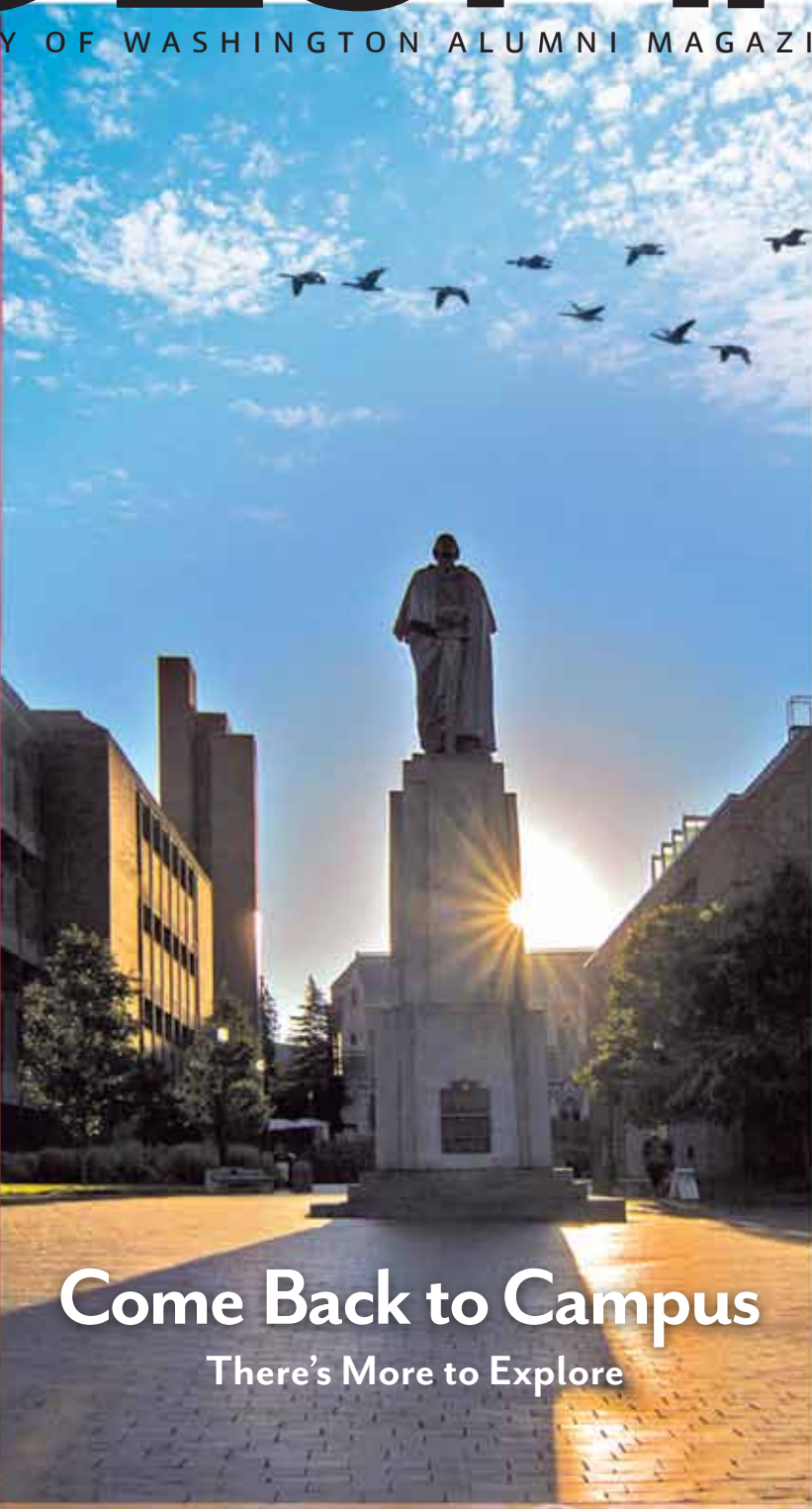


COLUMNS

THE UNIVERSITY OF WASHINGTON ALUMNI MAGAZINE SEPT 16



Come Back to Campus
There's More to Explore

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NOURISH

IN A WORLD GONE MAD WITH TERRORIST ATTACKS, mass shootings, racial profiling, police assassinations and baffling presidential election rhetoric, thank goodness there's an oasis of sanity in the University District that will renew your faith in humankind. At least it does for me.

