



2011 ANNUAL REPORT

WASHINGTON STATE
 UNIVERSITY

COLLEGE OF PHARMACY

LEADERSHIP

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Vice Provost, WSU Health Sciences
Professor

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Clinical Associate Professor

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TABLE OF CONTENTS

MISSION AND ACCOMPLISHMENTS	2-6
OUTREACH/COMMUNITY CARE	2-3
RESEARCH	4
TEACHING	5-6
PRIORITIES AND FUNDING NEEDS	7-13
NEW SPACE AND POSITION FOR PHARMACY	7
DEAN'S LETTER TO STAKEHOLDERS	8
EDUCATING PHARMACISTS IN BUSINESS	9
TAKING CARE OF OUR ELDERS	10
TRAINING NEW HEALTH SCIENTISTS	11
COMPARING AMERICAN HEALTHCARE	12
NAMING OPPORTUNITIES	13
FRIENDS AND PARTNERS.....	14-19
REVENUE REPORT	14
SCHOLARSHIP REPORT	15
ENDOWMENTS	15
NEW BENEFACTORS	16
HONOR ROLL OF DONORS	18-19
DEAN'S ADVISORY COUNCIL	20

FISCAL YEAR 2011 ANNUAL REPORT

The 2011 Annual Report covers the period from July 1, 2010, through June 30, 2011, in the College of Pharmacy at Washington State University. The financial figures reported have not been audited. For more information about the report, contact Communications Director Lorraine Nelson at 509-335-4776 or lanelson@wsu.edu. The printing of this report was done by University Publishing at WSU. The publication designer was Denise Echelbarger of WSU. The College of Pharmacy is accredited by the national Accreditation Council for Pharmacy Education.

On the cover is an architect's sketch of the new building that will house the College of Pharmacy in Spokane.

96

Students graduated in
May 2011 with a PharmD

COLLEGE OF PHARMACY MISSION STATEMENT

To advance human health through world-class research and the education of students in patient and pharmaceutical care, the pharmaceutical and biomedical sciences, and health policy and administration.

This will be accomplished through:

- A student-centered educational philosophy that promotes life-long intellectual growth and learning
- The provision of pharmaceutical care designed to improve an individual's quality of life and the overall public health through both prevention and treatment
- Nurturing an exceptional environment for research, scholarship, innovative practice and professional and graduate education
- Creating an environment of trust and respect in all that we do

MISSION AND ACCOMPLISHMENTS



SMOKEOUT PROJECT ADDED TO OUTREACH ACTIVITIES

PharmD students began a new outreach project – “Operation Heart” – in the fall, with activities including an appearance on the KHQ-TV Help Center, staffing of 11 educational tables throughout Spokane to promote the annual Great American Smokeout, and development of an interactive board for health fairs to teach people about heart disease and how to reduce their risk by modifying behaviors.

“Operation Heart” won the WSU students one of two Region 7 awards at the American Pharmacists Association annual convention in Seattle in April. Some 75 students participated in Operation Heart, screening 212 patients for hypertension and educating them about the impact of tobacco smoke on cardiovascular health.

The students also won the Region 7 award for their “Operation Immunization” flu vaccination outreach. Region 7 includes pharmacy schools from Washington, Oregon, Idaho, Montana and Utah. WSU’s Operation Immunization involved 313 student pharmacists immunizing 1,528 patients.



APHA RECOGNIZES HELM AS PHARMACY ADVOCATE

WSU pharmacy student **Andrew M. Helm** received the American Pharmacists Association's "2011 Good Government Student Pharmacist-of-the-Year Award" in March for his extensive work in political arenas on behalf of pharmacy.

Helm's activities include expanding Washington state's Pharmacy Legislative Day to include meetings with legislators in addition to the usual health fair; recruiting and training other students in legislative advocacy; serving as president of the student council of the National Community Pharmacists Association, and completing rotations with NCPA and the National Association of Chain Drug Stores, which included attending Congressional hearings, writing issue briefs and comments for legislators, the Food and Drug Administration, the Centers for Medicare and Medicaid Services and the Drug Enforcement Administration. During the NACDS rotation he also created a two-day advocacy boot camp for pharmacy students called "Rx Impact U."

Helm is in the class of 2011 and earned several awards during pharmacy school, including Student Pharmacist of the Year from the Washington State Pharmacy Association and a WSU President's Award for Excellence in Leadership. Helm also was appointed by Washington state Gov. Christine Gregoire to be the student representative on the Washington State Higher Education Coordinating Board in 2009-10.



Professor William E. Fassett was one of the student chaperones for the annual trek to Olympia for Legislative Day, coordinated by the Washington State Pharmacy Association. Some 94 WSU students attended. They visited 54 legislators and hosted six guest speakers: Sen. Linda Evans Parlette; Lt. Gov. Brad Owen; Executive Health Policy Advisor Jonathan Seib; Chief Medical Officer for Medicaid Programs Dr. Jeffrey Thompson; Director of the Office of Financial Management Marty Brown; and Senate Democratic Caucus Senior Policy Analyst David Hanig.



PRECEPTOR OF THE YEAR

John Landkammer, the pharmacy supervisor/student coordinator at Providence Holy Family Hospital in Spokane, was named "Preceptor of the Year" for his work with pharmacy students doing rotations at the hospital. He has been a

preceptor for the College for more than five years. The award is given to a preceptor for their outstanding contributions to the educational development of future pharmacists by demonstrating high standards of professionalism, ethics and clinical practice.

Some of the comments about John from the evaluations and award nomination forms include:

- a natural leader and a positive influence in the pharmacy department
- enthusiastic, possesses superlative critical thinking abilities, eager to share his wealth of knowledge from an extensive background of experience
- possesses great patience and a strong desire to teach as evidenced by his daily contacts with his staff and students
- takes great pride in his job
- effective mentor and team player



Blood glucose testing, osteoporosis screening and more were offered at the CUB by pharmacy students during Mom's Weekend in April.

RESEARCH



TELEPHONE COACHING TESTED ON DIABETES PATIENTS LIVING IN RURAL AREAS

Would it improve the health of diabetes patients in rural areas if trained coaches – in this case student pharmacists – telephoned them weekly and used motivational interviewing techniques in their conversations? And what kind of impact would the telephone calls have on the students?

Those are questions faculty in the WSU College of Pharmacy and WSU Extension sought to answer last winter. They trained 10 pharmacy student volunteers in motivational interviewing, and then gave them each a handful of rural diabetes patients to call every week for eight consecutive weeks.

Some patients provided immediate positive feedback.

One week a patient reported she had ridden her bicycle because she knew the coach would be calling to talk with her. Consequently, her blood sugar dropped. The patient thanked the coach for checking on her.

Another patient who was resistant in the beginning to any form of exercise except water aerobics reported she was starting to feel better because of improved nutrition, and therefore she had enough energy to consider adding walking to her exercise routine.

In addition to gathering information during the telephoning phase, more data was collected from the patients a month later and compared to a control group that did not experience the telephone coaching.

Researchers concluded telephone coaching is a low-cost effective method to improve self care by rural diabetes patients. The project has been submitted for publication.

The 50 patients who participated in the study were identified through a WSU Extension community education project known as “On the Road to Living Well with Diabetes.” Extension has been educating underserved populations around the state with “On the Road” since 2001.

Project Details

Funding: USDA grant, \$135,937

Goal: Does telephone coaching (motivational interviewing) for diabetes patients improve their self care?

Conclusion: Yes; paper being submitted for publication.

Principal investigators: Linda Garrelts MacLean of the College of Pharmacy, Shirley M. Broughton of WSU Extension.



A student in nutrition and exercise physiology is happy to see this exhibit at the Spokane County Fair promoting good nutrition.



NUTRITION/ EXERCISE RESEARCHER STUDIES HIGH SUGAR DIET CONNECTION TO HEART DISEASE

Dr. Susan A. Marsh is studying how a poor diet might genetically change human heart function and contribute to cardiovascular disease. The project was recently funded by the National Heart, Lung and Blood Institute of the National Institutes of Health.

Marsh has found in preliminary experiments that a diet high in sugar and saturated fat altered the attachment of sugars to proteins in the muscle cells of the heart.

“We’re interested in the way proteins talk to each other within the cells because proteins determine how well cells function,” Marsh said. “We’ll be identifying which proteins have an altered sugar attachment, looking at whether this changes signaling between proteins and if this affects the way the proteins are transcribed by genes, which ultimately will change the way the heart will function.”

