

DAWG SCRIPTS

PHARMACY ALUMNI ASSOCIATION & SCHOOL OF PHARMACY NEWS

SPRING 2014



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SCHOOL OF PHARMACY
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“It was evident to the evaluation team that the [School of Pharmacy] takes great pride in their students’ professionalism and leadership qualities.” – ACPE Evaluation Team Report

DAWG SCRIPTS

Produced by the UW School of Pharmacy, with support from the Pharmacy Alumni Association (PAA)

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On the cover:

Springtime is here! UW School of Pharmacy in full cherry blossom bloom.

From the PAA President



SPRING HAS ARRIVED IN SEATTLE and from what I've heard, there have been some exciting days on campus, from the UW Cherry Blossoms getting their own Twitter feed (@uwcherryblossom) to Ellen DeGeneres, who brought her show to Seattle. Ellen encouraged her Twitter followers to show up at Rainier Vista dressed as "Seattle's Best." You can see the clip here: www.ellentv.com/videos/0-ri6ero9g/

This time of renewal also brings opportunities for new leadership to blossom in the Pharmacy Alumni Association. I am pleased to share with you that we have a new Mentorship Chair — Christy Weiland-Hamilton. Michael Ayres has moved to the role of Eastern WA Representative and David Bailey has volunteered to represent our Arizona Snowbird alumni population.

We are seeking the next President of the PAA and encourage interested alumni to contact me directly. As President of PAA you will be able to expand your network by meeting other alumni, grow your leadership skills, and, most importantly, give back to the school that has helped us all in our careers.

In addition to the role of President, we're looking for a couple of new PAA board members. If you are interested in contributing, but not yet ready to take on the role of PAA President, please consider serving as a board member. Just want to help with one program? Alumni are also welcome to join any committee. Contact me at rxalumni@uw.edu to discuss any opportunity.

If you are not ready to step into a formal leadership role, there are other ways you can help spread the good word about your alma mater. If you are on Facebook, please "Like" the School's page, share and comment on posts — doing so helps raise our profile with current and prospective students (www.facebook.com/UWSOP). If you tweet, follow the School on Twitter @UW_Pharmacy and retweet our stories — and send us yours. And we encourage you to provide feedback and input about Dawg Scripts which is funded in part by the PAA and is our signature publication. This is our collective magazine and our new Director of Communications, Sarah Guthrie, would love to hear your thoughts and ideas. Just drop her a note at gu3@uw.edu.

And of course, if you aren't already a member, please join the PAA. Our membership dues help fund scholarships for UW School of Pharmacy students — creating opportunities for the next generation of pharmacy leaders. As the role of pharmacists continues to expand, our field needs leaders with a commitment to service. The PAA also hosts several events, including the Katterman Lecture and the homecoming and reunion social. Make a difference and join today by visiting the PAA website at sop.washington.edu/PAA.

Jennifer Glasco, '09, President, Pharmacy Alumni Association

The Pharmacy Alumni Association (PAA) Gift Fund supports the UW PAA Scholarship, the PAA Professional Excellence Award, and other PAA programs. To make a gift, go to sop.washington.edu/PAAFund

From the Dean

AS MANY OF YOU KNOW, I have decided to return to my work as a faculty member here at the School beginning this fall. The past six years have been a challenging time, filled with great accomplishments, tests, and trials. When I began my work as Dean, I had a goal topmost in mind: I wanted us to achieve full accreditation. Accreditation is a key endorsement of our work as a community. Having been a faculty member before serving as Dean, I had confidence in our excellence and our ability to rally together toward this goal.

I am proud to share with you that our goal was met with resounding success. Earlier this year, we received word that we received full accreditation. Special thanks and recognition go to Dr. Stanley Weber for his leadership through and coordination of the accreditation process.

The feature story in this issue highlights the challenges we faced in reaching that accreditation goal: a declining global economy, tightened financial resources, significant changes to the healthcare delivery model, and the growth of competing graduate pharmacy programs.

None of those challenges threw us off course. We remained in the Top 10 nationally amongst Schools of Pharmacy. Our faculty continue to earn grants for their research breakthroughs, keeping us in the Top 10 of grant recipients. Our students continue to receive top honors and recognition with national organizations. We continue to lead in research, pedagogical innovations, community outreach, and academic achievement.

A particular point of pride is the development of the collaborative Interprofessional Education (IPE) curriculum. We led this initiative amongst our sister schools in Health Sciences: Public Health, Nursing, Social Work, Dentistry, and Medicine. Rather than work in silos, students collaborate in small cohorts with representatives from across the six disciplines. This pioneering pedagogical model shifts how we train and educate students in the Health Sciences fields. The results are improved patient outcomes and graduates who are better prepared for their careers.

We are seeing increased emphasis on the role of pharmacists as health care providers. Our IPE program prepares pharmacists for their clinical roles and by adding this interdisciplinary approach, we equip them to be leaders in shaping the role pharmacists play as providers. This spring our IPE students collaborated on communicating medical errors, oral care and its impact on community health, and veteran care. The program will continue to grow and expand.

With full accreditation secured, I look forward to the transition to the next phase of leadership, knowing that our reputation and strong foundation are in place. Our students and faculty will thrive in the coming years.

I'd like to close with a personal note of thanks to each of you. It has been my honor to serve as your Dean. A capstone of my work as Dean came just last month from LCDR Geoffrey Cheng (class of 2002) — an American flag that he had arranged to fly over the NATO Multinational Medical Unit at Kandahar Airfield in Afghanistan (see story on page 16). For me, his gift symbolized the breadth and depth of our work here at UW Pharmacy. We are training pharmacists who are committed to service, to be leaders in their field, and to make a profound difference in the world.

Sincerely,



Thomas A. Baillie, PhD, DSc
Dean, UW School of Pharmacy



Upcoming Events

**WSPA Northwest Pharmacy
Convention**

**Dr. Bill Fassett Reception
May 30 ~ 7:30 p.m.**

**UW Alumni Reception
May 31 ~ 5:30 p.m.**

*Coeur d'Alene Resort
Coeur d'Alene, Idaho*

**Annual Pharmaceutical Outcomes
Research and Policy Program
(PORPP) Gathering, ISPOR
Conference**

June 2 ~ 5 p.m.