I'm referring to the new University District Food Bank. Oh, the food bank isn't new; it has been around for more than three decades. And somehow, it has survived collapsing economies and booming housing costs that caused an explosion in the numbers of people in need.

Sitting on the site of a former used car lot next to the public library, the food bank is now able to serve even more than the thousands of people who have lined up every weekday afternoon along the sloping sidewalk on N.E. 50th Street, waiting their turn no matter the weather to obtain groceries they couldn't live without.

What's terrific is that the food bank has a brand new home that has been desperately need since, oh, about the day it opened in 1985 in the basement of University Christian Church.

To think, in this time of mayhem and confusion and sadness and fright, something is working right. Something with humanity. And it should come as no surprise that the UW is not only a neighbor but continues to lend a hand to the people who need it most. There are the volunteers, from students who are members of the UW Circle K International (a subsidiary of Kiwanis International, a service organization), to the faculty and staff who for years have donated money to support the cause. The food bank's board chairman, UW grad Sean Sessions, '01, and other units have played a solid behind-the-scenes role. So if you are like me, and are afraid to turn on the radio or TV, or open a news-



paper because it could bring news of the latest tragedy, take a moment to stroll up Roosevelt Way N.E. to the new site.

While the U District has been overhauled with big apartment buildings and office space, nothing has been more important than this new facility. The numbers are simply staggering: more than 1,100 families receive groceries from the U District Food Bank, which distributed 2.3 million pounds of food to more than 54,000 customer visits last year. Think of three-quarters of a Husky Stadium crowd lining up on the sidewalk, in the rain, hungry, because they couldn't afford groceries for their family.

This is our soul. As a university, we talk about what it means to serve the public and make an impact. Well, keeping fellow citizens fed fits into that beautifully.

This is our soul. As a university, we talk about what it means to serve the public and make an impact. Well, keeping fellow citizens fed fits into that beautifully.

Jon Marmor
JON MARMOR, EDITOR

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Dentistry 2.0

| **by:** STUART ESKENAZI |

The days of "drill and fill" are fading away. Dentists of the future are going digital and focusing on prevention.

PAGE | 24

Patel's Space

| **by:** JULIE GARNER |

He can make a bed in a flash. He invents apps like crazy. Meet MacArthur "genius grant" recipient Shwetak Patel.

PAGE | 26

Come Back to Campus

| **by:** HANNELORE SUDERMANN |

OK, so you aren't a student anymore, but you can still take advantage of everything this place has to offer.



PAGE | 34

Fighting for Flint

| **by:** TOM NUGENT |

A toxic water system and government cover-up were no match for environmental engineer Marc Edwards.

PAGE | 38

The Kids of Union Bay

| **by:** PETER KAHLE |

Where the N.E. 45th Street Viaduct touches down was once home to a swamp. And married students and their families.

Thank You, Class of 1963 Committee

Barbara Clanton Ackerman
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Ted Richard Ramstad
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WHAT, WHO, WHEN, WHERE, WHY? Ever asked yourself how much the Class of 1963 loves the UW? Head down to south campus between Husky Stadium and UW Medical Center and you'll find a huge bronze W, courtesy of the class that graduated here 53 years ago (!). This statue provides a bookend with the free-standing 'W' at the northern entrance to campus, courtesy of the Class of 1960.

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December 15
2017 dates online



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Readers

What Do You Think?



Racial resentment does not enrich our country or make us more secure. It does the opposite.

JEAN MIYAKE, '68, '72, '81

Looking for Results

★✉★ I am inspired by President Ana Mari Cauce's column stating the UW's commitment to a better world (*Improving Health Around the World, June*). It reminds me of the current United Nations' Sustainable Development Goals, which are dedicated to creating a better world for everyone by 2030. The great thing about these 17 goals is that anyone can work on them, whether it's to end poverty and hunger, combat climate change or create gender equality. I am grateful that my alma mater is leading the effort. I will use President Cauce's inspiration in my volunteer work through RESULTS (results.org) to create the political will to get Congress moving forward on an agenda that forwards these goals.

