

WYOMING *Scripts*

ANNUAL REPORT
AND NEWS • 2011



(L to R) Roberta Shepperson (class of 2013)
and Dr. Glaucia Teixeira discuss a parenteral
preparation during Sterile Products Lab.



UNIVERSITY OF WYOMING

SCHOOL OF PHARMACY

FROM THE DESK OF DEAN VANDEL

STATE OF THE SCHOOL OF PHARMACY

Alumni and Friends of the School of Pharmacy:

Welcome to the sixth edition of *Wyoming Scripts*. The School of Pharmacy (SOP) is grateful to RxPlus Pharmacies, the Wyoming Pharmacy Association, and the Cheyenne Regional Medical Center for their sponsorship.

The 2010–11 fiscal year has been busy and exciting for SOP faculty, staff, and administration. This past summer and early fall have been challenging. The university invested over \$1 million in stimulus funds to upgrade the pharmacy wing of the Health Sciences Center. The project consisted of asbestos abatement; heating, ventilation, and air conditioning replacement (including all duct work); and installation of new fire retardant and alarm systems, exhaust hoods, and door locks. Needless to say, we had a disruptive summer, and the project was not finished by the time the students and faculty returned for the fall semester. We have discovered that “to have gain you must endure the pain.”

I would like to enumerate some of the highlights of this past year:

- ▶ The class of 2011 was composed of 48 Doctor of Pharmacy graduates.
- ▶ School alumni make up 76.3 percent of active (practicing) pharmacists in Wyoming.
- ▶ Of our graduates, 39 percent of 2009 and 48 percent of 2010 are practicing in Wyoming.
- ▶ Direct patient care was provided by students and clinical faculty for at least 20,500 patients from May 2010 to April 2011.



- ▶ For the second year in a row, National Community Pharmacists Association (NCPA) students placed in the top 10 in the NCPA community pharmacy business plan competition.
- ▶ The Drug Information Center answered 909 questions in FY2009–10, including service to representatives of 19 Wyoming counties.
- ▶ Sara Lookabill (2012 Pharm.D. candidate) is a 2011 American Association of Colleges of Pharmacy (AACCP) Walmart Scholar.
- ▶ Jessica Hopper (2012 Pharm.D. candidate) and Juanita Bonner (2013 Pharm.D. candidate) received the first Willits Ethics Summer Independent Study Award for their project in Agua Salada, Honduras.
- ▶ Lisa Ohnstad, an incoming member of the SOP class of 2015, was selected to represent UW as a 2011 Tillman Foundation Scholar finalist.
- ▶ Dr. Linda Gore Martin received the 2010 Pfizer Bowl of Hygeia for Wyoming, the highest national pharmacy award for service.
- ▶ College of Health Sciences Awards went to Dr. Kem Krueger (Innovative Teaching), Dr. Jun Ren (Outstanding Researcher), and Dr. Linda Gore Martin (Career Achievement).
- ▶ Three students matriculated for fall 2010 into the newly approved Doctor of Philosophy in Biomedical Sciences program under the SOP.



- ▶ Participants in the Center for Cardiovascular Research and Alternative Medicine (CCRAM) published 65 papers and made 32 presentations.
- ▶ SOP faculty outside the CCRAM group published 24 papers and made 31 presentations.
- ▶ Mindy Smith (B.S.P. '98) has been named Executive Director of the American Pharmacists Association Foundation.
- ▶ Wendall Gaston (B.S.P. '76) is the 2011 recipient of the American Pharmacists Association Hubert H. Humphrey Award.
- ▶ The Drug Utilization Review (DUR) program sent 587 letters to prescribers concerning potential medication therapy problems for Wyoming Medicaid enrollees.
- ▶ The DUR program held four DUR and PDL working sessions and meetings with decisions being made that directly affect the care of Wyoming Medicaid enrollees and published four newsletters for Medicaid-enrolled health care providers.
- ▶ The school certified 32 students and practitioners in immunization provision.
- ▶ Dr. Bruce Culver and Dr. Jessie Burch were selected as SOP Teachers of the Year.
- ▶ Dr. Michelle Hilaire received a College of Health Sciences Travel Grant, the first for a clinical track faculty member.
- ▶ Dr. Linda Gore Martin is chair of the American Association of Colleges of Pharmacy Social and Administrative Sciences Curriculum Committee.
- ▶ Dr. Jaime Hornecker is the 2010–11 Wyoming Pharmacy Association President.
- ▶ Dr. Jun Ren serves as the editor of *Clinical and Experimental Pharmacology and Physiology* and Associate Editor of *Cardiovascular Toxicology*.
- ▶ Students organized the College of Health Sciences' Health Fair, Operation Diabetes, Operation Heartburn, osteoporosis screening, poison prevention programs to kindergarten and first grade students, drug use and misuse programs to fourth grade students, Pharmacy Frolic 5K run for the Laramie Soup Kitchen, and Brown Bag Medication Reviews at senior housing.

The annual Otis L. Hoy Seminar was held in October this year. The school is preparing for the Accreditation Council for Pharmacy Education (ACPE) visit. This year's presenter was Dr. Peter H. Vlasses, ACPE Executive Director. Dr. Vlasses spoke about the purposes and processes of accreditation to faculty, students, and stakeholders as they

prepared for the stakeholder workshop the next day and as they prepared to assemble the accreditation report to be sent to ACPE prior to the site-visit team's arrival on campus in fall 2012.

The SOP and the College of Business developed a new joint Doctorate of Pharmacy/Masters in Business Administration (MBA) degree. Students will be accepted into both the Doctorate of Pharmacy and the MBA programs. They will then take one year of the business curriculum, followed by the four-year Pharm.D. program and graduate with both degrees. We believe this will be very beneficial to many of our students.

The SOP continues to make commendable progress in achieving its mission to develop a school of excellence in teaching, research, and service at a level desired by our faculty and administration and the College of Health Sciences.



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ALUMNI SPOTLIGHT

SCOT SILBER NAMED 2011 OUTSTANDING ALUMNUS

Scot Silber, R.Ph. (B.S. Pharmacy '82), has been named the UW School of Pharmacy Outstanding Alumnus for 2011. Silber is the President and CEO of GreenValleyMed and NDC Pharmacy, both headquartered in Henderson, Nev., and of the University Specialty Pharmacy in Commerce, Calif. He is also co-founder and chairman of the board of the Nevada Childhood Cancer Foundation (NCCF).