Marsh anticipates the findings will provide a better understanding of the way in which poor nutrition promotes cardiovascular disease.

Marsh is an assistant professor in the Nutrition and Exercise Physiology Program in the College of Pharmacy. Her research lab is in Spokane.

The so-called “Western” diet – high in fat and sugar – is partially responsible for the current obesity epidemic in society and is extremely bad for the heart, Marsh said.

“Obviously, as one of the grant reviewers pointed out, one good way to improve this is to just change your diet, but that’s not consistent with what’s happening in society now,” she said. “For example, breakfast is the most important meal of the day but it’s hard to find breakfast cereals that haven’t been sweetened.”

The project is funded for three years with a grant of \$450,600.



WSU RESEARCHER SEEKS CLUES TO LEUKEMIA

Identifying which genes are involved in a group of diseases that are

precursors to leukemia is the focus of a new research project in the College of Pharmacy.

“The goal is to improve our understanding of the disease process and identify new targets for drug development,” said **Grant Trobridge**, assistant professor of pharmaceutical science.

Recently funded by a \$545,036 grant from the U.S. Department of Defense, Trobridge and his colleagues are looking for the genes involved in myelodysplastic syndromes, a diverse collection of blood-related conditions in which the body’s blood production is disorderly and ineffective. If not treated successfully, the diseases can lead to acute myeloid leukemia, Trobridge said.

The researchers are using a retroviral mutagenesis screen — meaning using a virus containing RNA to look for abnormal genes — which is not new. But they are using a different type of retrovirus than has been used previously, and Trobridge expects it could be more efficient.

This is a new area of research for his lab. The project is funded for three years.



The Applied Patient Care Laboratory in Pullman, led by Clinical Assistant Professor Jennifer D. Robinson, offers pharmacy students a personal experience of various medical topics.



Health sciences students are grouped on teams and must work together to solve a complex patient case study during a competitive extracurricular activity last April. A student group at the WSU Health Sciences campus in Spokane sponsored the competition, which included students from WSU, Eastern Washington University and the University of Washington medical education program in Spokane. Students on the winning team – who were each given a Kindle – were from the fields of pharmacy, nursing, physician assistant program, physical therapy, dental hygiene, speech and hearing and occupational therapy.

NUTRITION/EXERCISE PHYSIOLOGY COMMENCEMENT, MAY 2011	
Number of Students Graduated	
B.S. FSHN (Pullman)	19
B.S. Nutrition/Exercise Physiology (Spokane)	11
M.S. Nutrition/Exercise Physiology	7
M.S. Coord Prog in Dietetics (Tacoma)	11

TEACHING



Dr. Maxines Hayes, center in the WSU vest, is surrounded by third-year pharmacy students at the end of her lecture.

WASHINGTON PUBLIC HEALTH OFFICER LECTURES TO PHARMACY CLASS

With millions of people passing through a pharmacy every month, it means pharmacies are an excellent place to reach people with health promotion and disease prevention messages.

It also makes pharmacists very important in the health care system, according to **Dr. Maxine Hayes**, State Public Health Officer and a guest lecturer in a pharmacy class last spring. Roles of pharmacists and other health care professionals will change as health care reform legislation is implemented, and in conjunction with that, budget cuts have eliminated hundreds of jobs in Washington state public health, meaning the government agency will be looking for additional strategic partnerships, Hayes said.

Pharmacists are already a valuable partner as well as the most trusted health professionals, Hayes told the class. "People ask you questions they wouldn't even think of asking me." That gives pharmacists the opportunity to dispense advice that will be told and retold to others in the community.

She used immunizations as one example and said one current health problem in Washington state is that some people are afraid of vaccines, but pharmacists have been helpful by explaining the benefits of vaccinations. Another example she used is a system for monitoring medication prescriptions to help people avoid overdosing. She is counting on pharmacists to participate in a prescription monitoring system the state hopes to have operating by 2012. More people die in Washington from prescription drug overdoses than vehicle accidents, Hayes said.

MORE FALL 2010 OUTREACH ACTIVITIES

SEPTEMBER

- Pharmacy students did brown bag medication reviews at the annual Senior Wellness Conference in Spokane and A1C testing. They also gave out medication cards developed by the Spokane Regional Health District and encouraged participants to use this to keep a medication list.
- Students, faculty and Butch-T-Cougar visited the schools at Wellpinit for a diabetes screening.

OCTOBER

- Emergency Preparedness Drive-thru flu shot clinic testing. Working with the Spokane Regional Health District, 10 IPPE students provided flu shots to more than 350 at a drive-through clinic in Spokane.
- Operation Immunization flu shots given at the CUB.
- 4th year pharmacy students on rotation participated in a collaborative outreach with the Eastern Washington University dental hygiene program called Senior Smile Day. The students obtained the medication history from 41 patients and provided info regarding any medications that are relevant for the dental care team.
- More than 100 Cougars attended the Dad's Weekend Health Fair in the CUB Lair beside a television showing of the football game. Outreach services included free anti-flu kits to students, blood glucose testing, cholesterol screening, blood pressure measurement, heartburn-free chili, breast cancer awareness, and flu shot administrations.

NOVEMBER

- The Alzheimer's Project was held on Nov. 11th at Bishop Place in Pullman. The Alzheimer's Project is an HBO documentary series trying to change the way America thinks about the disease. The general public viewed a series segment called "Momentum in Science" and then participated in a discussion session led by a pharmacy professor with participation from students.
- Nutrition and Exercise Physiology students — in partnership with the Riverpoint Campus Wellness Collaborative — hosted Health Fair 2010 in the atrium of the Academic Center at WSU Spokane. It featured local vendors representing recreational activities, healthy living, nutrition, health care organizations, fitness and more.
- NEP students offered free screenings for blood pressure, body mass index, waist circumference, body composition/body fat analysis, Rockport One Mile Fitness Test and cholesterol testing. College of Nursing students offered blood glucose and breast health screening and tobacco cessation information. College of Pharmacy students offered flu vaccines for \$25.

PRIORITIES AND FUNDING NEEDS



COLLEGE OF PHARMACY VISION STATEMENT

To be the preeminent college of pharmacy that provides world-class leadership in the quality of the student educational experience and faculty scholarship.

NEW SPACE AND POSITION FOR PHARMACY

Consolidation of the College of Pharmacy at Spokane is an integral part of Washington State University's strategy to make that campus the health sciences campus for the University. Spokane is home to large and growing medical centers that provide pharmacy students with outstanding internship and patient care opportunities. As the health care sector continues to evolve, so too must the education of tomorrow's health care practitioners and leaders.

Pharmacy's national accreditation requirements for hands-on education with real patients have increased in recent years, and the College's own curriculum now calls for a few classes in which pharmacy students learn alongside those in nursing, medicine and other health sciences.

Construction began in August on Pharmacy's new home in Spokane – the Biomedical and Health Sciences Building – which it will share with the medical education program jointly administered by WSU and the University of Washington.

The 2011 Washington Legislature allocated one-half the construction funding for the building, and the College is anticipating the 2012 Legislature will provide the second half.

Sources of funding to furnish and equip the new building – including research laboratories, classrooms and space for faculty, staff and students -- are being identified and pursued, but we welcome any additional participation, particularly from investors who believe pharmacists should take the lead in the areas related to medications used to treat human illness. Unlike established biomedical campuses, pharmacy is in a position to participate heavily in building a different type of health sciences campus.

Timeline for consolidating in Spokane

August 2011: Ground is broken on the new Biomedical and Health Sciences Building in Spokane

October 2011: A formal ground-breaking ceremony is held

January – March 2012: Washington Legislature considering second half of funding for building

December 2013: Building may be ready for occupancy

Summer 2014: College's Pullman facilities move to Spokane

Want to help? Contact our Development Office at: (509) 335-8352 or gocougs@pharmacy.wsu.edu



A NEW LOGO

A new logo has been created for WSU Health Sciences at Spokane, under the direction of Gary M. Pollack, dean of the College and vice provost for WSU Health Sciences. The new logo is similar in size and look to those used by other specialized University units, such as the branch campuses, the Alumni Association and the Foundation.

GARY M. POLLACK, DEAN



One fundamental expectation of faculty in a research-intensive university is the aggressive pursuit of scholarship, or in other words, the creation and dissemination

of new knowledge. In the area of health sciences, we aspire to disseminate that new knowledge in a manner that will improve the health and quality of life of Washingtonians.