Willie Dickerson, '73, '94
Snohomish

The Immigrant Dream

★✉★ It is unfortunate that letter-writer Jim Young (*Why Immigration Works, June*) uses a broad brush to comment about recent immigrants. In my experience, recent immigrants want to become U.S. citizens. If the dream of citizenship can't come true for them, then let it happen for their children. Here in the greater Phoenix area, our volunteer group assists lower-income families in the preparation of state and federal income taxes. Many of our clients

are recent immigrants. We know the kinds of jobs they have, their incomes and the income taxes, Social Security taxes and Medicare taxes they pay. Earlier this month, our local newspaper ran an article stating that Hispanic homebuyers are exceeding all other population groups in metropolitan Phoenix. Homeownership means property taxes, which directly pay for the public schools immigrant children attend. Property taxes also pay for community colleges, public libraries, fire department services and health care. Renters do likewise as apartment-building property taxes are passed on to individual renters. These immigrant groups pay the same sales taxes, gasoline taxes and utility taxes that I pay. Let's lend a helping hand if we can. Racial resentment does not enrich our country or make us more secure. It does the opposite.

Jean Miyake, '68, '72, '81
Scottsdale, Ariz.

OOOPS. Three miscues. №.1—In our June story about the new legislation on suicide prevention, we wrote that approximately 40 percent of all suicides are by firearm. The actual number is 50 percent. №.2—Our piece on Baden Sports' revolutionary new baseball bat said that the pitcher's mound in baseball was lowered in 1970. Wrong. It was 1969. And №.3—The name of the professor from the Evans School of Public Policy and Governance who is studying the impact of Seattle's \$15 hourly wage is Jacob Viktor. We printed the incorrect first name. Sorry about that and that and that.

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When We Work Together, Great Things Are Possible

F

DEAR ALUMNI & FRIENDS

or much of the world, spring is traditionally thought of as a time of renewal, but in academia,

it's really the fall when things begin to feel refreshed. Friends and colleagues reunite, sharing stories of their latest adventures and endeavors, and a whole new cohort of students arrives on our campuses, eager to begin its own journey.

I know that we are all reflecting on what has been an especially difficult and painful summer. Tragic, senseless violence, here in the United States and abroad, has seemed relentless—barely had we begun to mourn one tragedy before another struck, compounding our grief and frustration. So I, for one, am comforted to be once again surrounded by my UW family, old and new, because I believe that only together can we make progress toward justice and reconciliation.

This fall, our three campuses are preparing to welcome more than 7,900 first-year students and almost 3,000 transfer students. Three-fourths of our new Huskies are Washington residents. We are deeply committed to serving our state, and these enrollment numbers make me proud that we are delivering on that promise.

We are also set to enroll a record number of students from under-represented groups; approximately 60 percent qualify for the Husky Promise, our guarantee to Washington state students that we will not let financial challenges stand in the way of achieving a degree. Roughly 30 percent of our new students are the first in their families to attend college. Creating opportunities for more Washington residents to have a life-changing student experience is essential if we want to see real change.

To drive the changes that combat violence, inequity and terror, our world will need these thousands of new change-makers who have been added to our ranks. Each of them—each of us—is an infinite universe of potential, and together, as a community of shared commitment and good will, we can be a collective and unstoppable force for good.

That good is all around us, including alumnus Marc Edwards, who helped discover and expose the lead poisoning in Flint, Michigan's water supply. And it's represented by the largest-ever class of UW medical students in Spokane, who will begin their journeys this fall in our new partnership with Gonzaga University. Across the UW, and across Washington, teaching, learning and research for the public good are in full swing.

Our desire to make the world a better place is also manifest at the UW as we prepare to launch the most ambitious fundraising campaign in our history. I'm excited for October 21, when we will hold the community kickoff celebration launching our campaign at an event titled, **Together**, at Alaska Airlines Arena at Hec Edmundson Pavilion. I hope you can join us, but if you can't, I promise you will have countless other opportunities to get engaged.



All over the world, UW alumni demonstrate that they can make a difference for the things they care about. I invite you to join with us in making an impact that will last for generations. I thank you for all that you do, for the UW, for your communities and the world. I can't wait to see what we can accomplish, together.

