Cover Story...
White Coat Ceremony welcomes Class of 2012

Plus...
- All-class reunion celebrates College’s 90th Anniversary
- American Pharmacists Month activities
- ALSAM student scholarship awards
Pharmacy students celebrate American Pharmacists Month with an open house, immunization clinics and more.

The Pocatello and Treasure Valley communities received more than 2,500 flu vaccinations from College of Pharmacy students this year. ISU President Dr. Arthur Vailas was vaccinated to help promote the importance of immunizations.

Dr. Joy Plein, ’47, was one of eight panelists for the Women in Pharmacy dinner held in October.

Cover photo ~ Darcy Thie, Phil Bright and Jeff Gower are the P1 class officers for the Class of 2012.
Before the fall semester began, the seventh annual White Coat Ceremony was held to welcome students into the profession and the College. The support for this event from our friends and corporate donors is appreciated. Additionally, thank you to the members of ISPA, ISHP, SEIPA and the Board of Pharmacy for having representatives welcome the students.

As you can see from the contents of this Bulletin, there is never a dull moment at the College of Pharmacy. New research endeavors are being conducted, we continue to honor distinguished professors and are marking the important role that women play in our profession. Plans are being made for many activities this fall including Pharmacy Fair, celebration of American Pharmacists Month in October, ISU Women in Pharmacy Dinner and the Idaho State University College of Pharmacy students hosting the APhA Academy of Student Pharmacists Midyear Regional Meeting (MRM) in Boise the end of October.

As a personal note, Sue and I became grandparents in July for the first time. What an amazing summer!

Regards,

Joseph F. Steiner, Pharm.D.
Dean and Professor
American Pharmacists Month brings several activities honoring profession

Pharmacy students wanted to make sure members of the Pocatello community had the opportunity to receive an influenza vaccination, even if they couldn’t afford one. To assist in this effort, and increase participation in College-sponsored health fairs, students and faculty administered more than 50 free flu vaccinations during an October 24, 2008 open house at Leonard Hall.

Held in conjunction with American Pharmacists Month, sponsored by the American Pharmacists Association (APhA), the student chapter at ISU joined in the national campaign to promote the pharmacy profession and, “Know your medicine, Know your Pharmacist,” the month’s theme.

In addition to the open house, students and faculty members co-authored weekly health care editorials for the Pocatello Idaho State Journal, sponsored an ISU Bengal football game, with a health care information booth at the pre-game Bengal Fest and hosted a continuing education dinner and lecture on prevention and treatment of herpes zoster (shingles).

“Each year our students plan a special event for area pharmacists to show their appreciation of their local mentors in the profession,” said Andrew Gauss, advisor for American Pharmacists Month activities. “The students’ efforts to educate the public on timely health care issues, sponsor a CE class for colleagues, and provide free immunizations, shows what strong character these future pharmacists have here at the College of Pharmacy.”

Students also took time during the month to meet with potential employers during the annual Pharmacy Recruiting Fair. About 80 recruiters representing more than 50 national companies in the pharmacy profession in areas of retail, hospital and clinical pharmacy converged at the ISU Earl R. Pond Student Union for two days of recruitment activities. Pharmacy recruiters interviewed student pharmacists at all class levels for internships, residencies and post-graduate employment. Companies aggressively seek graduates each year from the College’s 60 student classes for employment across the United States.

“Several of the top pharmacies in the United States send recruiters to campus each year seeking ISU graduates who are well-educated, professional pharmacy practitioners,” said Gauss.

In addition, the College hosted alumni and friends for the first “Women in Pharmacy” banquet, where pharmacy professionals met with students for an informal evening of networking. See full story on page 12.
Operation Immunization

Pharmacy students provide 2,500 flu vaccines to Pocatello and Treasure Valley communities

More than 2,500 Idaho residents have received influenza immunizations this fall from Idaho State University College of Pharmacy students through the College’s Operation Immunization Program. Student pharmacists, under the supervision of a faculty member, have provided the vaccinations at local pharmacies, health clinics, influenza awareness fairs and company health awareness programs, in both Southeastern Idaho and in the Treasure Valley.

Governor C.L. “Butch” Otter joined in the effort to educate Idahoans on the importance of annual influenza vaccinations, and received an immunization from students at the ISU-Boise.

“I’m a cowboy so I’m not about to tell you if it hurt,” he joked after the third-year student Whitney Bennett gave him a flu shot, but quickly added the vaccination was not only painless, but key to keeping people healthy during flu season.

“It’s so much better to keep people from getting sick in the first place,” he said.

During the months of October and November, students assist in the administration of the vaccine at clinics held at locations such as the Pocatello Senior Citizens’ Center, Portneuf Medical Center, Fred Meyer Pharmacy, Sav-on Pharmacy and more.

More than 100 vaccinations were administered to members of the University community during an October 24 campus-wide immunization clinic held at the Earl R. Pond Student Union. An additional 56 flu shots were given that evening to community members, free-of-charge, during a College of Pharmacy open house. The annual event is held in conjunction with the American Pharmacists Association’s American Pharmacist Month activities. The complimentary vaccinations and other month-long events are provided through a donation from Sav-on Pharmacy.

According to Suzanne Tegland, Operation Immunization student coordinator, the number of immunizations administered so far this season has increased by more than 100 from those given in 2007.

“Each year, our students reach out to more members of the

Southeastern Idaho community to educate, and vaccinate them against the influenza virus,” said Pharmacy Dean Joseph Steiner. “The Operation Immunization program is a great example of how the College is helping to meet the health care needs of Idaho citizens, while providing an excellent heath science education.”

Influenza is a contagious virus that causes respiratory symptoms like sore throat, coughing, and sneezing and runny nose. It may also be accompanied by a high fever, headache and muscle aches. Nausea and vomiting occur more commonly in children than adults. At particular risk are healthy adults who can catch the disease and start spreading it, even one day prior to symptoms developing, and for up to five days after. This means that you could be spreading the flu without feeling sick.