*McKibbin's Irish Pub (The Main)
Montreal, Quebec, Canada*

**School of Pharmacy Graduate
Recognition Ceremony**

June 13 ~ 3:30 p.m.

*Meany Hall
UW Campus, Seattle*

139th Commencement Ceremony

June 14 ~ 1:30 p.m.

*Husky Stadium
UW Campus, Seattle*

**School of Pharmacy Professional
Networking Day**

October 10 ~ 3:30 p.m.

*Husky Union Building (HUB)
North Ballroom
UW Campus, Seattle*

When Aspirations Meet Recession: The 2013 School of Pharmacy Accreditation Process

UNLESS YOU'VE BEEN THROUGH IT, accreditation can seem a perfunctory part of university life. Most universities have it and you can't do much without it. The truth is that the work to become accredited and maintain accreditation is no small matter.

Every eight years or so, additional work is added to already full dean, faculty, and staff loads to ensure the highest standards of education are met, and optimally, exceeded. Stacks of data are compiled, multiples of meetings are held, countless reports are written, and presentations given. It is important, detailed, and nerve-wracking work and can be all-consuming for the people involved because the stakes are high.

Roughly speaking, there are three different outcomes possible from an accreditation review — a full, no-holds barred confirmation of academic, fiscal, and student-centered excellence, a partial confirmation with deficits in one or more areas, and failure.

When Dean Baillie took the helm of the School of Pharmacy in 2008, he had a clear vision for a full accreditation by the sixth year of his tenure. He did not want the complications of a partial accreditation but the clear blessing of the Accreditation Council for Pharmacy Education.

There was just one problem: the Global Recession.

The near-total collapse of the global and U.S. economy hit federal and state governments and universities hard. As the federal government rolled back spending in response to the recession, more pressure was put on cash-strapped states with sinking investment portfolios.

Normally a haven for students who can't find jobs in a recession,

universities noticed their graduate enrollments start to decline. To meet the aspirations for full accreditation, the Dean, faculty, and staff had their work cut out for them.

With a background as a faculty member in the School's department of Medicinal Chemistry and years of leadership in private industry, Baillie began an analysis of the processes in place to understand the operations. Working with the faculty and administration, the foundation was laid toward full accreditation.

New systems and approaches were adopted. For example, the Programmatic and Educational Assessment and Evaluation Plan was implemented to measure the School's achievement of mission and

"The School of Pharmacy demonstrates its leadership with a strong, affirming accreditation result. Congratulations to the faculty, staff, students, and alumni who participated and thank you for a job well done!"

ANI MARI CAUCE, PROVOST & EXECUTIVE VICE PRESIDENT
OF THE UNIVERSITY OF WASHINGTON

goals. A self-study review, executed in 2010, resulted in a strategic plan identifying what was working well and where there were opportunities for improvement.

New initiatives emerged from within the University community. Dean Baillie and the School of Pharmacy led the development of an Interprofessional Education curriculum, which became the number one collective priority of the UW Health Sciences schools. This leading-edge curriculum creates learning groups of students from the six disciplines: Pharmacy, Public Health, Nursing, Social Work, Dentistry, and Medicine — who work together to solve patient care issues.

Already in the Top 10 nationally for how well UW Pharmacy graduates are prepared for their careers,

this new pedagogy develops their collaborative leadership competency. The model empowers them for a future in which data-informed decisions must be made faster, requiring robust collaboration skills to navigate with colleagues and achieve the best patient outcomes. The long-range vision for the program is to make the approach a core part of the curriculum, further distinguishing the already excellent UW Health Sciences schools.

Experiential learning, long a hallmark of the UW School of Pharmacy, has increased significantly during Baillie's tenure. Student organizations are active and growing, resulting in numerous national awards, presentations, and publications.

The collaborative leadership approach brought to the students was implemented in the faculty body as well. Tools such as curricular maps and year-end debriefing sessions gave the opportunity for faculty to understand each other's courses better. With the increased understanding, several evidence-based modifications were made to improve the curricula and student experience.

The University changed the funding model which increased the School's accountability and the data available to make sound financial decisions. With multiple years of state budget cuts, the difficult decision was made to raise tuition to fill the gap and ensure a consistent quality of education and resources are available. Since then, tuition rate increases have been held to the market.

PharmD enrollment was increased from 86 to 100 students per year, while maintaining high standards for admission. Some key changes were made to student services and enrollment to support this increase, such as the addition of a team member to the Office

“Accreditation tells the story of the success of our students, our faculty, and our staff, we had high participation and engagement across the School community in a way we’ve not seen before.”

DR. STANLEY WEBER, ASSOCIATE DEAN FOR PROFESSIONAL PHARMACY EDUCATION.

of Academic and Student Programs.

Even with more students, the ratio of faculty/staff to students stayed on pace with other medium-sized PharmD programs. In years where other schools nationally were losing enrollments and scaling back resources, UW School of Pharmacy expanded.

Faculty continued their excellent work in the classroom and the lab. UW School of Pharmacy has consistently been in the Top 10 for NIH research grants, a measure of the innovative work performed. Professor of Pharmaceutics Jashvant Unadkat secured a \$4.7 million National Institutes of Health (NIH) National Institute on Drug Abuse grant to study drug disposition during pregnancy. The Bill & Melinda Gates Foundation awarded Shiu-Lok Hu, Gibaldi endowed professor of pharmaceutics, a \$6.7 million grant to join the Consortium for AIDS Vaccine Discovery and

collaborate with researchers from the Universities of Massachusetts and Pennsylvania on his HIV vaccine research project.

As more students were admitted and enrolled, physical space had to grow. With the addition of new space in the South Campus Center, the School’s space grew by a third. Offices for graduate students, a larger PharmD student lounge, and increased access to shared classroom space were available to students.

The L.D. & Jim Bracken Pharmacy Learning Center, renovated with donor funding in 2012, created a flexible learning environment for students and practitioners to gain the technical and clinical skills needed for patient-focused care. Six integrated learning areas comprise the Center: sterile products and biotechnology preparation

room, automated dispensing equipment area, technology-supported learning center, patient education/non-prescription products, patient assessment room, and conference room. The laboratory components of drug information, compounding, dispensing, communications and therapeutics coursework are all offered in the Center, and are supported by state-of-the-art computer, video, and telecommunications equipment.