The development and maintenance of impactful scholarship requires resources, and while we are finding new and more business-like approaches to offset the recent losses in state funding, we are continually looking for partners who wish to invest in us. The following projects are those that I envision will help us reach our aspirations:

- Funding to furnish and equip the new Biomedical and Health Sciences Building in Spokane, which represents the future of our College, and because the campus is so new, it is an opportunity to integrate pharmacy, medicine, nursing and other health sciences in a manner that is difficult or impossible on a mature health sciences campus. In areas related to the discovery, development, and utilization of drugs to treat human illness, it is our intent that pharmacy will take the lead.
- Creation of a Clinical Research Center to support studies of drug therapy in patients and normal volunteers. This capability is requisite for the university to compete for an NIH-sponsored Clinical and Translational Sciences Award, a hallmark of successful contemporary academic health sciences centers. In addition, this center will serve to support the research activities of clinician-scientists in Spokane, and will be a focal point for training the next generation of graduate and postgraduate students in clinical and translational research.
- Creation of a Drug Development Center. As you are no doubt aware, large pharma is abandoning its historic role in the development of new therapeutic agents, just as it did the discovery of such agents several years ago. The work of identifying new chemical entities, and examining those entities in preclinical models, in normal

volunteers, and in patients, has been left largely to smaller companies, to academia, and to foreign concerns. Indeed, the federal government has recognized this shift in focus of the pharmaceutical giants, and has established a mechanism for stimulating the hard work of developing new therapeutic agents in the academic environment. We aspire to contribute to that effort.

- Creation of a Graduate Scholars Program. Most graduate students in the biomedical sciences are supported as teaching assistants for at least the first two years of their programs of study. While this can and should be a valuable activity, too often these promising young scholars are assigned teaching assistant tasks that have minimal impact on the educational process. Thus, they learn little about becoming a faculty member, and are distracted from their primary obligation, which is to be productive in the research arena. Many of the top-rated graduate programs in the country have a few endowed graduate fellowship positions, which are used primarily to recruit the very best students. We intend to establish that type of program in Spokane.

- Creation of a Center for Educational Research and Development. We need to better utilize the time faculty spend with students. We must develop new approaches to delivering content to students outside of the classroom, to hold them accountable for mastering that content, and then to engage them in the classroom in meaningful, active-learning paradigms that will develop higher-order thinking skills. Because we also aspire to create a truly interdisciplinary health sciences campus, educational reform must be pursued in order to accommodate the needs of students in multiple disciplines in an efficient and effective manner. This Center will serve as the focal point for faculty from all health sciences disciplines to develop, implement, and study the efficacy of novel approaches to curricular delivery.

These are my highest priorities. I believe if we can reach these goals our contribution to health sciences and quality of life will increase tremendously. I am hopeful you will find a project on this page or the pages that follow that will inspire you to lend us a hand in doing that.

Sincerely,
Gary Pollack, Dean

GARY M. POLLACK, DEAN

CURRENT POSITIONS

- Vice Provost for Health Sciences at WSU since July 1, 2011
- Dean of College of Pharmacy at WSU since Aug. 1, 2010

CAREER HISTORY

- Professor, School of Medicine and School of Pharmacy, dual-appointment, University of North Carolina at Chapel Hill, 21 years (1991-2010)
- Professor, School of Pharmacy, UNC at Chapel Hill, 26 years (1984-2010)
- Administrative Board, School of Dentistry at UNC, 2 years (2008-2010)
- Executive Associate Dean, School of Pharmacy at UNC, managed business operations and provided strategic leadership for both operations and academic functions, 5 years (2005-2010)
- Division Chair, School of Pharmacy at UNC, 13 years (1992-2005)

EDUCATION

- Ph.D., pharmaceuticals, State University of New York at Buffalo, 1984
- B.A., chemistry/psychology, Knox College in Galesburg, Ill., 1979

RECENT AWARDS AND HONORS

- Meritorious Manuscript, Pharmaceutical Research, American Association of Pharmaceutical Scientists, 2009
- Best Overall Instructor, UNC School of Pharmacy, 2007
- Best Overall Instructor, UNC School of Pharmacy, 2005
- Best Instructor, UNC School of Pharmacy PY2 Class, 2005
- Best Instructor, UNC School of Pharmacy PY1 Class, 2004
- Fellow, American Association for the Advancement of Science, 2004
- Fellow, American Association of Pharmaceutical Scientists, 2001

RESEARCH

Dr. Pollack's research has centered on the disposition and action of drugs and toxicants in the central nervous system. His group has made major contributions towards understanding the pharmacokinetics and pharmacodynamics of opioid tolerance, including the key role of nitric oxide in the loss of response to morphine and the up-regulation of nitric oxide synthase in response to morphine exposure.

In addition, his students have examined the influence of barrier transporters on substrate permeation across the blood-brain interface, drug distribution within the brain, and pharmacologic activity of CNS therapeutics. Dr. Pollack has mentored more than 40 graduate, undergraduate, and postdoctoral students in his laboratory, and has authored over 200 peer-reviewed manuscripts, book chapters, and scientific abstracts.

LINDA GARRELTS MACLEAN

CURRENT POSITIONS

- Associate Dean for Professional Education and Outreach
- Clinical Associate Professor

CAREER HISTORY

- Associate Dean for Professional Education and Outreach, appointed February 2011
- Department Chair, Pharmacotherapy Department, 2006 – 2011
- Faculty, Washington State University College of Pharmacy, since 2002
- Faculty Advisor, student business plan teams, National Community Pharmacists Association competition, 2004 to present
- Affiliate Clinical Instructor, WSU College of Pharmacy, 1989-2002
- Owner/partner, Jones Pharmacy, Spokane, 1978-1999
- Registered pharmacist since 1978
- Language Arts Teacher, Peoria, IL, 1973-1974

EDUCATION and Certifications

- Certified Diabetes Educator, 1994
- BPharm, Washington State University, 1978
- B.A. English and Mathematics, Education, Western Illinois University, 1973

RECENT AWARDS AND HONORS

- Advisor, Student Business Plan Team national champions, National Community Pharmacists Association, 2006 and 2010
- Washington State Pharmacy Association, Distinguished Leadership Service Award, 2010
- WSU Student Choice Award for Excellence in Teaching, 2009
- Faculty Liaison of the Year, National Community Pharmacists Association, 2007
- Director's Award, Washington State Department of Veterans Affairs, 2004
- Pharmacist of the Year Award, Spokane Pharmacy Association, 2004
- Distinguished Alumnus of the Year, WSU College of Pharmacy, May 2003
- George S. Maggio Award, NCPA national convention, Philadelphia, 2001
- Named among "Top 50 Most Influential Pharmacists" by American Druggist magazine, 1999
- Named "Most Influential Woman Pharmacist of the Year," Pharmacy Times, 1997
- Fellow, National Academy of Pharmacy, Philadelphia, 1997
- National Preceptor of the Year, National Community Pharmacists Association, 1992

CLINICAL RESEARCH and SERVICE

- Research participation in projects:
 - Telephone Coaching to Improve Diabetes Self-Management for Rural Residents.
 - Feasibility of a Community Pharmacy as a Research Site for Studying the Effectiveness of Antipsychotic Injection Services.
 - How Well is the Topic of Adherence Covered in Pharmacy School Curricula?
- Pharmacy Community Foundation board of directors, 2007-present
- American Association of Colleges of Pharmacy, special interest group chair, 2009-2011
- President of Washington State Pharmacy Association, 1997-1998
- American Pharmacists Association, Chairman, Section on Practice Management, 1983-1984



Enjoying a hard earned trip to a Palm Springs, Calif., conference courtesy of the National Community Pharmacists Association are the winners of the 2010 NCPA student business plan competition. From left, Erik Nelson, Kurt Bowen, faculty advisor Linda Garrelts MacLean, Robert Bryan and Vinh Nguyen.

ENDOWED PROFESSORSHIP IN PHARMACY BUSINESS MANAGEMENT

We are nationally known for our strength in teaching community pharmacy business management, thanks in large part to the annual student business plan competition sponsored by the National Community Pharmacists Association.

Under the guidance of former pharmacy owner **Linda Garrelts MacLean** – and a large network of her professional friends – our students have written business plans for real pharmacies proposing such optional roads to success as clinical trials inside the pharmacy, junior partnership buyout plans, employee stock ownership plans and serving a multi-generational clientele by offering medication management solutions for the elderly, medication review to optimize health for Baby Boomers and online prescription refills and consulting via Skype for Generation Y.