According to the Centers for Disease Control, people at high risk for flu complications are highly encouraged to be vaccinated—these include children from 6 months old, up to their fifth birthday, pregnant women, anyone over 55 and people of any age who have chronic health conditions such as diabetes, congestive heart failure or asthma. In addition, people who live with or care for those who are at high-risk should get the vaccination. This includes health care workers and family and daycare personnel who are around children less than six-months-old (too young to be immunized). However, even those who don’t fall under any of these categories should consider getting the flu shot to prevent spreading or catching the disease, either at home or at work.

ISU College of Pharmacy third-year students, Neal Kelly and Whitney Bennett, ISU-Boise, met with Idaho Governor C.L. “Butch” Otter who joined in the effort to educate the public about the importance of immunizations. Students immunized about 1,000 Treasure Valley residents as part of the Operation Immunization Program.
Sixty College of Pharmacy first-year students donned white laboratory coats and signed the Code of Ethics for Pharmacists on August 21 in a ceremonial event marking their entrance into the pharmacy profession and the Doctor of Pharmacy program at Idaho State University.

Faculty, staff and College administrators joined friends and family members of the Class of 2012 for the Seventh Annual White Coat Ceremony held at the ISU L.E. and Thelma E. Stephens Performing Arts Center.

“Tonight you will take your first step into the profession of pharmacy,” Dean Joseph Steiner said. “You will don the white coat as a symbol of that step and sign the pharmacist code of ethics. You will be expected to follow that code for your time here with us as a student and, more importantly, for the rest of your life. It is important to realize that once you become a pharmacist, you will always remain part of this profession.”

Representatives of the Idaho State Pharmacy Association, Idaho Society of Health-System Pharmacists, Idaho Board of Pharmacy and Southeast Idaho Pharmacy Association were also present, offering words of encouragement to the new students. In addition, several alumni, friends and corporate sponsors, who purchased white coats in support of the new students joined the ceremony. The names of those who purchased white coats will be displayed in recognition in Leonard Hall until the Class of 2012 graduates.

Three corporate sponsors awarded $400 scholarships to entering students. Sponsors and recipients are Sav-on Pharmacy, David Kennedy; Fred Meyer Pharmacy, Stephanie Chase and two scholarships from Walgeens Pharmacy were awarded to Darcy Thie and Paige Hansen.

Each year, alumni and friends of the College donate towards the purchase of a white laboratory coat for the incoming student pharmacists.

“The White Coat Ceremony has become a memorable tradition that prepares pharmacy students for a career to serve and improve the lives of others,” Steiner said. “Contribution towards this ceremony serve as a symbolic commitment to our students. It signifies that sponsors will also serve as mentors as the students begin to embark on the knowledge and skills necessary to be successful in the science and practice of pharmacy.”
The most common question I get from friends and family about my professor job is, “but what do you do all summer?” Any fourth-year pharmacy student, clinical faculty or pharmacy preceptor is quick to answer that there are no summers off in the last year of the curriculum. Students and preceptors teach Advanced Pharmacy Practice Experiences (APPE) year round with a new group starting every six weeks. Students have one six-week experiential rotation off per year. Faculty have two-to-three experiential rotations off each year. These off times for faculty occur at different times throughout the year.

The faculty time off for experiential teaching allows them to dedicate time to classroom didactic teaching during modules. We are fortunate to have faculty that are content experts for each module and faculty workload is adjusted to allow dedicated classroom teaching time.

Staggered faculty teaching assignments also accommodate faculty development. The 3 R’s of academia are recruitment, retention and renewal. Renewal means different things to different faculty and attending summer American Associations of Colleges of Pharmacy Meetings is one means. After attending the Triangulating Teaching Evaluations Workshop, I was able to bring new ideas about classroom teaching that I can’t wait to apply in the classroom.

A new summer teaching opportunity this year occurred with faculty using a course management system, MOODLE, for entering pharmacy students. These students gained Introductory Pharmacy Practice Experiences (IPPE) under the supervision of gracious volunteer pharmacist preceptors across the State. Clinical faculty were involved in Internet-based asynchronous discussions using principles of reflective learning. Thank you to both faculty and preceptors involved in this introduction to the profession.

When July comes around, new groups of pharmacy and medical residents begin. It’s powerful for Pharm.D. students to work closely with these physicians in training, knowing that they are influencing the role of pharmacist/physician collaboration for a lifetime in this training capacity. A new psychiatry medical residency in Boise has created new teaching venues for Drs. Roger Hefflinger and Rex Lott as well as the pharmacy students and residents. Drs. Glenda Carr and Sabrina Allen are members of a Terry Reilly Health Care Team working in a Patient Safety and Clinical Pharmacy Services Collaborative sponsored by the U.S. Department of Health and Human Services Health Resources and Services Administration.

Since all work and no play makes for a very dull life, I will say the summer ended on a high note as far as the tailgating went for the ISU-BSU football game. Getting to see all of the ISU alumni made it easy to forget about the football game.

Barb Mason, Pharm.D., is a professor with the College of Pharmacy at its Boise campus.

Pharmacy’s Col. Garth Holmes, ’60, awarded ISU Alumni Association Homecoming honor

Retired Army Col. Garth H. Holmes, Olympia, Wash., was one of the recipients of the ISU Alumni Association President’s Medallion awards during the 2008 Homecoming festivities in October.

Holmes, a 1960 graduate of the College of Pharmacy, accepted the honor during the President’s Alumni Recognition Dinner and participated in other Homecoming events while on campus.

Holmes also received an ISU 2006 Professional Achievement Award.

At ISU, he is known as a generous supporter of higher education. After earning his Bachelor’s Degree from the College of Pharmacy, he went on to earn a Master of Education degree from Boston University in 1974. His late wife, Dianne, received a Master of Arts in elementary education from ISU in 1961.