With oversight from the School’s Senior Leadership Committee, an Accreditation Steering Committee, led by Dr. Stanley Weber, took up the work of accreditation in fall 2011.

All of the community’s hard work and difficult decisions resulted in the positive news that the School’s vision for full accreditation was secured. ACPE confirmed the UW School of Pharmacy’s accreditation through the normal eight-year period until June 30, 2022.

And for that We Thank You, Dean Baillie

IN HIS SIX YEARS OF SERVICE, Dean Thomas Baillie has led the School of Pharmacy community through extraordinarily difficult financial times to a fully affirmed accreditation. The School expanded student services, enrollments, increased faculty and staff hires, all while maintaining the School’s national rank in the Top 10. He recently announced his decision to step down as Dean and return to teaching in the fall of 2014.

In his letter to the community, he shared, “I believe this is a good time for a transition in leadership now that we have successfully completed our School of Pharmacy accreditation process. Our School and the university as a whole are in a strong position. We have weathered the economic storm of the past five

years and demonstrated our ability to continue to build and enhance our programs even during tough times.” Baillie will serve as Dean through September to ensure a smooth transition.

He will then continue his work as a faculty member in Medicinal Chemistry. “It is impressive that we have such a tight-knit group of alumni and friends who are so devoted to giving back to this School in so many ways. For that, I thank you — on my own behalf and on behalf of our students and faculty.”

And for your service as Dean in such challenging times, we thank you — on behalf of the students, faculty, staff, and alumni of the School of Pharmacy.



Consider supporting graduate and professional students in the School of Pharmacy through the Thomas A. and Kathleen M. Baillie Fund. Help our students further their educational goals by going to sop.washington.edu/BaillieFund to make a donation.

Beyond Common: Life Lessons as Professional Practice, an Interview with Micki Kedzierski

FOR THE PAST FEW YEARS, the Health Sciences Schools have developed an interprofessional series of lectures and studies around a common text. This spring, students and faculty are discussing *In the Realm of Hungry Ghosts: Close Encounters with Addiction* by Gabor Maté, MD, in a series of panels, lectures, and a course on addiction and harm reduction.

Michaelene (Micki) Kedzierski, RPh, CDP, Clinical Professor in the School of Pharmacy and Associate Director of Counseling Services, specializes in addiction and harm reduction. Dawg Scripts sat down to talk with her about her work both in and out of the classroom.



DS: What does the term “harm reduction” mean?

MK: Harm reduction is the two-fold work to reduce the impact of drug use on individuals and communities. Examples of harm reduction include needle exchange programs and overdose prevention programs. But harm reduction, to be done effectively and with impact, has to go well beyond that.

DS: How so?

MK: Harm reduction is really about reducing disparities in the provision of health care and human services to individuals and communities. This can include providing vouchers

and the People’s Harm Reduction Alliance along with StopOverdose.org are doing great work to educate opioid users and the public about the availability and use of naloxone for overdose prevention. The Good Samaritan law, passed in 2011, allows a person to obtain naloxone for use in someone who has overdosed, without the risk of arrest. Nonetheless, there are still challenges for the community here in Seattle — Hepatitis C infection continues to increase. HEP (Hepatitis Education Project) provides free hepatitis C screening, Hepatitis A/B vaccine, triage to medical care and

teach several electives including a practicum at the Salvation Army Adult Rehabilitation Center that gives students hands-on experience to understand addiction and recovery.

DS: How do you address these issues with your students?

MK: In this field there are three things you need to do: 1) meet people where they are; 2) question your assumptions; and 3) know that you don’t have to believe everything you think. It is important for health providers to know themselves. I’ve built on a model from psychotherapy to help students develop a “Therapeutic Frame” that provides access to understand how we all transfer our lived experience onto our perceptions of the other. I want our pharmacy students to understand what they bring to the table when they are providing care to their patients. For example, if they had a parent or a friend who is an alcoholic, that experience may inform how they treat their patients.

DS: How does that model inform how you train students?

MK: I emphasize the importance of creating a place of safety for the patient, which takes practice. Patients come in with their own context. They come from all backgrounds in life and have their own experiences with prior health care providers, etc. Their experiences may make them defensive,

“Exposing and decreasing the stigma of drug addiction is key to improving care. Drug addicts aren’t just in so-called bad parts of town — they can be colleagues, family members, and friends, using legal or illegal drugs, including alcohol. If there are fewer stigmas about addiction, people are more likely to seek help.”

MICKI KEDZIERSKI

for opioid addiction treatment and enrolling people in health insurance programs to improve access to health care and reduce the burdens on emergency rooms. Seattle is a progressive community when it comes to harm reduction. We’ve seen HIV rate dip to an all time low as a result of many of the programs in place for injection drug users.

DS: What kinds of programs are making a difference?

MK: The needle exchange programs through King County Public Health

case management and assistance in securing funding for treatment. However, drug users remain a maligned group, which interferes with getting treatment.

DS: How does the School of Pharmacy curriculum prepare students to recognize and manage addiction in their patients?

MK: Our students have one required course in chemical dependency, as they need to know how to recognize and manage these situations with their patients. In addition, I

SCHOOL & FACULTY *news*

UW School of Pharmacy faculty continue to hold in the Top 10 nationally for NIH Research Grants: www.brimr.org/NIH_Awards/2013/NIH_Awards_2013.htm

UW Department of Pharmacy received a five year K12 PCOR training award for approximately \$4M. Five new trainees will start later this year with **Sean Sullivan, PhD**, Stergachis Family Endowed Professor of Pharmacy and Director of the Pharmaceutical Outcomes Research & Policy Program, serving as Principal Investigator.



Department of Pharmacy Research Assistant Professor **Josh Carlson, PhD, MPH**, will receive the Bernie O'Brien Young Investigator Award from ISPOR. That award is named after the brilliant young scientist, Bernie O'Brien, who passed away prematurely in 2004. The award has been given 10 times and Pharmaceutical Outcomes Research and Policy Program (PORPP) alumni have won 3 times (Todd Lee, Shelby Reed, and now Josh Carlson) and is considered the most prestigious award for young investigators in the field.

Professor Thummel elected President of ASPET

The Chair of Pharmaceutics Kenneth Thummel will become President of ASPET on July 1, 2014. The 4,800-member society was founded in 1908 to further the growth of pharmacology and experimental therapeutics in the United States.



