



**BOISE STATE
UNIVERSITY**

COLLEGE OF EDUCATION

SPRING 2013 NEWS



COBR, St. Luke's Children's Hospital seek effective treatment for children

A new collaboration between the Center for Orthopaedic and Biomechanics Research (COBR) and St. Luke's Children's Hospital will help improve the diagnosis and treatment of children with physical challenges.

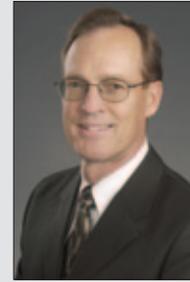
"Being able to access the technology available at the COBR Pediatric Motion Analysis Lab provides one of the first evidence-based outcomes programs for pediatric orthopedics," said Dr. Gregory Janos, medical director of St. Luke's Children's Hospital. "This collaboration with Boise State provides a unique opportunity to not only enhance treatment, but could lead to the potential for future research in the field of pediatric orthopedics."

"This partnership with St. Luke's is but one example of the community collaboration under way at Boise State," said Boise State President Bob Kustra. "The Gait Clinic clearly illustrates the intersection of student engagement with access to research space and faculty expertise and demonstrates how such partnerships can improve the health and welfare of our community."

An expert team of physicians, physical therapists and biomechanists

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Vaughn set to retire after 40 years



Ross Vaughn,

Ross Vaughn, associate dean of the College of Education, will retire at the end of the spring semester after 40 years with Boise State University.

Vaughn joined the Boise State faculty in 1973 and during his tenure has served as:

- Head baseball coach, 1973-1980
- Director of intramurals and recreation, 1973-1981
- Graduate program coordinator, 1992-1994
- Kinesiology department chair 1994-2003

In addition, he currently serves as the interim chair of the Department of Educational Technology.

Vaughn taught biomechanics at the undergraduate and graduate levels for more than 30 years.

Past and present students and colleagues praised Vaughn's work at Boise State.

George A. Kelley, one of Vaughn's former students, said, "We all owe Ross a great debt of gratitude as he has helped shape the people and great university that Boise State is today."

Kelley, now professor and director of the Meta-Analytic Research Group at West Virginia

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From the Dean's Desk

Ross Vaughn's leadership advanced university, education

The retirement of associate dean Ross Vaughn at the end of this semester concludes an outstanding career of 40 years at Boise State University. In that time, Ross has not only witnessed much change at the university, but his leadership and innovative ideas have helped advance education in Idaho.



Ross pioneered in the study of biomechanics at Boise State in the late 1970s and early '80s. He taught a course titled biomechanical kinesiology, and it was unique in that he built the first-ever biomechanics lab at Boise State to support the class.

Ross also was instrumental in supporting the concept of building a new student recreation center while he was chair of the Department of Health, Physical Education and Recreation (now Kinesiology). He worked closely with recreation director Kevin Israel, ASBSU President Jeff Klaus, and ASBSU Vice President Darryl Wright, a Kinesiology major, to sell the concept to students and Boise State President Charles Ruch, and to gain State Board of Education approval for the new building.

Ross, along with Bob Murray, exercise physiologist from 1980-85, and Ron Pfeiffer, current chair of Kinesiology, inserted the "sciences" into all aspects of our curriculum. This was a major turning point for the department and it established the foundation for many of our undergraduate and graduate degree plans that we have today. These three faculty members, later joined by Werner Hoeger, also wrote a weekly column "Focus on Fitness" that was carried in newspapers statewide for many years.

As a department chair, Ross was well regarded as a thoughtful and objective leader of a dynamic and rapidly changing department. During his tenure the department refined its focus on undergraduate and graduate education so as to align them with national trends.

As associate dean from 2003-2012, Ross' financial expertise has been invaluable in steering the College of Education through the often turbulent waters of academic budgets. He excels in understanding university budget issues at Boise State.

With Ross' retirement, Boise State and the college are losing an important leader for the improvement of education. I will personally miss his counsel and advice.

