

## **Everyday Huskies**

I HAVE LIVED ALL OVER THE U.S., but never have I been in a place like Seattle, where just about everybody has some kind of connection to the UW. I say that on a day when I had an appointment with my UW-trained dentist, celebrated no cavities by eating some Fran's chocolates (made by a UW business school grad), had a parent-teacher conference with my daughter's 5th grade teacher (another UW grad and Husky football nut), went to the library to pick up a book by Husky grad Timothy Egan, dropped by the Lake City farmers market (run by yet another UW grad) and listened to the M's game, where former Husky baseball star Mike Blowers explained why former Husky pitcher Tim Lincecum was landing wrong when he delivered a pitch.

What amazes me is how many times a day my life is made better by what I call Everyday Huskies. You know, not a Nobel Prize winner or cancer curer or even the



Husky grad who invented disposable diapers (thank you, Victor Mills, '26). I mean people like you and me, who take our kids to soccer practice and shop at Fred Meyer and listen every Saturday to Bob Rondeau on the radio and mow our lawns (sometimes).

It's the work of Huskies under the radar who make such a difference to so many of us, everyday. My job gives me the opportunity to meet the most amazing people in life, but I feel just as much satisfaction when I meet the Everyday Huskies who touch me all the time.

One of my biggest Everyday Husky heroes is Irvine I. Robbins. A Winnipeg native who grew up in Tacoma, he earned a degree in political science from the UW in 1940, was a member of Zeta Beta Tau, and served in the

Army during World War II. Then he went on to become the Robbins from Baskin-Robbins and invented the idea of 31 flavors. I always brag to my friends about the people who went to school here, who walked the same halls I did (when I was a photography student in the early 1990s), and I always mention Robbins. I mean, if a Husky can bring us joy like that, especially with the single scoop of German Chocolate Cake ice cream on a wafer cone, he is an Everyday Husky hero to me.

Jon Marmor EDITOR

~

## **Bow Down to Bothell**

Wearing winter boots in the wetlands is a great idea during the rainy weather, even for a pageant queen like Cassandra Searles, '12, a UW Bothell graduate who is the reigning Miss Washington USA. Searles, 24, who will compete in the Miss USA 2013 Pageant in June, is aiming to become the second state of Washington titleholder to earn the crown. The first was Miss Washington USA 1968, Dorothy Anstett, who went on to finish as fourth runner-up at the Miss Universe pageant. Searles, who holds a degree in business administration, works at Sterling Bank's Bellevue Commercial office. She has her sights on working for the FBI.

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Meet UW's cybersecurity superhero

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Designing the future of medicine, and more

PHOTO BY ERIN LODI

## To spend money on [a girls'school] is criminal when that money could support the college educations of our own American girls who cannot otherwise afford it.

## **Building Hope?**

☑ The work of Janet Ketcham is really inspiring (*Building Hope, December*). The decades of war, conflict and political gambling has deracinated the country, its institutions, as well as old traditions of peace and tolerance.

I think promoting education can build foundations for change, peace and tolerance on one hand and empower girls on the other. However, there is a need that all the development actors and philanthropists join hands and work together, as collective actions can be more effective and less expensive.

I am a UW graduate from the cohort of 2007-2008 and currently working with the International Rescue Committee in Afghanistan. IRC runs community-based education programs in the extreme poor and insecure areas of Afghanistan.

KARIM NAYAT
GRADUATE CERTIFICATE, PUBLIC HEALTH, 2005
MPA, 2008
SEATTLE

☑ I'm currently in Afghanistan working at a high headquarters unit (UW 2009). From what I can see, the last two decades of war have put this country deep into the

dark ages and Islamic culture is entirely entrenched into the societal values. It's a very patriarchal religion, where women are treated like property and used only for breeding. It's going to be a major cultural hurdle for the women and Afghan society to overcome this mindset and the bigotry that comes with it. Widespread egalitarian education is the best, most peaceful, prosperous way forward and a perfect counter-weight to extremism, but the results may take decades to see their effects.

ERIC
VIA COLUMNS ONLINE

☑ So long as children are raised in the Islam traditions, no amount of education will change their belief that Americans are infidels who need to be exterminated. To spend money on [a girls' school] is criminal when that money could support the college educations of our own American girls who cannot otherwise afford it.

The Afghanistan Moslems will be laughing at the foolhardiness of spending hundreds of thousands of American dollars for a new school building that will most likely be bombed into oblivion within a year.

ROSE FEDERICO, '87

## Smart Junk

☑ I'm glad to see a column on genomics (*Smart Junk*, *December*). I'd love to see one in clinical genetics, specifically through the Division of Medical Genetics. Just to let you know, we have the best adult geneticist division in the world, and we're translating the information provided by genomicists into the clinic.

CARLOS GALLEGO SENIOR FELLOW DEPARTMENT OF MEDICINE UW SCHOOL OF MEDICINE

## **Sonic Boom**

Outstanding piece on Rick Welts (*Out in the Open, September 2011*). He was a tremendous help to me when I covered the Sonics. A minor point: [coach] Bob Hopkins was fired because the team was 5-17, not 7-15. The final nail was his last game at the Coliseum. Owner Sam Schulman was there, and the crowd was fewer than 10,000—about the worst crime a coach could commit. Hoppy was gone the next day.

GREG HEBERLEIN
B.A., COMMUNICATIONS, '69
SEATTLE

[ Greg Heberlein covered the sonics for *The Seattle Times* in the 1960s.]



## WINE UPDATE: Readers respond to our wine article from December 2012

THE FOUNDING FATHERS In our story, *Purple Gold*, we neglected to identify the six UW professors who were part of a group of 10 friends who founded Associated Vintners in 1962. (It was renamed Columbia Winery in 1984.) They are all in this photo of a label from a vintage 1981 bottle of Associated Vintners wine. Top row, from left: Charles Sleicher, chemical engineering; Philip Padelford, '34, English; Donald Bevan, '48, fisheries; Lloyd Woodburne, Dean of the College of Arts & Sciences; Philip E. Church, '28, climatologist. Cornelius Peck, law, is second from the right, in the top row. Seated, at bottom right, is Angelo Pellegrini, '27, English, who advised the group about winemaking. Pellegrini wrote *The Food Lovers Garden*, which is still in print. They began by making their wines in the garage of Dr. Woodburne, Columbia Winery's first wine maker, in the Seattle neighborhood of Laurelhurst.

## **A Good Investment**

☑ I want to commend you after reading the December issue of *Columns*. I am a graduate of the UW. I stayed in the house in Cle Elum when my mother helped my father in the woods.

It came to me to get a job and save money to go to college, which I did. It made my life. It was not difficult and I graduated with a degree in journalism in 1949.

You have a commendable issue of *Columns*. [The UW] made many people's lives and have helped so many others.

Wanda Z. Larson B.A., communications, '49 portland, ore.

## **Blue Thunder**

☑ I've only heard the Blue Thunder Drumline (led by former Husky Marching Band member Keith Rousu, '99, below) a few times, such as at Seafair events. I wish that during televised Seahawk games, the camera would spotlight the band more. I hope to see the band this next year in 2013 at the Seafair Torch Light Parade or Chinatown Festival.

JULIE TROUPE



**MORE HUSKY WINERIES** Thank you, readers, for letting us know about these wineries. We can add them to the list we compiled in December.

CHELAN ESTATE WINERY Bob Broderick, '76

Dunham Cellars John Blair, '11

JM CELLARS
John & Margaret Bigelow, '84

PURSUED BY BEAR
Kyle MacLachlan, '82

MARCHETTI WINES Rich LaRosa, '72 St. HILAIRE CELLARS
Gary Jackson, '60

SOUTHARD WINERY

Doug Southard, '70, '84 Nicole Southard, '71, '73 Scott Southard, '03 Kevin Southard, '05

E. B. FOOTE WINERY started in 1978 by the late E.B. Foote, '61, was one of Washington's oldest wineries when it closed in 2011.

## **Worthy Admiral**

☑ I have always admired those who chose to serve our country through military service. I was not medically qualified to do so, but my family members have served in the U.S. Army, Navy, Air Force, and Marines.

I recently discovered that Admiral Herb Bridge (*Call to Duty, December*) maintained a residence on Whidbey Island near where I live. After researching Admiral Bridge's service, patriotism, and philanthropic activities, I was impressed. His contributions do indeed deserve to be preserved and his name honored for his unselfish contributions to our nation and his community during his life.

At a monthly meeting of our board of directors, I proposed that the Admiral's Cove Beach Club name one of the unnamed, club-owned features in our community in his honor.

Our roads have been named for famous admirals like Farragut, Leahy, Nimitz, Dewey, Kinkaid, and Rickover. Our playground was named in honor of Rear Admiral Grace Hopper. I believe Admiral Bridge deserves to be recognized in a similar manner.

DANIEL JONES
VICE-PRESIDENT, ADMIRAL'S COVE BEACH CLUB
WHIDBEY ISLAND

## **Defeating Disease**

☑ While I commend the effort to eradicate smallpox, it is so UW that the letter (Letters to the Editor, December) is used to bash and belittle the efforts of our military to provide for our peace and safety. As a son of a sailor in World War II, a soldier myself in Vietnam, uncle of a soldier in Afghanistan and Iraq, and father of a soldier in Afghanistan and Iraq, I can answer the question you headlined: "One wonders whether those 24 young women or the thousands of soldiers and billions of dollars spent in destruction did more to secure our peace and safety." In fact, it is soldiers who are willing to give their lives so that you have the freedom to bash and belittle.

WILLIAM JOHNS B.A., '68 CHENEY

☑ Defeating Disease (*Face Time*, *September*) is a far better effort than the sad waste of 10 years of deaths and billions of dollars spent in destruction. My thanks go to those 24 young women.

Francis Duda Wickliffe, Ohio



## **COLUMNS**

THE UNIVERSITY OF WASHINGTON
ALUMNI MAGAZINE
FOUNDED IN 1908
MARCH 2013 VOL. 31 NO. 10

4333 Brooklyn Ave. N.E. Box 359508 Seattle WA 98195-9508 Phone: 206-543-0540 Fax: 206-685-0611 columns@u.washington.edu

[ UWalum.com/columns ]

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Columns, the University of Washington alumni magazine, is published quarterly by the UW and UW Alumni Association for graduates of the UW (ISSN 1047-8604; Canadian Publication Agreement #40845662). Opinions expressed are those of the signed contributors or the editors and do not necessarily represent the official position of the UW. This magazine does not endorse, directly or by implication, any products or services advertised except those sponsored directly by the UWAA. Return undeliverable Canadian addresses to: Station A, PO Box 54, Windsor, ON N9A 6J5 CANADA.

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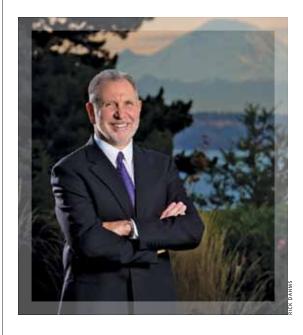
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# Preserving the power of public education



WHERE'S THE TECHNOLOGY and innovation capital of the world? A hundred years ago, the answer to that question might very well have been Detroit, where Henry Ford's new automobile company was revolutionizing the manufacturing process as well as "welfare capitalism" designed to improve working conditions for his labor force. My, how times have changed. Today, Detroit is known for its grittiness and determination, an image honed by the city's well-publicized struggles to recover and rise from years of economic blight and decay.

Detroit's shifting fortunes raise questions whether other regions will find themselves in similar positions in the future. Brad Smith, general counsel and executive vice president at Microsoft, has encouraged audiences to think about Detroit's experience relative to the Pacific Northwest. A hundred years from now, will Washingtonians look back with

nostalgia and regret to the time when our state was home to some of the most innovative organizations in the world only to see the pillars of our knowledge economy crumble? Preventing that bleak prospect from becoming stark reality requires one thing: people who can drive and sustain innovation. It's what economists refer to as "human capital," and the only way to develop that capital is through education, particularly public higher education.

As part of the Tomorrow's University Today initiative that I launched last fall, we are striving to ensure that the University of Washington is leading change in public higher education that will create transformational ex-

periences for our students and a better future for our region. How are we doing this? We start by recognizing a few key facts.

First, we recognize that today's students are very different from the students we studied with when most of us were in college. They have different expectations as well as different needs and capabilities. Technology has not only shaped the way they acquire information, but also how they process it, how they learn, and how they develop intellectually. At the same time, technology has evolved in ways that permit us to build on those developments and create significantly enhanced intellectual experiences for our students. Technology also gives us the capacity to expand dramatically access to our University so we can reach many more people and change their lives for the better.

With these developments in mind, we are combining the best of technology with the

best of our faculty to enhance our students' educational experiences. Our faculty are using a variety of online tools and doing things like "flipping their classrooms," whereby they put the basic content, including their lectures online and then use their class time for dynamic, face-to-face interaction with students. Educational outcomes are skyrocketing, along with student engagement and progress.

We are also using technology to help us achieve our mission of expanding access to the University. Last summer we joined a number of other top-tier universities in the online start-up Coursera, our first foray into the world of free online education through massive open online courses. Being a part of Coursera allows us to reach out to a huge global audience with thousands of students in each class.

Another new possibility that we are pursuing, in close conjunction with our faculty, is the creation of a new online degree completion program for students who have some college under their belt, but for whatever reason, never finished their degree. Studies indicate that there are about 800,000 such students in the state of Washington and more than 50 million nationwide. A recent survey, for example, indicated that more than half of early childhood professionals had some credits in their field but had not completed their degrees even though the vast majority of them believed that it would enable them to increase the quality of their care to children. If we can help provide assistance to some of them to complete their degrees, it will help address the college graduate shortage in our state, to be sure, but more importantly, it will change lives for the better.

Ensuring that Washington does not become the next Detroit requires a recommitment to invest in our greatest resource—our people. Our UW community is fully committed to taking on this work and to leading change in public higher education. Indeed, we believe it is an endeavor that is simply too important to fail. We invite our friends and alumni to be part of it.

michaelynouf

MICHAEL K. YOUNG, PRESIDENT



## A CALLING. A TERRIBLE PAIN. A REAL HERO.

ELPING PEOPLE IS my life, and I've been a firefighter for most of it. Next to my family, this job is the most important thing in the world to me. Losing it would have been unthinkable. But about four years ago, severe hip pain was making it increasingly difficult for me to do my job and support my team. It was clear I needed help.

My wife's research led me to Dr. Manner (*UW Physician*, *UW Medical Center*), who told me that I was a perfect candidate for a hip resurfacing procedure that could get me back on my feet. I told him I just wanted to be good enough to go back to work. "That won't cut it," he said. "I want you better than good."

Two procedures and a few months of rehab, and I have never felt better or stronger. I don't hesitate to say it: UW Medicine rescued my career.

READ KEN'S ENTIRE STORY AT uwmedicine.org/stories

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ftd.com

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fanatics.com



## Fun Footwear for Little Fans

You'll know your future Husky is on the run with these adorable squeak shoes. They're comfortable and flexible with non-skid soles and feature a removable squeaker wish they came in big Dawg sizes.







Huskies with "W" duct tape! The Washington logo appears on every piece you tear. Patch your pants, heavy duty tasks, creative projects, it's

extremely useful...have you seen the duct tape wedding dress? amazon.com



## A Harry for All Occasions

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## REAL DAWGS WEAR PURPLE

the featured speaker at the UWAA event Conversation & Cocktails in Dupont Circle in Washington, D.C., on March 13. To sign up, go to uwlaum.com/events or call 1-800-AUW-ALUM.

## **President Precedent**

BY DEANNA DUFF



Catching up with **ROBERT MERRY,** '68, political journalist, former CEO of *Congressional Quarterly* and author of *Where They Stand: The American Presidents in the Eyes of Voters and Historians.* 

## Robert Merry writes history as it

happens. A 1968 graduate of the UW's School of Communications, the esteemed political journalist wrote for *The Wall Street Journal*, was CEO of Congressional Quarterly Inc., and now is editor of *The National Interest*, a bimonthly international affairs magazine published by the Center for the National Interest.

## "Some people say journalism is dead.

I don't buy that. People are always going to want to know what's happening. News won't go away any more than oxygen will."

## "I loved growing up in the newsroom."

Merry's father worked at Tacoma's *News Tribune*, which sparked his son's writing ambitions. As a UW freshman, Merry began writing for *The Daily*, eventually rising to editor.

## "I was scared to death when I first

arrived, but I met so many fun people. The sports editor wore wooden shoes and there was an intellectual from India with a long, black beard which he'd curl around his fingers while hunched over his typewriter."