At the ISU College of Pharmacy, Holmes funds an annual scholarship for a first-year student from Idaho who shows financial need.

When his wife passed away, Holmes established the Dianne W. Holmes Scholarship Endowment at the College of Education. It provides two scholarships for students who demonstrate financial need. This legacy is just part of a sense of service that includes Holmes’ 34 years of active and reserve Army service.

Col. Garth Holmes and his daughter, Shannon Stewart, prior to the 2008 ISU Homecoming parade.
ALSAM Foundation continues to assist minority student pharmacists at ISU

Seven Idaho State University College of Pharmacy students are the recipients of the ALSAM Foundation Minority Scholarships for the academic year 2008-2009. This year’s recipients are first-year students Jemre Okoh and Luke Baker Jr.; second-year students Julianne Ramirez, Carmen Medina, Rudy DeLeon and Josie Huerta and third-year student, Eric Lawton.

The Idaho State University College of Pharmacy’s ALSAM Foundation Minority Scholarships were established in 2007 as part of a $5.25 million gift from the Foundation for the College to acquire more teaching and research space at its Treasure Valley campus.

The ALSAM Foundation slated $250,000 of the gift for pharmacy scholarships for minority students, with distribution of $50,000 increments annually.

Being the first in her family to attend college, Medina says the scholarship is a significant help in being able to reach her higher education goals.

“Being a recipient of this scholarship has helped me be able to cut back hours at work each week and devote those hours to studying,” said Medina. “I am single and live alone, with my dog, Chesty. I am completely responsible for my own expenses to attain these goals. I have in the past worked two and three jobs while attending college.”

Ramirez, who once worked as a hospital pharmacy technician, decided to return to pharmacy school and also fulfill her dream of becoming a pharmacist.

“Since my days as a pharmacy technician among IV lines and crash carts, I have yearned to become a pharmacist and practice clinical pharmacy,” she said.

In addition to her Pharm.D. curriculum, Ramirez has conducted laboratory research on neurodegeneration and the pathophysiological and mechanistic mechanisms related to cell death in Parkinson’s disease through a grant from the American Foundation for Pharmaceutical Education.

The ALSAM Foundation is a charitable organization based in Salt Lake City.

Student recipients of the 2008-2009 ALSAM Minority Scholarships at the College of Pharmacy pictured with Dean Joseph F. Steiner are: back row, l to r: Rudy DeLeon, Jemre Okoh, Luke Baker Jr., Eric Lawton and Julianne Ramirez. Front row, l to r: Carmen Medina and Josie Huerta.

ASP hosts Region 7 Midyear 2008 in Boise

Idaho State University College of Pharmacy Association of Student Pharmacists Chapter of the American Pharmacists Association, (APhA-ASP), hosted the Region 7 Midyear Regional Meeting in Boise on October 31.

Over 100 students from Washington, Oregon, Utah, Montana and Idaho attended the three-day meeting. Participants had the opportunity to attend numerous professional and educational workshops, network with potential employers, partake in the APhA-ASP policy process and expand their pharmacy education outside the classroom, said third-year pharmacy student and Midyear coordinator, Jessica Sipe.

A “Monte Carlo Masquerade” was the theme of the kick-off Friday night social, and many of the attendees took the theme to heart with most attending in costume to play casino games, decorate masks, win prizes and have a great time.

“Overall the meeting was well-attended,” said Sipe. “ISU students made an excellent contribution to the proceedings and many memories and connections were made. Thank you to everyone that attended or supported the MRM. We only have an opportunity to host Midyear once every seven years and the 2008 MRM was a rollicking success.”

Other events included an employer and residency exhibition; interactive lecture on pharmacy ethics by Dr. Christopher Owens; talks on patient counseling, the residency process and making the transition to being a new practitioner by Drs. Kevin Cleveland and Elaine Ladd; a presentation on conflict management in the pharmacy and discussion about how grass roots advocacy can make a difference in the pharmacy field.

Numerous resolutions proposed by ISU students were passed during the closing business meeting. These resolutions will be looked over at the APhA-ASP January business meeting and may be voted on at the APhA annual meeting in San Antonio in April, 2009.

In addition to the business conducted, the College’s Operation Meth Awareness program was awarded the APhA-ASP Region 7 award for Regional Challenge 2008.
Leaders in research and academic pharmacy from six universities gathered in Salt Lake City in November for the first L.S. Skaggs Biomedical Research Symposium, hosted by the University of Utah College of Pharmacy.

The symposium, slated to be an annual event, joined faculty and researchers from six institutions to share ideas and findings in the biomedical research field. Each of the universities are affiliated with the philanthropy of the ALSAM Foundation—a charitable organization based in Salt Lake City and named in honor of L.S. “Sam” Skaggs and wife, Aline. The foundation supports a variety of causes and organizations, and is committed to improving the lives of people around the world. The symposium was held in honor of Mr. Skaggs.

“We were pleased to honor the contributions that Sam and Aline Skaggs have made to pharmacy education and biomedical research through our sponsorship of the L.S. Skaggs Biomedical Research Symposium,” said Dean Joseph Steiner. “It was a great opportunity to say thank you to them and to showcase the excellent research conducted at the Idaho State University College of Pharmacy.”

Dean Steiner presented an update on the College’s Meridian expansion, while Drs. Karl Madaras-Kelly, Alok Bhushan and James Lai made presentations in the areas of epidemiology, metastatic cancer treatment and new insights into cytotoxicity of metallic oxide nanoparticles, respectively.

Drs. Brooke Pugmire, Chris Owens and Dan Selvage provided poster presentations in the areas of drug utilization trends, information systems used to evaluate medication treatment and adrenal responses to alcohol.


“Specifically, we identified which antibiotics are prescribed most often for this condition among Idaho Medicaid patients and compared trends in prescribing among common antibiotic classes over the past decade,” Owens said. “We found that although sulfa drugs are still commonly employed and thought to be appropriate by many prescribers, the use of fluoroquinolones has steadily increased over the years.”