Diane Boothe, Professor and Dean
College of Education

COBR continued from page 1

will use state-of-the-art technology in the COBR Pediatric Motion Analysis Lab to assess a child's gait pattern, or manner of walking, stepping or running. The team will be working with children who have conditions such as cerebral palsy and spina bifida. These conditions can cause toe-walking or movement disorders that result from brain injuries.

The goal of the analysis is more effective treatment and a reduced number of surgeries for children.

The Pediatric Motion Analysis lab uses in-depth, detailed testing with 3-D computerized and electromyography gait analysis to determine the movement abilities and limitations of the patients.

Patients between the ages of 8 and 21 with musculoskeletal problems are eligible for the assessment. St. Luke's orthopedists refer patients to the program.

COBR is a partnership between the College of Education's Department of Kinesiology and the College of Engineering's Department of Mechanical and Biomedical Engineering.

Vaughn retirement continued from page 1

University remembered Vaughn as "the most organized instructor I ever had as an undergraduate, master's and doctoral student. I found this particularly helpful as it made it very easy to take notes and learn the necessary course material in his Methods of Coaching Baseball class. I was so impressed by this approach that I have adopted this same style in my collegiate teaching."

Bob Murray, founder and principal of Sports Science Insights, LLC, served as associate and then assistant professor of physical education at Boise State from 1980 to 1985 before relocating to Chicago to help co-found the Gatorade Sports Science Institute.

Murray recalled that, "In the spring of 1980, I arrived in Boise for a job interview at Boise State. Ross was chair of that search committee and I liked him immediately. I was fortunate enough to be hired, and for a few years, we shared an office. Working in such close quarters can strain a friendship, but ours grew and has lasted more than 30 years. I could always count on Ross and I imagine that same quality has been one reason why he has had such a positive impact on Boise State and its students: Ross was always there when he was needed."

Karl Benson, Sun Belt Conference commissioner, said, "I first met Ross in the fall of 1973 when he first came to Boise State as the head baseball coach of the Broncos. He was the first college baseball coach that I had ever been around who had a Ph.D., and my first reaction was 'Wow this guy is smart!' And it didn't take too long to realize that he was really more a teacher and educator than the traditional coach. I will also remember him as the teacher who I am sure has inspired as many in the classroom as he inspired me on the baseball field."

Study aimed at helping teachers assess math learning

In a new three-year study funded with \$1.2 million from a U.S. Department of Education grant, education researchers hope to help teachers better understand when their students have fully learned their math lessons.

Keith Thiede, a professor of education and the principal investigator on the grant, said recent studies have shown that many elementary teachers may not have adequate skills for assessing whether their students understand their math curriculum.

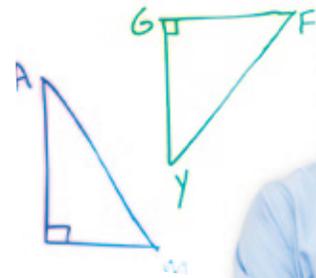
Without that perspective, Thiede said, teachers cannot challenge students who are doing well nor provide additional help to those who are struggling with materials.

Using the principles emphasized by Jonathan Brendefur's Initiative for Developing Mathematical Thinking, a professional development program for K-12 teachers at Boise State, Thiede will work with elementary

teachers from more than 20 Idaho schools over the course of the grant.

Thiede hopes to create a more universal professional development program to improve the accuracy of teachers' monitoring of student learning and to study how monitoring accuracy affects student achievement.

He is working with Department of Curriculum Instruction and Foundational Studies colleagues Brendefur, Jennifer Snow, coordinator of teacher education, and Rich Osguthorpe, chair, on the project.



Keith Thiede

Grant to increase the number of qualified teachers of STEM

Boise State University, Idaho National Laboratory (INL) and several partner school districts across Idaho have been awarded a \$1.125 million grant over three years to increase the number of highly qualified teachers of science, technology, engineering and math (STEM) in the state.

The grant provides \$375,000 a year to support summer institutes in STEM teaching and learning for K-12 teachers at five locations in the state. The U.S. Department of Education's Mathematics and Science Partnerships program awarded the grant through the Idaho State Department of Education (ISDE).