UW School of Pharmacy adjunct faculty member and '69 alumnus, **William (Bill) Fasset, PhD**, will retire this spring. A

gala will be held in his honor at the Northwest Pharmacist Convention on Friday, May 30. Even if you are not registered for the conference, you may still attend the gala. If you have a funny anecdote or testimonial about Dr. Fasset, please email those to kelly.sylvester@wsu.edu for the program. For more information: public.wsu.edu/~dpalmen/WSURx_BFasset_Invite/



After 15 years as Chair of the Department of Medicinal Chemistry, **Allan Rettie** has decided to step down this June. Professor

Rettie guided the department

through many curricular and organizational changes, and it is to his credit that Medicinal Chemistry is in as strong a position as it is today. We all wish Allan the best as he returns to a regular faculty position this summer.

Department of Pharmacy faculty members, **Shanna O'Connor** and **Skye McKennon**, will be leaving their roles as UW faculty at the end of this academic year. O'Connor served as the Acting Assistant Professor and Kelley Ross Faculty Fellow and specializes in community practice innovation and pharmacogenomics. McKennon is a Clinical Assistant Professor focused on health promotion, diabetes prevention, and lifestyle modification. "Their contributions to the School of Pharmacy have been excellent. We wish each the best in the next steps of their careers," said Peggy Odegard, Department Chair.

With over 37 years of service at the UW, **Kathy Hamilton**, our Director of Student Services, will retire at the end of July. Known for her warmth, humor, and kindness, Kathy has been a valued member of the Office of Academic and Student programs since 1989.

untrusting, or feel unsafe around authority figures, resulting in transference of those feelings to the healthcare provider. As providers, we may have our own counter-transference based on our experiences and it is our obligation to work out what our biases are so that we can properly treat the patient.

DS: What process do you use to bring to light those biases with students?

MK: One of my favorite tactics is to stand in front of a large, empty blackboard and ask students to call out the words they think of when

they think of the term "drug addict or alcoholic." As they call out words, I write them on the board. Typically, it starts with softer words — "victim," "impaired," and the like. As time goes by, more judgmental words start coming out — "dirty," "loser." Students start to see their darker beliefs about people struggling with addiction. By the end of the activity, the board is filled and it usually represents the broad perspectives we have as a society about addiction.

DS: That must be a powerful experience for everyone in the room.

MK: It is. Some students realize they are not equipped to work with patients with chemical dependency — that is good to know early on. I don't judge the students who feel that way. I want to encourage them to refer these patients to resources that can more directly address their concerns. Working with this patient population keeps me humble. Each day, I am reminded that living with addiction is very difficult. I'm there because this community of people needs something and I can help them find it, or at least create a safe space for them.

STUDENT news



We would like to extend hearty congratulations to the UW Institute for Healthcare Improvement – Open School Clarion Team on winning first place at the National Clarion Competition! The team (Pictured left to right: **Eric Sid MDc/MHAc**, **Nicole Kim MDc/MPHC**, **Huong Le**, **Third Year PharmDc**, and **Juan Magana MDc/MHAc**) worked incredibly hard over the past few months to be selected as the UW team and to prepare for this case. “They were outstanding and I am very confident in the future of health care based on their performance,” praised Dr. Brenda Zierler. Special thanks to Dr. Zierler from the School of Nursing who served as their faculty advisor.



The School of Pharmacy received 1st runner-up in the **Chapter Achievement Competition** in our division at the **American Pharmacists Association Annual (APhA)** Meeting in Orlando. It was a wonderful recognition of the school’s programs (including Project CHANCE, the Script Your Future video on medication adherence, and our collaboration with Seattle-King County Public Health on the emergency preparedness drill in the community). We are so proud of our students!

Adrian Hughes (Class of 2015) was appointed APhA-ASP National Contact Person for the International Standing Committee for the International Pharmaceutical Students’ Federation. Adrian will travel to the IPSF World Congress in Porto, Portugal as an official delegate from APhA-ASP this summer. He is serving on the International Standing Committee as National Contact Person.

The UW Academy of Managed Care Pharmacy local chapter competed in the P&T Competition in Tampa, Florida at the Annual Meeting and Expo in early April. **Shirley So**, **Hong Ho** and **Shirley Chong** (all Class of 2015) competed.

UW Pharmacy will be well represented at the annual International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Conference in Montreal in June. Two students, **Katie Gries** and **Kai Yeung**, are giving podium presentations. Six students will present posters: **Preeti Bajaj**, **Amy Cizik**, **Richard Kim**, **Meng Li**, **Marita Mann**, and **Tracy Yep**.



Pictured from left to right: Second Year PharmDc students **Christine Lee** and **Rory Cavaille**

PharmD students must pass an exam on pharmacy law called the Multistate Pharmacy Jurisprudence Exam (MPJE). To make the course more engaging and relevant to our students, Professor Tom Hazlet has them research a section of the law that isn’t working and go through an analytical process to propose a policy that works. Students present their findings to the Washington State Pharmacy Quality Assurance

Commission (PQAC), gaining real-world experience in advocacy and policy. In some cases, the student findings are enacted. In one case, the students filed a comment to the Federal Register. This year’s projects included Tramadol rescheduling, incentive coupons, Medicare access to PMP, Cost of compliance with USP <797> from two perspectives, drug description on prescription labels, Naloxone access, and collaborative practice agreements

UW Pharmacy students established a chapter of **Student National Pharmaceutical Association (SNPhA)** — dedicated to the pharmacy profession and serving the underserved. UW chapter founding president, **Tope Osiyemi**, was elected for a national position last year and was coordinating the West Coast schools. Thanks to Target Store for funding to help the chapter. The group participated in the Diabetes Expo at the Seattle Convention Center in April. Student participants also received training, sponsored in part by Walgreens. Follow them on Facebook at www.facebook.com/uw.snpha.



At the UW Medical Center Martin Luther King, Jr. tribute event earlier this year, the UW School of Pharmacy Project CHANCE program received a Community Volunteer Recognition Award for their diabetes-education program for homeless and low-income populations. Led by pharmacy students **Paige Mathew**, **John Eckstrom** and **Steve Erickson** the group is advised by pharmacy faculty members Nanci Murphy, Skye McKennon, and multiple community partners. Project CHANCE awards help fund projects that work to promote safe medication practices and interprofessional collaboration and delivery of services to the underserved.