These findings have led to some concern about the promotion of future bacterial resistance to this antibiotic class. As part of the intervention, Owens and his colleagues, Pugmire and Dr. Rex Force, also created and mailed an educational leaflet on this topic to physicians, pharmacists and other healthcare providers in the State. The leaflet highlighted the prescribing guidelines available from the Infectious Diseases Society of America and the need for judicious use of antibiotics for this common condition, he said.

Pugmire’s presentation, titled “Long-term drug utilization trends in acute uncomplicated cystitis,” explored the inappropriate use of antibiotics that may lead to community bacterial resistance, a growing health concern.

According to Pugmire, current guidelines recommend trimethoprim-sulfamethoxazole (TMP-SMX) as first-line treatment for acute uncomplicated cystitis (AUC). Alternatives, including fluoroquinolones and nitrofurantoin, are recommended when community resistance rates exceed 90%. Literature suggests a lack of adherence to guidelines and that fluoroquinolone use is increasing. Additionally, it is unclear whether medication selection, resistance patterns, and treatment failure are linked.

Geographic information systems (GIS) software that allows for the mapping of health data in order to visualize trends as they relate to geography were used to examine the relationship between these three variables across the counties in Idaho.

Since 1994, despite current recommendations, TMP-SMX utilization in the treatment of AUC has declined while use of fluoroquinolones has increased. A total of 3,824 cases of AUC were analyzed over the last two years. Overall, apparent failure rates were about 13 percent and were not different between antibiotic groups. By county, E. coli resistance to TMP-SMX ranged from 9-38 percent, while apparent failure rates ranged from 1.8-18.8 percent. TMP/SMX use did not consistently correlate with increased resistance, and resistance to TMP/SMX did not appear to predict treatment failures.

Deans and administrators from institutions that are recipients of support from the ALSAM Foundation include: Top row, l to r: John Mauger, Dean University of Utah College of Pharmacy; Joseph Steiner, Dean, Idaho State University College of Pharmacy; Louis Diamond, former Dean, University of Colorado and Ralph Altiere, Dean, University of Colorado. First row, l to r: Palmer Taylor, Dean, University of California San Diego; Claudia (Skaggs) Luttrell, The ALSAM Foundation; Jeffery Kelly, the Scripps Research Institute; and David Forbes, Dean, University of Montana.
In honor of the College’s 90th anniversary, more than 125 alumni and friends gathered at the L.E. and Thelma E. Stephens Performing Arts Center for an all-class reunion banquet, held on August 2, 2008. Henri Manasse Jr., Ph.D., Sc.D., Executive Vice President and Chief Executive Officer for the American Society of Health-System Pharmacists was the keynote speaker.

Alumni from California, Texas, Utah, Idaho and other areas joined together for the weekend festivities which kicked off with an open house at Leonard Hall. Former classmates gathered in groups to catch up on the happenings of each other’s lives, while others toured the classrooms and laboratories. Several members of the class of 1965 attended the reunion, some traveling from the San Francisco Bay area.

The gathering was followed by an open house hosted by members of the ISU Phi Delta Chi chapter at the only fraternity house left in operation from the ISU Greek system. Former members of the Alpha Zeta Chapter reminisced about their days in the house while looking through stacks of photo albums and other memorabilia.

Earlier that day, alumnus Sam Hoagland, J.D., R.Ph., ’76, Boise, provided a continuing education law class, while other attendees gathered on the links for a scramble. Les Jang, ’70, Sacramento, Calif., took honors for the longest drive.

The weekend events continued with additional CE classes offered on Saturday, a bus tour of the ISU campus and an alumni picnic held at Upper Ross Park.

The highlight of the reunion was the Saturday evening banquet, where alumni and friends dined and listened to Dr. Manasse share his presentation, “That was then... This is now!” on the changes in pharmacy over the past 90 years. Manasse reviewed social, economical and political events which occurred in the early 20th Century and impacted the development of the profession during that time.

For example, the flu pandemic of 1918, he said, killed more people than the losses of WWII. He also noted that a reform of false patent medicines and changes in the medical profession were eventually addressed.

Citing Donald Francke’s Prescription for Pharmacy in the Future, published in 1974, some of the predictions Francke asserted include:

- “Pharmacists should collaborate with physicians, nurses and other members of the health care team...
leaders in pharmacy

Photographs ~ Pictured clockwise are:
- Michael, '74, and Dianne '73, McClusky
- Ron, '77, Dale Fayle, '78, Marianne, '53, and Bobby, '54, Endo and Carla Rowe, '70.
- Doug, '54, and Ginny Nau and Ann and Moon, '54, Wheeler
- Robin Kent, '03, and Wright Hanks, '43.
- James, '65, and Mary Fran Brown
- Jacqueline Brown, '09, Brittni Mohlman, '09, Theresa, Alan, '81, and Spencer Chin.

- Pharmacists should be supported by trained pharmacy technicians
- With the availability of pharmacy technicians, half of the colleges of pharmacy in the U.S. should close because their products would no longer be needed except to chain drug stores which we hope will be converted to patient medicine and general stores.

While some of these predictions did hold true, others didn’t.
Manasse said it is time for “a call for action” among members of the profession, adding that those in the profession should be accountable for rational drug therapy; assure our competence with confidence in our credentialing; structure accredited education for pharmacy technicians; have board certification and licensure for advanced practice in ambulatory care; students should complete a residency for patient care services; affirm the profession’s covenant with patients and to stop confusing the “commercial world” with the world of patient care.

The evening program concluded with video presentations from former deans, Arthur A. Nelson, '87-'94 and Barbara G. Wells, '95-'2000, who were unable to attend. In addition, recognition awards were presented to members of the oldest class in attendance. Wright Hanks, Pocatello, and Harold Driver, Provo, Utah, both graduates of the class of 1943, were presented with a copy of Dean Emeritus Frank P. Cosgrove’s “Remember when...The history of Idaho State University College of Pharmacy 1918-1990.”