"Idaho's needs for highly qualified math and science teachers are expected to expand substantially in the next few years," said grant principal investigator Louis S. Nadelson, associate professor in Boise State's College of Education.

The summer institutes are part of the Idaho STEM initiative (i-STEM), a broad partnership that includes the ISDE, the state's universities, K-12 educators and businesses and industry working to enhance STEM education in the state. About 100 kindergarten through 12th-grade teachers are expected to take part at each of the workshop locations, called i-STEM Teacher Institutes.

Courses called "strands" are the primary focus of the three- or four-day intensive institutes. In the strands,

about 15 teachers explore in-depth STEM-related content such as mining, energy, nutrition and robotics.

In addition, they learn how to integrate technology into their instruction, interact with regional and nationally recognized experts, plan in teams for using what they learn in their classrooms, and network with each other to learn more about best practices in teaching STEM.



Louis S. Nadelson

Where are they now?

1970s

THOMAS R. KELLY, B.S., kinesiology, '78, founder and owner of TRK Design Company, was honored with the "Outstanding Design and Sales" Award for being the largest dealer of Kountry Kraft cabinetry in the greater Boston area. Kelly lives in Nokomis, Fla.

1980s



SHARON PRINDLE, B.A., elementary education, '80, was honored at the Boise State Winter Commencement with a Pesky Award

for Inspirational Teaching. Prindle is a fourth-grade teacher at Horizon Elementary School in Boise.

ALICE SCHENK, B.S., physical education, '81, completed the 2012 Sawtooth Relay Solo, winning the Solo Athlete category overall and breaking the women's record. Schenk teaches health and fitness for the College of Southern Idaho and lives in Rupert.

DOUGLAS R. HOLLOWAY, B.S., kinesiology, '86, was named director of Boise City Parks and Recreation by

the mayor of Boise. Holloway had served as interim director since last July and has worked for the department for 11 years. He also served on the Boise City Parks and Recreation Commission from 1995-1999.

2000s

NANETTE LEHMAN, B.A., elementary education, '06, was selected as the 2012-13 Oregon Teacher of the Year. Lehman teaches second grade at Haines Elementary in the Baker School District.

JASON NICHOLS, B.S., kinesiology, '09, was hired by the College of Southern Idaho in Twin Falls as assistant coach for the women's basketball program. Nichols was student assistant coach during his time at Boise State and was an assistant coach at Capital High School in Boise.

TODD SCHWARZ, M.S. Ed., educational technology, '02, was appointed as the administrator of the Idaho Division of Professional-Technical Education in 2012. He



is responsible for the administration of all secondary and postsecondary

technical education, and adult basic education in Idaho. He previously served five years as the instructional dean for technical programs at the College of Southern Idaho.



DEBRA YATES, Ed. D., '05, curriculum and instruction, cognates in school improvement, alternative education and at-risk youth, is an

associate professor of education at The College of Idaho, Caldwell. She has worked for the college for 11 years and is on sabbatical. Her recent publications include *Turning Around Your School* co-authored with BOB BARR, emeritus and former dean of the College of Education at Boise State University.

2010s

ASHLEY GRIGSBY, B.S., health education and promotion, '12, is the Community Cancer Education Coordinator for St. Luke's Mountain States Tumor Institute.



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Watts asks congressional leaders to support TRiO



Deborah Watts

Boise State University graduate Deborah Watts asked congressional leaders in February to continue to support programs at the university that

help low-income and first-generation college students earn degrees.

Watts, principal of Boise's Trailwind Elementary School, knows first-hand how such programs encourage high school students to

enter and succeed in college. When she was a high school student, Watts participated in Boise State's TRiO Educational Talent Search program from 1987 to 1990.

"TRiO kept me in school, helped me determine what opportunities were available and provided me with guidance," Watts said. "Boise State's TRiO programs have become lifelines to hundreds of other students who are proving that with purposeful assistance they can be successful in higher education."