Silber co-founded the NCCF in 1986 and has served as its chairman of the board since 1995. NCCF works side by side with the medical community to provide social, emotional, educational, and psychological support services and programs to families of all children diagnosed with life-threatening or critical illnesses such as cancer, HIV/AIDS, sickle cell, hemophilia, renal disorders, and immunologic diseases. Silber credits what he has learned from working with NCCF to how he approaches his business. He says, "Although I do love what I do for a living and feel extremely lucky to be doing it, there is nothing more rewarding for me than working with these amazing children and families." He adds, "My work with the NCCF gives me a great perspective on what really matters, and that mindset I believe has been extremely beneficial in my business ventures. While it is a business, we are providing medications that are essential to people's health every day, and that is at the forefront of my mind every day when I go to work."

For his community service work, Silber received the prestigious Bowl of Hygeia award for the state of Nevada in 2002. In addition, the SOP is very grateful to Silber and his wife, Nancy, for supporting the school. They have contributed needed supplies to the Sterile Products course and lab. Their support has made it possible for students to continue to learn this critical piece of pharmacy in a hands-on educational setting. In addition, the Silbers sponsored a complete redecorating of the SOP student lounge.

Silber is a preceptor for the University of Southern Nevada College of Pharmacy Sterile Products course and labs and is a member of the SOP Dean's Advisory Council.

Note: The SOP is looking for successful graduates who would like to be considered for one of our outstanding alumni awards. Interested alumni are asked to submit their CV to the Dean.



Nancy and Scot Silber are pictured in the newly remodeled Student Activities Center. They were honored during the Alumni Reception in October for their support to the school and for sponsoring the center's remodeling.

ISABEL BULL SHARES A LONG FAMILY HISTORY IN PHARMACY

Isabella Roedel-Bull, or Isabel as she likes to be called, was one of the first women to graduate from the UW SOP. She attended the school when pharmacy was just opening up for women and only three women were in her 1954 pharmacy graduating class of 15. Isabel had pharmacy in mind from the start of her college years. Her grandfather, father, and brother were pharmacists, and her family owned and operated Roedel Drugs in Cheyenne, Wyo. for 117 years. After graduation, Isabel went back to Cheyenne and worked in the store for over a year and then married and moved to Peoria, Ill., where she still lives with her husband, George. Isabel and George are longtime supporters of UW and the SOP.

MINDY SMITH NAMED APHA FOUNDATION EXECUTIVE DIRECTOR

The American Pharmacists Association (APhA) Foundation announced earlier this year that Mindy Smith (B.S. Pharmacy '98) was named the organization's

new executive director. Smith is charged with leading the foundation's operations, research objectives, and strategic direction; providing support and guidance to the board of directors; and monitoring pharmacy trends to maintain the foundation's forward-facing mission. Smith joined the APhA Foundation from her position as chief executive officer of the Arizona Pharmacy Alliance (AzPA). Prior to AzPA, Smith served as executive director of the Wyoming Pharmacy Association.

WENDALL GASTON RECEIVES APhA'S HUBERT H. HUMPHREY AWARD

Wendall Gaston (B.S.P. '76) is the 2011 recipient of the APhA Hubert H. Humphrey Award. He was selected in recognition of his lifelong dedication to the profession of pharmacy and passion for health care, politics, and community and public service. Gaston is currently the pharmacy manager at Safeway Food and Drug in Sidney, Nebr. He continues to be active within the UW SOP and has been a member of the school's advisory committee since it was formed in 2004. Gaston credits his experience at UW for molding his professional life and career.

OLALEKAN AJAYI ACCEPTED INTO CRA PROGRAM

Olaekan (Lekan) Ajayi (Pharm.D. '09) has been accepted into the Masters in Clinical Research Administration program at George Washington University. He is a pharmacist with the Sheridan Memorial Hospital in Sheridan, Wyo. Ajayi points out that the rigorous curriculum focuses on regulatory requirements, ethical issues, and processes that are involved in developing treatment protocols for patient care. He is interested in the application of these principles to successfully conduct clinical trials within the international community through bodies such as the World Health Organization.

CLASS OF 2011

The following 48 members of the UW School of Pharmacy Class of 2011 graduated on May 7th: Madison Aaberg, Jordan Autrey, Derek Barsness, Alan Bartolucci, Jonathan Beattie, Angela Bradley, Troy Brin, Carla Burnette, Ashley Colyer, Amber Covey, John Darnell, Mohammad Elhomsy, Jessica Fonseca, James Fox, Kelsey Gilmour, ThuyVi Hoang Cao, Shelley House, Lindsay Hueckstaedt, Crystal Huntrods, Neal Hurst, Trent Jebens, Jodi Johnson, Tara Lange, William Malik, Jackie Maris, Matthew Martineau, Kurt Matkin, Yuan Hua McDermott, Kellie Nevins, Tynisa Pearson, Joshua Pecoraro, Cody Plaisted, McKay Robinson, Tim Schick, Matthew Sellers, Teshia Sorensen, Stephanie Stieb, Ashley Stromberg, Christi Swaby, Patricia Taylor, Brien Thompson, Yu Ting Ti, Bonnie Walno, Jessica Williams, Jennifer Wolfe, Mattie Wyatt, Liqun Yang, and Ronald Yoxey. With these fine graduates, the UW School of Pharmacy continues to achieve its objectives to provide and sustain knowledge, skills, attitudes, behaviors, and values necessary to develop outstanding pharmacists capable of delivering interdisciplinary patient-centered care in a rural-frontier environment.

ALUMNI RECEIVE AWARDS

During the 94th Annual Wyoming Pharmacy Association/Wyoming Society of Health-System Pharmacy Convention in Casper in June, school alumni were honored.

Bowl of Hygeia Award

Don Porter, R.Ph. (B.S.P. '65), received the Bowl of Hygeia Award for the state of Wyoming. The award is presented by the APhA Foundation and NASPA to individuals who have devoted their time, talents, and resources to better their communities and the profession of pharmacy. Among his many community activities, Porter is an active member of the First United Methodist Church; member of the Board

The class of 2011 gathered for a group photo prior to commencement ceremonies in May.





John Vandell (L) presents Don Porter with the 2011 Bowl of Hygieia Award joined by Porter's daughter Nancy Taylor (Pharm.D. '07).

of Directors of the Weston County Memorial Hospital; trustee of the Manor Board; past director of the Newcastle Chamber of Commerce; and chairman of the Newcastle Retail Merchants Committee. He has been the pharmacist at the UW Student Health Services and recently provided "Know the Facts, Know Your Meds" to seniors around the state.