To see additional photos from the reunion, go to pharmacy.isu.edu
Women in Pharmacy

Pharmacy professionals share career experiences with students

About 50 Idaho State University female pharmacy students and their guests took advantage of listening to a variety of role models and mentors during the College of Pharmacy’s “Women in Pharmacy” banquet held in Pocatello in mid October.

The students gathered for a dinner with a special guest at each table at Juniper Hills Country Club before participating in a panel discussion following dinner. Guests included practicing pharmacists and pharmacy professionals from throughout the United States who came to southeast Idaho for this event sponsored by the ISU Professional Pharmacy Student Alliance.

“I think this event is wonderful,” said Ellen Joy Plein, Ph.D., a 1947 graduate from the ISU College of Pharmacy who traveled from Seattle to attend. Plein is a professor at the University of Washington. “I think this is the first pharmacy school that I know of to do this. I congratulate them for the fine idea.”

More and more women are entering the field of pharmacy and nationwide there are now more women enrolled in pharmacy colleges than men.

“We’re just changing the mentality of what a pharmacist looks like,” said Paula Shaffer, R.Ph., pharmacy district manager based in Boise for Sav-on Pharmacy, “Pharmacy is no longer a male-dominated profession and there are a lot more women entering the field. An event like this helps us have a unique repertoire with students and build relationships, which is good for both the students and for us.”

Another panelist, Michelle Belsey, R.Ph., vice president, college relations and professional recruitment for Rite Aid, based in Camp Hill, Penn., said this interaction was valuable.

“This has been a great opportunity to bring attention to the issues faced by women in the profession,” Belsey said. “I think the students need to look at the benefits companies offer for women to take care of their families, and also look at companies that support women’s health issues.”

The interaction was well received by students who attended. Brittany Woodhouse, a third-year ISU College of Pharmacy student, summed up many of her peers’ impressions of the evening.

“I thought the Women in Pharmacy Dinner was an amazing event,” Woodhouse said. “It was inspirational to see so many successful and dedicated female pharmacists who have been pioneers and examples in their field. I hope to follow in their footsteps as I progress in my career as a pharmacist.”

Classmate Jacqueline Brown agreed.

“This was my first opportunity to celebrate the many talented women contributing to the practice of pharmacy,” she said. “Marian Maxwell embodies advanced pharmaceutical care through her contributions in the critical care unit and academia. Her pursuit of knowledge and growth within the profession has inspired many of my colleagues and myself to take advantage of learning opportunities that lead pharmacists to improving patient care, even if we must start programs from the beginning.”

Panelists for the first Women in Pharmacy dinner include, l to r: Michelle Belsey, Barb Mason, Marian Maxwell, Marilyn Silcock, Kristina Jonas, Paula Shaffer, Joy Plein, Katherine Hope, Anna Ratka and Debbie Marchetti.

To see biographies of the Women in Pharmacy panelists, go to pharmacy.isu.edu

Other panelists included Barb Mason, Pharm.D., ISU College of Pharmacy professor, Department of Pharmacy Practice and Administrative Sciences – VA Medical Center, Boise; Kristina Jonas, Pharm.D., Wal-Mart Pharmacy, Boise; Debbie Marchetti, Pharm.D., Albertsons/SavOn Pharmacy manager, Pocatello; Marian Maxwell, Pharm.D., Critical Care Pharmacist, St. Patrick Hospital, clinical associate professor, University of Montana, Missoula, Mont.; Anna Ratka, Ph.D., Pharm.D., Texas A&M, Health Science Center, College of Pharmacy Chair and Professor Department of Pharmaceutical Sciences, Kingsville, Texas and Marilyn Silcock, Pharm.D., Portneuf Medical Center, director of Pharmacy, Pocatello.

by Andy Taylor, University Relations
Whether it is through research partnerships or private support from individuals, corporations and foundations, your assistance helps ensure a quality of education and provide our students with scholarships, up-to-date classrooms and laboratories. This year, scholarships awarded to students totaled $288,257, up significantly from five years ago when scholarships awarded totaled $113,000.

Thank you all for your continued support.
Dan Dean
Director of Development

Alumni and friends of Idaho State University College of Pharmacy play an enormous role in ensuring a great education for our students by helping create a talented, well-rounded graduate.

The College of Pharmacy hosts several events for our alumni, students and friends throughout the year, including the recent 90th anniversary celebration and the annual White Coat Ceremony. We also host picnics, dinners and other receptions throughout the year—which can be underwritten by you, the donor. The college also produces many professional publications which need your support.

Thank you for your generous support

Albertson's/Sav-on
ALSAM Foundation Minority Scholarships
Michael Edward Araki-Kawaguchi Scholarship Endowment
The Asian-American College of Pharmacy Alumni Scholarship Endowment
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The Dr. Jeffery A. & Dr. Patricia Bartlome Ikenberry Memorial Endowment
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Colonel Garth H. Holmes Scholarship Endowment
Idaho Society of Health-Systems Pharmacists

Past Presidents of ISPA Scholarship Endowment
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Ralph E. and Betty L. Smith Scholarship Endowment
William G. Story Memorial Scholarship Endowment
Roy Y. and Linda Sumida Scholarship Endowment
Dr. George and Kimi Tanbara and family
The Bolujo F. Tunarebori Memorial Scholarship Endowment
Lawrence W. and Debra L. Updyke College of Pharmacy Endowment
Sam Viersen Family Foundation, Inc.
Guy Curtis Waid, MD Memorial Scholarship Endowment
Wal-Mart
John O. and Ester L. Wallace Endowment in the College of Pharmacy
Richard M. and Barbara G. Wells Scholarship Endowment
Rosemary Sampson Wells Scholarship Endowment
Tim and Carol Westby Pharmacy Scholarship Endowment
Ralph Merrill “Moon” & Ann F. Wheeler Endowment
Family and friends of Robert Joosten start memorial scholarship endowment

When 1980 College alumnus Robert D. Joosten died earlier this year of pancreatic cancer, a significant void was left in the pharmacy community of southern Idaho. Robert, an 18-year pharmacist in the Burley area, was employed with the Burley Regional Medical Center at the time of his death.