Ana Mari Cauce

ANA MARI CAUCE

PRESIDENT | PROFESSOR OF PSYCHOLOGY

Inclusiveness is the Key

These are momentous and exciting times at the University of Washington, and the UW Alumni Association continues to be front and center in helping the UW community mobilize for success. Over the past few years, my predecessors have focused on stewarding partnerships with families, students and alumni, improving access, and expanding our presence and programming across the state. As UWAA board president, I am committed to this positive momentum while building on our legacy of promoting positive change in service to our University.

The coming year will be about connecting (AND) as a collective body (WE) for the benefit of the UW. I see “AND—WE” as an acronym which highlights our intent and outcome: *Action iNformed by Dialogue—Washington Excels.*

As a leading public research university, the UW is ideally positioned to turn ideas into impact. One of our next great opportunities is to ensure that our community of students, faculty, staff and stakeholders reflect the diversity and inclusiveness that is foundational to doing the right thing, the right way.

The UWAA is passionate about carrying forward our longstanding commitment to support the UW as we take on the grand challenges of our time. As our University community prepares in the coming months for campus

initiatives, an important legislative session and more, we will lean heavily on “AND—WE” for sustainable solutions.

I look forward to the challenges and achievements that we will accomplish together as well as the prominent role the University of Washington will continue to play in changing lives and transforming our world.



Clyde D. Walker

CLYDE D. WALKER
UWAA PRESIDENT, 2016-2017

Race & Equity Leadership: Interrupting Privilege

Most discussions of inequality focus on violence, disproportionality and discrimination. But what about the concept of privilege? How does privilege—in terms of race, gender, sexuality and citizenship status—shore up inequality?

Starting this fall, the UW Alumni Association and the UW Center for Communication, Difference and Equity (CCDE) will collaborate with The Graduate School on a new opportunity for alumni and students to explore race and equity through a combination of lectures and conversations.

“Race and Equity Leadership: Interrupting Privilege”

engages questions of privilege through The Graduate School’s yearlong public lecture and workshop series on “Equity and Difference: Privilege.” Quarterly programming and curriculum is designed for a small number of undergraduate students and a matching number of alumni who commit to a series of events and activities.

“Regardless of whether our alumni and students might be starting in different places, they can all lead and grow together to ultimately create change,” says Ralina Joseph, founding director of CCDE, associate professor in UW’s Department of Communication and adjunct associate professor in the Departments of American Ethnic Studies and Gender, Women and Sexuality Studies.

The Graduate School’s “Equity and Difference: Privilege” lectures in the fall include Jose Antonio Vargas, journalist, filmmaker, immigration rights activist, on Oct. 6, 2016; and Megan Francis, assistant professor of political science, UW on Oct. 12, 2016.

To learn more about how to participate in this unique opportunity, please call 206-543-0540.

2016 • 2017

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Homecoming

The Dawg Days of Fall

This year's homecoming weekend has offerings across campus to delight and engage Huskies of every ilk. And at the heart of it all is **Together**, the celebratory launch of the public phase of the University's campaign to raise funds and increase awareness of all that the UW does.



Friday, October 21, 2016

W Day | The UW's birthday celebration—Huskies all over Washington and the world are encouraged to show their purple pride, fly the UW flag and purple up their homes and businesses. The day begins in Red Square with a rally for the students.

5–6:30 p.m. | Music, giveaways and food will turn the main entrance of the Alaska Airlines Arena at Hec Edmundson Pavilion into purple party central.

6:30 p.m. | Together: the official launch of UW's fundraising campaign. Students, friends, alumni and staff are invited to attend an event that organizers are describing as an immersive multimedia spectacular. While the event is free and open to the public, registration is required.

8 p.m. | Post-event Party. Those who just can't bear to leave just yet will be treated to music and late-night-style street food.



Also happening Homecoming weekend

- 50-year reunion of the class of 1966
- Multicultural Alumni Partnership breakfast (Oct. 22)
- Homecoming football game vs. Oregon State (Oct. 22)
- The Dawg Dash, Husky Pups Run and Post-Dash Bash, Seattle campus (Oct. 23)

*The launch and various campaign efforts and events throughout the coming year have been underwritten by Boeing, Microsoft, Starbucks, The Seattle Times, AT&T, Banner Bank and BECU.