MacLean is now an associate dean with us and a full-time faculty member. Despite her unbridled enthusiasm and energy for coordinating courses focused on leadership and pharmacy business practices, there simply is not enough time to also add a quality line of research into this area. We need help with this in the form of an Endowed Professorship in Pharmacy Business Management, which would provide us with annual funding for a professor dedicated to this important work.

What do we need? Endowed Professorship in Pharmacy Business Management

Why? Need additional faculty time focused on this area, particularly in quality research.

How do you help? Contact Development Director Elaine O. Vincent at: (509) 335-8352 or gocougs@pharmacy.wsu.edu

TAKING CARE OF OUR ELDERS

By Becky Phillips, WSU Writer

By the year 2030, the U.S. population aged 65 years or older is expected to swell to nearly 72 million, threatening to overwhelm existing programs, services, and facilities currently in place for supporting the elderly.

Add to that the crumbling of community and social connection in America—with ensuing isolation and loneliness—and it doesn't take much to foresee a disaster in the making: 72 million older adults struggling to get by in single family homes; adapting to declining physical and cognitive abilities while juggling masses of medications.

How do the children, relatives, and friends of the elderly cope? What decisions should be made when one's parents can no longer effectively care for themselves?

While Americans begin to rethink the idea of multi-generational family housing, the move to keep elders in their own homes for as long as possible has steadily gained momentum.

With the advent of smart home technology, it will soon be possible to compensate for human frailty and memory lapses via automated appliances and environmental controls, as well as sensors that monitor an elder's activity level—sending alerts to caregivers when abnormal patterns are detected.

REACHING OUT TO THE VULNERABLE

At the opposite end of the spectrum is the interpersonal, hands-on approach directed by **Dr. Steve Setter** and the Geriatric Team at WSU College of Pharmacy. As a geriatric pharmacist and associate professor, Dr. Setter consults with community social workers to help home-based elders successfully use their medications and attend to medical and social needs in order to remain in their homes for longer periods of time.

Established in 1994, the interdisciplinary partnership between the College of Pharmacy and Elder Services of Spokane has provided thousands of older people an alternative to routine reliance on nursing homes or other care facilities.

Elder Services is an arm of the non-profit organization Frontier Behavioral Health (formerly Spokane Mental Health) and provides clinical case management for at-risk older adults. Among other things, the center offers help and intervention, for example, if a neighbor is concerned about an older

person who no longer takes care of himself, doesn't collect the mail, and wishes he wouldn't wake up in the morning.

At the fragile intersection when Elder Services first admits a client into the program, Dr. Setter is there to consult with the case manager and study the person's history in detail—soliciting input from other pharmacists, nurses, physical therapists, as well as a staff neurologist, psychiatrist, endocrinologist, and primary care physician.

Often overmedicated and under-advised, these clients may suffer from a range of medical conditions causing disorientation, depression, and suicide attempts. For others, having just returned from the hospital, the transition to sorting 15 – 30 medications, herbals, and over-the-counter remedies on their own can be overwhelming. Conflicting prescriptions ordered by multiple doctors and filled at various pharmacies can lead to adverse drug reactions. Confused, alone, or in pain, some clients simply stop taking their medicines altogether.

THE HUMAN TOUCH

Knocking at the door of this dark, sometimes disheveled scenario, Dr. Setter enters the client's home with a friendly smile and gentle demeanor, patiently answering questions, explaining how each drug works and why it is necessary. To caregivers he describes the dangers of drug interactions and the tell-tale signs of cognitive impairment. In collaboration with the client's doctors, he may recommend to reduce or eliminate certain meds.

Tall and animated, Dr. Setter also devotes time to being a consultant to the Parkinson's Resource Center of Spokane and the NW Inland Alzheimer's Association.

"Our average home visit is an hour or more," says Dr. Setter. "We get to know clients on a personal level, so they are more willing to share the problems they are having with their medicines, whether that be the cost of the medicines or a complicated drug regimen that may need to be simplified."

What do we need? Endowed resident and fellowship scholarships

Why? To permit training of more pharmacy graduates in the important field of geriatric pharmacy

How do you help? Contact Development Director Elaine O. Vincent at: (509) 335-8352 or gocougs@pharmacy.wsu.edu



Stephen M. Setter at the entrance to Elder Services in Spokane, where he practices pharmacy alongside social workers, usually with a pharmacy student or two in tow. Setter is co-founder and leader of the College's Geriatric Team and founder and leader of a residency program and fellowship program in geriatric pharmacy.

STEPHEN M. SETTER

CAREER HIGHLIGHTS

- Faculty, WSU College of Pharmacy, 1997 – present
- Co-founder, College of Pharmacy Geriatrics Team
- Inland Northwest Alzheimer's Association pharmacy advisor
- Spokane Parkinson's Resource Center pharmacy advisor
- Leader in Alzheimer's Disease care, 2004, US Pharmacist magazine
- Named "Outstanding Pharmacist of the Year," Washington State Pharmacy Association, 2001

EDUCATION

- PharmD, WSU, 1996
- Doctor of Veterinary Medicine, Michigan State University, 1986
- Certified Geriatric Pharmacist, since 2000
- Certified Diabetes Educator, since 2002

CLINICAL and RESEARCH INTERESTS

Dr. Setter's interests center on health problems found in older adults. He is an active preceptor to fourth year pharmacy students at his clinical practice site, Elder Services, in Spokane. Dr. Setter provides in-home medication reviews for home-bound older adults and is very active with the Parkinson's population of the Inland Northwest. Dr. Setter also is an active researcher in regard to the identification and resolution of medication discrepancies in home-bound elderly patients when they transition to hospital or nursing home and back home again. Dr. Setter and his colleagues received funding from the prestigious Robert Wood Johnson Foundation to support their work.

GARY G. MEADOWS, PH.D.

- Associate Dean for Graduate Education and Scholarship
- Dorothy Otto Kennedy Distinguished Professor

CAREER HISTORY

- Associate Dean for Graduate Education and Scholarship 2011-present
- Director of the Cancer Prevention & Research Center 1998-2010
- Visiting Professor, University of British Columbia, 2005
- Visiting professor at Experimental Immunology Branch, National Institutes of Health, 1990-1991
- Chair of the Graduate Program in Pharmaceutical Sciences 1992-1996
- Chair of the Department of Pharmaceutical Sciences 1990-1992
- Director of the Pharmaceutical Sciences Unit 1987-1990
- Faculty at WSU College of Pharmacy since 1976
- Licensed pharmacist since 1968

EDUCATION

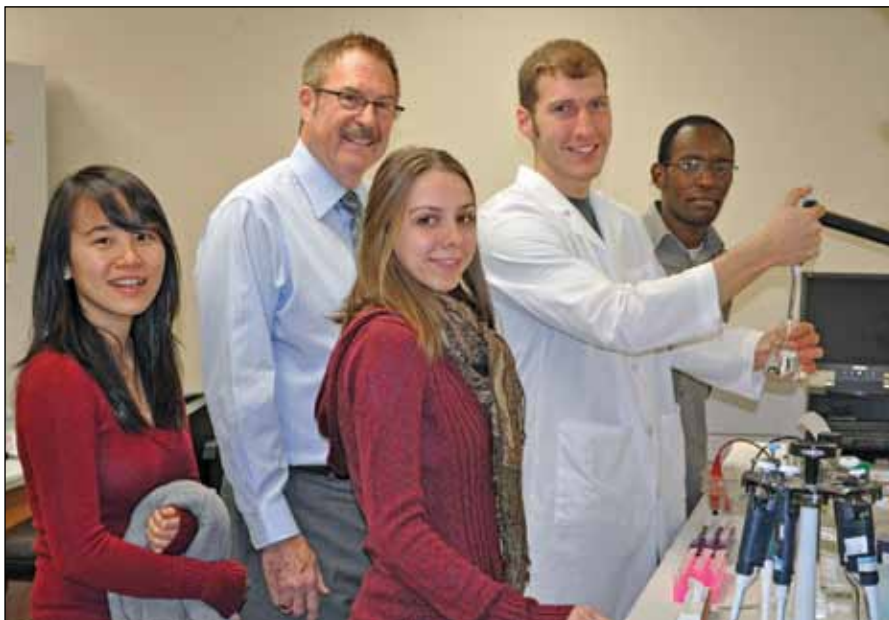
- BS Pharmacy, Idaho State University, 1968
- MS Pharmaceutical Science, Idaho State University, 1972
- PhD Pharmaceutical Science, University of Washington, 1976

RECENT AWARDS AND HONORS

- Named a Fellow of the American Association for the Advancement of Science, 2010
- Awarded a \$1 million Senior Scientist Research and Mentorship Award from the National Institute of Alcohol Abuse and Alcoholism, 2009-2013

RESEARCH

Research interests are tumor biology and tumor immunology with emphasis on the role of chronic alcohol consumption on innate and cellular immune responses that influence tumor growth and metastasis. Our laboratory also maintains a continuing interest in the effects of amino acids and phytochemicals on cancer growth and progression.