Study Shows Naloxone Kits Cost-Effective in Preventing Overdose Deaths

Melinda Young

NALOXONE REVERSES THE DEADLY, respiration-stopping effects of heroin overdose.

Giving heroin users kits with the overdose antidote naloxone is a cost-effective way to prevent overdose deaths and save lives, according to a study released this week in *The Annals of Internal Medicine*.

Dr. Phillip Coffin, director of Substance Use Research at the San Francisco Department of Public Health and assistant clinical professor at the University of California, San Francisco, and Sean Sullivan, professor and director of the Pharmaceutical Outcomes Research and Policy Program at the University of Washington in Seattle, co-authored the study.

Drug overdose is now the leading cause of injury death in the United States. Opioids, such as heroin, account for about 80 percent of those deaths. Naloxone is a safe and effective antidote that

Locally, the Kelley-Ross Prescription Pharmacy has begun offering training to community and family members so they can be prepared in case of an opiate overdose. The School of Pharmacy recently hosted a Kelley-Ross training on Naloxone for the public in the new Bracken Learning Lab. Listen on KUOW bit.ly/RmiJp7

works by temporarily blocking opioid receptors. As of 2010, 183 public health programs around the country, including those supported by the San Francisco Department of Public Health, had trained more than 53,000 individuals in how to use naloxone. These programs had

documented more than 10,000 cases of successful overdose reversals.

The authors of this study developed a mathematical model to estimate the impact of distributing naloxone in this way. Their model was based on conservative estimates of the number of overdoses that occur each year. It accounted for people who overdose repeatedly. It also acknowledged that most people who overdose will survive whether or not they get naloxone.

In their basic model, Coffin and Sullivan estimated that reaching 20 percent of a million heroin users with naloxone would prevent about 9,000 overdose deaths over their lifetime. One life would be saved for every 164 naloxone kits given out. Based on more optimistic assumptions, naloxone could prevent as many as 43,000 deaths — one life for every 36 kits given out.

Naloxone distribution would cost about \$400 for every quality-adjusted year of life gained. This value is well below the customary \$50,000 cutoff for medical interventions. It is also cheaper than most well-accepted prevention programs in medicine and is most similar to the cost-effectiveness of smoking cessation or checking blood pressure. All reasonable assumptions produced costs that were well within traditional guidelines for cost-effectiveness.

"Naloxone is a highly cost-effective way to prevent overdose deaths," said Coffin. "And, as a



Naloxone bottles

researcher at the Department of Public Health, my priority is maximizing our resources to help improve the health of the community."

Naloxone has been distributed in San Francisco since the late 1990s and with San Francisco Department of Public Health support since 2004. During that time, heroin overdose fatalities slowly decreased from a peak of 155 in 1995 to 10 in 2010. Opioid analgesic deaths (such as those from the prescription pain medications oxycodone, methadone, or hydrocodone) remain elevated, with 121 deaths in 2010. Efforts are under way to expand access to naloxone for patients receiving prescription opioids as well.

Eileen Shields, San Francisco Department of Public Health and Sarah Guthrie contributed to this report.

Washington Pioneer Clinical Pharmacist Ed Wong Retires

Q: What do Martha Stewart, Pope John Paul II, and UW Pharmacy alum, Ed Wong, have in common?

A: They all graced the pages of the same issue of Newsweek magazine.

EARLIER THIS YEAR, UW alumnus Ed Wong brought an end to his storied career in pharmacy and retired from Premera, where he'd served as Vice-President, Pharmacy and Clinical Services for fourteen years.

Wong is a legend in pharmacy and medical circles, but few really know how much he has accomplished. His 43 years of leadership have had a lasting impact on the scope and direction of pharmacy practice in our state and nationally.

"I always wanted to be a clinical pharmacist," Wong recalls. "That's why I started in a hospital practice." When he graduated from the UW Pharmacy program in 1971, clinical pharmacy was still in its infancy. The PharmD degree was not even offered at UW. After graduating, Wong started at Valley Medical Center in Renton, with John Swenson who was among a hand-

When the Washington state legislature passed the nation's first pharmacist prescriptive authority statute in 1980, and the Board of Pharmacy created implementing regulations, Ed immediately got involved. "Ed was one of the first pharmacists in the US to receive a prescriptive DEA number with no limitations on medications under a prescriptive protocol. This was a major advancement for the profession of Pharmacy," notes Dan James, a colleague at the time.

When the UW offered a distance learning PharmD program as an upgrade for existing pharmacists, Wong was among the first to enroll and to graduate in 1998. On completion he taught the endocrinology module for 10 years.

Prescriptive authority grew over the next few years. Today pharmacists can prescribe at retail phar-



Ed Wong with his wife Kathy Price

"One thing pharmacists learned to do very well was influence without authority, because you're always trying to influence other people like nurses, doctors, specialists and surgeons. It's really a skill that pharmacists learn from clinical practice."

ED WONG

ful of pharmacists with a vision to develop clinical practice.

The 1951 Durham-Humphrey Amendment prohibiting pharmacist dispensing of legend drugs without a prescription limited the pharmacist's role. In response, pharmacists had focused on accurate dispensing and product safety, separating prescribing from preparation and dispensing of medicine. In the 1970s Washington state pharmacists began to expand their scope by adjusting medication dosing with physician oversight in the context of closed systems.

macies such things as emergency contraception and vaccines, maximizing the availability of flu shots and other adult vaccines. "Now that pharmacists have that experience, as the health care system looks for better quality of care, affordability and access, pharmacists can manage chronic diseases such as cholesterol and hypertension," said Wong.

Wong is known for his service to UW's School of Pharmacy. "He was a mentor to me in not only how to write a good prescriptive authority protocol and my clinical coordinator role but a mentor of

energy about pharmacy, advanced roles for pharmacists, and collaboration with other professions," said Peggy Odegard, Pharmacy Department Chair.

Wong received the school's Distinguished Alumnus Award in 1999 and since 2008 has represented the School on the UW Foundation Board. He is a Clinical Professor and a member of the Corporate Advisory Board. He is a Fellow of the American Society of Health System Pharmacists, received the Washington State Health System Pharmacy Association's Pharmacist of the Year Award, and was a Board Certified Pharmacotherapy Specialist.