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#2



LEADER OF THE PACK

HIGHEST PERFORMING LICENSEE
#3



LEADER OF THE PACK

HIGHEST PERFORMING LICENSEE
#4



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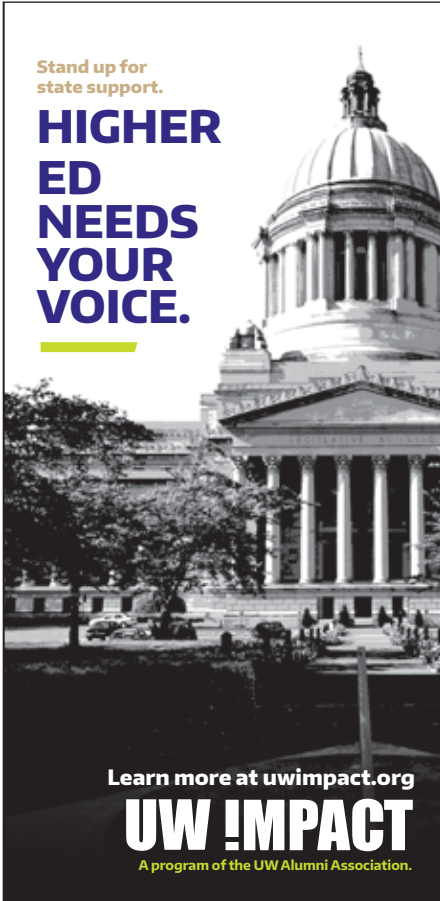


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Dave Torrell

UW Sports Encyclopedia Exhibit Tender Ace Storyteller

We were Husky football fanatics.

Three of my fraternity brothers and I spontaneously road-tripped overnight to attend a UW-USC game in Los Angeles. We took turns driving a '56 Chevy all the way on two-lane I-5. And we won 34-0!

Being a Husky is a way of life.

Athletics are a rallying point for the entire university. I've been the founding curator since the Husky Fever Hall of Fame opened in 2002. There are 500 pieces of memorabilia celebrating 21 sports plus 200 Husky Hall of Fame inductees.

The best artifacts are

often surprises. There is a 100-year-old track uniform; 1920s letterman sweaters with players' names stitched into the collars; a 1948 watch presented to NCAA basketball participants. Sometimes people think the history is just about trophies. It's more than that. It's the people.

I've always been a sports guy.

I'm a Seattle native and, as a kid, I rode my bike five miles and paid \$1 to see the Seattle Rainiers play baseball. Back then, it was all about the Rainiers, the hydroplanes and the Huskies. The first time I went to Husky Stadium, I sat two rows from the top of the upper deck. You felt like you were in the middle of the sky.

It was like a barn. When I attended

during the late '50s and early '60s, Hec Edmundson Pavilion still had a dirt floor for track athletes to practice. It was originally built in 1927, and they made space for the Hall of Fame during the 1999 remodel. It fits perfectly into the character and history of the building.



The small things are what I like best.

In the past, trophies and souvenirs were often smaller, but there was more art. We have old programs where you can tell somebody drew everything by hand. Those personal touches are so great!

It's a family affair. My son helped

design the iconic 1990 homecoming "Dawgfather" football poster displayed in the museum. My wife is pictured as part of the 1962 UW cheerleading squad alongside a set of paper pom-poms. I went to the games for her and the football. And there weren't many things better than football!

If something looks worn,

all the better! We don't restore items. I wanted to include quarterback Marques Tuiasosopo's jersey after the Huskies won the 2001 Rose Bowl. His mother said she'd take it to the cleaners first. I asked her not to. It's more interesting all marked up.

I'm going to throw this

away. Do you want it? It happens four or five times a year that someone calls, wanting to donate their family's heirlooms. It's a really special interaction. Sometimes multiple generations visit the exhibits to see their loved one's legacy.