Innovative Pharmacy Practice Award

The Upsher-Smith Laboratories and NASPA Excellence in Innovation Award for Wyoming was presented to Heidi Cooper-Justus, R.Ph., CACP (Pharm.D. '02). Cooper-Justus is a clinical pharmacy specialist at the Sheridan VAMC in Sheridan, Wyo., and works in the anticoagulation, lipid, and Epoetin clinics. She also reviews long-term care resident charts and non-formulary requests, monitors Hepatitis C treatment, and participates on the hospice/palliative care team. Cooper-Justus became a nationally certified anticoagulation provider in 2008. She serves on the VISN 19 Pharmacy Benefits Management Committee and Pharmacy and Therapeutics Committee at the VAMC and is a preceptor for Pharm.D. candidates from UW and Creighton University.

Health-System Pharmacist of the Year

Matthew Stanton, R.Ph. (Pharm.D. '01), received the Wyoming Health-System Pharmacist of the Year Award from Scot Hildebrand of Pfizer, Inc. Stanton is the Clinical Education Coordinator at the Wyoming Medical Center (WMC) in Casper, Wyo., and is cross-trained to work as a main, ICU, telemetry, overnight, and clinical pharmacist. He has also served on various committees and patient

education sessions, including postoperative education of cardiac patients, and was last year's Wyoming Distinguished Young Pharmacist.

Wyoming Pharmacist of the Year

Scott Soulek, R.Ph. (B.S.P. '90), was recognized as the Wyoming Pharmacist of the Year for his work as an inspirational leader not only in the profession of pharmacy, but also in his community. He has been an advocate for the profession of pharmacy in the long-term care arena for over 10 years and has five years of management and home infusion experience. Soulek is an active member on the Board of Directors for the Wyoming Alzheimer's Association and Casper College's Pharmacy Technician Advisory Committee. He is a certified geriatric pharmacist, a consulting pharmacist, and a compounding pharmacist.



Scott Soulek is presented the Wyoming Pharmacist of the Year Award for 2011 by WPhA President Jaime Hornecker.

Distinguished Young Pharmacist Award

Mollie Jay, R.Ph. (Pharm.D. '08), was recognized as the Wyoming Distinguished Young Pharmacist of the Year. Jay is a member of ASHP, APhA, WPhA, and WSHP and serves on the board of directors for WPhA. She has spoken about various pharmacy education topics, most recently as a math presenter for the 2010 WPhA Technician Conference. Jay has taken an active role in issues that affect Wyoming by being on the Board of Pharmacy E-Prescribing Task Force and was the first person in the state of Wyoming to get 100 percent on the MPJE!

RICHARD WILDER RECOGNIZED FOR 60 YEARS OF PRACTICE

During the WPhA conference, Richard Wilder, R.Ph. (B.S.P. '50), of Cody, Wyo., was recognized for practicing pharmacy for 60 years. He is a member of the first graduating class of the UW SOP and the school's advisory committee. Wilder inspired the attendees by talking about how the profession of pharmacy has changed in the last 60 years. His wife, Marjorie, stated that she has been surrounded by pharmacy her entire life and made everyone laugh when she said that she even has a PHT—Putting Hubby Through. The Wilders are great examples of dedication to the profession of pharmacy and to each other.

RECOGNIZED FOR 50 YEARS OF PRACTICE

Recognized for practicing pharmacy for 50 years were UW alumni John Hickman, R.Ph. (B.S.P. '60); Barry Horn, R.Ph. (B.S.P. '60); James Shawver, R.Ph., (B.S.P. '60); Sally Vandenberg, R.Ph. (B.S.P. '60); Donald Griss, R.Ph.; and Iris Harnagel, R.Ph.



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EOE

Presenters Bessie McGirr (L) and Terry Carr(R) congratulate Wyoming pharmacists honored for 50 years in pharmacy during the WPhA annual convention (center, L to R) Barry Horn, Iris Harnagel, and Sally Vandenberg.



ANNUAL HONORS AND AWARDS BANQUET AND DONOR RECOGNITION EVENING

In addition to honoring the class of 2011, the school awarded scholarships and honored outstanding students, faculty, and preceptors during the annual banquet in April.

2011 AWARD RECIPIENTS

Preceptor of the Year awards for commitment and dedication to the students of the UW SOP were presented to Nancy Sloan from the Regional West Medical Center in Scottsbluff, Neb., and Melanie Townsend from the Billings Clinic-Hospital in Billings, Mont.

The class of 2011 presented Faculty of the Year awards to Bruce Culver (Pharmaceutical Sciences) and Jessie Burch (Pharmacy Practice).

Student award winners were:

Lilly Achievement Award

Kelsey Gilmour

Facts and Comparisons Award of Excellence

in Clinical Communications

Bonnie Walno

McKesson Leadership Award

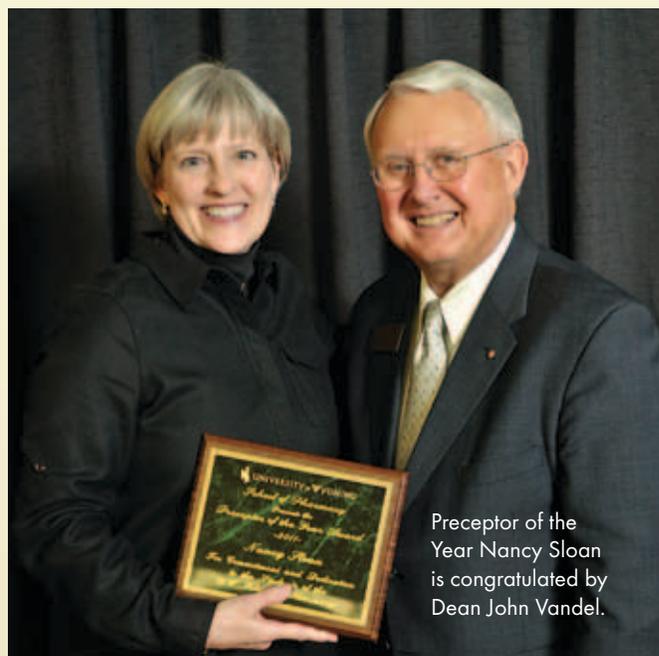
Nathan Temme

Merck Award in Pharmacology and Medicinal Chemistry

William Malik and Matthew Martineau

Mylan Pharmaceuticals Excellence in Pharmacy Award

Teshia Sorensen



Preceptor of the Year Nancy Sloan is congratulated by Dean John Vandel.

