology. Focus: Physiology, at UO since 1985. <http://www.uoregon.edu/~ems/ems1.htm/>

**Christopher Minson**, Associate Professor: B.S., Psychology, University of Arizona; M.S., Exercise Science, San Diego State University; Ph.D., Exercise Science, Penn State University. Focus: Physiology, at UO since 2000. <http://eeplabs.uoregon.edu/>

**Louis Osternig**, Professor: B.S. and M.S., Physical Education, Cal State, Hayward; Ph.D., Physical Education, University of Oregon. Focus: Sports Medicine, at UO since 1972. <http://www.uoregon.edu/~ems/ems1.htm/>

**Richard Troxel**, Senior Instructor: B.S. and M.S., Health Education and Physical Education, University of Oregon. Focus: Sports Medicine, at UO since 1976. <http://www.uoregon.edu/~ems/ems1.htm/>

**Paul van Donkelaar**, Associate Professor: B.S. and M.A., Physical Education, University of British Columbia; Ph.D., Clinical Neuroscience, University of Calgary. Focus: Motor Control, at UO since 1997. [http://www.uoregon.edu/~paulvd/lab/eye\\_research.html/](http://www.uoregon.edu/~paulvd/lab/eye_research.html/)

**Susan Dawson Verschueren**, Senior Instructor: B.S., Sports Therapy, York University; M.S. and Ph.D., Exercise and Movement Science, University of Oregon. Focus: Human Anatomy and Athletic Training, at UO since 2003. <http://www.uoregon.edu/~uogradat/>

**Marjorie Woollacott**, Professor: B.S., Music; Ph.D., Neurophysiology, University of Southern California. Focus: Motor Control, at Oregon since 1980. <http://www.uoregon.edu/~ems/ems1.htm/>



## UNIVERSITY OF OREGON

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### SUPPORT STAFF BRINGS CRITICAL EXPERTISE TO HPHY

All successful organizations require exceptional staff support and the Department of Human Physiology is no exception. The department is fortunate to have a team of professionals that has been central to its growth and development within the College of Arts and Sciences. The triumvirate composed of Jan Brady, Anni Elling, and Stephanie Swayne keeps the members of the faculty on the “straight and narrow” while smoothing the paths of their academic lives. The group provides critical support for student admission, degree processing, class scheduling, coordination of faculty evaluations, financial transactions, research grant administration, and a myriad of other administrative functions that enable the department to run like clockwork.

#### Jan Brady

Office manager Jan Brady is responsible for department budget and expenditures, payroll, searches, promotion and tenure files, training and supervision of office staff, preparing faculty and GTF contracts, and grant management. Brady attended San Jose State University as an English major and notes, “When I discovered I could get credit for reading the books I loved, I knew that was for me.”

In 1974 she and her husband moved to Eugene where their two children were raised. Brady worked in private industry management for about twenty years before setting her sights on the UO. Prior to coming to HPHY, she was Department of Philosophy office manager for four years. Brady comments, “In the two years I’ve been with the department, the growth and change have been enormous.



Pictured left to right: Stephanie Swayne, Anni Elling, and Jan Brady

I’m impressed not only with the professional accomplishments of the faculty members but also their willingness to work with the office staff to help us do our jobs. I look forward to coming to work every day.”

#### Anni Elling

Born and raised in the Eugene-Springfield area, Anni Elling graduated from Oregon State University in 1991. After graduating, she returned to Eugene to work in public and private sector accounting until her son, Jacob, was born. Elling came to the UO and joined HPHY as department accountant in 2004. She has considerable responsibility and manages and maintains numerous state accounts, assists in the grant reporting processes, handles purchase orders, coordinates department travel, prepares

contracts, and processes payments for lab participants, among other tasks.

Although Elling feels that accounting is not often viewed as exciting, she says, “I am a real geek and enjoy it. However, what I love most about my job are the people, students, staff, and faculty. We have a truly wonderful mix of people who add so much to my job. I feel really blessed to be at this point, in this position, and with these people in my life. It has been a wonderful experience and perfect balance for me and my family.”

#### Stephanie Swayne

Stephanie Swayne was born and raised in Oregon City and graduated from the UO with a bachelor of science in sociology. Following graduation, she worked with severely abused and neglected children at SCAR Jasper Mountain Community. She moved on to become social services director for Eugene Rehabilitation and Specialty Care, a skilled nursing facility including long- and short-term care. Swayne joined HPHY in 2004 as the undergraduate and graduate coordinator. Her responsibilities include course scheduling, graduate admission, and academic advising.

Swayne has great affection for the UO and says, “Since seventh grade I couldn’t wait to attend the University of Oregon and be a Duck! There is an electricity on this campus—in the early morning hearing the birds and watching the squirrels, and in the late afternoon hearing the carillon campus bells—it’s magic! It just draws you in. So it was very fitting that I find myself with the Department of Human Physiology at the UO.”

#### Technologies, cont. from page one

that clarify and emphasize key points in the material. However, time constraints often cause students to struggle to take meaningful notes while maintaining attention to the instructor and slides. With the Virage system, the lecture and accompanying PowerPoint presentation are digitized and archived for retrieval, on demand, from the Internet.

The extraordinary power of the software comes from its ability to match and advance the lecture material and slides in perfect synchrony in virtual real-time. Thus, while reviewing lecture notes, students can access the instructor and slides anywhere they have web access and view the entire presentation. They also can interact with the lecturer instantly by entering key words that identify points in need of further emphasis without going through the entire presentation. The key words enable the video and slides to be instantly directed to the desired part of the lecture. An example of this technology is available for you to “test drive” by logging on to <http://www.uoregon.edu/~hphy/alumni.htm> (go to “Virage Presentation”). We hope you find this exercise educational and enjoyable!

Our students and faculty members are making good use of these new strategies that will become increasingly important in serving our fast-growing program.

#### Greetings from the Department Head, cont. from page one

the century mark. Freshman-level courses such as Exercise as Medicine and Exercise and Wellness across the Lifespan serve more than 220 students each term, and human anatomy now requires fifteen lab sections to meet the demand. I cannot help but feel that Edna Wooten would be greatly pleased by this fact.

The department has moved from the challenge of *how* to grow to the need for responsible growth management. We cannot lose sight of the fact that the *quality* of the academic experience is far more important than our ability to quote course enrollment statistics. Failure to pay attention to that fact risks losing endorsements such as those of a graduate, now in medical school, who wrote, “It has been challenging, but I’ve noticed how much easier the course work has been for me than for the other medical students here, and I attribute it to my time in the department.”

I am immensely proud of the job done in the classroom by our faculty members and graduate teaching fellows and confident that we will find our way through these current “positive problems” and emerge as a stronger, more mature program.

#### Department Reception Scheduled for 2006 ACSM Annual Meeting

The Department of Human Physiology has planned its reception for UO alumni, faculty members, and students at the 2006 American College of Sports Medicine meeting in Denver, Colorado. The reception is slated from 5:30 to 7:00 p.m. Friday, June 2. The highly successful ACSM-UO inaugural reception was held last year in Nashville, and we cordially invite the many department alumni who attend this meeting to join us in reconnecting with friends and colleagues who share a common heritage with the UO. If you have colleagues attending the meeting whom you think would enjoy our group, please invite them!



This photo depicts members of the Phi Epsilon Kappa UO Intramural Soccer Champions. Can you identify who is in the picture and when it was taken? Let us know!