In life as in his practice, "the world doesn't move fast enough for me," he confesses. "I'm always frustrated because I want to move faster!" This summer, Wong plans to "relax" by competing in an Ironman race. At 65, Ed has finished the Ironman Canada 30 times — one of only 2 athletes to do that — and the world championship in Hawaii six times.

At this time Ed has no plans for a future role in pharmacy. Given his history, we will see how long that lasts! With thanks for his service to UW and the pharmacy community and congratulations on his numerous accomplishments, we wish Ed the very best.

CLASS notes

Class of 1969 will be celebrating their 45th reunion this fall. At press time, the date had not yet been set, but it's in the works. Please contact Claire Forster for more information at clbrown@uw.edu.

Class of 1989 — It's time to reconnect! Contact Ron and Kristi Bennet to find out more! ilovegoldens2000@yahoo.com

Calling all 2004 Alumni! The class of 2004 will hold its 10 year reunion at Golden Gardens Park in Seattle on Saturday, June 21, from 10 a.m.-2 p.m. Catch up with colleagues, network, and have fun!

Distinguished Alumnus **Herb Tsuchiya, '55**, received the 2013 Visionary Award at the October 2013 gala hosted by The Northwest Asian Weekly. Herb spent much of his life as a Seattle pharmacist and serving the community, whether through organizations such as the Asian Counseling and Referral Service (ACRS) and Kin On Health Care, or through his church and his own business. Herb "is a talented 'Renaissance Man' who can do anything he puts his mind to, and since he is very creative, his inquiring mind takes him to many places," said Diane Narasaki, Executive Director of ACRS. Congratulations on your award and thank you for your leadership and service to the community, Herb!

William Corrison, RPh, '72, let us know that he's decided to ease into retirement and is stepping down from his position at Key Compounding Pharmacy in Federal Way, WA. Best wishes for a happy retirement, Bill!

After working a Group Health since graduation, **Sue Lasicka, '85**, "retired" last year and took a position at HealthPoint Community Health Centers. She is Director of Pharmacy for their nine clinics in eastern King County. "I love working here because we serve patients most in need of affordable health care," Sue told us. "Being a Pharmacist for 28 years has been a rewarding and stimulating but challenging journey." Thank you for your service and commitment — enjoy your "retirement," Sue!

Daniel Good, '88, just completed his year as President of the Missouri Society of Health-System Pharmacists (MSHP) and now serves as the Chair of the MSHP Research & Education Foundation. Daniel is currently the System Director of Pharmacy at CoxHealth in Springfield, MO.

Next month, **Patrick Gallaher, '95**, graduates with a dual masters degree in public health and business administration from Benedictine University in Chicago! He's looking forward to pursuing more of an administration/legislative role within pharmacy. Way to go Patrick!

Dawn Ipsen, '01, became the new owner of Kusler's Compounding Pharmacy in Snohomish, WA, this past January after managing the compounding lab there for 10 years. She is thrilled to be focusing on the long history of solving medication problems through custom prescriptions for people and pets. Congratulations, Dawn!



Craig Toman, PharmD, '06, welcomed his new little Husky — Louis Ty Brown Toman (UW School of Pharmacy 2038).

Congratulations to **Jenny He, '12**, for her \$25,000 research grant from the MultiCare Institute for Research and Innovation. The grant will allow her to study the impact that a pharmacist might have on readmissions by performing discharge medication reconciliation. The study is titled "Implementation and Assessment of Pharmacist Interventions during Transitions of Care for Heart Failure Patients (The PITCH Study)" The study, currently underway, is an extension of her residency project from when she was a PGY1 resident at MultiCare Tacoma General Hospital, and will likely be published. Outstanding, Jenny!

Kayte (Zumberge) Edson, '13, published parts of her dissertation in a first-author paper in the journal Biochemistry — and her paper "Cytochrome P450-Dependent Catabolism of Vitamin K: -Hydroxylation Catalyzed by Human CYP4F2 and CYP4F11" was featured on the journal's home page. Kayte is currently a Research Scientist at Amgen Inc., in Thousand Oaks, CA. Congratulations Kayte!

Don't be shy — tell us what you've accomplished! Your successes inspire and add value to all of us. Send your updates to Sarah Guthrie at gu3@uw.edu and include photos if you have them!



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Show your UW pride with the new, purple University of Washington license plates. With a portion of every purchase going directly toward academic scholarships, it's a great way to give back.

Get yours: uw.edu/huskyplates

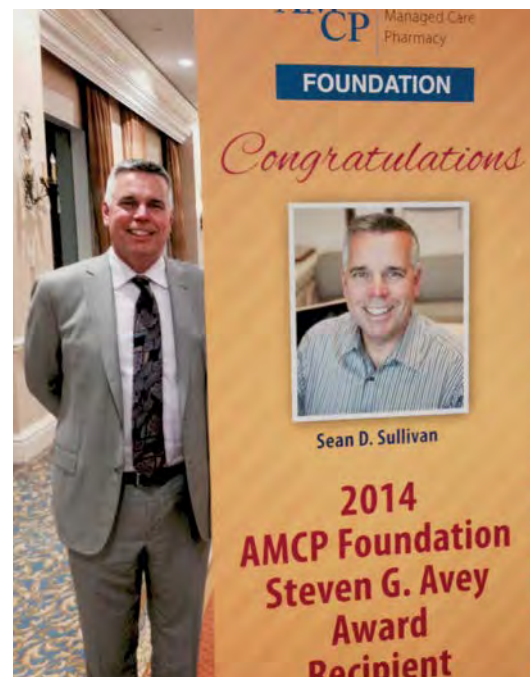
Dr. Sean Sullivan Honored with Steven G. Avey Award for Distinguished Service

THE PRESTIGIOUS ACADEMY of Managed Care Pharmacy (AMCP) Foundation Steven G. Avey Award for sustained, exemplary and distinguished service to the profession of managed care pharmacy was awarded to Dr. Sean Sullivan, Stergachis Family Professor and Associate Dean for Research and Graduate Education at the University of Washington School of Pharmacy.

Sullivan was chosen for his many outstanding accomplishments, including service as director of the UW Pharmaceutical Outcomes Research and Policy Program; Co-Director of the University of Washington Centers for Comparative and Health Systems Effectiveness; author of more than 350 journal articles, book chapters, task force reports and government publications; and past chair of the AMCP Format Executive Committee responsible for the AMCP Format for Formulary Submissions.