Natural Medicines Comprehensive Database

Graduation Award

Madison Aaberg

Teva Pharmaceuticals Outstanding Student Award

Crystal Huntrods

United States Public Health Service Excellence

in Public Health Pharmacy Practice Award

Brien Thompson

Left: Preceptor of the Year Melanie Townsend (Pharm.D. '04) is congratulated by Director of Experiential Education Janelle Krueger and Dean Vandel. Right: Jessie Burch is congratulated by Class of 2011 President Ron Yoxey and Dean Vandel for receiving the Class of 2011 Faculty of the Year Award for Pharmacy Practice.





Left: Nathan Temme is congratulated by Dean Vandel and presenters Donald Updegraff (L), from McKesson, and Associate Professor Carol Kobulnicky for receiving the McKesson Leadership Award. Right: Alumnus Greg Sarchet (Pharm.D. '09), and Dean Vandel congratulate Brien Thompson for receiving the United States Public Health Service Excellence in Public Health Pharmacy Practice Award.

School of Pharmacy Honor Award

Jenna Gradisher

School of Pharmacy Honor Cord

Crystal Huntrods and William Malik

2011 SCHOLARSHIPS

The SOP is pleased to announce that \$64,260 in scholarships were awarded this year thanks to the generosity and support of donors and friends of the school.

Albertsons/Save On

Jamie Joehnck, Mark Harmon, Benjamin Scott

Dean H. John Baldwin Scholarship Fund

Steve Landon, Alex McCurtain

Marilyn Jeanne Baldwin Memorial Scholarship

Bernadine Bunt

Burroughs Wellcome Deans Scholarship

Sara Lookabill, Sarah Pence, Jared Underdahl,
Jonathan Will, Joseph Poling

Earl T. and Charlotte I. Carrico Pharmacy Scholarship

Angela Denke, Randee Gelatic, Adrianna Lindgren,
Melissa Jones, Jenna Allais, Mikal Rutten,
Kara Springer, Han Li, Bobbie Shepperson

CVS Scholarship

Kara Kent, Shelley Wei, Omo Oisamoje,
Thanh-Nga Nguyen, Jennifer O'Day

Dr. Kenneth R. and Nancy D. Henderson Scholarship

Stephanie Kosinski, Stephanie Cohn,
Monique Eboumbou

Edward A. Julian Memorial Scholarship

Samuel Ihunwaeze

B. T. & M. McManus Pharmacy Scholarship

Jennifer Hendricks

Charlotte Myers Scholarship

Leena Myran, Jenna Gradisher

Dr. Shannon Potmesil Memorial Scholarship

Matthew Weingart

Dr. Lindsey Reinhart Memorial Pharmacy Scholarship

Allen Webb

Rho Chi Honorary Scholarship

Megan Saunders

Dennis Mantas Memorial Scholarship

Joseph Poling

RxPlus Pharmacies Scholarship

Morganne Smyth, Jared Underdahl

School of Pharmacy General Scholarship Fund

Michelle Kron, Mikala Henzlik, Kimberly Seratt

Paul Stock Scholarship

Samuel Ihunwaeze, Michelle Page,
Jennifer Hendricks, Benjamin Van Heule

The Robert M. Meeboer Memorial Scholarship

Jeremy Wagner

John and Joyce Vandel Pharmacy Scholarship

Jenna Gradisher, Megan Saunders, Morganne Smyth,
Stephanie Kosinski, Han Li

Chuck Vaughn Memorial Scholarship

Benjamin Van Heule

Walgreens Scholarship

Morganne Smyth

Wal-Mart Scholarship

Lacey Hill



Top: CVS Scholarship recipients are pictured with presenter Tonja Woods (L) and CVS representative TC Trial and Dean Vandel (C). Recipients are (L to R) Thanh-Nga Nguyen, Omo Oisamoje, Jiyng Wei, Kara Kent, and Jennifer O'Day. Bottom: RxPlus Scholarship recipients Jared Underdahl and Morganne Smyth are congratulated by RxPlus Executive Director Grant Kinn (L) and Dean Vandel.





John and Joyce Vandel Pharmacy Scholarship recipients (L to R) Stephanie Kosinski, Han Li, Jenna Gradisher, Megan Saunders, and Morganne Smyth, are congratulated by John and Joyce Vandel (C) and presenter Cara Harshberger.

Kmart Scholarship

Maggie Grooms

Safeway Scholarship

Laurel Peden, Jordan Proctor

Linda Wells Memorial Fund

Pam Darrow, Stacey Veltman

Longs Drugs Scholarship

Michelle Page

NACDS Scholarship

Stephanie Hurley, Michael Hardy

Wyoming Pharmacy Association Scholarship

Erin Nemec, Angela Wilde, Shannon Thomas

2011 PHARMACY STUDENT ORGANIZATION AWARDS

National Community Pharmacists Association Outstanding Faculty awards were presented to Melissa Hunter and Kem Krueger.

National Community Pharmacists Association Member of the Year was Jared Underdahl.

Phi Delta Chi presented its Faculty Appreciation Award to Beverly Sullivan and Staff Appreciation Award to Bobbie Cesko.

The Phi Lambda Sigma Faculty Leadership in Teaching Award was presented to Kurt Dolence.

The American Society of Health-System Pharmacists Member of the Year Award was presented to Amy Borcher.

The Academy of Student Pharmacists Senior Recognition Award was presented to Ashley Colyer.

The Phi Lambda Sigma's Member of the Year Award was presented to Jessica Hopper.

The Academy of Student Pharmacists' Service Achievement Award was presented to Shannon Thomas.

The Phi Delta Chi Brother of the Year Award was presented to James Fox, and the New Brother of the Year Award was presented to Stephanie Cohn.

DEVELOPMENT UPDATE

For the 2010–11 academic year, the SOP continued its efforts to raise dollars for top priorities: undergraduate and graduate student support; faculty support for travel, research, and teaching; and discretionary dollars to provide for unexpected needs including a student emergency fund. These efforts involved both the annual fund and major giving. The school utilizes a team that includes the Dean of the SOP, the Dean of the College of Health Sciences, and the assigned major gift officer. Activities for 2010–11 included:

- ▶ Submission of a proposal to a foundation for a \$7 million building renovation request; this was not funded as such, but this capital improvement request has been included in the UW Capital Improvement plan, and partners are being sought.
- ▶ The ALSAM foundation funded a two-year diversity project (2011–2013) for \$100,000.
- ▶ An alumni gift was received from Scot Silber to renovate the SOP Student Activities Center.
- ▶ Two new scholarship accounts were started by the Robert M. Meeboer and the Julie Ann Young Christofferson families. A gift was also received from the Quentin Hooley estate.
- ▶ The school began the David W. O'Day Finance Campaign in 2007 to raise \$3 million in endowments; the campaign will continue with reimplementations of state matching funds; at this time, \$2.4 million have been raised.