The TRiO programs at Boise State include Upward Bound, Educational Talent Search, Student Success Service, Veterans Upward Bound and the Ronald McNair Baccalaureate program.

Boise State's TRiO Educational Talent Search program serves more than 1,500 high school students in Ada, Canyon and Owyhee counties. The TRiO programs are housed in the Center for Multicultural and Educational Opportunities under the College of Education.

Where are they now continued

HEATHER JASPER, M.A., in curriculum and instruction, '11, is teaching French and Spanish at the International School Dhaka in Bangladesh. She also is the coordinator for the high school's Creativity, Action and Service program. She guides students in meeting requirements for artistic, athletic and service activities that must be completed alongside their academic courses. This is her first year in Bangladesh and she taught French last year in Istanbul, Turkey.

STACY LEITNER, M.S., educational technology, '10, received two prestigious national awards. She received the 2012 Office Team Administrative Excellence Award from the International Association of Administrative Professionals and the 2012 Teacher of the Year Award from Corinthian College for her work as an instructor at Heald College. Leitner is the executive assistant to the Rancho Cordova city manager.

In Memory

- DENISE ABEL, B.A.**, elementary education, '07, Meridian
MARY BARTON, B.A., elementary education, '71, Middleton
DOROTHY BORGER, M.A., elementary education, '73, Meridian
ALENE COWGER, B.A., elementary education, '72, M.A., education, '80, Twin Falls
WILLIAM CRIPE, B.A., elementary education, '88, New Plymouth
REBEKA DELLOS, B.A., elementary education, '05, Caldwell
DANIELLE "DANNI" GILBERT, M.A., education, '01, Mountain Home
IRENE HEGG, M.A., education, '77, Barrington, RI
KATHLEEN LAMM, B.A., elementary education, '75, CERT, international public policy, '99, Caldwell
TOM NEWSOM, B.S., physical education, '71, Vacaville, CA
DAVID PETERSON, M.A., education, '88, Boise
ZERELDA QUINTANA, B.A., elementary education, '86, Boise
CAROLYN SEELEY, M.A., education, '81, Boise
SANDRA TUCKER, M.A., education, '78, Nampa
BRUCE VANATTA, B.A., elementary education, '74, Vona, CO
GEORGE VON DER HEIDE, B.A., elementary education, '68, Boise
PHYLLIS WARD, B.A., elementary education, '84, Boise

Scholar Award recognizes Gregory



Anne Gregory

Anne Gregory, Department of Literacy professor, has been awarded a 2013 University Foundation Scholar Award for Service.

Foundation Scholar Awards honor Boise State faculty members who have demonstrated ongoing commitment, expertise and accomplishments in teaching, research, creative activity or professionally related service.

Gregory has been a formidable advocate in setting up literacy programs in schools throughout Idaho. She and her colleagues turned around an elementary school in rural southwest Idaho from being one of the lowest performing to one of the most improved schools in the state.

On campus, she was instrumental in implementing the Summer Literacy and Saturday Literacy academies, both designed to improve children's literacy skills and foster a love of reading. She also has served in several posts including president with the Faculty Senate. Nominations for awards in each category were submitted in January 2013 and recipients were chosen by separate selection committees comprising FSA past recipients in each category. The Boise State University Foundation will honor recipients at a recognition luncheon and recipients will receive a \$3,000 honorarium from the foundation.

Johnson honored as a Woman of the Year



Evelyn Johnson

The Idaho Business Review selected Evelyn Johnson, executive director for the Lee Pesky Learning Center, as one of four Boise State employees as Women of the Year 2013. The award recognizes 50 women from across Idaho for their commitment to excellence, exemplary leadership and contributions to the community.

In addition to her role as executive director for the Lee Pesky Learning Center, Johnson is a professor of special education in the College of Education.

Johnson's work on assessment for students with disabilities has included research on accommodations and alternate assessments.

Prior to joining the university, she worked as a research associate for the National Research Center on Learning Disabilities examining issues related to response to intervention and specific learning disabilities determination. This work led to numerous collaborative research efforts, national presentations and publications.