## "It was like a pig going through a python

with all the tension and activity." Part of the Baby Boom generation, Merry witnessed and wrote about the 1960s seismic social and political changes. "It was a heady time because of the student activism and foment on college campuses and around the country."

## He caused controversy by projecting

conservative views in *The Daily's* editorial pages while a student at the UW. A research project, however, brought him in contact with more like-minded, notable confidantes. "As a junior in college, I began corresponding with William F. Buckley Jr. who became a lifelong friend."

## History first jumped off the page and

captured Merry's interest when he was a young boy living on the East Coast. "We packed up the '41, rickety Ford and drove across the country from Gig Harbor to Charlottesville, Virginia. That's where I developed a deep passion for history. I saw Monticello, the Civil War battlefields and it was all so beguiling."

## He eventually covered presidential

candidates, the White House and interviewed Ronald Reagan in the Oval Office. "It was interesting to encounter and see them up close. I got to know Richard Nixon. I wrote a letter thanking him for dinner at his house (in the 1980s). He wrote back and we had a brief, interesting exchange about America's political culture."

Where They Stand: The American Presidents in the Eyes of Voters and Historians, published in 2012, is one of four books authored by Merry and assesses the success of U.S. presidents, including many he met personally. "Our system, in my view, is a work of genius."

## "We are a country in crisis, but I'm a

relative optimist. I believe that eventually a leader will emerge who'll figure out how to change the political landscape and create new coalitions that will break the deadlock that now has America frozen."

Seattle freelance writer Deanna Duff is a regular contributor to Columns. Her interview with Washington State Poet Laureate Kathleen Flenniken appeared in December.

## **Sports**

POLL POSITION



## Great Expectations The Husky golf teams find

themselves in a similar position: perched high in team and individual rankings. So high, in fact, that the phrase "national champion" can't help but creep into conversation.

"I don't know that we'll continue to talk about it, but that was our expectation from the start," says Mary Lou Mulflur, '80, coach of the No. 1-ranked women's team. Likewise, men's coach Matt Thurmond notes that the subject is familiar to his No. 6-ranked squad. "I don't need to remind them or put it on bulletin boards." Leading the way for the men's team is the trio of senior Chris Williams, sophomore Cheng-Tsung Pan and junior Trevor Simsby, all of whom were named to the watch list for the Ben Hogan Award, the highest honor in men's collegiate golf. Williams has spent the last several months as the world's top-ranked amateur, while Pan now sits atop the collegiate rankings. The women's team is a young one. Leading the way is sophomore SooBin Kim, ranked second among collegians, and freshman Charlotte Thomas, named the Pac-12's Women's Golfer of the Month in September.

While some express surprise that these powerhouse programs are situated in the Northwest, the coaches think it may actually be an advantage. "The assumptions are that if you have perfect weather all the time, you're going to build more skill," notes Thurmond. "I think it might be the opposite." Mulflur adds that the perception that this isn't a golf hotbed puts a "chip on the shoulder" of her team. Whatever the motivation, both teams will have plenty of opportunity to display their resilience as they face the gauntlet presented by their Pac-12 competition. "You're well seasoned by the time you get to the post-season," assures Thurmond. Both coaches believe that their teams still have room for improvement—and expect it. Short of making any assumptions, Mulflur guarantees: "It's going to be a fun ride."—Paul Fontana

Clockwise from top left: SooBin Kim, Charlotte Thomas, Cheng-Tsung Pan, Chris Williams



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## THE LITTLE-KNOWN STORY OF A UW HISTORY PROFESSOR

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## ESCAPE ARTIST

 $A\ democratic\ societ$ y needs a professional intelligence service, staffed by liberal-arts educated individuals of integrity and imagination, and that the study of intelligence as an enterprise is important to military, diplomatic and political history. — YALE HISTORIAN ROBIN WINKS

> HEN W. STULL HOLT arrived in Seattle in the fall of 1940 to start his new job as the chairman of the University of Washington history department, the university was thrilled to have a rising faculty star to modernize the department. But the UW was getting much more than a proven scholar and teacher in Holt, who was recruited here from Johns Hopkins University. The New York City native—who went on to teach at the UW for nearly three decades—embodied a concept I call the "Warrior Intellectual." That refers to highly educated men, mostly faculty at leading universities like the UW, who chose to leave their jobs during wartime to serve their country. A decorated veteran of World War I, Holt's patriotic instincts spurred him to once again act on behalf of his country in September 1941, three months before Pearl Harbor, when he sensed

> > - By JIM KAHN ----

America's entry into World War II was only a matter of time. Little did anyone know that this scholar, teacher, husband and father—perhaps best known for his 1933 book *Treaties Defeated by the Senate*, which became a standard in many graduate courses—would go on to become a hero during the second world war. But looking back on Holt's life, it really shouldn't have come as a surprise.

During World War II, Holt fashioned a magnificent collaboration with MI-9, the British intelligence service which saved the lives of thousands of Allied pilots (and others) who were behind enemy lines. For his top-secret work in the field known as "Escape and Evasion," Holt received the most prestigious honor the British government can bestow on a foreigner—the Order of the British Empire. Uncle Sam presented him with a Silver Star, one of the highest military decorations.

But the legacy of this professor, who retired from the UW in 1967, runs much deeper than the life-saving work he did in Europe 70 years ago. The escape-and-evasion theories and techniques he developed then are still being used today by the U.S. military.

An East Coaster through and through, W. Stull Holt was educated at Cornell and George Washington University. He was making his mark on the faculty of Johns Hopkins in Baltimore when Solomon Katz, the renowned UW history professor and administrator, came calling to bring him to the Pacific Northwest. Here, he was one of a legion of "Warriors Intellectual" who made such a difference to this country.

## The Rise of the Warrior Intellectual

■ Perhaps the most famous American example of a "Warrior Intellectual" is Theodore Roosevelt, outspoken proponent of "the strenuous life." While not an academic, he was a prodigious intellectual, a serious reader and accomplished writer on a wide range of subjects. His book on the Naval War of 1812, for instance, was regarded by the Royal Navy as the authoritative scholarly work on that subject.

Yale historian Robin Winks understood the theory underlying the concept of the "Warrior Intellectual." In his book *Cloak and Gown: Scholars in the Secret War, 1939-1961*, Winks wrote about a contingent of Yale professors and students who interrupted their campus lives at the outset of World War II to join the un-uniformed spy ranks of the intelligence community—in this case, the OSS (Office of Strategic Services), forerunner of the CIA.

Those gentlemen did not fit the "Ivory Tower" stereotype widely applied to campus-bound scholars. Instead, they fill the subset of "Warrior Intellectual," part of the larger group of "Active Intellectuals," who don't restrict their pursuits to college campuses but get involved in their communities, civilian and military.

Holt was a prime example of both groups, as his military (and political) careers attest. While the Warrior Intellectual, as a scholar, is primarily engaged with the "life of the mind," he is just as willing to defend his country. Many did so during World War II, coming from Ivy League institutions and public universities—like the UW.

Winks' book, which was published in 1987, explored the underlying bonds between the university and the intelligence communities. While it focused on the group from Yale, the book's end notes state: "The story I would most like to be told is that of W. Stull Holt, the American scholar who was in charge of liaison with Britain's MI-9,

the escape-and-evasion operation that helped get downed Allied pilots (and others) out from behind enemy lines. Holt sought to achieve the same magic for the American Eighth Air Force, and though his work is attested to MI-9: Escape and Evasion, 1939-1945, a book by M.R.D. Foot and J.M. Langley, there is an important record to be set straight. Holt had been a professor of history at Johns Hopkins and subsequently at the University of Washington, and I had known him and admired his work."

Winks wasn't the only one who thought highly of Holt. In 1988, historiographer Peter Novick, in his history of the historical profession, *That Noble Dream*, validated Holt's commitment to action in the public arena as well as to ideas and ideals by calling him a "belligerent interventionist."

Thomas J. Pressly, the late, legendary UW history professor who was brought here by Holt himself in 1949, once wrote that, "Stull declared war on Germany in 1936, although the U.S. did not get around to that position until 1941. I suspect that Holt never rescinded his 1914 declaration of war on Germany, but just suspended it from 1918 to 1936."

Theodore Roosevelt perhaps summed it up best when he wrote: "It is not the critic who counts; not the man who points out how the strong man stumbles, or where the doer of deeds could have done them better. The credit belongs to the man who is actually in the arena, whose face is marred by dust and sweat and blood ... if he fails, at least [he] fails while daring greatly. So that his place will never be with those cold and timid souls who know neither victory or defeat."

Clearly, minus Roosevelt's nasty assessment of sideline critics, Holt meets the standard, a true avatar of the "Warrior Intellectual."

## The Great War Beckons

■ *In 1917*, Holt left his studies at Cornell to join the American Ambulance Field Service in World War I as an ambulance driver



## GREAT WAR

This 1919 issue of the American Field Service Bulletin pays tribute to Americans like Holt who lived in France and served so admirably as ambulance drivers during the first world war.

## UW SCHOLARS ANSWER THE CALL OF DUTY

How many UW "warrior-intellectuals" were there in World War II? We do not know how many had as clear and selfless a sense of duty as W. Stull Holt, qualifying them for defined inclusion as fitting the Teddy Roosevelt model. But the 1944-45 UW catalog gives us a sense of participation: 89 faculty were listed as on leave from an institution much smaller than today's. Assuming a small number of regular leaves, i.e., sabbaticals, the vast majority were war-related; either for military service or at research entities, governmental

or academic. In the tiny History Department, of 12 faculty, who taught a total of eight courses (compared to today: more than 40 faculty teaching 200 classes), three were listed as on leave. Besides Holt, they were two UW legends: Giovanni Costigan and Solomon Katz, who would go on to become provost at the UW. And, of course, many students left campus to serve, including a fair number inspired to fit the designation of warriors intellectual. If you know of more names, please contact us at columns@uw.edu.—Jim Kahn

attached to the French army. He subsequently joined the American Air Service, where he won his wings; and, as First Lieutenant, flew combat missions as an observer-bombardier-gunner, and was wounded and gassed. For his contribution to the Allied war effort, the French awarded him the Croix de Guerre. (Holt's World War I career is traced by Pressly in The Great War at Home and Abroad: The World War I Diaries and Letters of W. Stull Holt.)

After "the Great War," Holt returned to Cornell, where he completed his undergraduate degree under famed historian Carl Becker, his M.A. at George Washington and his Ph.D. at Johns Hopkins. He then settled into the academic life, teaching and writing. He followed public affairs keenly and was never an ivory-tower intellectual; his military interventions showed otherwise, as did his political activism: he was a two-time delegate to the National Democratic Convention and a member of the Platform Committee.

## Holt Returns to War in a Different Role

■ *On a trip* to Washington, D.C., in September 1941—three months before Japanese bombs fell on Pearl Harbor—Holt called on the War Department, hoping to be cleared for a combat flying role. His age of 45 unsurprisingly disqualified him, but one Air Corps officer, recognizing Holt's trained skill in the gathering, evaluation, and transmission of evidence, told him that he was fit for intelligence work as a staff officer.

After months of waiting for an assignment—a War Department acquaintance had alerted him that the Department had been swamped with similar requests—he wrote an old Baltimore friend with close ties to Secretary of War Henry L. Stimson. Holt's letter explained that this was the only time he had ever asked for a favor of this kind. The activist urge of the Warrior-Intellectual had prevailed over any favoritism concern.

On July 24, 1942, Holt finally received his orders from Major General Carl "Tooey" Spaatz, the legendary commander of the U.S. Eighth Air Force, based in England. Spaatz knew British Brigadier Norman R. Crockatt's intelligence operation and wanted an American clone.

Holt's mission: emulate Crockatt's success to serve the fliers of the Eighth Air Force. While Holt would no longer experience the thrill and danger of combat flying, this assignment was the next best thing—his ticket to a command position in the dramatic, thrilling world of "escape and evasion" and in its connected responsibility

of interrogation. Interrogation involved three main components: debriefing Allied fliers after successful missions; interviewing "escapers and evaders" (those who escaped from German prisoner camps or those who parachuted or crash-landed and then evaded capture, navigating pre-designated escape routes to "safe houses" and "helpers" who led them to freedom); and finally, getting information from German prisoners of war – fliers and ground forces, after Holt's responsibility was enlarged after the D-Day invasion to include ground troops.

## A Perfect Model: Brigadier Crockatt

■ **Britain**, entering World Wars I and II at their outset, developed a sophisticated military intelligence infrastructure composed of a set of "MI's." By the end of 1941, these units, commanded by Brigadier Norman R. Crockatt, were in charge of managing two areas of military intelligence: one concentrated on communication with British and Commonwealth POWs, escapers and evaders; the other unit oversaw interrogation of enemy POWs.

Holt was not just impressed with the way the British organized its intelligence program. He was also taken with Brigadier Crockatt's leadership abilities. Holt, already an Anglophile, came to see Crockatt as the best of the best -- not just respected but revered by his men. Holt followed suit, and soon he, too, became revered by his staff. What made Crockatt such a brilliant leader was that, as a twice-wounded, twice-decorated infantry officer in World War I, he understood the divide between combatant and staff, and worked to reduce it. Crockatt was "clear-headed, quick-witted, a good organizer (sic), a good judge of men and no respecter of red tape," according to the book written by Langley (himself an escaper) and Foot (himself an academic don from Cambridge).

Early on, while forming his unit, Holt made a key decision that reflected similar personal qualities as well as his respect for the network Crockatt had built. He decided to use the British escapeand-evasion system and not attempt to create separate American organizations in German-occupied countries.

After the war, Holt characteristically commented on the oddity of making that decision without consulting anyone. He found it strange that his decision was left to a civilian then in the uniform of a Major (italics added to reflect his wry self-image) with no real military training. Clearly, Holt displayed two crucial leadership traits: personal initiative as well as the ability to not let his ego get in the way. In 1943, however, Holt almost lost his command in a classic bureaucratic turf war with the Pentagon. An examination of relevant documents reveals that Crockatt took the rare step to intervene on his behalf with U.S. military leaders—a touchy matter across national lines. That helped convince General Jacob L. Devers, Commander of U.S. Forces in Europe, to keep Holt, a decision he defended with the remark, "They can't run the war from Washington." Also, perhaps, without the clearly functional Crockatt-Holt partnership.

## The Matter of the "Other Front"

■ *Military historians* are primarily concerned with why and how battles—and ultimately wars—are won and lost: the clash of arms, and the "big-picture" strategic, tactical, and logistical analysis. Holt was no longer eligible for this "fighting front," but

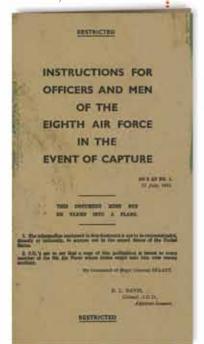
## TIMELINE Highlighting the career of W. Stull Holt



## 1916

At the age of 20, Holt left his studies at Cornell University to enter World War I. He first served as an ambulance driver for the American Ambulance Field Service. attached to the French army.

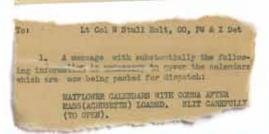
Holt's liberal-arts education served him exceedingly well during the war. His ability to learn from and collaborate with the British resulted in thousands of Allied soldiers (and those who helped them to freedom) being rescued from behind enemy lines.



In the pamphlet he wrote telling U.S. airmen how to act if shot down, Holt outlined what to say and what to keep private. It also included a section on "what else you can do to defeat the enemy."



## EED faithfully our precio freight Keep high the light for you



## 1943

This Mayflower calendar included hidden escape-and-evasion instructions for American fliers who were caught behind enemy lines. Calendars like these, which were mailed to American POWs in Axis prison camps, were examples of the work Holt did to help serve Allied forces.

## 1941

Although he was 45 years old, Holt eagerly wanted to fly combat missions in World War II. He was disqualified from flying but an Army Air Corps official thought he would be a good fit in intelligence.



## 1942

A decorated ex-infantry major who was Britain's deputy director of military intelligence, Brigadier Norman Crockatt was an inspiration to and key supporter of Holt, who was charged with creating a similar operation for the U.S. Eighth Air Force. They remained lifelong friends.



To help boost morale, each British flier facing action in hostile territory carried with him a postage-paid Prisoner of War Post that enabled him to write home and send updates to family and loved ones.



## 1945

For "exceptionally meritorious service to the government of the U.S. in developing, planning and organizing an extremely important and highly confidential activity of the Military Intelligence Service in the European Theater of Operations," Holt was honored with the Bronze Star Medal.