Mike and Melissa Meeboer (L) and Dean Vandel congratulate Jeremy Wagner for receiving the Robert M. Meeboer Memorial Scholarship.



Joseph Poling, the Dennis Mantas Memorial Scholarship recipient, is congratulated by RxPlus Executive Director Grant Kinn and Dean Vandel.

RESEARCH SPOTLIGHT

URANIUM RESEARCH GRANT

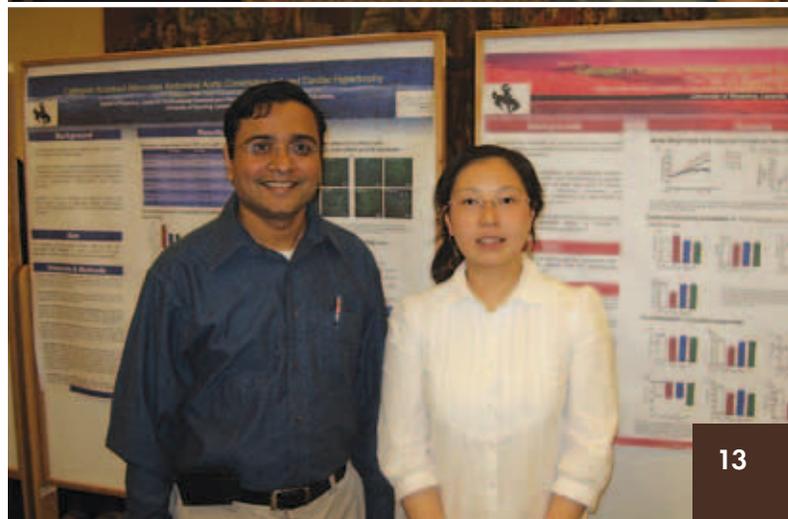
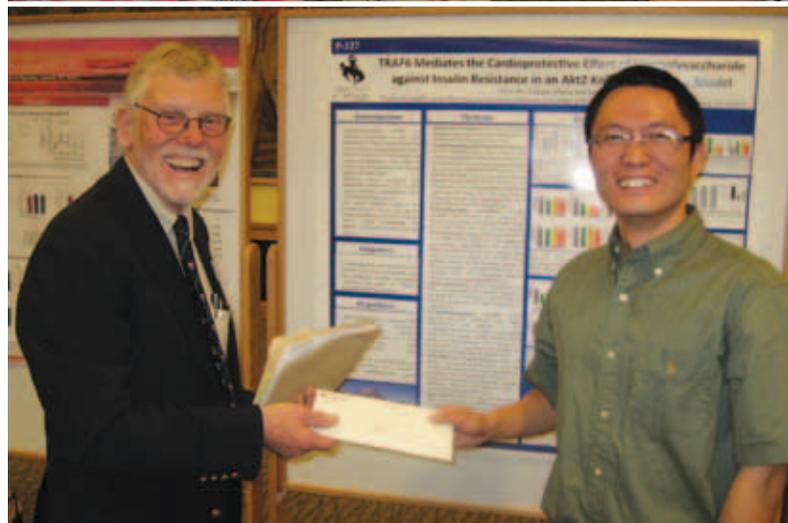
Wyoming has some of the largest uranium reserves and active mines in the U.S. UW SOP Assistant Professor Suzanne Clark, Ph.D.; Professor Katta (KJ) Reddy, Ph.D., with the UW Department of Renewable Resources and School of Energy Resources; Associate Professor Sreejayan Nair, Ph.D.; and Jodi Schilz, M.S., both with the UW SOP; and Dr. Thomas Johnson and Dr. Ronald Tjalkens, both with Colorado State University, were awarded \$100,000 over two years by the Wyoming Legislature's In-Situ Recovery (ISR) of Uranium Research Program through the UW School of Energy Resources to investigate the use of nanoparticles to extract contaminants such as arsenic from production bleed water and to determine extraction efficacy using in-vitro cell-based toxicological test systems. An overarching goal of the project is to convert ISR recovery production bleed water from a waste stream to a useable form.

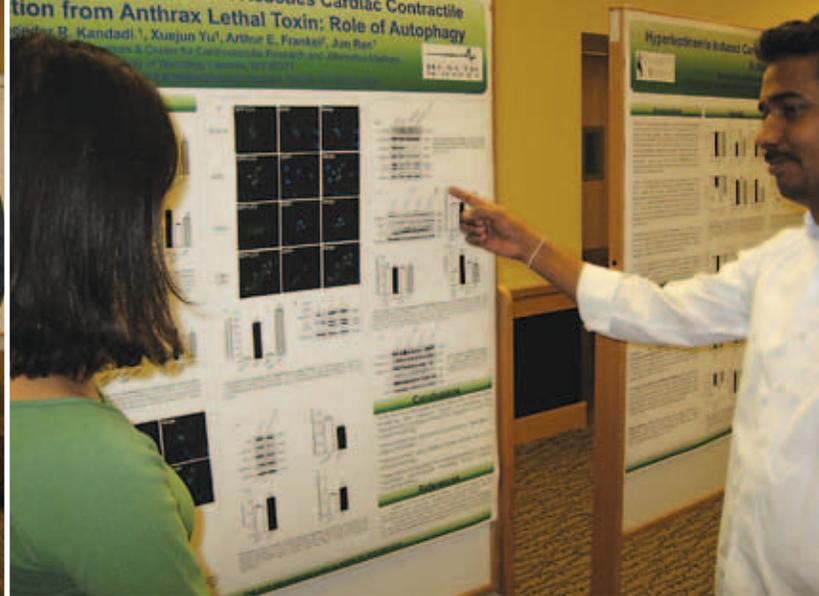
2011 CHS GRAND ROUNDS RESEARCH DAY

The UW College of Health Sciences (CHS) 2011 Grand Rounds Research Day was held in the Family Room of the Wyoming Union April 1. This year's theme was mental health, with national, regional, and on-campus experts addressing a range of topics relating to mental health in general and specific issues pertinent to Wyoming. In addition to the speakers, there was a series of poster presentations, many by UW SOP faculty, researchers and students.