Robert's wife, Jane, says her husband of 25-years was passionate about his work, the patients he counseled, and the mentoring he provided to pharmacy students during rotations and technicians he trained.

During his career, Robert was the recipient of several pharmacy and community awards including the Best Pharmacist Award from the South Idaho Press and District Award of Merit from the Boy Scouts of America. During his time at Idaho State University, pharmacy professors such as Drs. Robert Goetsch, Robin Dodson and Sandra Jue taught Robert. Classmates Bob Esp, '79, and David Easley, '79, were longtime friends of Robert's and alumni Drs. Greg Betts, Jr., '80, and Karen Sandmann, '90, who were also colleagues in health care. He spoke of his co-workers as if they were members of his family.

His passion for helping others was not only exemplified in his profession, but also carried throughout his life, says Jane. He was a great source of comfort and support to her and their two children, Geoff and Becky. He encouraged their children to be the best they could be in their respective careers, Jane added.

Robert was also a great cook and loved to ski. In fact, he missed having his senior picture taken at college due to a ski trip, likely at Grand Targee Ski Resort, a favorite slope of his. As a member of the Rupert United Methodist Church, Robert served in the United Methodist Men's Group Boy Scouts of America and the Order of the Arrow.

Pancreatic cancer is sometimes referred to as a “silent disease” because early pancreatic cancer often doesn’t cause symptoms. Each year, approximately 37,680 people in the U.S. are diagnosed with this condition, with less than five percent of those living after five years following treatment, according to the Pancreatic Cancer Action Network (PanCAN).

In recognition and celebration of Robert's life and career as a caring pharmacist, and to help qualified students who share in his passion for the profession, family and friends are joining the College of Pharmacy at Idaho State University in the building of The Robert D. Joosten Memorial Scholarship Endowment at the Idaho State University College of Pharmacy. Pledges to secure this endowment may be made payable to the ISU Foundation and mailed:

Idaho State University College of Pharmacy
921 S. 8th Ave. Stop 8288
Pocatello, ID 83209-8288
For additional information, contact Dan Dean, Director of Development, (208) 282-3655 or dandean@otc.isu.edu.

College faculty, alumni start 90th year fund

The College of Pharmacy continues to celebrate 90 years of providing the best pharmacy education for future leaders of the profession. We are thankful for the longevity of our institution, and to the generations of dedicated pharmacists who began their careers here at Idaho State University.

While we continue to do our best in preparing leaders in pharmacy, often, we need assistance from friends and former students to ensure no student leaves here without the best education.

In celebration of our 90 years, a special funding program to assist students in emergency situations has been established with the College. Whether it be needed for funds for books, housing, scholarships or student organizational travel expenses, we want to make sure each student is able to reach their potential without too many financial concerns while in school.

The Student Support Fund provides assistance to meet these needs. Your gift of just a day's pay—or more if you choose—could help make a student's day!

"Earning my pharmacy degree has given me so much through the years, it's easy for me to give back," said alumnus Kay Walters, '66, Durham, Calif.

Gifts may be made to the College in one payment, or over 12 months. For example, a $1,000 gift for three day's pay; $750 for two day's pay, or $350 for a day of pay may be sent in at a rate of $90, $60 or $30 per month, respectively. Any way you can assist in the 90th Anniversary Student Support Fund is greatly appreciated.

Dr. Joe Steiner and Dr. Paul Cady have already committed $1,000 each, and other alumni have as well.

We hope this will become a legacy to help our students celebrate as alumni in the future anniversaries of their alma mater, Idaho State University College of Pharmacy, founded in 1918.

Please see enclosed envelope for gift details.
Endowment gift assists Turgoose family

Michael and Robyn Prime continue to support student-scholarship needs

“I really have fond memories of attending Idaho State University,” says Michael Prime. “It was probably one of the best times of my life.”

Michael and his wife, Robyn, recently contributed more than $20,000 towards the Michael and Robyn Prime Scholarship Endowment in the College of Pharmacy. The endowment, established in 2000, has assisted Pharm.D. students for almost a decade.

Michael and Robyn are both ISU alumni and longtime supporters of the College of Pharmacy. Michael is a 1970 Pharmacy graduate while Robyn earned a business administration degree with a physical education minor the same year. Today, they reside in Chico, Calif.

The 2008-2009 Prime Scholarship recipient, George Turgoose, second-year student and father of three children, says financial support from the Prime Scholarship helps relieve the pressure from other financial commitments.

“As a husband and a father of a young family, receiving this scholarship money makes it easier for me to focus on my education and helps relieve financial burdens,” George said.

Scholarship recipient George Turgoose and his family include: Debra, Bryson, Carter, George and Abigail (inset) who was born on October 27, 2008.

Michael retired as vice president of franchise operations, and cofounder for OptionCare, a national provider of intravenous home therapy. Through an endowment founded in their name with OptionCare, the couple has provided this generous gift to the College.

“The students attending ISU are the cream of the crop and they deserve help and we enjoy helping them,” Michael said.

Walgreens gift to aid in diversity programs

Walgreens has donated more than $1 million annually to support initiatives dedicated to promoting diversity at the nation’s pharmacy schools, including the College of Pharmacy here at Idaho State University.

Walgreens District Pharmacy Supervisor Scott Fleming, RPh., Boise, presented the College with a $10,000 check in October, with a commitment yearly to aid in efforts at increasing diversity among students.

This unprecedented commitment reflects Walgreens strong presence and continued growth in the country’s most diverse communities, as well as its dedication to advancing the field of pharmacy, according to a company release.