A behind-the-scenes turf war in 1943 put Holt's leadership of the U.S. intelligence unit at peril until

17 May 83. to the bath h M.I. Colonel, and / D a coop became I do not belie

Setting Patterns

British Brigadier Norman Crockatt intervened by sending hand-written and official notes supporting his American counterpart. This move helped persuade U.S. commanders to keep Holt.

## SECRET

HEADQUARTERS BURGEAN THEATER OF OPERATIONS UNITED STATES ARMY

12 No. 1912.

## SA CLASS



To summon attention from airborne rescuers in the event of being shot down behind enemy lines, combat personnel with the U.S. Eighth Air Force were equipped with a two-sided Emergency Signaling Mirror. This was part of Holt's strategy to bring Allied forces home.



### CITATION

LIEUTERANT COLONEL WILLIAM STULL HOLT UNITED STATES ARMY AIR FORCES

HONORARY OFFICER OF THE MILITARY DIVISION OF THE

Colonel Holt was in command of an Intelligence Unit operating in the United Kingdom and later oversess. His seal and determination were instrumental in bringing about the close cooperation of the British and United States Services, while he never failed to ensure that British interests and security were fully safeguarded. He was largely responsible for the successful rescue of thousands of Allied Prisoners of War and Evaders.

## 1946

Holt's deft ability to collaborate with the British intelligence operation during World War II was a major reason why they were able to rescue thousands of Allied prisoners-and why he was named an Honorary Officer of the Military Division of the Most Excellent Order of the British Empire.



### 1961

The U.S. Army asked Holt (top right) to work with the Office of the Chief of Military History because of his experience in the military and as a history professor. This photo was from a meeting of the Secretary of the Army's Historical Advisory Committee in 1961. U.S. Army Photograph.



## 1991

The techniques and theories on escape and evasion that Holt developed in 1942 for use in World War II were used by the U.S. military during the first Persian Gulf War in 1991-and are still employed today.

The story continues

definitely for the "other front," with its own set of strategy, tactics, and logistics. This was the front of "Escape and Evasion."

The two fronts were conceptually interconnected in two crucial ways: returning escaped fliers to the front lines; and the gathering and protection of vital intelligence. (We must also not forget the importance of the creation of a communication system to maintain prisoners' morale during the trying ordeal of imprisonment). Ideally, if "escape and evasion" worked properly, airmen who were freed from behind enemy lines could return to fighting status; that was how the "other front" resupplied the "fighting front." Escape was almost the easy part. Evasion was trickier, involving the knack of inconspicuous travel; learning the escape lines; connecting with "helpers," members of the "Resistance" who risked torture and death to man "safe houses" and guide evaders to ultimate rendezvous and return to England.

Each of these roles offered opportunities to gather valuable intelligence, such as: 1) how to identify guards who might be induced to aid escapers; 2) was there a change in the demographic of guards which might reflect a manpower shortage; 3) what population groups should be avoided, such as fanatical Hitler Youth or residents of heavily bombed areas, who were more likely to execute fliers summarily; and 4) what was the state of the German transport system? In addition, a special type of intelligence was required. It concerned Allied criminal behavior—that is, the identification of stool pigeons among our captives. Archival documents include Holt memoranda listing American personnel accused by fellow POWs of betrayal, to be turned over to the provost marshal.

It was the joint responsibility of MI-9 and Holt's PW&X Detachment to train Royal Air Force and Eighth Air Force air-

## UW ENDOWMENT HONORS HOLT

The Professor W. Stull Holt Military History Endowment at the UW honors one of the UW's most renowned history professors. Professor Walter L. Berg, '48, '57, created this endowment to honor Holt, his professor and friend. Berg received his M.A. in 1948 and his Ph.D. under Holt's guidance in 1957.

## THE WARRIOR INTELLECTUAL: W. STULL HOLT AT A GLANCE

- Born: October 2, 1896, in New York City
- Died: October 13, 1981, in Seattle
- · History Professor, Johns Hopkins Univ., 1930-1940
- · History Professor, UW, 1940-1967
- · History Chair, UW, 1940-1954
- Editor, American Historical Review
- Executive Secretary, American Historical Assn.
- Delegate, 1968 & 1972 Nat'l Democratic Conventions
   National Platform Committee, Democratic Party
- Recipient, American Silver Star
- · Recipient, O.B.E from British Government

men to deal with missions gone wrong and to orient them to the ethos of the prisoner-captive relationship, as defined by the Geneva Convention of 1929.

## "Name, Rank and Serial Number"

■ The standard "greeting" of the German prison camp commandant to Allied captives was emphasized that their war was over. We can easily imagine the silent response: "That's what you think." They were taught by Crockatt and Holt that their war was not over, that it was their duty to attempt, repeatedly, to escape, evade, and ultimately return to their units to resume their active role in the war effort. The 1929 Convention protected them against harsh punishment for escape efforts. The Convention had also permitted them to limit their responses during the inevitable interrogations quickly following their arrival to "Name, Rank, and Serial Number." Their

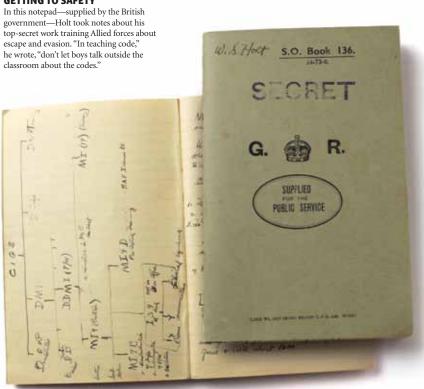
pre-mission lectures emphasized that what we now call "enhanced interrogation" was illegal. But the imposition of some discomfort, for example, exposure to heat or cold, though not protracted, was used by both sides, along with well-practiced "good cop/bad cop" techniques.

When positions were reversed, with the Crockatt/Holt team acting as interrogators of German POWs, the information-gathering system process was enhanced by hidden microphones secretly recording conversations between prisoners. (Documents detail fascinating transcriptions of German generals agreeing, in essence, that things would have been different had they, and not that idiot Hitler, been running the war; and that they were doing their jobs as professional soldiers, not as Nazi ideologues.)

## Rewarding The "Helpers"

■ When Allied prisoners escaped confinement, they were considered "evaders." They then made contact with the "helpers," whose noble efforts did not escape the Germans. In the summer of 1944, the Germans established in Paris the SD (SichersheistDienst: Security Service) for Counter-Evasion.

### **GETTING TO SAFETY**



By 1944, the Germans had penetrated or broken up many of the Allied evasion organizations operating in enemy-occupied territory. So successfully had they learned the methods of these organizations that they were able to organize large-scale counter evasion services of their own.

One document lists 168 U.S. and British escaped POWs who were recaptured; and, contrary to any convention, were sent to Buchenwald, where two of them died in that notorious death camp. Obviously, many more "helpers" met a similar fate.

Holt knew very well the dangers his team of "helpers" were facing every day. He later selected Major John F. White to head up a new awards unit which recognized and rewarded those who risked their lives to help Allied prisoners get home to England and Alliedcontrolled Europe.

The result, approved by the chief of G-2 [Intelligence Dept.], was a complex system of graded awards—reimbursements and decorations. The gratitude of the helpers is documented by a deluge of emotionally charged thank-you letters received by White's special unit. There was another kind of award as well. Captain Dorothy Smith, sent to Brittany to certify the contributions of a legendary Resistance leader, went beyond the monetary: she married him.

## How Much Success? A Look at the Numbers

■ *The number* of escapers and evaders, as calculated by the British War Office, tells an amazing story of endurance and success for the thousands of people who risked their lives after being behind enemy lines.

These figures reflect the fact that Britain had been fighting in all theaters of World War II, involving significant numbers of fighting men, since 1939. This early phase of the war was more a time of defeat—and capture—than of victory. The numbers cover the war theaters of Western Europe; including neutral Switzerland, which was a key haven, largely for escapers; and the Mediterranean, the latter because in 1943, Holt's responsibilities had been enlarged beyond the Eighth Air Force to include army ground forces in preparation for the invasions of North Africa and Europe.

British, including Dominion, Colonial, and Indian personnel: Escapers: 18,703. Evaders: 4,116. Total: 22,819. U.S.: Escapers: 1,806. Evaders: 5,653. Total: 7,459.

## Holt's Military Legacy

■ While researching the Holt story, I learned that Suzzallo Library had been contacted by Colonel (Ret.) Greg Eanes, who had a special interest in learning more of Holt's "back story" as well as of his military career. He had hoped that the library and Holt's family might have relevant documents. Suzzallo had plenty regarding Professor Holt. The family had plenty of material, which I had been examining through Tom Pressly's intervention and the family's cooperation, regarding Colonel Holt. Eanes, whom I met months later at the National Archives, had an understandable motivation. He was the Holt of the Gulf War of 1991, managing "Escape and Evasion," and realized his huge debt to Holt's methods and philosophies, which underlay his own. He also concluded that, besides the book MI-9, Holt—who died in 1981 at the age of 86—had not received anywhere near due credit.

## The relevance of the Liberal Arts

■ *How are* Holt's actions ascribed to a liberal arts/social science curriculum? The first is his decision to emulate, but not necessarily duplicate, Brigadier Crockatt's highly effective team. He chose cooperation over competition, allowing his unit to use British experience to shorten the learning process. Holt's value system permitted the application of cool reason to answer the central question; how most quickly and effectively could he bring his command up to speed? Others might have promoted a spirit of competitive nationalism— Yanks over Brits: we'll gain our own experience and do better than they. I argue that the values of a liberal arts education helped point Holt to his decision. It reflected a proper choice of values.

The second instance was Holt's deep concern to recognize the huge and high-risk contributions of the gallant members of the Resistance in the occupied countries, without which the success of Escape and Evasion would have been critically at risk. To Holt,



COLONEL GREG EANES United States Air Force, Retired

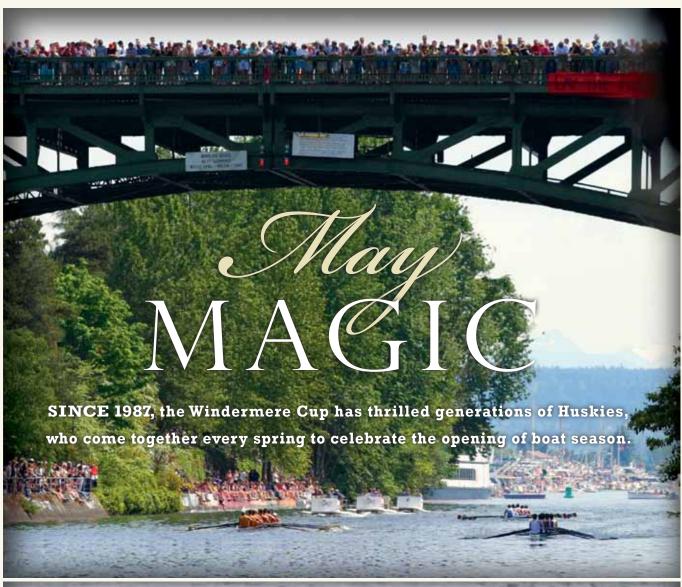
William Stull Holt is the 'father of American military evasion and escape intelligence.' While most people don't know it, the techniques used in the Korean War, Vietnam and the first Gulf War are a legacy of Holt's World War II activities."

recognition meant real follow-through: the establishment of a unit solely devoted to that end. It is not difficult to recognize here a profoundly meaningful application of humane values to the terrible realities of war.

It is also not difficult for those who studied the liberal arts and social sciences at the University of Washington, some perhaps with the guidance of W. Stull Holt, to feel a measure of institutional pride ... and to recognize that Yale historian Robin Weeks' specification had, indeed, a good measure of justification.

With deep gratitude, this article is dedicated to the UW, especially its stellar History Department and magnificent Suzzallo Library, where I studied and researched, guided by professors and archivists who became both mentors and friends. The University has become the focus of my and my wife Rosemary's educational and social lives, and we feel deeply indebted to it. In addition, we honor two remarkable people who died in 2012 and without whom this effort would never have even been conceived: Professor Tom Pressly and Jocelyn Holt Marchisio, loving and admiring elder daughter of Stull Holt. Stull brought Tom to the UW. Jocelyn welcomed Rosemary and me into the family, with full access to the Holt family papers. Ave atque vale!

-Jim Kahn holds an A.B. in history from Princeton and a master's in history from the UW. He is currently working on a book on W. Stull Holt.







world-renowned Husky tradition—one often called the best free event anywhere in Seattle—began with a front page sports story. It was May 1986 and veteran columnist Blaine Newnham quoted UW coaches as saying that nothing in the world compared to their crew teams' Opening Day, which had been held in conjunction with the ceremonial first day of Seattle's boating season since 1970. Thousands of boats and spectators lined the course. The Montlake Cut provided a natural amphitheater. And Husky teams ranked among the nation's best. "The stage is set in Seattle," Newnham wrote in *The Seattle Times*, "why not use it?" The next day, John Jacobi, founder of Windermere Real Estate, went to men's coach Dick Erickson and women's coach Bob Ernst with a proposition. "Let's get the best team in the

By CASEY McNERTHNEY

PHOTOS BY SASKIA CAPELL. PURPLE FAN PHOTO BY UW/RED BOX PHOTOGRAPHY.



"They're doing "TEQUILA" and the Husky fight song, and you're going through the cut and everybody's cheering. It was one of the biggest thrills."



world here," he said, offering to be the title sponsor. "Who's the best team in the world?" Both Soviet squads had just won the world championships. But the Cold War was ongoing. The Berlin Wall was still years away from coming down.

"Well," Jacobi asked, "can you get them here?" It wasn't easy. Ernst started by calling contacts with World Rowing in Switzerland. He enlisted the aid of former Husky athlete Norm Dicks, an influential U.S. Representative. Planning meetings more than 30 people deep with FBI agents, State Department officials and Seattle police followed. Once a deal was struck, the Secret Service were all over the UW campus and Jacobi's home. As the Soviets practiced in the days leading up to the race, armed police officers remained stationed nearby. But that first Windermere Cup created the rich, unmatched tradition Newnham and the Huskies had hoped for—and an unforgettable Seattle moment.

When the race was finished—won handily by the world-champion Soviets—the Husky men's shell pulled alongside the Russians and, in the shadow of a Coast Guard cruiser, traded their rain- and sweat-soaked shirts. Four of the members changed boats, and as they rowed through the Montlake Cut, fans flashed peace signs.

"It was one of the greatest moments of my life," UW junior Sarah Watson told Newnham as she stood on the dock in shoes gifted from a Russian who also had given up her seat. "I'll never forget it."

Every year, Huskies say the Windermere Cup creates a greatest moment for someone: a student athlete, a coach, alum, a band member, or family members watching with sack lunches along the cut. Next to that inaugural event in 1987, one of Ernst's favorites was the men's 1997 win against the Australian national crew—which had five gold medals between them. Current men's coach Michael Callahan, whose Huskies had a perfect season last year to repeat as national champions, recalls being a student athlete standing on the Conibear Shellhouse balcony to scout his Windermere Cup competitors in the 1990s.

John Buller, '71, former UW Alumni Association president and current Seafair chair, remembers years before the Windermere Cup when the Opening Day crew races would be held on the same day as the football spring game and crowds of roughly 25,000 would



gather. There also was the hot May afternoon in the early 90s when there was the impromptu water balloon fight among boats that felt much like the Seafair fun of late summer.

Sue Williams, '73, who went with her Husky parents as a child to watch crew races, loves how the UW band now starts the day by serenading fans outside the Seattle Yacht Club. When she served as the UW Alumni Association President, Williams rode in a boat with band director Brad McDavid, followed by the three yachts carrying the UW band.

"They're doing "Tequila" and the Husky fight song, and you're going through the cut and everybody's cheering," she recalled. "It was one of the biggest thrills."

HE TIMELESSNESS of the tradition is now enhanced during the day's first race by the presence of crews from the Ancient Mariners Rowing Club—a group featuring athletes whose college days began during the Eisenhower administration. And still, like the guys half a century younger, they have the same camaraderie and work ethic, braving the cold rain in early morning practices. No wonder the experience leaves some visitors thinking that the UW is too good to depart.

In 2001, six of the Romanian women's crew jumped ship after the Windermere Cup, defecting for a better life in Seattle. Two of the young women joined the UW team and one, Sanda Hangan, '07, was named Pac-10 Newcomer of the Year. The promise of a top-quality education and an association with a top-quality rowing program was what motivated her move, Hangan told reporters the following year.