Alex Xu won both the CHS student research and travel grants and Yinan Hua won the best CHS Grand Round presentation award. Both are Ph.D. candidates in the new Biomedical Sciences Ph.D. program at UW. Xu's adviser is Jun Ren, M.D., Ph.D., FAHA, CHS associate dean for research, professor of pharmacology, and director of the Wyoming INBRE Program. Hua's adviser is Sreejayan Nair, Ph.D., director of the Center for Cardiovascular Research and Alternative Medicine (C-CRAM), and associate professor of pharmacology.

Top: Pharmacy student Megan Saunders explains her research poster during UW CHS Grand Rounds Research Day. Second photo from top: Pharmacy student Jennifer Steiner and Nursing graduate student Jen Persson are pictured discussing their poster. Third photo from top: Paul Thomas, professor and associate dean from Kinesiology and Health, presents Alex Hu with the research and travel grants. Bottom: Yinan Hua is congratulated by her adviser, Sreejayan Nair, associate professor of pharmacology and C-CRAM director.





Left: Jun Ren and Sreejayan Nair are pictured with their research students during UW CHS Grand Rounds Research Day. Right: Assistant Research Scientist Machender Kandadi visits with Asli Ceylan-Isik about his poster.

MARTIN AND WOODS RECEIVE AGING DIVISION GRANT

Linda Gore Martin, associate professor of social and administrative pharmacy, and Tonja M. Woods, clinical associate professor of pharmacy practice, received a \$55,000 grant from the Wyoming Department of Health Aging Division to improve medication management literacy and medication-related health outcomes in older adults in Wyoming. The project, “Improving Health Literacy through Medication Management in Older Adults,” involved pharmacists and senior centers throughout Wyoming during the late spring and summer of 2011. Michelle L. Hilaire, clinical associate professor of pharmacy practice, and Jaime R. Hornecker, clinical assistant professor of pharmacy practice, consulted with Martin and Woods on the project.

ETHICS AND MEDICAL MISSION WORK IN HONDURAS

Pharmacy students Juanita Bonner (class of 2013) and Jessica Hopper, (class of 2012), along with their Research Project Faculty Adviser Penelope Caldwell, RN, M.S., C.N.M., assistant lecturer with the Fay W. Whitney School of Nursing, received the Willits Ethics Summer Independent Study Award from the UW Department of Philosophy. This is the first time this award has been given to a group within the CHS. In cooperation with Shoulder to Shoulder, the participating organization that oversees the medical brigades, the grant was used to conduct medical mission ethics research with the UW Honduras Brigade in July of 2011. While on the ground in Agua Salada,

Honduras, patient interviews were conducted to seek the patient perspective on the ethical aspects of the bi-annual brigade missions, and on the home front, pre- and post-trip surveys were conducted with the brigade volunteers to gain perspective on the ethical aspects of the brigade missions from a health care practitioner’s standpoint. All data have recently been compiled and have shown promising results. The grant recipients and associate professors of social and administrative pharmacy Linda Gore Martin, Pharm.D., M.B.A., BCPS, and Carol Kobulnicky, Ph.D., submitted a final report and presented a poster on October 29 to the UW Willits Ethics Committee. This poster will be used for future displays, both on and off campus. The research group will submit their report as a medical journal article for publication in the near future.

ADDITIONAL RESEARCH GRANTS

Other research grants totaled more than \$1.4 million:

- ▶ Jun Ren, \$1,017,432.66, Wyoming IDeA Networks of Biomedical Research Excellence (INBRE)
- ▶ Jun Ren, \$272,000.00, three year American Diabetes Association grant, “eNOS Uncoupling in Diabetic Cardiomyopathy: Mechanisms, Consequences, and Therapeutics”
- ▶ Megan Zhang, \$114,400.00, INBRE support project, “Role of Autophagy and Mitochondrial Function in Obesity-Related Cardiomyopathy”
- ▶ Asli Ceylan Isik, \$57,200.00, INBRE support project, “The Role of Endothelin Receptor-1A (ETA) in Obesity Associated Cardiac Dysfunction”

FACULTY AND STAFF NEWS

ASSOCIATE DEAN CHANGES

Bruce Culver, Ph.D., professor of pharmacology, recently stepped down as the leader of the Division of Pharmaceutical Sciences. He began his term as director of the division in 1999 and was moved into the position of Associate Dean of Pharmaceutical Sciences in 2008. The school thanks him for his 12 years of service in the leadership ranks and welcomes him back as a full-time faculty member. Kem Krueger, Pharm.D., Ph.D., associate professor of pharmacoeconomics and health outcomes research, has been appointed Associate Dean of Pharmaceutical Sciences. Tonja Woods, Pharm.D., associate professor of pharmacy practice, has been appointed Associate Dean of Student Affairs, which was previously held by Beverly Sullivan, Pharm.D., professor of pharmacy practice, who retired in May.

FACULTY RECEIVE CHS AWARDS

The following SOP faculty were honored this year by the CHS:

- ▶ Kem Krueger, associate professor of pharmacoeconomics and health outcomes research, received the Innovation in Teaching Award.
- ▶ Linda Gore Martin, associate professor of social and administrative pharmacy and associate dean for operations and academic affairs, was honored with the Outstanding Career Achievement Award.
- ▶ Jun Ren, professor of pharmacology, associate dean of research, and director of Wyoming INBRE, was named the college's Outstanding Researcher.

TONJA WOODS ATTAINS BOARD CERTIFICATION IN GERIATRIC PHARMACY

Tonja Woods, clinical associate professor of pharmacy practice and pharmacy coordinator for the Wyoming Geriatric Education Center (WyGEC), recently attained board certification in geriatric pharmacy. The purpose of the Certified Geriatric Pharmacist (CGP) credential is to identify and recognize those pharmacists who have expertise and knowledge of drug therapy principles for older adults. There are currently only five certified geriatric pharmacists in the state of Wyoming.

BEVERLY SULLIVAN RETIRES

Beverly Sullivan, Pharm.D., professor of pharmacy practice and associate dean of student affairs, retired at the end of

the spring 2011 semester. Sullivan had been with the SOP for 21 years. During her tenure, she served the school, college, and university in several capacities as an educator, clinician, colleague, researcher, scholar, and administrator. Sullivan retired to Tucson, Ariz., and White Salmon, Wash., but hopes to visit Laramie and the SOP and its faculty, students, and staff frequently.

BOBBIE CESKO HONORED FOR 30 YEARS AT UW

Staff Assistant Bobbie Cesko was honored for 30 years of service during the University of Wyoming Staff Appreciation Day in April. Cesko began her UW career as a secretary for the Department of Agricultural Economics and then went to work for the SOP in 1982. As office manager, she manages all functions of the administrative office in the school, including financial operations.