Professor Gary G. Meadows visits with some Ph.D.-seeking students in a pharmaceutical sciences laboratory in Pullman. The appointment of Meadows to the newly created position of Associate Dean for Graduate Education and Scholarship has resulted in an influx of new graduate students seeking a Ph.D. in pharmaceutical sciences and nutrition/exercise physiology.

TRAINING NEW HEALTH SCIENTISTS

If we want to continue to improve health care – and we do – we need to continue to train scientists to explore the issues, in other words, to ask the appropriate questions and pursue answers.

For financial reasons, many promising young graduate students in the biomedical sciences are assigned teaching assistant tasks that have minimal impact on their education. Thus, they are distracted from their primary obligation, which is to be productive in the laboratory. Many of the top-rated graduate programs in the country have a few endowed graduate fellowship positions, which are used primarily to recruit

the very best students. We intend to establish that type of program in Spokane and attract the very best. If you are interested in contributing to the development of future biomedical scientists, please contact us.

What do we need? Endowed graduate fellowships

Why? To recruit and support the best prospective new scientists out there

How do you help? Contact Development Director Elaine O. Vincent at: (509) 335-8352 or gocougs@pharmacy.wsu.edu

AN OPPORTUNITY TO COMPARE HEALTH CARE IN AMERICA

International rotations offer fourth-year pharmacy students an opportunity to learn how to provide health care to people in a different culture while working alongside nursing students and other professionals.

The College offers rotations once-per-year to Peru and Ecuador. Interested students must apply and are screened for suitability before they are allowed to participate. Four students are chosen for each rotation.

On the Peru rotation, the pharmacy group is led by **Brenda D. Kelly**, PharmD, clinical assistant professor. The students travel with about 25 others from WSU to Iquitos, a city of 450,000 along the Amazon River. They spend time learning about the culture, meeting individual residents, visiting local hospitals and clinics, and eventually they participate in four, day-long free medical clinics that have attracted more than 100 patients per clinic in the past.

The Ecuador rotation is part of a similar sized interdisciplinary mission team of people with medical and non-medical backgrounds. They fly into Ecuador's capital of Quito and then travel to Riobamba in the center of the country and use that as a home base. They ride a bus to remote villages and hold day clinics, providing medical care, medication, shoes and socks, and

spiritual counseling to the several hundred Ecuadorians who arrived at each clinic. Pharmacy students who have participated in these rotations report they have a different perspective on American healthcare and on their role in caring for people.

The pharmacy group on the Ecuador rotation is led by **Jason L. Itlz**, PharmD, clinical associate professor, who said the cost of the July 2011 trip was \$2,600 per person.

"I applaud students who are willing to commit to this financial obligation, however, I know that some students, although willing, are not able to find the financial resources needed in order to apply for International Pharmacy rotations," Itlz said. "While there are so many worthwhile causes at the College of Pharmacy, I would personally love to see the creation of an **International Service Learning Scholarship** that would help support WSU College of Pharmacy students pursuing International Pharmacy rotations."

What do we need? Student scholarships for international rotations

Why? Many students cannot afford the rotation. The rotation is eye opening about American health care, teaches students critical thinking skills and how to approach working in a different culture.

How do you help? Contact Development Director Elaine O. Vincent at: (509) 335-8352 or gocougs@pharmacy.wsu.edu



STUDENTS START NEW ORGANIZATION

The newly chartered WSU Gamma Upsilon Chapter of Phi Lambda Sigma, the national Pharmacy Leadership Society, inducted its first initiates on May 1 in Spokane. Students started the new organization to increase the number of opportunities for students to develop leadership skills. Many other schools of pharmacy have a Phi Lambda Sigma chapter.

"Phi Lambda Sigma has a focus on rewarding demonstrated leadership as well as superior ethical and moral characteristics," student **Andrew Helm** explained. "While that accomplishes a part of the intended need and purpose of a leadership group at WSU, it was decided by consensus among the PPSO officers that our Gamma Upsilon chapter would have the additional focus of encouraging and developing leadership."

"Special credit must be given to students **Sandy Chan, Darren Shimanuki, and James Fischer** (Gamma Upsilon's founding president, *pictured*) for their crucial roles in creating the PLS chapter," Helm said. "We're also very happy to recognize **Dr. John White** for accepting our request to advise this group. He was selected as a pull-away first choice by student leaders."



On the Peru rotation, the pharmacy group is led by **Brenda D. Kelly**, PharmD, clinical assistant professor.

WHY SHOULD I MAKE AN ENDOWED GIFT?

Endowments provide a perpetual funding source that supports students, faculty, research, and programs for generations to come. Because they establish a consistent and permanent source of funding, endowed gifts are often the difference between a good program and an outstanding one.

They also provide the assurance the University needs to recruit and retain exceptional students and faculty, and deliver critical funding to support cutting-edge research and academic programs.

The WSU Foundation's endowment market value has more than doubled since 1997. However, it remains significantly lower than endowments of institutions with which WSU most often competes for faculty and students. Closing this gap will bolster our competitiveness to hire and retain the best faculty and to attract a talented and diverse student body.

Endowed contributions—from alumni, friends, parents, faculty, staff, corporations, and foundations—will help WSU realize the educational and research ambitions that citizens and industries expect from their state's land-grant university.

ENDOWMENT NAMING OPPORTUNITIES	MINIMUM CURRENT AMOUNT *
Department	\$10,000,000
Program	\$5,000,000
Dean	\$5,000,000
Distinguished Faculty Chair	\$3,000,000
Faculty Chair	\$1,500,000
Distinguished Professorship	\$500,000
Professorship	\$300,000
Faculty/Staff Fellowship	\$100,000
Faculty/Staff Excellence Award	\$25,000
Graduate Fellowship	\$25,000
Scholarship	\$25,000
Other	\$25,000

TO LATTE OR NOT

If you buy a latte every working day of the year, you spend about \$780.

If you gave us just a portion of that money you could:

- Sponsor PCCA advanced compounding training for 2 students (\$250 per student)
- Buy 4 copies of Lexicomp – drug reference software for handheld devices such as smart phones (\$175/year)
- Pay the poster printing fee for students or faculty presenting their research at conferences (\$37.50 to \$70 depending on size)
- Provide snacks and coffee for students during finals week
- Pay travel costs for a student to attend a national conference
- Pay a portion of the expenses for a student to do an international rotation (\$2,500/Ecuador)
- Sanfords guide is a valuable paper reference widely used with hospital pharmacists and during 4th year rotations (\$13.54 each)