It wasn't the first time a foreigner was swayed by the Windermere Cup. Roberto Blanda left the Italian national team to join the Huskies from 1992-95, though he went back home before enrolling at Washington and later competed for Italy in the Olympics.

As the Windermere Cup heads into its 27th edition, the results have become more predictable. The Husky men's varsity eight have won 20 of the 26 Windermere Cups, with the only exceptions since 1990 being the 2006 win by the Russian national team and Croatia's Olympic squad victory in 2001. The UW women have won 18, including the last six. Last year, University of Virginia men's coach Frank Biller told a reporter his team was looking forward to testing their championship lineup at the Windermere Cup, "to see how much we get our butts kicked by the U Dub."

No matter who wins, starting that two-kilometer course among all those party boats and yachts, then going through the Montlake Cut with thousands of screaming fans is a life-changing experience, just like it was for the Soviets in the 1987 Windermere Cup.

"I never heard a single word of the coxswain during the race," reigning world champion Andrej Vasiljev told Newnham that day. "Even the finals of the World Championships are not as impressive as this." — Casey McNerthney is a journalist at seattlepi.com.

## **ONLINE EXTRAS**

Read the story on UWalum.com/columns to learn more about Husky crew history, including UW's first intercollegiate race. • To learn more about Windermere Cup 2013: www.bit.ly/WOA9XN

Hackers can play havoc in our lives, but a UW professor is working to make sure you are safe

## VIRTUAL GUARDIAN

BY DAVID VOLK



Kohno's experiments are the stuff of science fiction movies: using a kid's Erector Set to spy on its owner, tracking a runner using his mileage monitor or even hackers taking over a car while it's driving and forcing it to brake to a stop. The only difference between Hollywood make-believe and reality is that this white hat hacker doesn't need special effects to make them reality.

He's already overcome all those challenges and he's constantly looking for more. And thanks to the increased use of computer chips that send out or receive information digitally in even seemingly simple devices like toys, ski goggles, cars and pacemakers, there will be no shortage of challenges in the foreseeable future.

The reason is simple, really.

Adding computers to items that haven't been online before makes them hackable. As an example, Kohno points to an Erector Set that came with a built-in wireless connection and a web camera that would allow the owner to control the resulting homemade contraptions via the Internet. While it may sound like innocent fun, its connection to the Internet might also give a less-than-well-intentioned-hacker the ability to spy on the child and her family.

"We actually looked at a number of children's toy robots. You'd be surprised at the number that even have video cameras and wireless connections," Kohno says. The 34-year-old associate professor of in the Department of Computer Science and Engineering doesn't want to be a killjoy, though. The school's only cybersecurity expert just wants to raise public awareness of potential concerns most consumers haven't even considered, but should. "We really need to get people to think about security proactively. People are not thinking about it [now] because they haven't been burned in the past," he says.

The same goes for product makers who are adding the chips, he adds. Although some folks within companies have expressed concern about possible security implications, the worry hasn't translated into action because many of the manufacturers involved haven't had to worry about computer security before.

If the experiments he and his researchers have conducted are any indication, there's plenty of room for concern. The smart meters people have installed in their homes to monitor energy usage are a case in point. While the level of communication between consumers and utilities is a good thing because it can help them be more energy efficient and save money, Kohno's team discovered a potential lack of security could allow a hacker to learn more about a family's habits all the way down to what television shows they watch.

In another experiment, Kohno's team also hacked into a car, flashed its lights, unlocked the power locks and started the ignition without a key. They also managed to put on the brakes while the car was moving. In a far more sobering development, he's even shown that it's possible to hack into pacemakers, insulin pumps and other medical devices. "I think the risk today is pretty small. If someone needed a medical device I would absolutely get one.

Cybersecurity expert Yoshi Kohno wants to raise public awareness of potential concerns most consumers haven't even considered.

The point is to understand these vulnerabilities," he says.

Although he enjoys thinking up new targets and experiments, he isn't doing it for fun. Instead, he's trying to stay several steps ahead of the hackers and find other potential problem areas. "We try to anticipate what will be the new hot technologies over the next 10 years" and look for their vulnerabilities so they can point them out to the manufacturers and the government to make products more secure.

Once he and his team successfully hack a device, they try to get manufacturers to plug security holes. Two major organizations within the auto industry, the automotive engineering group SAE International and the U.S. Council for Automotive Research, responded to his car experiment by setting up task forces to study ways to increase car security. Fortunately, most hackers don't have the same level of sophistication as Kohno's team.

Another way to put pressure on manufacturers to pay attention to security concerns is to educate shoppers. Although most try to prevent computer viruses and identity theft, the issue of cybersecurity for everyday, household consumer goods hasn't yet resonated with most people.

"It's safe to say that the average consumer of these technologies doesn't think about it. My hope is that that changes. I would love it if Consumer Reports started analyzing security" and parents start asking, "Is this toy that I'm buying for my child going to compromise his security?" Kohno has already started to push the needle in that direction by developing a card game centering on security. He also covers many of the same issues in his senior level security class, of course. Since security is an issue that crosses all of science and many different disciplines he says he believes that it should be covered long before students are in their final year.

"Our introduction to computer programming classes are taken by a huge number of people, not just people interested in computer science. I would love it if security was available to undergrads and all people taking computer science," he says, adding, "I would love it if we could integrate security as early as we can into the curriculum."

Until he can convince consumer magazines to focus on the issue of cybersecurity, his classes are the best way to have an impact on the problem in the long term. And not a moment too soon.

As he said on a recent episode of NOVA scienceNOW in which he was featured, "Our privacy is slowly eroding over time and we need to make a conscious decision to let it happen or try to stop it." —David Volk is a Seattle freelancer writer. His last piece for Columns was on Huskies in the wine industry.

## UW TACOMA TO OFFER MASTERS IN CYBERSECURITY

A new cybersecurity masters degree program set to start this summer at UW Tacoma offers aspiring computer industry professionals something they won't find at similar programs—a background in business. Launched partly in response to a request from the National Guard at Camp Murray, the year program has five 8-week sessions,

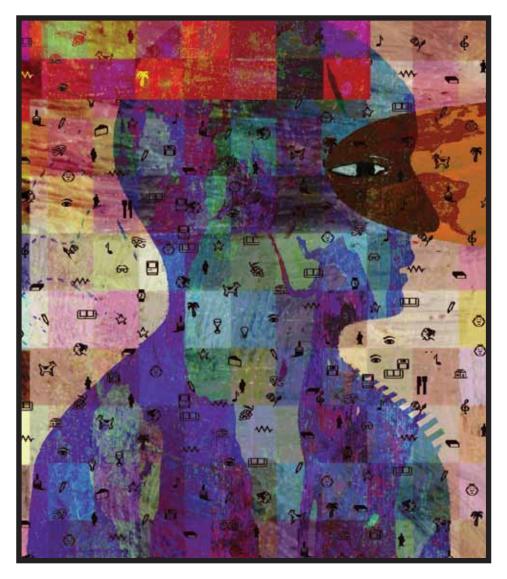
each featuring a business class and security class side-by-side. The pairings include Principles of Cybersecurity and Business Communication, as well as Building an Information Risk Management Toolkit and Organization Change. Students will also have an internship where they'll act as a cybersecurity consultant for a local company.

THERE ARE MORE
THAN 270 SPECIALIZED
RESEARCH CENTERS AT

**PROTEINS** 

by Deirdre Schwiesow

## DESIGNING THE FUTURE OF MEDICINE



iruses such as influenza and chicken pox have existed throughout human history, but their ability to wreak devastation on a large scale is a relatively recent phenomenon.

As population density increased after the invention of agriculture, diseases could be communicated more easily across broad populations before humans developed resistance. While millennia have passed, the basic problem of disease hasn't changed: it still takes time to develop resistance to emerging threats like SARS. And time, explains Trisha Davis, UW professor and acting chair of the Department of Biochemistry, is at a premium in a world that grows ever more crowded.

"Viruses are emerging—like SARS—that we don't have resistance to," says Davis. "They could have a devastating effect, unless we find ways to develop therapeutics quickly, in months rather than years."

The answer to developing a quick fix for a virus? (Or the answers to a whole host of other medical issues?) It might be found in proteins. Diseases result from protein malfunctions. Therefore, figured David Baker, UW professor in the Department of Biochemistry and a Howard Hughes Medical Institute Investigator, adapting or designing proteins could be the key to preventing and curing disease.

UW RESEARCHERS
DEVELOPED THE
CERAMIC TILES FOR THE
SPACE SHUTTLE.

THE DEVELOPMENT OF THE HEPATITIS B VACCINE AT THE UW HELPED REDUCE THE OVERALL INCIDENCE OF ACUTE HEPATITIS B IN THE U.S. BY 82 PERCENT FROM 1990-2007

## TEN MORE FROM THE labs

A SAMPLING FROM THE BREADTH OF RESEARCH UNDER WAY AT THE UW

no. 1-5

This idea has led to the creation of the University of Washington's Institute for Protein Design (IPD)—a new endeavor with the potential to revolutionize medicine and other fields. "Simply looking at the range of things that proteins do in living systems gives you a hint of what proteins could do if you designed them to order," says Baker, a pioneer of protein design and the IPD's director. "So the prospect of being able to design new proteins to solve 21st-century health problems is very exciting."

"A lot of strides have been made lately with this new field," says Michelle Scalley-Kim, Ph.D, '03, director of research and strategy for the IPD. "These are built on an understanding of how a protein folds into its unique structure—whether it's catalyzing a reaction or communicating between cells." Much of that understanding has come from Baker's work with a computer program called Rosetta, which analyzes proteins' structures based on their amino acid sequences.

One of the premises behind the medical use of designed proteins, says Davis, is that bigger is better. When researchers design drugs to combat disease, they are designing molecular structures that bind with the body's proteins. When it comes to therapeutics, proteins have an advantage over small molecules—proteins are bigger, have more sites where they can bind with malfunctioning proteins, and contain more information than small molecules—which gives them tremendous potential.

"Big pharma has invested a lot of money into small-molecule discovery—things like aspirin," Scalley-Kim explains. "But small molecules are not very specific, so you can't treat all the disease you want to treat. We want to design synthetic proteins that have exquisite specificity and are cheaper to produce."

The IPD already has made a significant step forward: the development of a novel protein that binds to the flu virus and blocks it from infecting cells. This protein has been licensed by a large pharmaceutical company for translation into a therapy to treat flu infections. Davis calls this work "stunning," saying, "they've basically developed the proof of principle" for the use of protein design for therapeutics. The IPD recently received federal funding in the form of a three-year grant from the Defense Threat Reduction Agency. In collaboration with researchers from UW's Applied Physics Lab, IPD investigators will work to shorten the timeframe for developing proteins, similar to the flu-inhibitors, as countermeasures to bio-warfare infections.

Baker's group is also exploring protein design for disease diagnostics. Currently, diseases are diagnosed using antibodies designed to respond to specific viruses and biomarkers in the body. Because designed proteins are more stable and cheaper to produce than antibodies, they could be ideal for use in developing countries.

"At some stage, [Seattle] will be a huge breeding ground for small companies who will take these therapeutics to market," Davis predicts. "The institute has tremendous potential to enhance the local economy. I have no doubt that, with resources, great things for modern medicine will come out of the IPD. There's a tremendous possibility to do good and help humankind."

## 1. CONTRACEPTION

## Nanofibers deliver big results

A UW team has developed a versatile platform that works as contraception and also protects against HIV. Electrically spun cloth with nanometer-sized fibers can dissolve to release drugs, providing protection that is inexpensive and contraception that is reversible. This is the first study to use nanofibers for vaginal drug delivery. > www.bit.ly/Rv5z7D

## 2. LEADERSHIP

## Dump the ego to lead well

Humble people are likely to be high performers in individual and team settings, and tend to make the most effective leaders, according to research from the Foster School of Business. Although not everyone is born humble, it is a trait that can be learned, like patience, say researchers. > www.bit.ly/VEU4rt

## 3. ETHICS

## **Guiltless go-getting**

Think cheating will cause remorse? Research from the UW's Foster School of Business indicates the reverse is true when it comes to low-stakes cheating with seemingly victimless crimes of minimal profit. Put to the test not only did cheaters feel an absence of guilt, they felt ... good. > www.bit.ly/YYG9hk

## 4. LANGUAGE

## Unborn babies tune in to their mothers

Babies only hours old are able to differentiate between sounds from their native language and a foreign language, according to a study at the UW Institute for Learning & Brain Sciences.

The study found that unborn babies listen to their mothers talk during the last 10 weeks of pregnancy. > www.bit.ly/Xna5lx

## 5. ADDICTION

### Overdose kits save lives

Researchers at the University of California San Francisco and the UW Pharmaceutical Outcomes Research and Policy Program found that giving kits with the overdose antidote naloxone to heroin users is a cost-effective way to prevent overdose deaths and save lives. Drug overdose is now the leading cause of injury death in the U.S. > www.bit.ly/W8k65k

## **DOWN SYNDROME**

## TRISOMY TRIALS

ertain medical problems experienced by people with Down Syndrome may eventually be helped because of a research breakthrough at the UW. People who have Down Syndrome have three copies of chromosome 21 rather than the typical two copies. A triplicate of any chromosome is called a trisomy—Down Syndrome being the most common in live births. A postdoctoral fellow in the Division of Hematology, Li B. Li., and gene therapy researchers David W. Russell and Thalia Papayannopoulou, describe the removal of the extra copy of chromosome



21 in cell cultures grown from a person with Down Syndrome in a recent report. "We are certainly not proposing that the method we describe would lead to a treatment for Down syndrome," Russell said. "What we are looking at is the possibility that medical scientists could create cell therapies for some of the blood-forming disorders that accompany Down Syndrome. People with Down Syndrome are prone to heart defects and some forms of blood cancer. The hope is that Down Syndrome leukemia patients might have stem cells taken from their own cells cultured and modified; then they could receive a transplant from these stem cells—minus the extra chromosome—to treat the cancer.



BIOLOGY

## INTESTINAL FORTITUDE

particularly Irritable Bowel Syndrome (IBS). IBS is characterized by episodic abdominal pain and alterations in bowel pattern that affect 10-15% of adults-more often women-in industrialized nations. The cause and treatment of IBS are complex problems that Heitkemper and Jarrett systematically address in their research at the UW School of Nursing. Together with their team including Drs. Kevin Cain and Robert Burr, and others they have succeeded in identifying factors that trigger symptoms such as sleep quality, inflammation and stress, and developing treatment approaches. In a recent NIH-funded clinical trial they tested the efficacy of a nurse-administered symptom management program to treat IBS without the use of medications. The 8-week treatment program showed positive outcomes when measured up to 12 months post intervention. Current research focuses on how the nervous system may interact with environmental and genetic factors as women experience the symptoms of IBS. Women with a medical diagnosis of IBS can participate in this research project that continues through December 2013. For more information about IBS research see www.uwibs.org.

or over 20 years Drs. Margaret Heitkemper and Monica Jarrett have collaborated on research relating to gastrointestinal distress,

CARDIOLOGY

## IMPLANTED FASTER

ixty minutes was all it took for Jordan Prutkin, a UW cardiologist, to implant a new, improved kind of defibrillator in Merle Yoney's chest. At age 78 this was Yoney's fourth implanted defibrillator following years of heart problems. The defibrillator

detects heartbeat problems and delivers an electrical shock that returns the heart to normal rhythm. Certain risks associated with traditional defibrillators have been eliminated with the new device, including the risk of a collapsed lung or heart perforation. This new device is not inserted into a heart vessel like most defibrillators. Instead, the wires are implanted at the bottom of the rib cage and breastbone. Because the wire is outside of the chest wall and just under the skin, there is less risk of infection. While the device is an improvement over traditional internal defibrillators, it is not appropriate for everyone. It cannot be used for patients who have a pacemaker. UW Medicine was first on the West Coast to use the device because Prutkin and Kristen Patton, another UW cardiologist, implanted the device two years ago during the clinical trial that led to FDA approval. Gust Bardy, a UW clinical professor of medicine, helped found the company that made the device.