The other three Boise State employees selected for the award were Stacy Pearson, vice president for Finance and Administration, Trisha Stevens Lamb, director, Career Start MBA, and Betti Newburn, director, Idaho Small Business Development Center.

Hundreds of women were nominated for the award. Honorees are considered innovative leaders who are making waves with their energy, ideas, achievements and commitment to excellence.

Online literacy resource provides tools to succeed in digital world



Lee Ann Tysseling

Like many teachers, literacy associate professor Lee Ann Tysseling had attended too many conferences where presenters gave a drive-by list of recommended websites and tools, but didn't teach you how to use them in the classroom.

So she partnered with Stenhouse Publishers to produce a completely online book that provides the missing "how to" section of such presentations, essentially an interactive professional development tool.

In *Word Travelers: Using Digital Tools to Explore Vocabulary and Develop Independent Learners*, Tysseling shares a wide variety of technology resources that teachers can use to boost students' literacy skills and encourage them to read.

Since it is online, you can access it anytime on any device with Internet access. In the book:

- You can watch tutorials of how to use effective software and tools, videos of teachers and students using the tools in the classroom and interviews with teachers and students.
- You can highlight any section of the book online and make notes for your own private use.
- You can jump to linked information without having to "put down the book."
- You can seek feedback from Tysseling through social networking features.

"The Internet is full of tools for vocabulary development," Tysseling said, "but the quality and usefulness for teachers and students vary greatly."

She noted that embedded video tutorials and classroom interviews help teachers and their students begin using the best digital resources right away.

"Through this new genre we are showing the way to provide our children with the literacy skills needed to understand information and succeed in this new digital world."

You can preview *Word Travelers* online at onlinebooks.stenhouse.com/word-travelers-demo.

Alumni a part of *Word Travelers*

Videos that are a part of *Word Travelers* feature three Boise State alumni:

- BRITTNEY PETERSON, a 2011 graduate in English education now teaching at Capital High School.
- EMILY THURBER, a 2012 graduate with a master's in literacy now working as an instructional coach in Kuna schools.
- PETE ERICKSON, a 2000 graduate with a master's in education now teaching at East Junior High School.

"These teachers' participation speaks loudly to the importance and value of Boise State's teacher education program," Tysseling said "as well as its ongoing relationships with schools and teachers in the valley, and the great work being done in these schools."

Pesky Award recognizes four passionate and caring teachers

Boise State University and Alan and Wendy Pesky, founders of the Lee Pesky Learning Center, honored four outstanding and inspirational K-12 teachers and their schools with the second annual Pesky Award for Inspirational Teaching on Dec. 21.

The Pesky Award for Inspirational Teaching, presented in conjunction with Boise State's College of Education, recognizes K-12 teachers in Idaho who make a major difference in the lives of their students through their passion and caring.

More than 120 graduating education students at Boise State nominated teachers from their kindergarten through 12th-grade schools who had inspired them to become teachers.

Each of the four teachers received \$2,000 and their schools received \$500 each.

The 2012 Pesky Award for Inspirational Teaching was presented to: Brenda Blanco, Xavier Charter School, Twin

Falls, Idaho; Kim Brydges, Boise High School; Sue Martin, Mountain Home High School, Mountain Home, Idaho; and Sharon Prindle, Horizon Elementary School, Boise.

Alan and Wendy Pesky also donated \$500 to Meridian High School in memory of Randy Fout. Fout was an assistant principal at Mountain View High School when he was killed in a tragic car accident in 2006.



College of Education to launch living-learning community in fall 2013

The College of Education will launch a living-learning community in fall 2013 with room for 28 students majoring in education or related fields.

This is the fifth living-learning community sponsored by a college in the Residential College Program. Education's Residential College will be located on the third floor of the Clearwater Suites on University Drive opposite the Brady Parking Garage.