ANNUAL REPORT OF GIVING FOR FY 2011

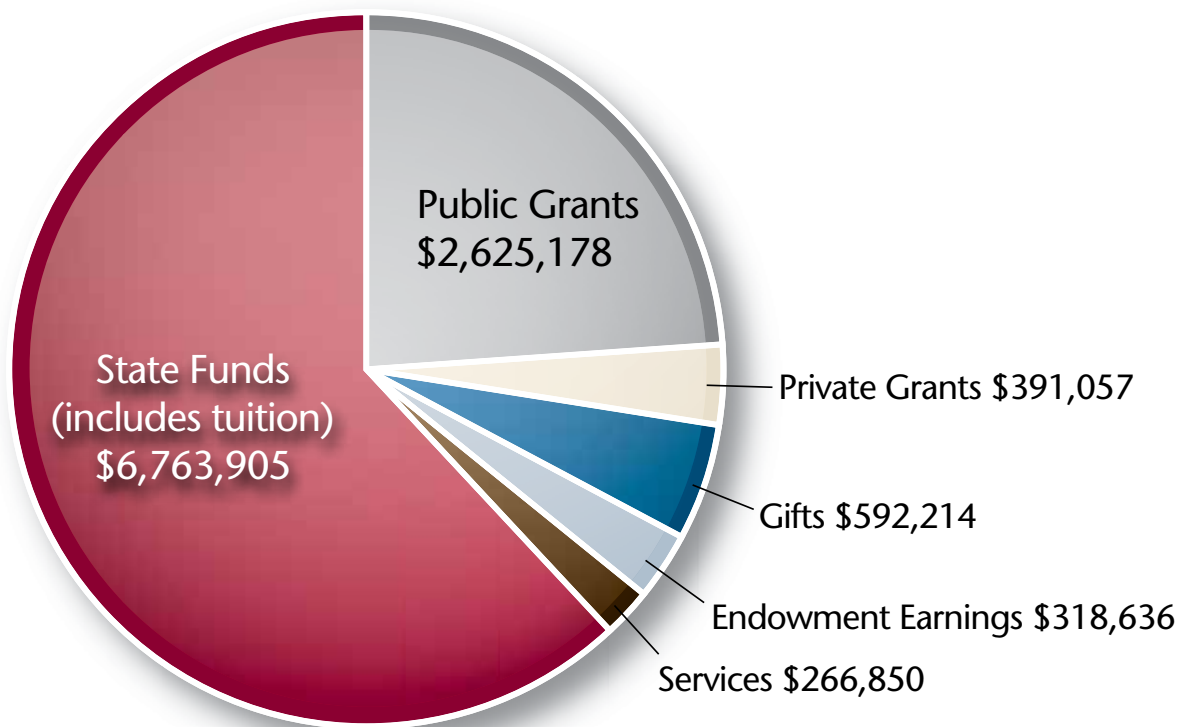
REVENUE

The College of Pharmacy received \$592,214 in gifts and another \$318,636 in endowment earnings in fiscal year 2011, for a total of \$910,850 in revenue from donors.

Donors' gifts comprised 8.6 percent of the College's total revenue of \$10,526,783. When private grants are included, the private sector contributed 12.3 percent of the College's revenue for the year.

The sources of revenue for the College are shown in the accompanying pie chart.

TOTAL REVENUE 4-YEAR REVIEW	
2011	\$10,526,783
2010	\$11,847,023
2009	\$12,778,710
2008	\$13,834,006



PRIVATE SECTOR SUPPORT – 5-YEAR REVIEW

Year	Gifts	Endowment Earnings	Private Grants	Total Private	As % of Total Revenue
2011	\$592,214	\$318,636	\$391,057	\$1,301,907	12.3
2010	\$469,080	\$333,640	\$926,573	\$1,729,293	14.6
2009	\$708,542	\$379,721	\$846,177	\$1,934,440	15
2008	\$918,613	\$367,535	\$714,164	\$2,000,312	14
2007	\$1,001,862	\$306,541	\$827,524	\$2,135,927	NA

ENDOWMENTS

An endowment begins to generate spendable earnings when its principal reaches \$25,000.

At the close of fiscal year 2011, the total market value of the College's endowments was \$7,994,210.12. The majority of the endowments support scholarships and professorships, although a few support research and other expenses associated with scholarly work.

Endowed Scholarships

Abdel-Monem Endowed Scholarship in Pharmacy
 Carolyn Backstrom Endowed Scholarship
 Arby & Cathaline Baker Scholarship in Pharmacy
 Mabel E. Bement Scholarship
 Bracken Family Fellowship Fund
 Fred & Esther Burmaster Memorial Scholarship
 Dahmen-Williams Scholarship & Loan Fund
 Deary Sisters Scholarship Fund
 Denton Harvey/RMHCSP Endowed Scholarship
 Die Apotheke Scholarship in Pharmacy
 Rick & Jacquelyne Doane Endowed Scholarship
 Ron & Carol Doane Scholarship Fund
 Irwin Dyer Award for Excellence in Nutrition
 Morris Edward Ewell Memorial Scholarship
 Erwin N & Jennie L Foisy Scholarship
 Julin D. Flory Memorial Scholarship
 Donald E. Galpin Memorial Scholarship
 Max F Garred Jr. Memorial Endowment
 Ruth Lenore Harris Nutritional Scholarship
 Margit Garthe Harrison Scholarship
 Barbara J Higgins Endowment in International Health
 Nelson L. Higgins Scholarship
 Bruce & Marion Hunter Scholarship
 Immunex Scholarship Fund
 Martin J Jinks Memorial Scholarship
 E.H. Jones Scholarship
 Irvin Johnson Scholarship
 Wilbur N. Joyner Fund
 Muriel Jones Scholarship
 Dorothy Otto Kennedy Endowed Scholarship
 Dorothy Otto Kennedy Endowed Graduate Fellowship
 Janice Sourwine Kenny Scholarship
 Charles Glen King Graduate Fellowship/Lectureship
 Sarah Marie Schreck Kranz Scholarship
 Don and Julia Lee Scholarship
 Charles Martin Memorial Endowed Scholarship
 Thomas W. Martin & Edward L. Jennings Endowment
 Donald J McLeod Memorial Scholarship
 Phyllis Clark McFadden Memorial Loan and Aid
 Dr. Edward R. Meyer Endowed Scholarship

SCHOLARSHIPS AWARDED

Fiscal Year	Awarded from Private Gifts/Endowments	Number of Awards
2011	\$279,700	221
2010	\$277,600	227
2009	\$282,200*	221*
2008	\$242,150	195
2007	\$227,900	187

*Nutrition/exercise physiology students included in these totals for the first time this year

Sue Harriet Monroe Mullen Graduate Fellowship
 Lawrence Norris Memorial Scholarship
 George Norin Endowed Scholarship
 Darold F Neidermeyer Memorial Scholarship
 Cecily Kahl Nyberg Endowed Scholarship in Home Economics
 Alice & Lawrence Peterson Food/Nutrition Endowment
 Albert H., May A., & Walter A. Powell Endowment
 Reynolds-Biersner Scholarship Endowment in Food Science & Human Nutrition
 James & Diann Robbers Student Research Scholarship
 Margaret Nicholson Schafer Graduate Fellowship in Human Nutrition
 George Severance Dietetics Endowment
 R M Cork Simmelink Endowed Scholarship
 Larry Simonsmeier Memorial Endowment
 Elwyn and Viola Swetman Scholarship
 Betty-Lee Ewing Tannehill Memorial Scholarship
 Gary Thiemens Memorial Fund
 Joseph J. and Marjorie R. Thompson Scholarship
 Jessie Senora Simms Walker Scholarship
 George H. Watt Scholarship
 Holly Whitcomb Henry Scholarship Endowment in Pharmacy

Endowed Research

Louise F. Holzer Darden Memorial Research Fund
 Harriet Monroe Mullen Innovative Research Fund
 M. Virginia Schafer Research in Human Nutrition
 Donald J & Margaret N McLeod Endowment

Endowments for College Needs

Denton Harvey Endowment
 Hart Endowed Excellence Fund
 Healing Gifts Endowment Fund
 Allen I. White Lectureship

Endowed Professorships

Boeing Endowed Professorship
 Diabetes Chair Fund
 J Roberts & Marcia Fosberg Distinguished Professorship
 Dorothy Otto Kennedy Distinguished Professorship
 Allen I. White Endowed Professorship

5

BECOME COLLEGE BENEFACTORS

We added five new benefactors to our list of donors this year. These are people and businesses who have invested \$100,000 or more in the College of Pharmacy. We are grateful for their commitment to this institution and its mission. The following are new Benefactors of the College:

John and Deborah Oftebro of Redmond, Wash. John grew up in Everett and Mount Vernon and graduated from the College in 1965. After gaining experience in chain and hospital pharmacy and managing small apothecaries, he became a partner in 1973 in Kelley-Ross Pharmacy in downtown Seattle. Over the years he grew the business to five locations in Seattle and one in Mill Creek. John's progressive practices grew to specialize in compounding, hospice, long term care, AIDS/HIV, home I.V., contract mail service, all aspects of "pharmaceutical care", and shortly before he retired in January 2008, he introduced medication therapy management, travel immunizations and was using robotic dispensing units.

John is a past president of the Washington State Pharmacy Association, the Washington State Pharmacy Foundation and the American College of Apothecaries. He was an affiliate faculty/preceptor for both WSU and UW schools of pharmacy from 1972 until he retired. When he retired, John turned over the five Kelley-Ross Pharmacy locations in Seattle to his son, Ryan (UW '03) and his two partners.

Albertsons Inc. supports the College with scholarships and funding for the senior brunch at commencement. Founded by Joe Albertson in 1939 in Boise, Idaho, there are currently more than 450 Albertsons stores in nine states throughout the Northwest and West.

Cardinal Health Inc., ranked #19 on the Fortune 500, gives to student scholarships. Cardinal Health is headquartered at Dublin, Ohio, and is a health care services company that improves the cost-effectiveness of health care. As the business behind health care, Cardinal Health helps pharmacies, hospitals, ambulatory surgery centers and physician offices focus on patient care while reducing costs, enhancing efficiency and improving quality.