## 6. HEAD INJURY

## Cool brain prevents seizures

A UW research team that led a multi-institutional research team found that mild cooling of the brain after a head injury prevents the later development of epileptic seizures in rats. A clinical trial is the next step in verifying the findings in humans. Traumatic head injury is the leading cause of acquired epilepsy in young adults. > www.bit.ly/TzOODd

## 7. ENERGY

## Making diesel from gas waste

The U.S. Department of Energy recently awarded \$4 million to a group led by the UW to develop bacteria that can turn the methane in natural gas into diesel fuel for transportation. UW engineers will work with government and industry partners to target natural gas associated with oil fields that is often flared off as waste. > www.bit.ly/Vlzma6

## 8. OLFACTORY

## Moth noses may tell tale

Moths are able to enjoy a pollinator's buffet of flowers—in spite of being among the insect world's picky eaters—because of two distinct "channels" in their brains, scientists at the UW and the University of Arizona have discovered. A better understanding of the moth's brain-based ability to smell and learn might reveal more about how human noses and brains process odor. > www.bit.ly/Xs7ZXR

## 9. PRECIPITATION

## Rainy home-field advantage

The Seattle Seahawks win four times as many home games as they lose when the weather is inclement, according to UW meteorologist Nick Bond. The team's record for home games during the past decade is 17-4 with precipitation compared to 42-25 without. > www.bit.ly/10VR6ph

## 10. OCEANOGRAPHY

## Millions awarded for microbe study

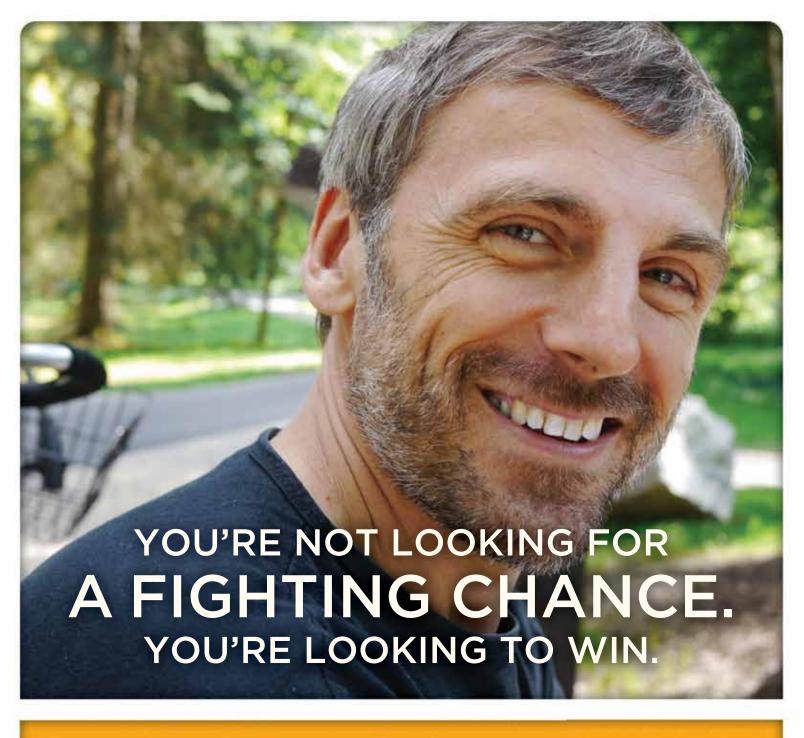
The Gordon and Betty Moore Foundation has given UW oceanographer Virginia (Ginger) Armbrust a multi-million dollar award for research to reveal the diversity of microbes in the ocean and to understand their role in regulating ocean environments and the atmosphere. > www.bit.ly/VDqRh8

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The difference between fighting cancer and beating cancer can come down to where you're treated. At Seattle Cancer Care Alliance, we unite doctors who are experts in specific cancer types from Fred Hutchinson Cancer Research Center, UW Medicine and Seattle Children's. And patients treated by SCCA have higher 5-year survival rates for almost every cancer type. Learn more at SeattleCCA.org/survival. Or call us at 800-804-8824 today.

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## **Bookshelf**

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## **Narwhals**

### BY TODD MCLEISH

Among all the large whales on Earth, the most unusual and least studied is the narwhal. McLeish travels high above the Arctic circle to meet researchers studying the narwhal's life cycle and the mysteries of its tusk, Inuit storytellers and hunters, along with walruses, polar bears, bowhead and beluga whales, ivory gulls and seals.



## **Roots and Reflections**

## BY AMY BHATT AND NALINI IYER

This book, co-published with the South Asian Oral History Project and the UW Libraries, shows how South Asian immigrant experiences were shaped by the Pacific Northwest and how they differed over time and across generations. The authors include stories of immigrants from India, Pakistan, Bangladesh and Sri Lanka.



## Free Boy

### BY LORRAINE MCCONAGHY AND JUDY BENTLEY

Free Boy is the story of a 13-year-old slave who escaped from Washington Territory to freedom in Canada on the West's underground railroad. Written with young adults in mind, the authors explore issues of race, slavery, treason, and secession in Washington Territory. This is a fascinating story for readers of all ages.



## ≈ SELECTIONS FROM UW AUTHORS ≪

Death of a Policeman; Birth of a Baby THOMAS FELDER DORN, '58

Beyond Secularism and Jihad? PETER D. BEAULIEU, '67, '75

Seattle's Floating Homes ERIN FEENY

Jewelers of Men: The Art of Spiritual Healing WILLIAM PRESTON GREEN, '82

Balkan Smoke, Tobacco and the Making of Modern Bulgaria MARY C. NEUBERGER, '93, '97

If It's Not One Thing, It's Your Mother JULIA SWEENEY, '82

Transcending Blackness RALINA L. JOSEPH

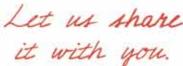
Unleashing Colter's Hell SEAN SMITH, '89

## > BOOK CLUB WITH NANCY PEARL ◆



UNIVERSITY BOOK STORE has teamed with Seattle book maven NANCY PEARL for a monthly discussion of novels from her Book Lust Rediscoveries series. Join her at 6:30 p.m. on the second Friday of each month at the U District store. http://bit.ly/Zs1lwh





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## The Hub

A TALE OF TWO CITIES



Paul Markham, Ph.D., above, is the new director of Community-Based Learning and Research (CBLR) at UW Bothell. Markham will oversee efforts to incorporate community learning and engagement activities as

The UW Bothell School of Business has given its 2013 Icons of Retail Award to Kemper Freeman, Jr., '63, CEO and Principal Owner of Kemper Development Company. Freeman is the central force behind the growth of downtown Bellevue.

The UW Board of Regents approved UW Bothell's School of Science, Technology, Engineering, and Mathematics (STEM), UW Bothell's third school. The School of STEM consolidates the Computing and Software Systems Program and the Science and Technology Program, and will reside in the Science and Academic Building due for completion in 2014.



The final designs for the UW Tacoma section of the new Prairie Line Trail, above, have been unveiled. The trail will redevelop an unused railroad spur that runs through the heart of the campus into an active, open space for the community. The city plans to eventually continue the trail to the waterfront. Construction is expected to begin this spring. Cedric Howard, UW Tacoma's vice chancellor for Student and Enrollment Services, was presented with Weyerhaeuser's 2012 Living the Dream Award for his work in the Tacoma community.

**UW Tacoma and the YMCA** of Pierce and Kitsap Counties are collaborating to build a full-service YMCA located on the UW Tacoma campus. The new facility will serve UW Tacoma students, faculty and staff, as well as all YMCA members.

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## ■ Paws-On Science: Husky Weekend at

## Pacific Science Center

Huskies of all ages are invited to join UW scientists and researchers for fun interactive activities and exhibits. From building a racecar to controlling underwater robots, Paws-on Science offers something for the whole family. UW students, faculty, staff, alumni and their guests will enjoy a 20% discount on general exhibit admission. nacificsciencecenter.org/ Research-Weekends/paws-onscience

## **■** HuskyFest

## April 19

With live music, giveaways, showcases from across campus and more, our second annual HuskyFest—a campus-wide event celebrating the UW-will have Red Square hopping. The day's festivities will include exclusive live performances as part of KEXP's Hood-to-Hood concert uw.edu/huskyfest

## **■ KEXP Radio**

## March 13-16

Join KEXP during the 2013 SXSW Music Festival in Austin as it broadcasts live from Mellow Johnny's Bike Shop, Go to KEXP, org to enjoy live performances from each day of the festival, including video, streaming audio and photos.

## Support KEXP

Spring is an important time of year for the KEXP community and we're looking forward to welcoming more than 3,000 listeners to make financial gifts during the Spring Fundraising Drive. Join your fellow musicloving Huskies and make a gift at KEXP.org.

## **■ EOP Celebration**

## Mav 16

The Office of Minority Affairs & Diversity invites friends of the Educational Opportunity Program to its annual celebration at the HUB. 5:30 p.m. reception; 6:30 p.m. dinner. Cost: \$125. To register, contact Roxanne Christian at 206-221-0680 or rchristi@uw.edu

## ■ Grad School **Public Lectures**

Join us for the remaining events in the 2012-13 Graduate School Public Lecture Series. March 6-Ron Eglash May 7—Dolores Hayden May 14—Anne Whiston Spirn May 15—Colin Phillips Learn more: grad.washington. edu/lectures/

### **■** ArtsUW

## Henry Art Gallery

## March 2-July 7

Out of Fashion Photography: **Embracing Beauty investigates** the transformative experience of the photograph. It explores historical perceptions of beauty and desire through artistic and ethnographic imagery and the role individual photographers play in constructing ways of seeing.

### Drama

### March 16

Ioin the School of Drama at the Floyd and Delores Jones Playhouse for the third Celebration & Benefit, featuring everything from a live performance to a live auction. Enjoy an evening of food, fun and fundraising to help young artists transform the world before our eyes.

## Music

## May 8

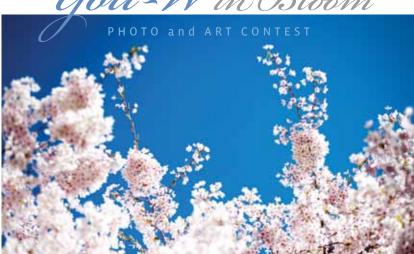
Internationally acclaimed pianist Jon Kimura Parker will be featured as part of the President's Piano Series. His Meany Hall program includes his own exciting transcription of Stravinsky's Rite of Spring. This event is part of an ongoing celebration at UW to celebrate the 100th anniversary of the premiere of Rite of Spring.

## Dance

## May 16-19

Join us for this creative adventure as Dance MFA candidates join forces with Drama Design Programs to produce unique work for the annual MFA Concert. Both graduate and undergraduate students perform in this final concert of the season.

## You-Win Bloom



## CAPTURE THE UW'S ICONIC CHERRY BLOSSOMS THROUGH YOUR EYES— AND LENS-FOR A CHANCE TO WIN A ONE-OF-A-KIND PRIZE.

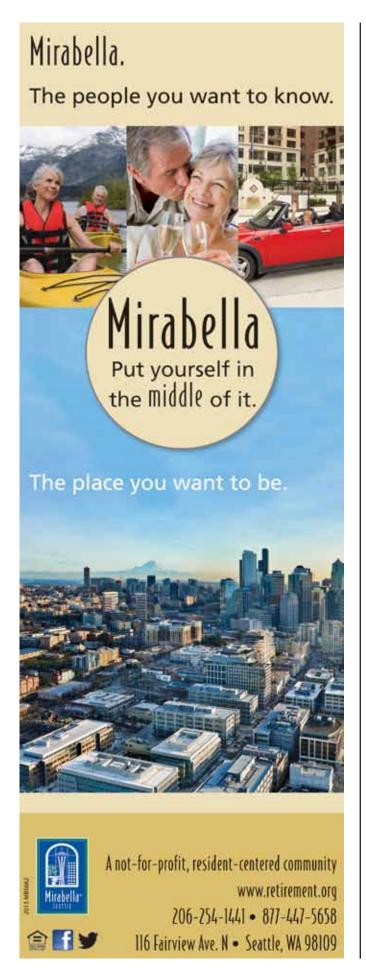
We want to see the cherry blossoms from your perspective. Submit your artwork or photos to our Facebook contest in any of the following five categories: landscape, Husky spirit, vintage, abstract or Instagram. Contest runs March 8-18. For more details and to enter, visit facebook,com/uofwa.



## Grays Harbor Time Machine

## *In early 2012*,

members of the UW Libraries staff and Grays Harbor County residents gathered in Hoquiam's 7th Street Theatre to take a trip back in time. The grainy clips of 1920s Grays Harbor County included highlights of a semi-pro baseball team, a parade and footage of a shipwreck. "This was their home movie," said Joyce Agee, associate director of development for UW Libraries. The clips found a home on the UW Special Collections website, the culmination of an eight-year effort. The newsreel footage, which was shown before feature films, was available to the public for the first time in nearly 90 years. But Hannah Palin, film archives specialist with Libraries Special Collections, felt the footage deserved a wider audience. "There's so much vitality in this small town and the community events that we don't really do anymore," Palin said. The footage became the heart of "Grays Harbor Happenings," a documentary that will premiere on March 9 in Hoquiam. She teamed with Agee, Libraries Visual Materials Curator Nicolette Bromberg and UWTV's Ann Coppel to spearhead the half-hour movie. "We're learning something about a community's life and what that meant," Coppel said.—Matt Wastradowski



OPEN FOR BUSINESS | March 2013

## MEDICAL ROBOT RAVEN HELPS DOCTORS INNOVATE

**SURGICAL ROBOTS** have rapidly spread throughout hospitals worldwide. The technology enables surgeons to perform minimally invasive procedures with smaller incisions, resulting in fewer complications and quicker healing. The downside is the leading unit for sale today costs \$1.8 million, its hardware can't be modified and new software



programs can't be applied. All of these facts are frustrating for researchers who are clamoring for an affordable alternative.

A new start-up spinning out technology developed at the UW has the solution. Blake Hannaford, UW professor of electrical engineering, and Jacob Rosen at the University of California, Santa Cruz, developed the Raven, a surgical robot that is controlled by open-source software, meaning it can be adapted for many purposes in the laboratory. It fits on a desktop and is relatively affordable at \$300,000.

Working with the UW's Center for Commercialization, the new company (unofficial name: "Applied Dexterity Inc.") has been formed to manufacture the units. The company has moved into the UW's start-up incubator, the New Ventures Facility, in Fluke Hall. Within the year a manufacturing facility will be set up in the Seattle area.

For help accessing UW faculty expertise and programs, call Joanna Glickler, assistant vice president, Corporate and Foundation Relations, at 206-685-6736.

## **UW FAST TRACKS START-UPS**

**SINCE JULY,** the UW Center for Commercialization has ushered eight start-up companies into being based on research and innovations developed at the UW. Seven are based in the Seattle area. The UW is on track to make good, almost two years ahead of schedule, on President Michael Young's declared goal in February 2012 of doubling the number of start-ups spinning out of the university over the next three years. From an average of eight to 10 start-ups in the past five years, there are 16 to 20 start-ups set for this fiscal year alone. The W Fund is participating in the Washington Small Business Credit Initiative, administered by Washington Department of Commerce, to improve access to capital for small businesses.

For more information about the W Fund go to: http://www.thewfund.com. Learn more about new companies spinning out of UW technology and innovations: http://www.uwc4c.com.

UW IOI

- → More than 75 percent of UW undergraduate students hail from Washington state.
- Approximately 30 percent of incoming UW freshmen are the first in their family to attend college.
- Approximately 30 percent of UW undergraduates pay no tuition and fees through the Husky Promise program.

**HUSKIES NEAR AND FAR** 

## UW leads global disease study

**FOR CENTURIES,** human beings died from lack of food and infectious disease. These were the global killers. Not true any longer, according to a huge collaborative study led by the Institute for Health Metrics and Evaluation at the UW, involving 486 authors and 300 institutions.

The study reveals massive shifts in health trends around the world since 1990, the starting point of the first Global Burden of Disease study. Since that time, the world has grown considerably older. Where infectious disease and childhood illnesses related to malnutrition were once the primary causes of death, now children in many parts of the world—outside of sub-Saharan Africa—are more likely to live into an unhealthy adulthood and suffer from eating too much food rather than too little.

Fewer children are dying, but there has been a stunning 44 percent increase in the number of deaths among adults aged 15 to 49 between 1970 and 2010 caused by increases in violence and HIV/AIDS, which kills 1.5 million people annually.

Lastly, health burden is increasingly defined by what's making people sicker rather than what's killing them. Now, mostly chronic diseases and injuries such as musculoskeletal disorders, mental health conditions and injuries cause the disease burden for humanity. While the world has done a tremendous job battling fatal illnesses, more of us are facing health problems that cause pain, impair our mobility and prevent us from seeing, hearing and thinking clearly.