This initiative is the latest in the Walgreens long history of providing support to pharmacy schools and aspiring pharmacists. Last year, Walgreens donated more than $9 million in educational assistance to thousands of student pharmacists.

“Walgreens has been one the College’s best corporate sponsors for student scholarships,” said Dan Dean, Director of Development. “Scott Fleming’s availability to our students, and sincere interest in their future success is amazing. We look forward to continuing our relationship with one of the premier retail pharmacy companies in the US.”

In Memoriam...

Hugh Castle, ’50, Pocatello, July 17, 2008
Leon Celmer, ’56, Sachse, Texas, May 27, 2008
Wayne Crosby, ’60, Eagle, September 15, 2008
Charles Elzinga, ’48, Brigham City, Utah, June 1, 2008
Alfred Hargrave, ’48, Tacoma, Wash., July 18, 2008
Lael Johnston, ’52, Corvallis, Oregon, September 7, 2008
Mary Miller, ’43, Wendell, July 3, 2008
Dr. Christopher Owens is new PPRA chair, Dr. Richard Rhodes to serve as College experiential coordinator

Dr. Christopher Owens, Pharm.D., has accepted the position of Chair with the Idaho State University College of Pharmacy’s Department of Pharmacy Practice and Administrative Sciences. Owens joined the faculty at the College in 2003 and is currently an associate professor. He graduated from here with his Doctor of Pharmacy degree in 2002 and completed a residency in ambulatory care at the Southeast Idaho VA Outpatient Clinic in 2003.

In 2005, he received Board Certification as a Pharmacotherapy Specialist (BCPS). He served as interim vice-chair of the department and as director of experiential education from 2007-2008. Before entering the professional pharmacy program at ISU, he served as a hospital corpsman in the US Naval Reserve and earned a BA degree in German/Philosophy at Utah State University.

As a faculty member, Dr. Owens is involved in the Idaho Drug Utilization Review (DUR) program, which provides analyses of Idaho Medicaid pharmacy and medical claims data and recommendations to the Idaho Department of Health and Welfare. The program also has an educational mission and provides information to improve patient care to physicians and pharmacists throughout the state. As an instructor at the College, Dr. Owens coordinates or lectures in a variety of clinical courses for pharmacy, physician assistant, nursing and physical therapy students. He also coordinates an elective course on complementary and alternative medicine and provides instruction to first-year pharmacy students on medical ethics and professionalism.

Dr. Owens’ research and scholarly interests include topics in drug utilization review and ethics in pharmacy practice. He has authored or co-authored several publications in medical and pharmacy journals involving work from the DUR project and has presented more than a dozen posters showcasing DUR-related work at state and national pharmacy meetings. For his work in medical ethics, he draws upon his undergraduate background and collaborates with Dr. Ralph Baergen, a professor in ISU’s Philosophy Department. Together they have received grants from ISU’s Faculty Research Committee and the Humanities/Social Sciences Research Committee; been published in the medical and pharmacy literature, and have a number of manuscripts in submission.

To date, their most important work is an article entitled “Revisiting pharmacists’ refusals to dispense emergency contraception” which was published in the Journal Obstetrics and Gynecology in November, 2006, in response to an article printed earlier that year in the same journal. The original article called into question pharmacists’ professionalism and ability to contribute to patient care and received national notoriety with pharmacy organizations. The response by Drs. Baergen and Owens defended pharmacists’ professionalism, outlined the principles of pharmaceutical care and put forth a principle of conscientious refusal to dispense.

Dr. Owens is an active member of the profession and has a practice site at the HealthWest Clinic in Pocatello and provides relief work at community pharmacies including ShopKo, Kmart and Walmart. He has received a number of awards, including the Mylan Excellence in Pharmacy Award and has been named Teacher of the Year in three of his six years as a faculty member. He regularly presents at ISU Spring Continuing Education Conferences and has been a guest speaker at state and national pharmacy meetings. He is a member of the American Association of Colleges of Pharmacy (AACP), American College of Clinical Pharmacy (ACCP), the American Society of Health-System Pharmacists (ASHP), and the Idaho Society of Health-System Pharmacists (ISHP).

Professor Richard Rhodes, Pharm.D., has accepted the position of Director of the Experiential Education Program with the Department of Pharmacy Practice & Administrative Sciences. Dr. Rhodes is responsible for overseeing the planning and implementation of the program including both Advanced Pharmacy Practice Experiences (APPEs) and Introductory Pharmacy Practice Experiences (IPPEs). His duties include coordination of experiential programs for P-1 through P-4 students, prioritizing short- and long-term goals; preceptor recruitment and retention; development and evaluation of programs, sites, and personnel; and monitoring programmatic expenses. In addition, Rhodes will continue his teaching, scholarship, and committee duties.

Rhodes received his Pharm.D. in 1983 from Mercer University Southern School of Pharmacy in Atlanta, Georgia. He subsequently completed an ASHP residency and geriatric research fellowship at the University of Colorado and VAMC in Denver. He joined the ISU College of Pharmacy faculty in July of 1987.

“With the severe shortage of qualified faculty that academic pharmacy faces and the even more severe shortage of those interested in academic administration, we are very fortunate to have two well qualified leaders within our own College who have stepped forward to assume these important duties,” Dean Joe Steiner said.
Drs. Crowell, Jantz join College faculty

Two individuals have joined the College of Pharmacy in administrative and clinical teaching positions. Pamela Crowell, Ph.D., has been named the new vice president for research at Idaho State University as well as professor for the College. She began her duties at ISU at the start of the 2008-09 fiscal year on July 1. Also joining the faculty is Jolie Jantz, Pharm.D., who is teaching at the College’s Coeur d’Alene site.

Prior to coming to ISU, Crowell served as associate dean for research and graduate education at the Indiana University Purdue University Indianapolis School of Science where she has been the associate dean since 1995 and is tenured faculty in biology. As associate dean she has led IUPUI development and administration of science research centers and facilities, research collaborations, grants and contracts, and graduate programs.