Bobbie Cesko, who was honored for 30 years of service to UW, is pictured with Dean Vandell after she received the PDC Staff Appreciation Award at the annual banquet in April.



Drug Information Center Director Melissa Hunter (l) and former director, Associate Professor Linda Martin were featured in an article about the center in *UWyo Magazine*.

DRUG INFORMATION CENTER A VALUABLE RESOURCE

The University of Wyoming's Drug Information Center (DIC), directed by Melissa Hunter, Pharm.D., R.Ph, is a valuable resource for all residents in Wyoming and UW pharmacy alumni. Last fall, an article about the center by Dave Shelles, managing editor of *UWyo Magazine* titled "Healthy Interactions—Inside the School of Pharmacy's Secret Gem" was featured in *UWyo Magazine*. As DIC Director, Hunter continues a legacy of service started by the DIC's first director, Associate Professor Linda Martin, Pharm.D., M.B.A., BCPS, who started the center in 1975.

NEW FACULTY

The SOP is pleased to welcome the following new faculty:

Padmamalini Baskaran, M.Pharm., Ph.D., temporary assistant professor, was previously a research assistant professor with the AAB Cardiovascular Research Institute at the University of Rochester Medical Center in Rochester, New York. She



will teach Medicinal and Natural Products Chemistry in the spring semester.

Prior to joining the school as an academic professional lecturer in pharmacy practice, Clay Hurtubise, B.S.P., was the clinical drug trial coordinator for the Maine Medical Center in Portland, Maine. An alumnus of the UW SOP, he will teach the Patient/Professional Interactions, Physical Assessment, and Pharmacy Practice Laboratory courses.



Clinical Assistant Professor of Pharmacy Practice Lanae Salveson, Pharm.D., is an alumna of the UW SOP. She completed a PGY1 residency at the Community Health Center of Central Wyoming in Casper. Salveson's practice setting is the Wyoming Medical Center in Casper. She teaches in the Introduction to Pharmacokinetics and Therapeutics II courses.



Baskaran Thyagarajan, M. Pharm., Ph.D., assistant professor of pharmaceuticals, was previously a research assistant professor with the Division of Nephrology at the University of Rochester Medical Center Department of Medicine in Rochester, New York. He will teach the Dosage Form Design and Biopharmaceutics and Pharmacokinetics courses.



the pharmaceutical science and practice divisions can improve continuity, sequencing, and reinforcement and decrease redundancy within the professional program.

- ▶ “Development of a Rural Track Option for Advanced Pharmacy Practice Experiences,” Jaime Hornecker, Michelle Hilaire and Cara Harshberger. Because Wyoming is considered a rural-frontier state with its unique health care needs, rural track APPEs will better prepare students for their pharmacy careers in Wyoming, as well as other areas of the country with primarily rural populations.

FACULTY AACP PRESENTATIONS

- ▶ “Are We Meeting the ACPE Mandate?: Results of a Replicated Survey.” Kem Krueger was one of two presenters at a program sponsored by the AACP Ethics Special Interest Group (SIG) where he presented the results of a national survey he conducted to identify how much ethics content is included in U.S. pharmacy school curricula and where/how schools are incorporating the material. Krueger was elected chair-elect of the AACP Ethics SIG in 2009 and subsequently served as the SIG’s Chair and Immediate Past Chair.
- ▶ “Integrating the Basic and Clinical Sciences in a Traditionally-Structured Curriculum,” Linda Gore Martin, Katie Thompson, Whitney Buckley, Cara Harshberger, Michelle Hilaire, Jaime Hornecker, Carol Kobulnicky, Janelle Krueger, Amy Stump, and Suzanne Clark. The results showed that cooperation between

BRUCE CULVER NOMINATED FOR HURST AWARD

Professor of Pharmacology Bruce Culver, Ph.D., R.Ph., was nominated for the “James C. Hurst Each Student-A Person Award” by UW student Rachel Johnson from Laramie. The award was established in 1994 by UW’s parents and family association—Cowboy Parents—to recognize a member of UW’s faculty or staff for leadership in creating a warm and caring environment at UW and for demonstrating a unique effort to personalize the student experience.



FACULTY HONORED DURING ANNUAL BANQUET

Among the student organization awards presented during the annual banquet in April, the student chapters of the National Community Pharmacists Association (NCPA) and the Phi Lambda Sigma Leadership Honorary (PLS) presented the following awards: (Left) NCPA Outstanding Faculty Awards were presented to Melissa Hunter (L) and Kem Krueger (C) shown with NCPA President Kara Kent and adviser Dean Vandel. (Right, L to R) PLS adviser Linda Martin, PLS President and Member of the Year Jessica Hopper, Faculty Leadership in Teaching Award recipient Kurt Dolence, and Dean Vandel.



STUDENT NEWS CAPSULES

PHARMACY STUDENTS ATTEND AMCP MEETING

Joseph Poling and Morganne Smyth, members of the class of 2012, attended the AMCP 23rd Annual Meeting and Showcase, April 27–29, in Minneapolis, Minn. The students' trip was funded by the Linda Lee Wells' Charitable Trust. Income from the Wells' endowment funds graduate research assistants and provides scholarships and cash awards for two pharmacy students to attend the AMCP meetings each year.

NATIONAL AACP WALMART SCHOLARS AWARD

Sara Lookabill (class of 2012) received a 2011 AACP Walmart Scholars Award. She is the first recipient from UW in at least eight years. The award provided \$1,000 travel scholarships to 75 student-faculty pairs from across the country. Lookabill and her faculty mentor Suzanne Clark, Ph.D., assistant professor of pharmacology, attended the AACP Annual Meeting and Teachers Seminar in San Antonio, Texas, July 9–13 where they participated in a teaching seminar and were recognized for receiving the prestigious award.

MEDICATION DISPOSAL DAY

The NCPA student chapter hosted a Medication Disposal Day April 16 at the Eppson Center for Seniors in Laramie, Wyo. Ten student members and their faculty mentor Drug Information Center Director Melissa Hunter, Pharm.D.,

processed over 700 prescriptions brought in for disposal (approximately 70 pounds) turned in by 54 community members. Seven and one-half pounds were given to a medication donation program for patients who are unable to afford medications. Additional medications were donated to the Shoulder-to-Shoulder Mission to help serve patients in Honduras.