For more information about the study go to: www.healthmetricsandevaluation.org/gbd



## STUDENT PROFILE

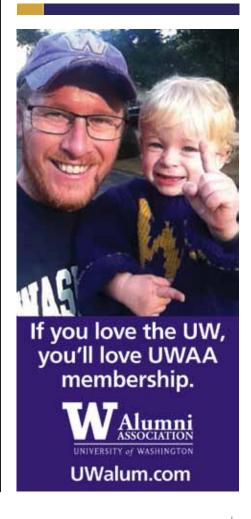
**ERICA CHAVEZ SANTOS**, a junior in biology at the UW, has found the saying is really true: "There's a place for everyone at the UW." Santos hails from Pateros, a tiny town in Okanogan County. Her parents have worked in agriculture and although unable to attend college themselves, have always supported her desire to pursue higher education.

The large, urban campus of the UW provided quite a contrast to Santos' hometown. She has excelled, however, because she has taken advantage of the many programs the UW offers to help students succeed and find their place among a community of confident and engaged learners and leaders. Santos has been a College Assistance Migrant Program (CAMP) Scholar. CAMP assists students from migrant and seasonal farm worker backgrounds in their first year of college with academic, personal and financial support. She also served as a CAMP mentor to help other students in a similar situation.

As an intern with UW's DO-IT program, Santos has helped high school students with disabilities prepare for college. She is also involved in programs affiliated with the Office of Minority Affairs and Diversity focused on STEM (science, technology, engineering and mathematics). End result? A student who is connected, engaged and part of a thriving community. Santos hopes to go on to medical school and would like to return to her hometown to provide equal opportunities for all people who need health care.



www.UWImpact.org



## Scholarship support helps UW junior reel in research from the deep

## SNAILFISH AREN'T EXACTLY THE DARLING OF THE DEEP OCEAN.

Long and pink, with a gelatinous coat that makes them more squishy than scaly, the females have a curious habit: they unceremoniously inject their eggs into the body cavity of Golden King crabs. UW junior Jennifer Gardner suspects it's a small quirk of nature that could have a large impact on Alaska's crab fishing industry.

For a month last summer, Jennifer trawled the waters off the Aleutian Islands studying snailfish aboard a research cruise with the National Oceanic and Atmospheric Administration (NOAA). Her job was to figure out which species of snailfish were leaving their unsolicited calling card.

"Whether the relationship between snailfish and crab is parasitic is still up for debate," says Jennifer, an Aquatic and Fishery Sciences major. "These fish are grossly under-studied, but my research determined the *Careproctus* genus of snailfish were the main culprits. What they are doing may impact Pacific fisheries."

Thinking about the bigger picture is what inspired two fellow fish enthusiasts—Georgiana Stanley and Robert William "Bill" Peterson, '77—to support Jennifer's passion. Like her, Bill was an out-of-state undergraduate. He excelled in UW business classes and quickly earned a job in the oil and gas industry. In his free time, Bill delighted in catch and release expeditions. And he developed an

Read two more Giving in Action stories on our website, giving.uw.edu:

- Private gift sparks a UW professor's research in Smart Grid technology
- A graduate student's study on climate refugees kickstarted with faculty support





#### The Burke Museum Fish Collection

Jennifer works at the Burke Museum's Fish Collection located at the UW's School of Aquatic and Fishery Sciences. The National Science Foundation and NOAA fund the project, along with an endowment from the late Dorothy T. Gilbert.

interest in sustainable fishing after witnessing the constant struggle of the heavily harvested Gulf of Mexico.

Recognizing hope in research, Bill founded a UW scholarship for fisheries students with Georgiana in 2011, the year before he was diagnosed with terminal cancer. Calling himself a proud Husky "papa" to their two scholarship students, Bill passed away in December 2012.

"When you don't have any kids of your own, you can spend money on yourself for exotic trips and that's fun," says Georgiana. "But Bill felt the scholarship was a way to give somebody we didn't even know a chance to make a difference with something he cared about."

Though they've never met, Jennifer shares the couple's soft spot for fish. As a kid, when her father would take her sailing on the Great Salt Lake in Utah, she felt drawn to what lived beneath the surface. The UW appealed because of its inroads in healthy oceans research, small class sizes and broad opportunities to work in marine labs.

One of those opportunities led Jennifer to the Burke Museum Fish Collection, a library of Northwest fish specimens. Since her freshman year, she's helped maintain the Collection's 145,000 jars of fish pickled for posterity, snailfish included. She relishes her job cataloging, labeling and looking after this peculiar collection of natural history. "It's fun because there are so many similar species to organize and I can study the differences in DNA."

Jennifer's work in the Fish Collection is an opportunity to gain expertise and is helping prepare her for a career solving marine mysteries, like the snailfish.

"After learning so much about snailfish and crabbing on the NOAA cruise, I want to become an observer on fishing boats and study bycatch—the extra species that nets accidentally drag up," she

says. "I want to go to graduate school for a PhD. I just feel grateful for people like Bill and Georgiana who support

ambitious nerds like me."

HILBKIER Georgiana Stanley and Bill Peterson

# FROM THE UW FOUNDATION CHAIR



Howard Behar

How can the UW Foundation help people pursue their interests?

Nearly everything that touches us as human beings, from the health of our planet to the health of our children, is connected to something that's happening here at the University of Washington. To pursue their interest in creating a more sustainable fishing industry, Bill Peterson, '77, and Georgiana Stanley turned to the UW, thousands of miles away from their Texas home. After learning about the UW's research on ocean sustainability, they decided to start a student scholarship in the College of the Environment and, in turn, developed relationships with undergrads who share their interest. I personally have found a way to channel my passion for education by engaging with the College of Education. One of my favorite experiences was seeing the terrific work at the College's Experimental Education Unit, which helps children with special needs. The work going on here at the UW is pretty amazing and getting involved with it can be hugely rewarding.

The UW Foundation advances the mission of the UW by securing private support for faculty, students and programs. To learn more about volunteer opportunities, email uwfdn@uw.edu or

call 206-685-1980.

## **Fostering Entrepreneurism**

Long-time supporters Artie and Sue Buerk will transform the UW with major gift

**ARTIE BUERK,** '58, once took a fledgling storage company from Olympia's Main Street all the way to New York's Wall Street. He revolutionized fundraising at the UW, leading it from meager beginnings to a philanthropic force. And now this savvy venture capitalist is using his talent for spotting, then nurturing great ideas to expand entrepreneurship at the Foster School of Business.

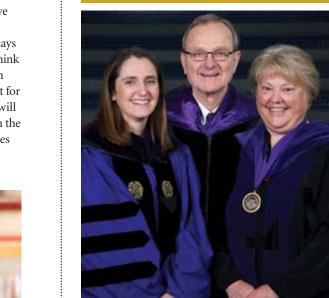
Artie and his wife, Sue, '74, have given \$5.2 million to help develop a new generation with entrepreneurial gumption. To recognize the transformative support, the Center for Innovation and Entrepreneurship will be renamed the Arthur W. Buerk Center for Entrepreneurship. Artie's hope is to give all 45,000 UW students an opportunity to discover their entrepreneurial DNA.

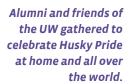
"Entrepreneurs don't just come from a business background—they come from

every discipline," says Artie, whose support of the Foster School spans two decades. "My goal is to rally students to do something innovative with the knowledge and passion they have. Success in my lifetime means entrepreneurism is synonymous with the culture of the UW."

The new Buerk Center will continue programs like the Business Plan Competition and the Environmental Innovation Challenge, while expanding its reach on campus and in the community.

"Alumni from the Foster School have founded thousands of companies in Washington and around the world," says Foster School Dean Jim Jiambalvo. "I think the potential Artie saw for creating even more companies and jobs was a catalyst for his investment. The Buerks' support will undoubtedly have a multiplier effect on the important contributions our graduates make throughout the Northwest."





#### **ABOUT THE BUERKS**

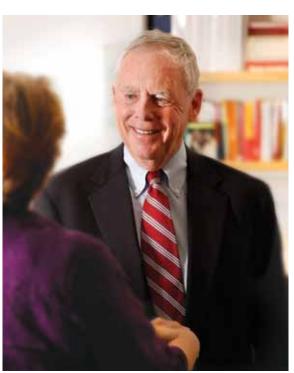
Arthur "Artie" W. Buerk, Jr., '58, Business Administration Charlene "Sue" M. Buerk, '74, Sociology and Education

#### THEIR GIFT

Boosts entrepreneurism at the Foster School of Business

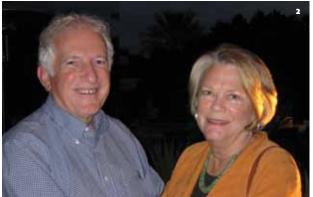
#### **WHY THEY GIVE**

"It's not just a gift of money. We are giving entrepreneurship the opportunity to be worldclass at the UW."



### Out and About

UW FOUNDATION

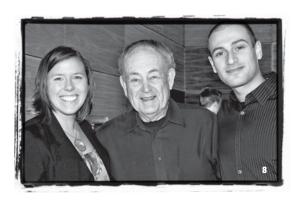












#### —1— KOREA HUSKIES:

Keunmo Lee, '89, and Min-Jung Kal, '02, '06, celebrated Husky Night with fellow South Korean alumni at the COEX Convention Center in Seoul.

-2- DESERT DAWGS: Ronald, '62,'67, and Karen, '65, Benveniste attended an Arizona Huskies lecture and reception featuring UW professor Richard Fenske.

#### —3— AWARDS SEASON:

Business and Economic Development Center (BEDC) Director Michael Verchot, '95, and Foster School Associate Dean **Stephan** Sefcik joined former interim Prime Minister of Libya Ali Tarhouni, and Thaddeus Spratlen at the BEDC's Minority Business of the Year Awards.

-4- NEW PROFESSOR: Michael Garvey, '61, '64, (center) and Law School Dean and James W. Mifflin Professor Kellye Testy

officially welcomed Kathryn Watts (left) as the new Garvey Schubert Barer Professor of Law.

—5— PHARMACY REMODEL: John Bracken and his sister Laura Bracken Clough join School of Pharmacy Dean **Thomas Baillie** at the ribbon-cutting ceremony at the newly remodeled L.D. & Jim Bracken Pharmacy Learning Center.

-6- FOSTER SCHOOL FÊTE: Isaac Nichols, '01, Shannon

Hernandez McIntyre, Rep. Phyllis  $\textbf{Gutierrez Kenney}, \textbf{Leticia Lucero}, \verb"97",$ and Rodolfo Hernandez McIntyre honored winners at the BEDC's Minority Business of the Year Awards.

—7— CULTURAL CENTER **CELEBRATION:** The Office of Minority Affairs and Diversity celebrated the grand opening of the renovated Samuel E. Kelly Ethnic Cultural Center, named in honor of the UW's first vice president for minority

affairs. Current Vice President for Minority Affairs and Vice Provost for Diversity Sheila Edwards Lange (center), '00, '06, welcomed Samuel's wife **Donna**, '79, and eldest son William

—8— SCHOLAR LUNCHEON: Claire Egtvedt, '59, (center) greeted Boeing fellow **Laura Vertatschitsch** and Egtvedt fellow **Alexei Czeskis** at the College of Engineering's Scholar Donor Luncheon.

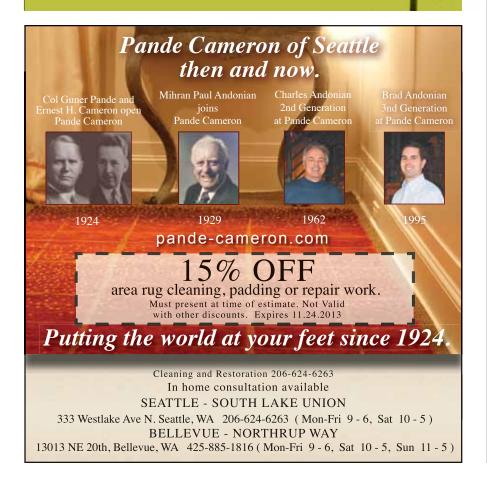
### **UWAA Homepage**

### **Volunteer for the new Husky Career Network**

Whether you're looking for your first job, considering a career change, or trying to make connections in a new city, a career search can be daunting. What better way to ease this process than by speaking with a fellow Husky who could offer professional guidance and potentially open some doors? As an alum you can share your professional experiences and knowledge with students and alumni alike. Provide insight about your industry, offer job-search tips, and give guidance to those just beginning or looking for new career endeavors. As a Husky Career Network volunteer, you will offer job-search advice and provide information about your industry, company, or geographic area area to students and alumni. Registering will take less than 10 minutes and then you will be listed in the online network of volunteers. Learn more and create a profile: UWalum.com/HCN

Mother's Day Brunch ▼ May 11

Join the UW Alumnae Board at the UW Club for the 2nd Annual Mother's Day Scholarship Brunch. KOMO anchor Michelle Esteban will host a distinguished panel including Stephanie Sarkesian and others, who will discuss the triumphs and tribulations of motherhood. The brunch will also feature a silent auction and drawings for prizes. 10:30 a.m.-12:30 p.m.; \$50 admission. Learn more: UWalum.com/events





### Where Dreams Come True

THINK MANY OF US were relieved and maybe even a little surprised when political leaders declared that finding a way to properly fund higher education was a top priority for this year's legislative session, which is still under way in Olympia. And that's even with a billion-dollar shortfall to wrestle with.

Was it the complaints about rising tuition? Do more people understand how the UW plays a role in our daily lives? Whatever the reason, it was reassuring to know that financing higher education deserves serious attention—and that the days of solving budget woes by cutting higher education may be over.

We can't keep going through the wrenching situation of facing budget cuts every single year. So many of us are grateful for the opportunity to attend the UW—I know I wouldn't be where I am without my experience here. We must get the word out that even still, an education at the UW is a bargain compared to many other public universities of similar stature.

Right now, there are so many exciting things going on, from the opening of the Samuel E. Kelly Ethnic Cultural Center, a home-away-from-home for students from underrepresented minority communities, to the heartwarming work of the Dream Project, in which UW students mentor high-school kids who might not have considered college through the complex and stressful application process. And don't forget that this August, Husky Stadium will reopen.

In short, the UW is a place where dreams come true. And only with your loyal support will it be able to keep giving opportunities to the citizens of our state who depend on the UW to make dreams come true.

—PATRICK CRUMB,'88

UWAA President, 2012-2013



### Alumni Tours -Discover the beautiful, unspoiled Dalmatian coast-

an extraordinary realm of walled cities and Roman relics. The journey begins in Croatia's historic capital Zagreb and winds along the coast of the Adriatic from beloved Dubrovnik to magical Venice. Along the way, the tour makes stops on the medieval island of Hvar, the seaside city of Split and the charming former resort town of Opatija. For more information, visit UWalum.com/tours.

### For Members

#### **BE AN ARTS DAWG**

The UWAA and ArtsUW have partnered to offer UWAA members an exciting opportunity to experience the arts as an insider. Members get discounted tickets and a free wine reception. artsuw.org/artsdawgs

#### MEMBER EVENT

UWAA Member Night—Adventures of Spot at the Seattle Children's Theatre
The UWAA has reserved the entire theater for one night of this production, based on the popular children's books by Eric Hill.

#### **REGIONAL EVENTS**

March 13—Meet D.C. Huskies over cocktails and hosted appetizers, followed by a lively conversation with journalist, publishing executive and presidential historian Robert Merry, '68. Merry will share anecdotes from his 40 years in Washington, illustrating how the presidency, Congress, and journalism have evolved.

May 16—Join NY Huskies for an exclusive tour of the redevelopment of the World Trade Center complex, the largest urban redevelopment project in the history of the U.S. This event will include remarks from Stephen O'Connor, Director of the Runstad Center for Real Estate Studies, and a networking reception.