"This community will be a huge



help for students as they explore their values and dispositions toward becoming a teacher," said Stan Steiner, literacy chair and the

community's first faculty member in residence. "Students will examine their professional goals and receive insights on accomplishing important milestones in the admission process for the Teacher Education Program."

A faculty member in residence lives with the students in the residence hall in his or her own apartment.

For more information, email ResidentialCollege@boisestate.edu or call (208)447-1001.

QuestBoise 2013 features experts in Quest-based teaching and learning

Boise State and GoGo Labs, the start-up company launched by the university in January, are bringing the experts in quest-based teaching and learning to a workshop and "unconference" on campus July 31-Aug. 1.

The two-day event called QuestBoise 2013 will give area teachers and other participants a chance to work with the experts from

8:30 a.m.-5 p.m. in the Student Union Jordan Ballroom. Sponsors in addition to GoGo Labs are the College of Education and the Department of Educational Technology.

Participants will explore aspects of gamification in the classroom, including quests, guild sites, the Open Badges Initiative and more.

Registration is limited to 200

people. If you register before May 1, the cost is \$245. After May 1, the cost is \$295. Professional development credit is available through Boise State. Participants are encouraged to bring their laptops. For more information, contact Danielle DeVoe at danielledevoe@gogolabs.net or visit www.questboise.com.

Ed students bring basic healthcare to island

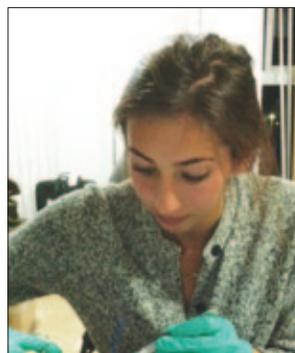
Two College of Education students helped provide much-needed basic healthcare to rural communities in the Dominican Republic as part of a new Boise State medical brigade.

Besides bilingual education major Breanna Barsten and kinesiology biomechanics major Jason Koster,



the brigade included two respiratory care students and three pre-medical students.

"Both of these students did an amazing job on this trip and were an integral part of its success," said Megan Spurny, clinical assistant professor in the College of Health Sciences and faculty adviser to the brigade.



Students Who ROCK!

BRIAN NAGY AND SHERIE MORAN, both graduate students in the Department of Educational Technology (EdTech), won first and second place, respectively, in the 2012 MIT App Inventor App Contest.

The contest had 125 submissions in four categories: K-8, high school, college or university and open. Google Nexus 7 Tablets were awarded to the first-place winners, with App Inventor books given for second place. Participants included students as young as third grade, college students, hobbyists, professional developers and more.

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Scholarships to honor Wyzard and Button

Two endowed scholarships are being created to honor emeritus professors Connie Wyzard and Sherman Button, both of whom died in December.



Connie Wyzard

Wyzard, emeritus professor in the Department of Educational Technology, died Dec. 7 at her home after a long illness. She resigned from the department during the summer of 2012. She

taught at Boise State for 19 years.

A former associate chair of EdTech, Wyzard was an early and effective advocate of the integration of technology in the nation's classrooms to enhance the instructional effectiveness of teachers. While this is taken for granted today, it was far from obvious when she began at Boise State.

She designed and managed the undergraduate classroom technology course, which serves about 700 pre-service teachers every year. In addition to teaching graduate courses, Wyzard until recently managed the department's adjunct instructors.

Wyzard won national awards in 1996 for service to adjudicated youth with disabilities and for work in alternative school networking. In 2005, Boise State students recognized her for her inspirational and impactful teaching.

Button, emeritus kinesiology professor, died Dec. 11 of multiple myeloma at his home in Meridian.

Button taught at Boise State for 25 years and he held numerous offices in professional organizations at the state, regional and national levels. He received several awards for his service to students, including the Joy of Effort award from the National Association for Sports and Physical Education.



Sherman Button

Scholarship donations in honor of the two professors may be directed to the Boise State University Foundation (giving.boisestatefoundation.org). On the drop-down bar, select "Dr. Constance Wyzard Memorial Gifts" or "Dr. Sherman Button Memorial Gifts."