James and Diann Robbers are both natives of Everett, Wash., and both graduates of WSU, he with a BPharm in 1957 and an M.S. in pharmacy in 1961, and she with a B.S. in Physical Education. He achieved a Ph.D. in 1964 from the University of Washington and after two years as an assistant professor at the University of Houston, he joined the Department of Medicinal Chemistry at Purdue University, where he taught until retiring in 1997. During his tenure at Purdue, Robbers was the editor of the Journal of Natural Products from 1984 to 1993.

Diann became a registered physical therapist at the Frank Butts Institute at the Cleveland Clinic in Ohio. Before retiring in 1994, she worked for 28 years at Home Hospital in Lafayette, Ind., as assistant director of physical therapy in charge of clinical patient treatment and supervisor of physical therapy student interns. After retirement, they returned to Washington and settled in Mukilteo. In 2004, James received a WSU Alumni Achievement Award for a lifetime of distinguished advancement in the field of pharmacognosy and pharmacobiotechnology.

Spokane Visiting Nurse Association Home Health Care Services has been supporting the College since 2004 and is a practice site for faculty and residents. The VNA is part of a continuum of care known as Providence Health Care, which includes Sacred Heart Medical Center, Holy Family Hospital, St. Joseph Care Center, Pathology Associates Medical Laboratories, Holy Family Adult Day Centers, Emilie Court Assisted Living, and health and human service ministries in Deer Park, Chewelah and Colville.

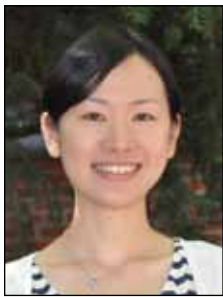
ANNUAL TUITION AND FEES FOR 2011-12	
PharmD	
Resident:	\$19,022
Nonresident:	\$35,746
Undergraduate	
Resident:	\$9,886
Nonresident:	\$21,164
Graduate	
Resident:	\$10,188
Nonresident:	\$23,342
<i>For comparison:</i>	
ANNUAL TUITION AND FEES FOR 2010-11	
PharmD	
Resident:	\$17,650
Nonresident:	\$34,390
Undergraduate	
Resident:	\$8,592
Nonresident:	\$19,634
Graduate	
Resident:	\$8,852
Nonresident:	\$21,650
ANNUAL TUITION AND FEES FOR 2009-10	
PharmD	
Resident:	\$16,092
Nonresident:	\$31,310
Undergraduate	
Resident:	\$7,600
Nonresident:	\$18,676
Graduate	
Resident:	\$8,456
Nonresident:	\$20,644



"I cannot even begin to put into words how thankful I am for receiving a scholarship last year to help pay for my tuition. I truly appreciate the generosity of others and I plan on doing the same when I am able to in the future. I think it

is important to help those in need, and I make sure to work hard everyday in order to not take the gift I was given lightly."

Brent Dammeier, Class of 2013,
from his letter of thanks to his scholarship donor



"Thank you for choosing me as one of the scholarship recipients. Your generosity has helped me to handle numerous hardships that I encountered last semester, such as car accident costs, healthcare costs and living costs. Your contribution alleviated

my financial burdens significantly and allowed me to focus more on my study here at WSU. I will continue to strive to achieve excellent academic performance to repay your kindness. Thank you!"

Cindy Lee, Class of 2014,
in a thank you letter to her scholarship donor



Pharmacy students took some of the flu vaccine donated by Bartell Drug directly to Greek Row, setting up in the Alpha Chi Omega sorority, pictured here.

Thank You!

ADDITIONAL ACKNOWLEDGEMENTS

Walgreens contributed to the Homecoming 2010 Picnic on the Lawn and the summer 2011 "Exploring Health Sciences" camp for high school students from Yakima, as well as continued gifts to scholarships for students.

Fraternal Order of the Eagles gave research grants to two faculty, one for a research project to test the effect of chronic alcohol consumption on breast cancer metastasis, and another for research to evaluate whether conducting A1C blood glucose testing at community health fairs encourages those who need it to seek treatment.

Haggen Top Foods provided the white coats for the 2010 White Coat Ceremony held in August, welcoming the class of 2014.

Quality Food Centers and **AstraZeneca** co-sponsored the 2010 Scholarship Awards Evening held at the CUB and recognizing scholarship donors.

Bi-Mart Corp. sponsored lectures and receptions in Pullman and Spokane by state **Sen. Linda Evans Parlette** of Wenatchee, a pharmacist and graduate of the WSU College of Pharmacy.

Seattle-based **Bartell Drug** donated 2,000 doses of flu vaccine to the College. Students in Pullman and Spokane used it to administer flu shots.

Donor Rolls

Giving to the College of Pharmacy

We are extremely grateful to the alumni and friends who supported our mission in fiscal year 2011, which ended June 30, 2011. If you made a gift after that date, your name will appear in next year's Annual Report. We strive to be accurate, but sometimes we do make mistakes. If we have made a mistake with any detail of your gift or your name, please accept our apology, and please let us know about it. You can reach our Development Office at: gocougs@pharmacy.wsu.edu or 1-509-335-8352.

Laureates

Lifetime gifts of \$1 million or more

Rick '71 & Jacquelyne '72 Doane
Eli Lilly & Company Foundation
*Charles Harrison '44
*Margit Harrison '40

Benefactors

Lifetime gifts of \$100,000 or more

*Carolyn Backstrom '34
Boehringer Ingelheim Pharmaceuticals, Incorporated
Boeing Company
Roger '68 & Jane '68 Bugbee
Cardinal Health, Incorporated
Clintec Nutrition
*Louise Darden '18
*Carol Doane
*Ronald Doane '50
*Morris Ewell '31
*Viola Ewell
J. Roberts '59 & Marcia Fosberg
Gasper and Irene Lazzara Charitable Foundation
*Evelyn Hart
*R. Franklin Hart '27
Immunex Corporation
*Marion Johnson
*Orville Johnson '39
Mary Jones
Lucille Jones
*Maynard Jones '50
*Dorothy Kennedy
*Dorothy Kennedy '16
Duff & Sharon Kennedy
Gasper & Irene Lazzara
Lifescan, Incorporated
Christopher '64 & Susan '64 Marker
Merck & Company, Incorporated
*Sue Mullen '27
*George Norin '34
*Iola Norin
*Muriel Peach
*R. Chester Peach '40
Pfizer, Incorporated
Bert Porter '50

Benefactors cont.

Providence VNA Home Health Care Services
James '57 & Diann '57 Robbers
Marshall '57 & Joyce Roberts
Audrey Simmelink
*Robert Simmelink '49
SuperValu Inc.
Thrifty/Payless
James '83 & Jennifer Torina
Walter and Hazel Hinman Foundation

President's Platinum Associates

Annual gifts of \$10,000+

David Bell '76
Bi-Mart Membership Discount Store
Champion Sports Medicine
Larry Dixon '64
Fraternal Order of Eagles #4226
John '65 & Deborah Oftebro
Patrick Pearce
Quality Food Center Pharmacy
Rite Aid Corporation
James '57 & Diann '57 Robbers
Audrey Simmelink
SuperValu Inc.
Walgreen Company
Washington State Pharmacy Foundation
*Harold Weatherman '27

Crimson President's Associates

Annual gifts of \$5,000 to \$9,999

*Allan Bell '33
William & Karen Campbell
CVS CaremaRxK
Egyptian Cultural & Educational Bureau
Fred Meyer, Incorporated
Robert '57 & Judith '57 Higgins
Medco Health Solutions, Incorporated
National Community Pharmacist Association Foundation
NBCRNA
Stanley Reinhaus

Silver President's Associates

Annual gifts of \$2,500 to \$4,999

AstraZeneca Pharmaceuticals
Bartell Drugs
Gerald Briggs '68
Wayne '70 & Pamela '73 Clemens
Gregory '82 & Doris '82 Gibbons
Brady '92 & Tammy Jens
Kroger
R. Grant '73 & Linda '78 MacLean
Occupational Health Solutions
Pharmacia Foundation
Pharmacy Consultant Services, Incorporated
Marshall '57 & Joyce Roberts
Spokane Pharmacy Association
John Walker & Jill Kerrick Walker '87
Wal-Mart Foundation
Walter and Hazel Hinman Foundation