POSTER PRESENTED AT AACP

A poster titled “Integrating Interprofessional Students in Emergency Preparedness Programs Anchored in a Rural/ Frontier School of Pharmacy” was accepted for presentation at the AACP annual meeting. Authors were pharmacy students Sara Lookabill, Jennifer Steiner, and Megan Saunders; Assistant Professor of Pharmacology Suzanne Clark; Beth Young from Albany County Public Health; and Bryon Hopper and Donna Artery from the Wyoming Department of Health. The team also worked with Maggie Moran and the UW Center for Service, Leadership and Community Engagement (SLCE).

APhA-ASP PATIENT COUNSELING COMPETITION

Jessica Hopper (class of 2012) placed first in the 2010–2011 APhA-ASP patient counseling competition. Erin Nemece and Maggie Grooms (both class of 2013) tied for second; and Megan Saunders (class of 2014) placed third. Hopper traveled to Seattle, Wash., to compete during the 2011 APhA Annual Meeting and Exposition.

Left: Pharmacy students, Joseph Poling and Morganne Smyth, members of the class of 2012, attended the AMCP 23rd Annual Meeting and Showcase in April in Minneapolis, Minn. Right: Sara Lookabill (class of 2012) is the first recipient in eight years to receive an AACP Walmart Scholars Award.



UW PHARMACY GRADUATES PUBLISHED IN REMINGTON PHARMED CASES

A case study by class of 2011 pharmacy graduates Amber Covey and Teshia Sorensen, with Christy Weiland, Pharm.D., BCPS, clinical assistant professor of pharmacy practice, was selected for publication in the first issue of *Remington PharmEd Cases*, an online publication that will be released in 2012. Their case study, completed during their fourth year of pharmacy rotations, was also selected to be included in the first *Remington PharmEd* newsletter that was distributed to all North American schools of pharmacy in March. The case, titled “Consequences of Non-compliance: A Young Man With a Failing Heart,” involved a 27-year-old man with congenital heart disease who failed to qualify for a heart transplant because of non-compliance with his medication therapy.

STUDENTS PARTICIPATE IN NACDS R_xIMPACT DAY ON CAPITOL HILL

Pharmacy students attending the National Association of Chain Drug Stores (NACDS) third Annual R_xIMPACT Conference, March 9–10, in Washington, D.C., were Russell Davidson, Michael Hardy, and Megan Saunders (class of 2014) and Jessica Hopper, Morganne Smyth,

and Jared Underdahl (class of 2012). While attending the conference, the students had the opportunity to visit with Senator John Barrasso and Representative Cynthia Lummis. Senator Michael Enzi’s health care staff member also held a meeting with the students. During these meetings, the students took time to discuss current legislative issues such as expanding medication therapy management services.

STUDENTS PARTICIPATE IN SNS PREPAREDNESS “REPACKAGING DRILL”

Last fall, 36 pharmacy students participated in a preparedness exercise led by Beth Young, M.S., from the Albany County Department of Health, and Bryon Hopper, State Strategic National Stockpile Coordinator in the Wyoming Department of Health. The students were chosen to be the first group to participate in this “preparedness” exercise based on their expertise working with pharmaceutical agents and FDA regulations. This exercise focused on repackaging bulk medications which might occur in an emergency situation when pre-packaged drugs are not available from the federal CDC Strategic National Stockpile (SNS). This project is unique in its use of pharmacy students in repackaging and may form an important component to disaster response in rural states with limited pharmacist-manpower reserves.



Incoming members of the class of 2015 gathered for a group photo with Dean John Vandel following the White Coat Ceremony August 18th.

Wyoming Pharmacy Association Scholarship recipients (center, L to R) Angela Wilde, Shannon Thomas, and Erin Nemec are congratulated by WPhA President Jaime Hornecker and Dean John Vandel.



WYOMING PHARMACY ASSOCIATION

We're MOVING! The association office will be moving to Green River beginning October 2011. The new mailing address is 150 Powell Street, Green River, WY 82935. We can always be reached at www.wpha.net.

Help us accomplish our mission by becoming a member of the association today.

Membership benefits include:

- ▶ Professional development opportunities
- ▶ Quality continuing education programs
- ▶ The quarterly *Pharmacy Post* newsletter
- ▶ Emails regarding current issues facing pharmacy
- ▶ Employment opportunities through our Career Center
- ▶ Legislative and regulatory representation at the state and federal level
- ▶ An opportunity to directly voice your opinion regarding legislative issues
- ▶ WPhA Forum to discuss pharmacy practice, legislation, and USP 797 issues

Annual membership dues are \$140 for pharmacists, \$50 for retired pharmacists, \$25 for technicians, and \$10 for students.

Check out WPhA's website: www.wpha.net

Special features:

- ▶ Member forum to discuss pharmacy practice
- ▶ Online membership registration and renewal
- ▶ Online registration for education events
- ▶ Tripartite Continuing Education Coordinator
- ▶ Information about current legislation
- ▶ Hot topics
- ▶ Publications
- ▶ Links to important pharmacy-related sites
- ▶ Career center
- ▶ Special members-only section



WPhA'S MISSION:

The Mission of the Wyoming Pharmacy Association (WPhA) is to advance the practice and profession of pharmacy through education, understanding, and promotion. Pharmacists and technicians are recognized for their significant contributions to the health care field. They are caring and competent individuals who improve the use of medications, assure the safety of drug therapy, and enhance health-related quality of life.

To ensure the Mission and Vision of the Association, they will now be processing the continuing education credits for the Wyoming Tripartite Committee on Continuing Education (WTCCE).

The pharmacist and/or technician education program must be pre-approved by the WTCCE, provided by a qualified individual, and contain learning objectives pertinent to the practice and profession of pharmacy in the State of Wyoming.

To have your education program receive Tripartite Continuing Education Credits, please contact the Wyoming Pharmacy Association at director@wpha.net or visit the website at www.wpha.net.

Attend an upcoming WPhA continuing education event:

- ▶ Winter CE: January 28, 2012 in Wheatland
- ▶ WPhA/WSHP Annual Convention: June 21–24, 2012 in Sheridan
- ▶ Technician Conference: October 6, 2012 in Casper

2010-11 DONORS

Recognizing gifts made to the School of Pharmacy from July 1, 2010 to June 30, 2011

The School of Pharmacy is grateful to the many generous benefactors who have supported the school since it was founded in 1946. The following list recognizes those individuals and organizations for annual giving from July 1, 2010 to June 30, 2011.

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IN MEMORIAM

We are saddened by the passing of these good friends, alumni, and colleagues, and are eternally grateful for the contributions they made to our lives.

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