"The members recognized have made a positive and lasting impact on the practice of managed care pharmacy, contributing significantly to improvements in health care quality and affordability," said Edith A. Rosato, RPh, IOM, AMCP's CEO and Chairman of the AMCP Foundation.

To read Dr. Sullivan's acceptance speech, go to www.amcp.org/amcp-foundation/steven-avey-award/



Creating Intentional Collaboration Across Disciplines

THE HEALTH SCIENCES INTER-PROFESSIONAL EDUCATION (IPE) program offers an interactive, cross-discipline approach to tackling some of the tough issues graduates will face in their practice. Third year pharmacy students collaborated with Health Sciences peer colleagues to problem-solve matters of patient care.

In February, students practiced disclosing a medication error with patients and their families. "It is hard, breaking bad news," said School of Pharmacy Assistant Professor and IPE Lead Jennifer Danielson. "These activities helped the students understand the importance of team accountability." In March, they took on oral care as a public health issue — inspired by a student's rural practice rotation. The small town had a higher than normal incidence rate of cavities. The student has been invited back

to the town to share his findings and recommendations. Last month, the IPE team partnered with the Veteran's Administration (VA) Hospital to learn more about post-deployment care for veterans. "Students were really leaning in, really engaging with each other," commented Danielson. Half of all veterans receive their care outside the VA system and 80% of them have chronic pain issues. Veteran students participated as patients and shared their experiences to help their peers understand.

Volunteers are needed to support these activities — particularly Pharmacy alumni and preceptors in the community — to mentor students, facilitate sessions, or even perform as patients. Commitments are about a half-day a month. Please email oppe@u.washington.edu to volunteer.

Special Thanks

For this year's IPE participating Pharmacists: Jennifer Danielson, Peggy Odegard, Candy Naderi, Cathy Yeung, Christopher Duiven, Christy Weiland, Daniel Hahm, Donna Fujii, Heidi Welborn, Jennifer Kapur, Joshua Akers, Joshua Welborn, Karen Hansen, Lori Erickson, Lynda Tanagi, Mary Birchfield, Megan McIntyre, Michael Ayres, Negar Golchin, Bethany Irvine, Shandra Calmes, Theresa Valluzzi, Virginia Skipper, David Rose, and Judi Mar-Burbidge.

IN *memoriam*



Donald Roy La Croix, '69

"We lost Don this week. To me he was the best brother in law you could ask for. He was the warm, quiet, rock-solid center of a great family."
Terry Watson

Don La Croix, 73, a thirteen-year resident of Long Beach, Washington passed away peacefully in his sleep Wednesday, September 18, 2013, in his home. His wife of 41 years was at his side. He was born on August 16, 1940, in Rapid City, South Dakota and his family moved to Vancouver, Washington, when he was a child.

He attended the University of Washington on a wrestling scholarship, where he was a champion wrestler. While a student at the University, he was drafted into the Army. He served at the Walter Reed Medical Center in Washington DC, but spent most of his service in Europe, primarily in Italy.

After his service concluded, he continued with his studies at the UW, earning his Bachelor of Science In Pharmacy degree in 1969. His love and talent for the sport of wrestling continued after his graduation as he volunteered to teach kids how to wrestle.

Don worked as a pharmacist at Washington Pharmaceutical in Mercer Island, WA in the mid to late 1970s. In 1984, he and a partner bought the company. They sold the company in the mid 1990s and he worked for Evergreen Pharmaceutical in Kirkland, WA for a short time.

Don and his wife, Alfie, built their log home in Long Beach, WA and by 2000 had moved there permanently. Don semi-retired while in Long Beach and worked part-time at the Gallery Pharmacy for several years before full retirement.

Besides wrestling, Don was a tournament handball player, at one time ranking 2nd in the state. He was an avid outdoorsman, enjoying camping, boating, hunting, fishing, and hiking — especially when he could do any or all of these with family and/or friends. He was an avid Mariner's fan, enjoying season tickets for several years.

He and his wife, Alfa enjoyed traveling and took memorable trips to Fiji, Canada, Alaska, Mexico, and Costa Rica, just to name a few. He had a quiet way about him, but made many friends. Once he made a friend, it was a life-long relationship. Above all, he was a family man and adored his growing family. He and Alfie made it a point to attend as many of their grandchildren's activities as they could.

He is preceded in death by his parents, his two older sisters, and his step mother. He is survived by his wife, Alfa May (Watson) La Croix; three children: Jennifer (La Croix) Panico and her husband, Joseph Panico, Sr.; Jaleesa La Croix; and Patrick La Croix; and his three grandchildren, Jaleesa Panico, Joseph Panico, Jr., and Derick Panico; five siblings; eighteen nieces and nephews; and numerous great-nieces and great-nephews. His final resting place is Tahoma National Cemetery in Kent, WA.



Ruth I. Potter, '52

Ruth Irene Schefstrom Spinelli Potter, 85, passed away Jan. 24, 2014, in Vancouver. She was born May 8, 1928, in Aberdeen to August and Eleanor (Olson) Schefstrom.

She graduated from Aberdeen High School in 1946 and attended Grays Harbor Junior College before transferring to the University of Washington School of Pharmacy, where she graduated in 1952. She married Nick Spinelli in 1952, and they moved to Longview.

As a pharmacist, Ruth worked at Cowlitz General Hospital, Nick Spinelli's Pharmacy and Longview Apothecary. Ruth was a member of the Cowlitz-Wahkiakum Pharmaceutical Association.

She was preceded in death by Nick in 1964. She later married Joseph Potter. He preceded her in 1999. Ruth was preceded in death by her son, Jared Potter, and sister, Corinne Harmon. She is survived by five daughters, Dixie Dorsey, Carol Deaton, Debra Weber, Lia Stokes and Deanna Murphy; four sons, John King, Gary Potter, and Tony and Nick Spinelli; and numerous grandchildren and great-grandchildren.

She was laid to rest in Greenwood Cemetery in Cathlamet. In lieu of flowers, memorial contributions may be made to a local Hospice.