Visitors tend to be

reverent and speak quietly. The Hall of Fame inspires people—even our very own student-athletes. I recall when a women's volleyball player told me that she came in to the museum years ago and thought, "If I'm going to get in here, I need to put it into high gear." Her team ended up winning a national championship.

When I was living in Portland,

we used to stop at a Chehalis restaurant and buy cinnamon rolls to deliver to Don and Carol James on game days. It's wonderful being part of a community that supports the university.

➤ As told to **DEANNA DUFF** ➤ Photographed by **RON WURZER**

1957

Columns



We scanned this from the back of a 1939 issue of Columns. The purchasing power of that little red postage stamp has long since faded away, but the glue is holding strong as ever.

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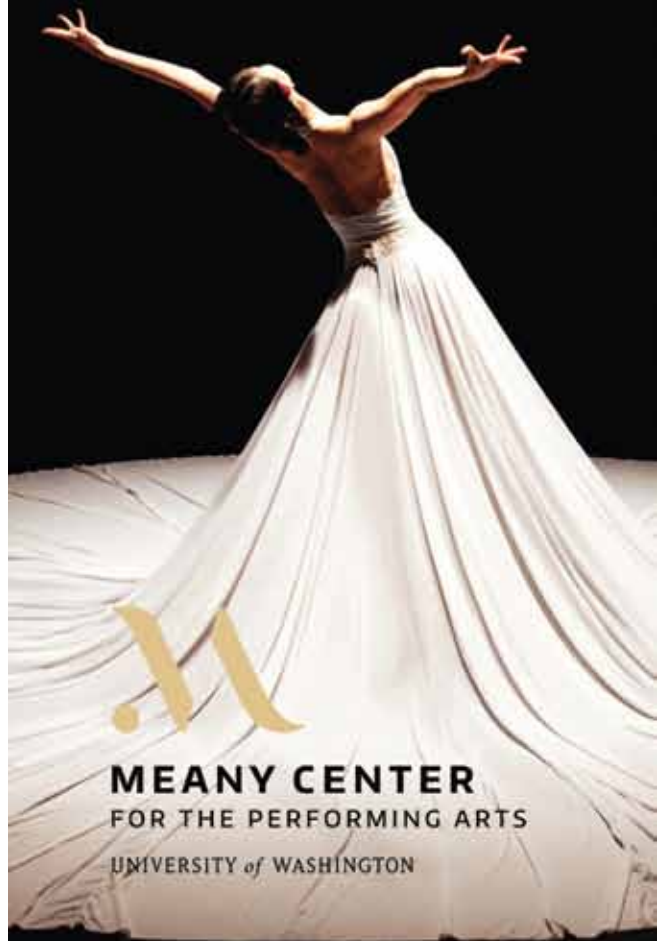
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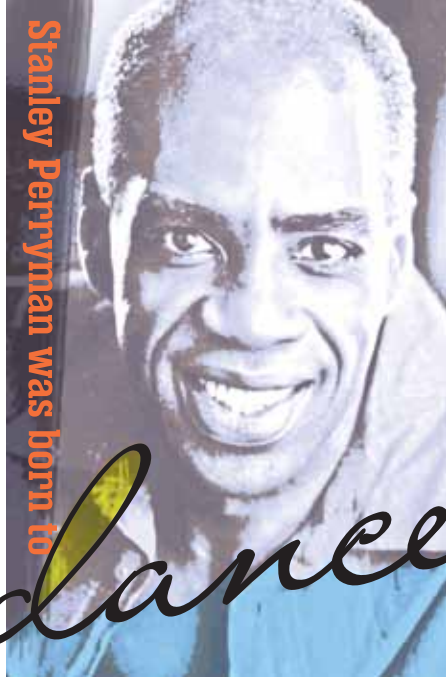
Mark Morris Dance Group
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Stanley Perryman was born to



dance

“He danced even before elementary school with our older sister,” recalls his sister Anna. The Garfield High School graduate auditioned for Seattle’s All City Dance Group, danced with Black Arts West. In 1975 he moved to New York to perform with the Alvin Ailey Dance Company, the Dance Theater of Harlem and on Broadway. He left New York during the AIDS crises of the 1980s, telling friends that there were only two people in his address book left alive. Eventually, Perryman returned to Seattle, where he danced in musicals and theater venues until his forties. With the encouragement of Hannah Wiley, professor and long-time director of the UW Dance Program, Perryman completed his bachelor’s degree in 1996. During the past decade, Perryman and his partner, Robert McCroskey, devoted themselves to raising their daughter, Avalee Fray-McCroskey, who is now 14. “He was a great dad and a great cook,” Avalee recalls. “He made these really great chicken pot pies.” Perryman died suddenly May 6 in Seattle at the age of 62. But his spirit will dance on.