To learn more about these and other upcoming opportunities see our online calendar of events.

uwalum.com/events





A W.B. Yeats quote greets soldiers as they enter the classroom of **Shawn Wong** at Joint Base Lewis-McChord on a frosty, fall morning: "Write about yourself when you are most like yourself." A UW professor since 1984, and former chair of the English Department and director of the Creative Writing Program, Wong has taught college students to become storytellers. Far from the UW campus, however, the quote holds new meaning. For many soldiers, voicing their experiences is literally lifesaving. • Wong is one of four instructors volunteering with the Red Badge Project, which



BY DEANNA DUFF

launched last August at Joint Base Lewis-McChord. A nonprofit in partnership with the military, the Red Badge Project teaches soldiers in the Warrior Transition Battalion to express themselves through photography, filmmaking and creative writing. This battalion is comprised of active-duty, Guard and Reserve soldiers diagnosed with post-traumatic stress disorder (PTSD) and other injuries. • "When you find out that more soldiers committed suicide than were killed in Afghanistan last year (2012), you feel you have to do something," Wong says. • The Red Badge Project was co-founded by movie star Tom Skerritt, an Air Force veteran. He also serves as one of the project¹s film instructors, along with screenwrit-

ers Brian McDonald and Warren Etheredge. Class is four hours daily for three weeks and participation is voluntary. Soldiers range in rank and are in their early 20s to mid-50s. Some are initially so withdrawn, they're unable to even make eye contact. Amazingly, the walls often come down as soon as the third day of instruction. Students become fully engaged, eagerly pouring their thoughts into composition notebooks. Coursework includes analyzing short stories, writing exercises and polishing compositions. There are no grades, but Wong still assigns homework. 
"In this classroom, I'm in charge. I outrank everybody!" jokes Wong, a statement contradicted by his students' affectionate and robust laughter. 
Considering the gravity of many discussions, humor is a constant balance. Skerritt is frequently enlisted to act in soldier-written scripts. "Any piece, no matter how serious, Tom always turns it into a comedy!" one student says, overcome with amusement. 
Wong looks forward to sharing the program with more UW colleagues. "Part of our job as a public institution is to do public scholarship and be in the community," he says. For soldiers who have sacrificed immensely serving their country, Wong is gratified to now serve them. "In my 28 years of teaching at the UW, this is one of the most rewarding and difficult teaching challenges I've ever faced."

### **Newsmakers**

ALUMNI ACCOMPLISHMENTS

- Noah Guzzo Purcell, '02, has been named Solicitor General for the Washington State Attorney's Office. Purcell, a Seattle native, earned bachelor's degrees in economics and philosophy from the UW and his law degree from Harvard. He clerked for former U.S. Supreme Court Justice David Souter.
- ❖ Judith Ramey was named the Frank & Julie Jungers Interim Dean of the UW College of Engineering. Ramey, professor and former chair of the Department of Human Centered Design and Engineering, replaces Matthew O'Donnell.
- Norm Dicks,'63,'68, retired after 36 years in Congress. The former Husky football player was the ranking Democrat on the House Appropriations Committee and was known as "Mr. Boeing" for being such a strong advocate for the aerospace company.
- The UW's Virtual Planetary Laboratory has received \$8 million from NASA to study the origin, evolution, distribution and future of life in the universe. That was part of \$40 million

- in five-year grants issued to five research teams.
- ❖ The UW joined Pacific Northwest National Laboratory to create the UWbased Northwest Institute for Advanced Computing. The new institute will draw from the UW departments of Computer Science & Engineering, Electrical Engineering and Applied Math.
- ❖ The UW is the 17th best value in public colleges, according to Kiplinger Personal Finance magazine's list of the 100 top values in public colleges.
- Researchers at the UW were able to construct a near-total genome sequence of a fetus using a blood sample from the mother and saliva from the father—a breakthrough that was ranked among the top 10 science stories of 2012, according to CNN. Sid Nelson, '68, was honored posthumously with the Washington State Pharmacy Association Distinguished Leadership Award. Nelson, dean of the School of Pharmacy from 1994 to 2008, died in December.
- \* A \$1.15 million gift from Delta Dental/Washington Dental Service will help pay for several new facul-



**Sally Jewell**, '78, CEO of REI for the past eight years, was selected by President Obama to serve as the Secretary of the Interior, succeeding Ken Salazar. If confirmed by the U.S. Senate, as expected, Jewell, who has also served on the UW Board of Regents, is the third UW alum to hold a cabinet post. Brock Adams was Secretary of Transportation under President Carter and Lewis Schwellenbach was Secretary of Labor under President Truman. Jewell, who has a degree in mechanical engineering from the UW, worked in energy and banking. She joined REI in 2000 as chief operating officer and been CEO since 2004. She has served on the Board of Regents since 2001. "I'm humbled," Jewell said, "and I'm energized by this opportunity."

ty and staff positions in the UW School of Dentistry and support the work of a curriculum renovation task force and a clinical systems task force.

- \* The Foster School
  of Business dedicated
  Dempsey Hall, which was
  named in honor of Neal
  Dempsey, '64, and his wife,
  Jan, to recognize a \$10 million gift and two decades
  of service the Dempseys
  have given to the school.
- \* The UW Dream Project, which matches nearly 600 undergraduate mentors with 1,800 high school students at 16 schools in King County, is one of the community partners that will receive funding from a \$40 million U.S. Department of Education grant over the next four years.
- \* Kathy Camacho Carr,
  '89, has been appointed
  by U.S. Secretary of Health
  & Human Services Kathleen Sebelius to serve on
  the advisory council that
  helps guide policy issues
  related to national health
  and nursing education.
  Carr is a professor of nurs-

ing and holds the Jean Bushman Endowed Chair at Seattle University.

- Renee Heffrom, '12, received a Young Investigator Award from the International AIDS Society for her research on hormonal contraception and HIV risk in Africa. She was one of five scientists under 35 years of age to win this award.
- Tom Fleming, professor of biostatistics and statistics, was elected to the Institute of Medicine.
- ❖ Ellen Kaisse, professor of linguistics, was elected president of the Linguistic Society of America.
- ❖ Devon Pena, professor of anthropology, was named the 2013 NACCS Scholar by the National Association for Chicana and Chicano Studies. Pena was chair of NACCS from 1989-1990 and from 2010-2011.
- ❖ Gerald R. Johnson, '76, '78, is the new senior policy and technical adviser at the U.S. Department of Energy. He will remain on staff at the Pacific Northwest National Laborato-

- ry in Richland and split his time between Richland and Washington, D.C.
- Academy Award-winning actress Helen Hunt will portray Mary-Claire King, professor of medical genetics and genome sciences, in a new film that documents King's discovery of the inherited breast cancer gene, BRCA1.



The UW announced the appointments of three deans. The School of Nursing selected Azita Emami, above, professor and dean of the College of Nursing at Seattle University; the College of Arts and Sciences tabbed Robert C. Stacey, professor of history and interim dean; and the Graduate School hired David Eaton, who had been associate vice provost for research and professor in the School of Public Health.



#### A LIFE OF SERVICE

Guillermo Castaneda, '67, '70, '81, '90, is one UW alum who has put his education to work in the service of others. Castaneda, of Granger, a small town in central Washington,

played a pivotal role in bringing the Supplemental Nutrition Program for Women, Infants and Children (WIC) to Washington state. Castaneda, the son of a Mexican immigrant coal miner, also says his master's in business administration from the UW allowed him to establish and manage health-care, home-building and ownership services for farm workers and other low-income families in Yakima, Toppenish, Kennewick, Wenatchee, Pasco and Moses Lake. "I couldn't have provided 40 years of fruitful service without my superior UW education," says Castaneda.



Once **Molly Wizenberg**, '05, determined that her proposed Ph.D. dissertation on France's social security system was mostly just "a good excuse to spend some time in France," her days in academia were numbered. The blog she started for fun in the year she spent finishing her M.A. in cultural anthropology, though, has propelled a career as an acclaimed food writer and owner of a bustling restaurant and, most recently, a cocktail bar. • When Orangette (http://orangette.blogspot.com/) launched in 2004, food blogs were a new phenomena. Showcasing a writing style

# Alumni Profile

BY PAUL FONTANA

that is smart and personal—not to mention the exquisite recipes—the site quickly distinguished itself. In its first year, Orangette was nominated for an award and several more, including a nod as Best Food Blog by *The Times* of London in 2009, have followed. And as she has become a more accomplished photographer, the site has also become beautiful to behold. The success of the Orangette lead to a column that ran for over three years in *Bon Appetit* magazine and the *New York Times* best-seller *A Homemade Life: Stories and Recipes from My Kitchen Table*, published in 2009 by Simon & Schuster, but it's most unlikely yield was a husband. An email from a reader in New York

prompted a correspondence that lead to the altar two years later. Not long after her husband Brandon moved to Seattle, the idea was hatched for a restaurant focused on Brooklyn-style wood-fired pizza. Delancey was born in August 2009 and has been a Ballard destination since. Fortunately, the crowds now have someplace to relax while waiting for a table; this past summer the couple introduced Essex in the space next door, which features craft cocktails made with in-house liqueurs, bitters and sodas. In the spare moments when she is not caring for her infant daughter or helping run the two businesses, Wizenberg is putting the finishing touches on a book about the challenges of newlyweds opening a first restaurant with a tiny budget during a recession along with "nightmare employee experiences" and other surprises. In part, the book will chronicle Wizenberg's transition from cooking for friends and herself to the stress and physicality of restaurant cooking. Just a few months after Delancey opened she retreated back to the intimacy of home cooking where she can focus on what she loves best: the simple, satisfying stuff. While her universe has been in a state of expansion the past few years, she has contracted in the kitchen. "I've had to learn," she notes, "how to coax flavor out of just a few ingredients."

### Class Notes

WHERE THEY ARE NOW

#### 1950

JERRY WHITE, '50, a retired major general in the U.S. Air Force, has been elected vice chairman of the board for Aerospace Education for the Air Force Association.

of Idaho and the Idaho National Laboratory, received an award at the International Conference on Engineering Education for his leadership in innovative research and scholarship.

#### 1970

DANIEL CHERKIN, '74, '78 and CLARISSA HSU, '93, '00, have received grant awards from the Patient-Centered Outcomes Research Institute. The two are associated with both the UW and Group Health Cooperative.

SHERWIN R. SHINN, '74, has received the American Dental Association's 2013 Humanitarian Award for his 22 years of providing oral health care to people in more than 20 countries.

LESLIE E. GRANT, '78, has been elected to lead the executive board of directors of the Organization for Safety, Asepsis and Prevention for the 2012-13 fiscal year.

**GLENN R. STREAM, '78, '82,** family physician in Spokane, has become board chair of the American Academy of Family Physicians.

#### 1980

RANDY DAHLGREN, '84, '87, professor and chair of the Department of Land, Air and Water Resources at UC Davis, received the Yandang Friendship Award from the city of Wenzhou, China, for his contributions in improving environmental quality.

**BRANDT L. SCHNEIDER, '86,** has been named dean of the Graduate School of Biomedical Sciences at Texas Tech University Health Sciences Center.

#### 1990

CINDY HUANG, '94, is now an associate with the law firm Helsell Fetterman. She has also assisted low-income families through the King County Bar Association's legal clinics.

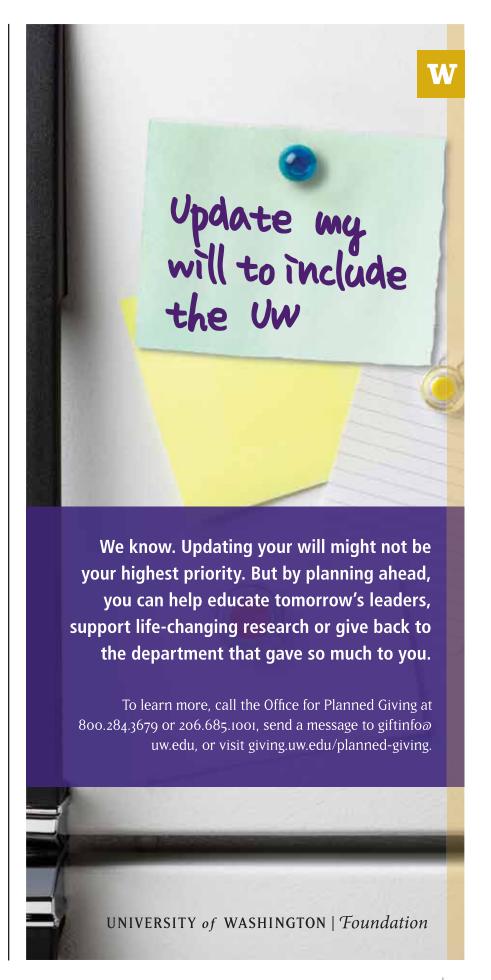
KATHLEEN MOLES, '95, has been named interim executive director of the Museum of Northwest Art in La Conner, Wash.

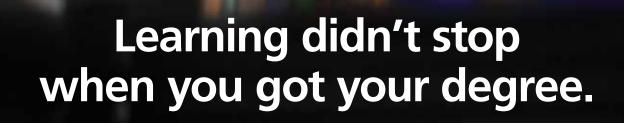
#### 2000

TARYN KAMA, '02, was honored at the UW Women's Center's gala: Women of Courage: Braving New Horizons. She started a company to foster women's involvement in the outdoors.

TEMA MILSTEIN, '07, received a 2012 Fulbright Award to New Zealand. She is a professor at the University of New Mexico.

Read more online: uwalum.com/columns Send your class notes to columns@uw.edu







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### In Memory

#### **ALUMNI**

RICHARD DEXTER EGGE, '37, Langley, age 96, Oct. 4. • JAMES S. LONGMUIR, '37, Edmonds, age 97, Sept. 12. • MARGARET MORAN WOOD, '38, Vancouver, Wash., age 96, Oct. 5. • SHERMAN K. BURD, '40, Yakima, age 94, Dec. 10. • ESTHER JANE JOHNSON, '40, Seattle, age 97, Sept. 20.. HENRY E. SOIKE, '42, Hoquiam, age 91, Oct. 3. • ALICE KAZUE KAWAHARA, '43, Port Townsend, age 92, Sept. 11. • FRED A. ZONGKER, '43, Bothell, age 96, Oct. 23. • RICHARD VERNON JACKSON, '44, '47, age 97, Whidbey Island, Oct. 26. • ANNE FAIRFAX LYLE, '44, Seattle, age 90, Sept. 22. • ALF NORLUND, '44, Tacoma, age 90, Nov. 15. • HARRY BERRY, '45, '47, Fircrest, age 87, Feb. 4. • ROBERT KUNZ, '45, Seattle, age 88, Oct. 21. • DONALD O. WINGROVE, '46, Seattle, age 89, Sept. 26. • ADA WOODHOUSE HALLBERG, '47, Seattle, age 87, June 11. • EDWARD MALCOLM HAWES, '47, Seattle, age 88, Sept. 18. • GEORGE A. KNOWLES, '47, Shoreline, age 90, Oct. 1. • OMAR E. LOFGREN, '47, Woodland, Wash., age 87, Nov. 28. • EUGENE W. RICHARDS, '47, Mount Vernon, age 92, Sept. 26. • ROBERT C. THODE, '47, Seattle, age 90, Nov. 1. · HAROLD HARTY, '48, West Richland. • GEORGE HERROLD, '48, Seattle, age 92, Nov. 18. • JOYCE PETERSON ROLOFF, '48, '66, Edmonds, age 86, Nov. 28. • KATHLEEN MARIE SMITH, '48, Seattle, age 91, Sept. 23. • RITCHIE TILSON, '48, Mercer Island, age 93, Nov. 29. • RAYMOND E. BEYER, '49, Kirkland, age 90, Nov. 10. · ARNOLD E. ANDERSEN, '51, Seattle, age 91, Nov. 14. • ROBERT CLAYTON BELL, '50, Tacoma, age 90, Sept. 24. • EDWARD P. DONNELLY JR., '50, Seattle, age 93, Oct. 15. • SANDRA DOUGLAS, '50, Seattle, age 84, Oct. 5. • JERRY EERKES, '50, Kennewick, age 85. • MARCIA HAUG, '50, Indianola, Wash., age 83, Oct. 7. • CHARLEEN SEARLES HURLBUT, '50, Seattle, age 84, Oct. 7. • RICHARD KELLEHER, '50, '52, Seattle, age 84, Nov. 13. • DON N. JOHNSON, '51, Lake Forest Park, age 82, Nov. 8. • JOHN ELLIOT NIXON, '51, Anacortes, age 82, Nov. 22. • KEN BARR, '52, Bellevue, age 84, Sept. 14. • WARREN FULLINGTON, '52, '56, Olympia, age 82, Dec. 10. • THOMAS JEROME WETZEL, '52, Shoreline, age 88, Nov. 26. • BENJAMIN MAYERS, '53, Bellevue, age 82. • GEORGE JEFFERSON CARTER, '54, Seattle, age 83, Oct. 21. • MARILYN MCARTHUR, '54, Kent, Wash., age 82, Dec. 12. • CRAIG MCPHEE, '54, Coeur d'Alene, ID., age 93, Oct. 9. • JIM RICHSTAD, '54, Everett, age 80, Dec. 20. • MARY RUTH BARBEY ABBOTT, '55, Seattle, age 80, Nov. 14. • JANET KNIGHT BAKKE, '55, Seattle, age 79, Oct. 12. • WILLIAM KEITH JONES, '55, Seattle, age 82, Sept. 1. • BERNARD MORTON WAHLIN, '55, Bellevue, age 80, Sept. 28. • EARL ROBERT ANDERSON, '56, Seattle, age 77, Nov. 9. • MARY F. BRIDGE, '56, New York, N.Y., age 88, Oct. 1. •