ALUMNI & FRIENDS: Out & About



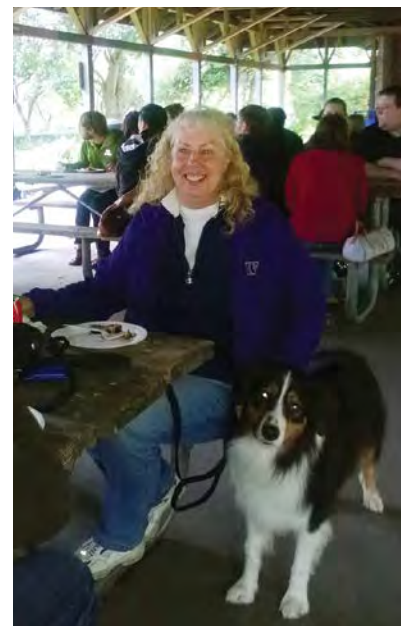
Homecoming

Washington Commons, October 25, 2013

ABOVE LEFT: L to R: Jean McLauchlan, '54, Ruth Ghormley, '46, Joy Plein, '51. ABOVE RIGHT: Dan Gaston, Lisa Gaston, '88, Laura Hart, PharmDc, '14, Blaze Paracuelles, PharmDc, '14. LEFT: Michael Arnold, Jenny Arnold, '06, and introducing Benjamin Paul Arnold (Future UW Pharmacy class of 2038).

Department Of Pharmaceutics Gibaldi Day Fall 2013

BELOW LEFT: Colleagues and their families braved the elements for a fun day together. BELOW RIGHT: Pet Therapist Mason with his handler, Kathy Hobson.





1993 Class Reunion

The Post-Bac class of 1993 visited campus, toured the Bracken lab and Health Sciences building and faculty.

Carlyn (Witt) Adams, Julie (Horsley) McCahill, Manya Sarram, Chris (Wenzel) Schueler, Ken Schueler ('94), Jane (Woodward) Kerzee.

**Classes of 1969, 1989 and 2004 —
Check Class Notes on page 11 for details
on your class reunion!**

Kenneth Thummel Receives 2013 Distinguished Alumnus Award



THE UW PHARMACY ALUMNI Association is pleased to confer its Distinguished Alumnus Award on Kenneth

Thummel, Ph.D. With a well-established reputation for excellence in all areas: research, teaching, and service, Thummel is universally held in high regard. He currently serves as Professor and the Gibaldi Endowed Chair for the UW School of Pharmacy Department of Pharmaceutics.

Dr. Thummel received his Ph.D. in Pharmaceutical Sciences from the UW in 1987. His current research spans from the molecular mechanisms of drug-induced disturbance in vitamin D metabolism, to micro-physiologic organs-on-a-chip, to large-scale evaluation of pharmacogenetic testing in the health care of Northwest American Indian/Alaska Native people. His research has the potential to benefit people living in the Pacific Northwest, Alaska, and across the United States and elsewhere.

“His ideas, passion for good science, and ability to collaborate with junior and senior scientists from around the world are really what distinguish him from others,” said colleague Yvonne Lin, Ph.D., and a graduate of his lab.

Thummel’s expertise and leadership has been sought by numerous organizations. He served on countless dissertation committees, on editorial boards for journals, as an elected member for professional societies, consultant to the FDA, and even as part of a subcommittee on Spacecraft Exposure Guidelines for the space shuttle program.

Thummel is the current President-elect of ASPET and was the Chair of the NIH XNDA Study Section and the Chair of the Drug Metabolism Division of ASPET. He serves on the FDA Advisory Committee for Pharmaceutical Sciences and Clinical Pharmacology and was an Associate Editor for Drug Metabolism and Disposition and a current Associate Editor for Molecular Pharmacology. He was honored as a Fellow of the American Association for the Advancement of Science (AAAS) and the American Association of Pharmaceutical Sciences (AAPS).

His research has been well funded throughout his career and is currently funded by three grants from the NIH. To date, he has more than 180 peer-reviewed publications and continues to collaborate with many of the scientists he has trained over the years.

Thummel’s involvement with junior scientists is legendary. “His graduate students and postdoctoral fellows are highly sought after...as it is well known that they are positioned to succeed by the training and mentoring they received from Ken,” reflected friend and colleague Steven A. Wrighton, Ph.D.

He puts the interest of others before himself, spending long hours reviewing research proposals for other scientists, tutoring pharmacy students, and writing letters of support for graduating students as well as alumni. “Ken’s enthusiasm for science is infectious, and his willingness to promote the accomplishments and contributions of his colleagues and associates creates a collegial and nurturing environment for all members of the department,” said colleague Danny D. Shen, Ph.D.

Congratulations Ken on your well-deserved recognition!

Pharmacy Alumni Association
Box 357631
Seattle, WA 98195-7631

UW School of Pharmacy Honored in Kandahar, Afghanistan

IT CAME IN AN UNASSUMING PACKAGE addressed to Dean Baillie one weekday afternoon. Folded carefully, with a Certificate of Authenticity, lay an American flag. Pharmacy alum, LCDR Geoffrey Cheng ('02) arranged for the flag to be flown over the NATO Multinational Medical Unit at Kandahar Airfield in Afghanistan in honor of his alma mater and "dedicated to the Faculty, Staff, Alumni, and Students who continue to forward the profession of pharmacy."

LCDR Cheng serves as a pharmacist and department head at the NATO ROLE III MMU hospital in Kandahar, supporting US, Coalition, and Afghan National Army forces for Operation Enduring Freedom.

In his letter, he noted that the pharmacy team provides support to the wide spectrum of services at

the hospital including the trauma bay, anesthesia/OR, an 8-bed ICU, a 12 bed ICW, and a primary care clinic. The medical personnel at the hospital regularly see injuries associated with IED blasts and gunshot wounds, such as head trauma, fractures, and skin infections. LCDR Cheng wrote that "many of the skills I learned at UW Pharmacy and UWMC are being applied on a daily basis, and I am truly grateful to the faculty and staff for all they have done for students like myself."

The Dean, faculty, and staff have been deeply moved by LCDR Cheng's words and recognition. "We owe an incredible debt of gratitude to the men

and women of our armed forces who serve our country," said Dean Baillie. "It is such an honor for us to be recognized in this way. We are deeply touched to know the impact our work is having on the front lines of care."

On behalf of the faculty, staff, alumni, and students of the UW School of Pharmacy, thank you, LCDR Cheng, for your leadership and service. We wish you a safe return home.