Crowell earned her Ph.D. in biochemistry from the University of Wisconsin-Madison in 1998 and received a Bachelor of Arts degree in chemistry from Augsburg College, Minneapolis, Minn., in 1981. After completing postdoctoral training in oncology at the University of Wisconsin-Madison and at Eli Lilly & Co., she joined the IUPUI faculty as an assistant professor of biology in 1993.

She has been an active researcher, administrator, teacher and mentor during her academic career. Her primary research emphasis is in cancer pharmacology and she has received cancer research grants from the National Institutes of Health, private foundations and industry. She has authored 27 manuscripts and has served on the editorial board of the Journal of Pharmacology and Experimental Therapeutics. While at IUPUI, Crowell has mentored more than 40 graduate students, undergraduate students and postdoctoral scientists.

College of Pharmacy alumnus Jolie Jantz, ’07, has joined the faculty as a visiting clinical assistant professor in Coeur d’Alene, Idaho at Kootenai Medical Center (KMC).

Jantz, who is the preceptor for fourth-year pharmacy students at KMC, oversees ambulatory care projects, medication therapy management for inpatients, internal medicine and rehab patients.

After earning her Pharm.D., Jantz went on to serve a pharmacy practice residency with Intermountain Healthcare in Provo, Utah. She holds a BA degree in biology from the University of Colorado in Boulder.

MORE WAYS TO GET ISU COLLEGE OF PHARMACY NEWS & INFORMATION

If you are not receiving The Refill, ISU College of Pharmacy’s monthly electronic newsletter, or if you are not checking the pharmacy.isu.edu website, then you may have missed some recent stories and events.

• ISU College of Pharmacy “California Connection” Alumni Dinner, January 16, 2009, Hyatt Regency, Sacramento, Calif. For more information, contact Dan Dean, Director of Development, at (208)-282-3655 or dandean@pharmacy.isu.edu

• Five students and faculty members teamed up to write health care editorials for the Pocatello Idaho State Journal. To read each of these weekly guest commentaries that were published during October in recognition of American Pharmacists Month. Go online at pharmacy.isu.edu/live/apm/

To receive The Refill, e-mail editor@pharmacy.isu.edu
Find other information online at: pharmacy.isu.edu
Faculty accomplishments for the reporting period of April 18, 2008 to September 1, 2008 are as follows:

**PRESENTATIONS**


James C.K. Lai was an invited Speaker in the Session on “Bioinformatics on Nanotoxicity and the Environment” in the 19th World Multiconference on Systemics, Cybernetics and Informatics: WMSCI 2008, organized by the International Institute of Informatics and Systemics, June 29th-30th and July 5th, 2008, Orlando, FL, USA; his talk was entitled: “Cytotoxicity of Metallic Oxide Nanoparticles: New Insights into Methodological Problems and Advances in Elucidation of Underlying Mechanisms.”.

James C.K. Lai gave a Joint Presentation with Dr. Golam M.J. Chowdhury (main speaker) in a talk in the Session on “Bioinformatics on Nanotoxicity and the Environment” in the 19th World Multiconference on Systemics, Cybernetics and Informatics: WMSCI 2008, organized by the International Institute of Informatics and Systemics, June 29th-July 2nd, 2008, Orlando, FL, USA; the talk was entitled: “Nanotoxicity Studies of the CNS: Potential Application of Magnetic Resonance Spectroscopy Methods.”

James C.K. Lai gave a Joint Presentation with Dr. Christopher K. Daniels (main speaker) in a talk in the Session on “Bioinformatics on Nanotoxicity and the Environment” in the 19th World Multiconference on Systemics, Cybernetics and Informatics: WMSCI 2008, organized by the International Institute of Informatics and Systemics, June 29th-July 2nd, 2008, Orlando, FL, USA; the talk was entitled: “Interactome Mapping using Pathway Analysis as a Tool for Making Sense of Microarray Data.”

James C.K. Lai gave a Joint Presentation with Dr. Solomon W. Leung (main speaker) in a talk in the Session on “Bioinformatics on Nanotoxicity and the Environment” in the 19th World Multiconference on Systemics, Cybernetics and Informatics: WMSCI 2008, organized by the International Institute of Informatics and Systemics, June 29th-July 2nd, 2008, Orlando, FL, USA; the talk was entitled: “Environmental Effect: Comparison of DNA Transport with Proteins at Various pHs with and without Surfactants.”


**POSTER PRESENTATIONS**


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PUBLICATIONS


Karl Madaras-Kelly, Recipient of the Outstanding Student (Sharon Wong, PharmD) Most Influential Professor Award, May 2008, College of Pharmacy, Idaho State University.

James C.K. Lai was invited (together with Dr. Solomon W. Leung, Idaho State University College of Engineering) to co-organize and co-chair a Session on “Bioinformatics on Nanotoxicity and the Environment” in the 19th World MultiConference on Systemics, Cybernetics and Informatics: WMSCI 2008, organized by the International Institute of Informatics and Systemics, June 29th-2nd, 2008, Orlando, FL, USA.
90th Anniversary Student Support Fund!
Idaho State University
College of Pharmacy

This year we continue to celebrate 90 years of *Preparing Leaders in Pharmacy*. We’ve had the party—now we would like to create a legacy.

To commemorate this landmark for our institution, what would be more appropriate than developing a means to assist students?

Please join Dr. Paul Cady and myself in the establishment of a fund to help students in emergency situations through scholarships and funds needed when hardships occur. We have each committed $1,000, and other alumni and friends have as well.

Please join us with your commitment listed in the enclosed envelope in the *Pharmacy Bulletin*.

We hope this will become a legacy to help our students celebrate as alumni in the future anniversaries of their alma mater, Idaho State University College of Pharmacy, founded in 1918.

Thank you,
Joe Steiner
Dean & Professor