President's Associates

Annual gifts of \$2,000 to \$2,499

Danial Baker '78
William Bethmann '50
Stephen '88 & Lisa '88 Boulanger
Robert & Brenda '83 Bray
William & Sharon Fasset
Arthur '51 & Norma Griff
Micheal & Holly '78 Henry
Mark '73 & Karla '74 Jones
Laurence '66 & Diane Martin
Fred '71 & Patricia McGinnis
Elizabeth Merk '76
William '81 & Margot Mich
Richard '72 & Patricia '74 Mitchell
Marlene Moser
Owl Pharmacies, Incorporated
Stanley '76 & Linda '78 Peterson
Raymond & Lina Quock
Vicky Rhodes '76
Robert & Ruthe Ridder
Schwab Fund For Charitable Giving
Thomas '85 & Gamette Sutherland
John '68 & Claudia Swenson
Chris & Colleen '96 Terriff
Brett Watson '08
G. Kirby '69 & Dianne '70 White
Chris & Gail Whitley
Scott '78 & Toney Williams
Stephen '83 & Lisa '83 Woodard

Bryan Society

Annual gifts of \$1,000 to \$1,999

American Association of Colleges of Pharmacy
Kerry '77 & Constance '77 Bachman
George Bartell
Jay '77 & Tamara Becker
Marvin '75 & Kaye '76 Chamberlain
Lawrence Cohen
Cougar Crest Winery
Margaret Doane
William & Maureen Guido
Hi-School Pharmacy
Lynn '81 & Alison '84 Johnston
Jon '93 & Gretchen '94 Jones
Todd Kolb '97
Richard & Marlene Kuch
Robert Larson '57
John '84 & Jennifer Mattoon
Earl '55 & Barbara '56 McIntosh
Gary Meadows & Kathleen Smith-Meadows '83
NACDS Foundation
Owl Pharmacies
Pharmacists Mutual
Donald '77 & Karalee Porter
Rosauers Supermarkets, Inc.
Safeway Stores, Incorporated
Sagen's Pharmacy
ShopKo Stores, LLC
Daniel & Sue Stein
Deborah Tannehill '70
Mary Thompson '53
Washington State Pharmacy Foundation
Susan Whitcomb Linker '79
David Zimbrick '97



Graduates of the pharmacy classes of 1951 and 1961 gathered at WSU in April for a reunion. From left to right are Bill Malley, Art Griff, Robert Lee, Ron Swanson, Leo Vandervort and Dick Kim.

Tower Club

Annual gifts of \$500 to \$999

James & Nora '72 Ahlgren
Robert '79 & Deborah '79 Askins
Beall's Pharmacy, Incorporated, PS
ChevronTexaco Matching Gift Program
William '55 & Shirley Cope
Robert '62 & Patricia Corless
David '86 & Wendy Doane
Kenneth Doane '75
Rick '71 & Jacquelyne '72 Doane
Eli Lilly & Company Foundation
Darren '02 & Kiersten '02 Flyckt
Keith '82 & Janene Heino
Jack Helgeson '75
Brian Henley '01
John '68 & Mary Herda
K-C Pharmacy, Incorporated
J. J. & Rene '94 Lane
Curtis '88 & Terri '90 Levien
Barry & Connie McNeill
Mukogawa Fort Wright Institute
Susan Nicholson '96
Claire Norris '49
Mark '76 & Deborah '75 Norris
Russell & Barbara Pagano
David '77 & Lee Pearson
Roger A. & Jane L. Bugbee Unitrust
Donald '75 & Susan '82 Seely
Kerrie Spoonemore '95
State of Washington
Wells Fargo Community Support
David '63 & Alta '64 Willms

Sustaining

Annual gifts up to \$499

Joshua '07 & Megan Akers
John '77 & Meredith Amoroso
Mark '71 & Joanne Anderson
Patrick & Colleen '79 Andreotti
Anonymous Donor
William '66 & Cheryl Ardrey
Ronald '76 & Katherine Baars
Elizabeth Baird '63
John '75 & Karen Baken
Gordon Baldwin '78
Bank of America
Anna Barrigan '50
John Benson '58
Lila Jaeger & Diane Berry
Joseph '78 & Marianne '78 Binetti
Kevin Bingham
Greg & Darcy '94 Blackman
Duane '74 & Gladys '74 Bloedow
Boeing Company
Roland '64 & Mary Bombino
Jo Bowlin-Johnson '82
Michael '76 & Shirley '75 Brady
Michael & Kathryn '85 Brown
Helen Browne '62
Joy Buchholtz
Roger '68 & Jane '68 Bugbee
John & Sheila '60 Bujacich
Ellis Bull '47
Daniece Burns
Stanley '64 & Sharon Bye
James '87 & Debra '88 Campbell
Neil & Beverly '60 Campbell
Bruce '86 & Julie Carleton
Mary Carpenter '74
Michael & Anita '80 Case
John '56 & Gwen Cavallini

Jerel '74 & Britta Chalmers
Diane Chin '91
Nam & Deborah '00 Choi
David '59 & Vivian Churness
Alfred '58 & Shirley Cole
Glenn '81 & Barbara Conway
Edward Cooney '55
William '75 & Linda Corpron
Gary Costner '63
David '87 & Elizabeth '86 Crouthamel
Diane Crutchfield
Tom '93 & Cheryl '94 Cunningham
Kenneth David '52
Patricia Dean '56
Christian & Angela '92 Dearing
Donald '70 & Christine '69 DeChenne
Christina Deliganis '61
Donald '87 & Jennifer '89 Delzer
James '78 & Linda Derrig
Stephen '57 & Linda Dibble
Sean '93 & Keri '93 Dobbin
Jason Doss '07
Pery & Darleen '91 Dozier
Patricia Duncan '46
Dunroamin Farms, LLC
Allene Dyer
Dennis & Nancy Eckhart
Monte & Sue Elder
Shahram '84 & Anabel Elie
James '65 & Susan '64 Els
Robert '83 & Lori '83 Erickson
Thomas '94 & Maria '95 Ernst
Natalie Eubanks '97
Randal & Harriet Evans
Joseph '78 & April '73 Faires
Pamela Farrell '73
Dawn Ford '81
Jennifer Fordice '08
William '69 & Felicia '73 Gaskins
Brian '99 & Naomi '00 Gates
John '68 & Jacqui Gay
Everett '56 & Dolores '57 Gibbons
Gene '75 & Lisa Gibson
George Gilbertson '50
Gary '84 & Lorrie Glennie
Stephen '89 & Cheryl Glover
Lita Green
Ramandeep Grewal '09
Barbara Groom '69
Wayne & M. Eileen Grove
Richard & Mary '79 Gumaer
Arthur '70 & Sharon Gurtel
Stanley '76 & Dawn '76 Halvorsen
Kay Hammarstedt '41
Ronald Hanni & Jeannette
Alpen Hanni '79
Philip Hansten
Brian '79 & Lorene '79 Harris
William Hayton
Russell '71 & Rebecca Hendrickson
John & Colleen '79 Hill
David '05 & Alison '04 Hind
Timothy Hoban & Kristine
Larson-Hoban '82
Wayne & Dona Hohman
Michael Horseman '81
Everett Hubbard '49
Marvin '81 & Sally Huff
Gary & Marcella '82 Hunter
Hugh '79 & Diane Irwin
Charles '50 & Marilyn Jacobs
Hedayatullah '99 & Masooma Jalalyar
Jan-Olov '88 & Hanna '90 Johansson
Doug & Karen '87 Johnsen

Ruth Johnson '48
Scott '89 & Britten '89 Johnson
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WHY I SERVE?

To me it's simple, and best described by the following words:

**OPPORTUNITY,
FRIENDSHIPS, PRIDE,
CONNECTIVITY AND
GIVING BACK**

Being the first from a family of eight to graduate from college, WSU already held a special place in my

heart. WSU provided me a unique opportunity to fulfill my dreams of graduating from Pharmacy school and taking advantage of the diverse experiences this career had to offer. Along the journey, WSU provided outstanding ways to build lifelong friendships that extended beyond my classmates to my professors and my fraternity brothers. WSU always instilled a sense of pride and family. I choose to give back and serve because WSU has always believed in its family with a strong commitment to developing the best and brightest leaders for the future. To this day being a Cougar is a special feeling and serving has been a great way to reconnect with other caring individuals.

My family and I are honored and proud to "give back" to WSU. Join me and the many Cougars throughout the world and serve, where you can truly be a part of something much bigger. It is a very rewarding experience where you, too, can make a difference in a person's future and life!

Respectfully Yours, and Go Cougs!

Frank D. Cholaj, RPh, MBA

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