ROBERT M. HALLBERG, '56, Seattle, age 89, Feb. 29, 2012. • THOMAS HUCHALA SR., '56, Burien, age 88, Sept. 23. • CHARLES A. BORMAN, '57, Kirkland, age 83, Sept. 16. • D. BOWEN KING, 57, Seattle, age 77, Aug. 5. • DAVID ROHRBAUGH, '57, '63, Seattle, age 76, Oct. 24. • SYLVIA RIPPLINGER DRISCOLL, '58, Seattle, age 89, Oct. 14. • GARY D. RIDDLE, '58, Chelan, age 76, Oct. 2. • DONALD E. WEBB, '58, Normandy Park, age 77, Dec. 27. • GERALDINE LEE BIRD, '59, Wilsonville, Ore., age 76, Sept. 29. • DANIEL O'LARAMIE CORTHELL, '59, Vashon Island, age 81, Sept. 11. • RONALD ELLSWORTH COX, '60, Seattle, age 78, Sept. 17. • ANN SWANSON STUDEBAKER, '60, Seattle, age 74, Sept. 28. · JOHN R. DAVIES, '61, Cashmere, age 82, Nov. 13. • STEPHEN. M. FRANCIS, '61, 66, Maui, Hawaii, age 79, June 9. · DONALD HATCH, '61, Monroe, Wash., age 76, Oct. 5. · JAMES F. BEMIS, '62, Bothell, age 88, Oct. 15. • ROBERT BOVEE, '63, Kenmore, age 81, Nov. 15. • ROSE MARIE crow, '63, Seattle, age 95, Oct. 3. • KAREN ROLSTAD, '63, Seattle, age 74, Nov. 11. • MARY vanvalkenberg, '63, age 89, Nov. 20. • KINGSLEY P. JONESON, '64, Des Moines, age 80, Wash. • AKIRA MORIGUCHI, '65, Seattle, age 73, Dec. 22. · JOHN H. MICHAELS, '66, Burien, age 68, Nov. 16. • LEONA WEEKS, '67, Kirkland, age 82, Sept. 16. • DARRELL LOCKLIN, '70, Seattle, age 78, Oct. 6. • susan gunderson, '74, Bellevue, age 61, Nov. 17. · JOHN STOCKMAN, '69, Sacramento, age 71, Nov. 22. • GREGORY ENGEL, '70, '74, Bellevue, age 64, Dec. 6. • ROBERT DIEHL, '71, Lynnwood, age 63, Nov. 24. • MARGARET L. MCANDREW, '71, Woodway, Wash., age 70, Nov. 5. • BRUCE HOUGH, '72, Seattle, age 61, March 26. · BARRY WOLF, '72, Hobart, Wash., age 66, Sept. 19. • PETER FINDEN, '73, Sequim, age 74. • ELIZABETH CLAY GARLICHS, '74, Seattle, age 89, Oct. 17. · SUSAN GUNDERSON, '74, Bellevue, age 61, Nov. 17. • STEPHEN C. SLATER, '74, Seattle, age 63, Oct. 6. • GORDON BRINDLEY, '75, Redmond, age 59, Nov. 13. • KATHLEEN ANN COURT, '75,

Renton, age 59, Nov. 17. • DOUGLAS NORMAN FRANZ, '75, Edmonds, age 63, Sept. 30. • RICHARD B. MCNEES SR., '75, Lake Forest Park, age 93, Sept. 30. • VIVIAN ROSE GEDALY-DUFF, '76, Portland, age 63, Sept. 6. • MARJORIE PUTNAM, '76, Bellevue, age 86, Dec. 7. • JOYCE KIYOKO кікисні, '77, Issaquah, age 58, Nov. 22. • DENNIS KEITH MILLER, '77, Seattle, age 60, Oct.2. • KARLA ESPINOSA, '79, '84, Lynnwood, age 56, Dec. 18. • NEIL E. ENEY JR., '80, Redmond, age 74, Oct. 27. • SCOTT A.W. JOHNSON, '80, Seattle, age 53, Oct. 20. • JENNIFER RUSSELL, '80, Seattle, age 61, Nov. 29. • CHRISTOPHER APPLEFORD, '81, Seattle, age 54, Oct. 17. • OLA ALEXANDER GARA, '82, Everett, age 77, Oct. 23. • ANTHONY TORLAI, '84, Renton, age 51, Nov. 26. • DOUGLAS WEDDINGTON BARNES, '86, Indian Wells, Calif., age 56, Oct. 19. · LAURIE POULSON, '86, Kirkland, age 56, May 18. • KATHLEEN MCCRORY, '87, Petaluma, Calif., age 64, Dec. 7. • PATRICIA **PETHICK**, '87, University Place, age 47, Sept. 30. • ROSEMARY KELLEN BOYLE, '91, '04, Seattle, age 51, Oct. 26. • GUIDO TROMBETTA JR., '94, Lynnwood, age 71, Nov. 30.

#### FACULTY AND FRIENDS

DAVID BODANSKY, who was a member of the Physics faculty for more than 50 years and who chaired the department from 1976 to 1984, died in Seattle Dec. 3 at the age of 88. In his 80s he wrote a highly praised book about nuclear power. • ROBERT M. BLUMENTHAL began teaching at the UW Mathematics department in 1956 and retired in 1997. He was an avid mountain climber who also taught skiing at Steven's Pass. His family said he was a lovely human being. He was 81 when he died Nov. 8. • BETTY FLETCHER, '56 was the first woman to make partner at a major Pacific



# WILLIAM A. HELSELL 1924-2012

WILLIAM HELSELL, '50, a Seattle trial lawyer who served on the UW Futures Committee and was considered one of the best litigators in state history, died Dec. 20. He was 88. • Helsell, who practiced law in Seattle for 43 years, was a passionate supporter of the UW. He cared deeply about his profession, his community and for UW students. Bill Gates Sr., '49, '50, a classmate of Helsell's at

UW Law School, said that he had a wonderful sense of humor, and a knack for saying something funny and putting people at ease. "I'm very glad I knew Bill," he said. "He was a positive person in my life." • Helsell began college at Princeton but left to become a U.S. Navy pilot. After active service he was in the Naval Reserve and returned to active duty during the Korean War and the Cuban Missile Crisis. He practiced law at Helsell Fetterman, Inc.—Julie Garner



# BETTY FLETCHER 1923-2012

**BETTY FLETCHER**,'56, was listening to oral arguments at the Ninth U.S. Circuit Court of Appeals five days before she died on Oct. 22, at the age of 89. President Jimmy Carter appointed Fletcher to the bench in 1979 and she never retired. Judge Fletcher, who graduated from UW Law School in 1956, was an indefatigable jurist who championed the constitution and affirmative action. The fact

that she faced and overcame discrimination at almost every point in her legal career helped shape her perspective. She was one of the first female partners at a major law firm and just the second woman appointed to the Ninth U.S. Circuit Court bench. Jenny Durkan, '85, U.S. Attorney for the Western region of Washington state, told the Los Angeles Times: "When I was growing up there were not very many women lawyers in the community. [Betty] was one of the first and most accomplished—and a real inspiration to me."—*Julie Garner* 

Northwest Law Firm. She served on the 9th U.S. Circuit Court of Appeals for more than 30 years and upheld values of tolerance and respect for human and natural diversity. • JEFFREY LEO CHAPMAN, who died Nov. 6 in Edmonds, worked for the UW for 23 years, most recently in the UW Medical Center Copy Center. He took pride in providing excellent customer service. He was 58. • win-IFRED CHINN, widow of deceased UW regent Ark Chin, died Nov. 7 at age 87. She and her husband were strong supporters of higher education especially UW scholarships. She traveled all over the world and practiced exquisite Chinese calligraphy. • JOHN B. "WHITEY" **CORE**, played Husky football both offense and defense. He served as a defensive coach under head coach Jim Owens. He died Sept. 8 at age 78. • JURI EENMAA, '72 earned his doctorate at the UW and then headed the team to install the cyclotron for medical radiation treatments. He was an associate professor who taught physics to oncology residents. He died Sept. 27 at age 72. • NADA ESTES served on the UW School of Nursing faculty from 1962 to 1992. She was known the world over for her pioneering work educating nurses about alcoholism and drug addiction. She was a good friend, loved her book groups and liked to bake desserts. She died Oct. 19 at age 82. • JUDITH OLJAR FROLICH, '61, a former Kirkland City Council woman who fought to preserve the city's waterfront, died Nov. 30 at the age of 72. She helped to establish Moss Bay Days. • ROBERT GOODKIN, a respected neurosurgeon and UW professor emeritus of neurological surgery, died Oct. 15. He was 73. • JEAN LANHAM HAIGH volunteered for 15 years at the UW Arboretum. One of her proudest legacies was the Saplings Program, which helped local youngsters discover their city's "backyard." She died Sept. 23 at age 89. • MAU-REEN McGRATH HENDERSON, a world-famous

epidemiologist and expert on cancer prevention, died in Seattle Dec. 4 at age 86. A native of Great Britain, he received the Order of the British Empire. • RUSS HEWITT, '38, who played Husky football and served his country as a Marine parachutist officer in WW II, died Dec. 16 at the age of 98. Hewitt fought at Guadalcanal and Iwo Jima. He held four seats on the Husky 50-yard line for more than 50 years. • LOIS PHILLIPS HUDSON, UW faculty emeritus, was a much beloved writing teacher of many, including David Guterson, '78. She died Dec. 24, 2010. • ROBERT LEVENTHAL, who served as dean of the UW Business School from 1989 to 1994 and who was CEO of Western Union and other companies, died at age 85. He was at the forefront of management education. • KEN MACDONALD, represented UW employees who refused to sign a loyalty oath in the 1950s. He also helped found the local chapter of the ACLU. • HARRIS MCLASKEY, '56, '70, worked for 20 years at the Washington State Library and focused on providing library services to prisons and psychiatric hospitals. He

died Sept. 21 at age 81. • GLENN PATCHEN was a former clinical associate professor in obstetrics and gynecology. He delivered more than 5,000 babies. He died Nov. 5 at the age of 77. • MAURICE RATTRAY, JR. a retired professor emeritus of Oceanography who served two terms as department chairperson from 1968 to 1978, died in San Francisco at age 90. He was known the world over for his studies of currents in Puget Sound. • MAUREEN RHEA worked in the Evans School of Public Affairs for many years. Friends and family said she had a vivacious spirit. She died Oct. 20 at age 58. • GUNNAR RODEN was a research professor emeritus of Oceanography at the UW. He was a loving husband and wonderful father. He died Dec. 27 at the age of 84. • DARRELL ROYAL, former UW football coach in 1956, died in Austin, Tex. at age 88. He was known for his "wishbone" offense and for winning two national championships. • GILBERT SAX was a professor of educational psychology at UW and was department chair from 1981 to 1986. Came to UW in 1966 and served as the educational psychology department chair from 1981 to 1986. • GEROLD SCHUBIGER joined the Department of Zoology (later Biology) in 1972 and taught until 2010. He died Nov. 10 at age 76. • SHELBY SCATES, '54, a longtime reporter, columnist for the Seattle Post-Intelligencer and pre-eminent political journalist, died Jan. 3 at the age of 81. • WILLIAM STOEBUCK, '59, was a law professor at the UW from 1967 until he retired in 2007. He loved teaching, the law and sailing. He was 83. • CALVIN UOMOTO, '71, '80, was devoted to serving underprivileged youth, the poor, the economically disadvantaged, prisoners and refugees. He died Oct. 26 at the age of 63. • ROBERT T. WOODWORTH, associate professor emeritus of the Foster School of Business, liked to travel, collect new gadgets and enjoy Whidbey Island. He died Oct. 18 at age 82.



# WARREN GUNTHEROTH 1927-2012

WARREN GUNTHEROTH was a giant in the field of medicine who came from humble roots. Born in his grandmother's house in Hominy, Okla., he was the son of an oil-field worker. After attending Harvard Medical School on scholarship, he joined the UW School of Medicine faculty in 1957, founded the Department of Pediatric Cardiology and wrote the first medical textbook on Sud-

den Infant Death Syndrome. • Guntheroth also wrote more personal books. He wrote *Paradise Found and Lost* about his first marriage of 52 years. An inveterate climber who loved hiking the Cascades, he published a book about his Husky and their adventures called *Climbing With Sasha*. He was very fond of his dogs. • On Sept. 17, Guntheroth suffered a heart attack at his office at UW Medical Center. Like the passionate teacher he was, Guntheroth was giving directions to ER staff up to the end. He was 85.—*Julie Garner* 

# **Lake Life**

BY BONNIE NELSON POWELL

They were complete dumps. Old houses were nailed to giant logs and towed to the water. Houses were roped to low pilings situated every three to four feet on both sides of rickety, teetering and creaking docks with missing cross boards.

Planks of wood bridged the gap between the dirt paths leading from the streets to the docks floating on the water. A minor earth-quake once knocked some of these planks into the water and residents had to wade through long grass and mud to replace them. Visitors in wheelchairs had to be carried to the houseboats because of the uneven and slippery surfaces. Boat horns, screaming seagulls and distant lonely train whistles echoed off the water.

The area smelled of rotting wood, gas from the stoves and boats, and "a lake smell" comprised of water, plants and unknowns. Sometimes toilets opened directly into the water below the house floor—a water outhouse. And no one ever swam in the lake.

While in school, I lived with Pat Swanson Jorgenson in a houseboat on Lake Union. Our houseboat was located three blocks west from Eastmount Street, where we could park a car or catch a bus to campus. Our "luxury" houseboat—which had three bedrooms, an enclosed toilet and bathroom, and a combined kitchen/living room—floated on cedar logs at the end of the dock. There was a large window overlooking the lake. We could open the window and people could step from their boats into the living rooms. The large wall surrounding this window had been painted white, but everyone who entered this room had to continue drawing the spider web that now covered the wall. Black felt-tip permanent makers waited on the window sill. The ceiling was stapled with prints Pat found in Europe of sexually oriented drawings by famous artists.

This was the place where college students earning their living as musicians came to unwind after weekend gigs. Often they jammed with each other playing the music here they wanted to play—blues, jazz, classical and their own improvisations. They were not restricted to playing the popular rock or dance music – no continuous renditions of "Louie, Louie."

Several students who worked at the North Lake Tavern joined the group and always brought leftover spaghetti and the tavern's super pizzas. Everyone brought beer—usually Olympia or Rainier. Unfortunately, we were all going to change the world but had not considered our environment. The beer we consumed was in bottles, not cans, and the large living room window was the waste bucket for dozens of empty bottles that floated in the water in long lines and finally sunk. I remember that sight with remorse.

Music and singing floated from the house-boat. No one minded the noise because everyone on the dock came to see and hear the "professionals." The musicians played until daylight when tiredness began to creep over everyone. People fell asleep on beanbag chairs and couches or left to visit Red Robin for a breakfast hamburger.

Red Robin at this time was a beat-up tavern located at the end of the University Bridge, famous for its great hamburgers served at all hours. Its windows overlooked the canal and you could watch the boat traffic as you ate your hamburger.

During the early morning dawn, the lake was filled with unusual birds. In three hours, they disappeared, leaving the birds that always swam on Seattle waters—mallards, coots and seagulls. To identify these birds, I retrieved my grandmother's bird book, *A Field Guide to Western Birds* by Roger Tory Peterson.

My visitors and I were pleased to recognize canvas-back ducks, "scooped billed" shovel-



lers, tiny buffleheads, and the only completely black duck, the American scoter that resembled Daffy Duck. Stately long-throated grebes dove for food, and once a brightly colored wood duck stopped for a visit. We saw loons with diamond necklaces and the pudgy-faced lesser scaups. As spring approached, we watched the mallards make nests on the tops of the pilings and then we saw the many little ducklings hatch. Few survived the first few days, but everyone attempted to protect them from cats, rats and birds of prey.

Living on a houseboat was a way of life that brought about a great deal of companionship, sharing and good humor. Students studied together and played music together, had potluck meals and vicious Monopoly games. Everyone helped each other to fix anything. If someone fell in the lake, he or she was helped out and thrown into the shower. Houseboats were the first giant waterbeds. The sounds and smells of the lake and the rolling rooms could eliminate worries and lull you to sleep.

—Bonnie Nelson Powell graduated from the University of Washington with a B.A. in art education in 1963. She currently lives in Leavenworth, Wash.





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