360 KIDS CALL HER THEIR SECOND MOM

As a teacher at Rainier Beach High School, Muffy Johnson was assigned to be the adviser for the school’s class of 1966, for an extra \$5 a month. Johnson, ’57, and her husband, George, ’57, adopted the class as their second family. For the past 55 years, Muffy and George have attended class reunions, weddings, funerals, graduations, retirements, paid for the entire class to take boat rides, and donated an annual scholarship to low-income students. More than two dozen multi-millionaires came out of that class. She helped launch doctors, lawyers, teachers, psychologists, policemen, firemen, business owners, musicians, cartoonists, mechanics, artists, not to mention a legion of UW grads. In fact, many of her students’ kids and grandkids went on to graduate from the UW. “For the 360 students in the class, she was like a second mother to us,” says Frank Erickson, ’72, a Burien real estate developer. And those warm feelings go both ways. In August, the class honored Johnson by having the high school’s music room named in her honor.

STUDENT REGENT

For the first time since 2008, an undergraduate has been appointed to a one-year term on the UW Board of Regents: Austin Wright-Pettibone. The chemical engineering major spent 2015 lobbying state lawmakers to lower tuition. Good guy to have on our side.

—From The Seattle Times obituary of Jack Allbritton, ’47, who as a UW student sold sandwiches and other fast food treats to the dorms and Greek Row. Allbritton died April 26 at the age of 95.

“He was known as



Some birthdays are just too big for party games

Pin the Tail on the Dreamliner is no way to celebrate Boeing’s 100th. But you can bet that plenty of Boeing birthday cake ended up in the bellies of many UW grads, since alumni have played a big role in building Boeing into the world’s preeminent airplane manufacturer. Take a bow! Now get back to work.

DYK

Two-thirds of all Washington residents who apply to the UW are accepted. | This year’s fall freshman class was selected from a record-breaking number of applicants.

THE SKY'S THE LIMIT

(This man is setting boundaries for drones.)

Ryan Calo is a nationally recognized expert on robot law. Though he wears a King Kong/Robot T-shirt, he's dealing with serious business. Robots—think drones, but not the ones used in war—“make surveillance easier and simpler for the police to see what's going on in our backyards,” he says. “They give police access to areas reserved for solitude, such as your house.” In other words, they can invade privacy. The U.S. Senate, Department of Homeland Security and other governments frequently seek Calo's guidance. The FAA, for instance, is struggling with how to regulate commercial drones. And there are toy drones, which have their own rules. This is getting complicated. That's why we need experts like Ryan.

RON WURZEL

Just Chillin'

Most people like to spend a nice May or June day at the beach. Not our polar scientists. They traveled to Alaska's North Slope to attend the 2016 Barrow Sea Ice Camp. They were hard at work the entire time, so, no, they weren't just chillin'.



BUILDING A DREAM

In 1949, Winifred Savery graduated from the UW and embarked on a career as one of Seattle's first woman architects. She was also the wife of James Savery, '41, son of one of the University's legendary professors, William Savery. She died April 17, 2015 in Edmonds at age 92.

The Seattle Times

Grandson Sets the Record Straight

IT TOOK DECADES, but The Seattle Times finally clarified a story it ran on June 10, 1951. The headline said Luella Armstrong was the only girl among the class of 175 aeronautical engineering graduates. For the past 65 years, that article aggravated Armstrong, who enjoyed a distinguished career at Boeing. But on June 6, 2016, the paper—thanks to urging from Armstrong's grandson—made amends with a front-page story headlined: “We Stand Corrected on our 1951 story.” Says Armstrong: “I'm a woman, not a girl.”



COURTESY PIXAR STUDIOS

Pixar Animation Studios called on Adam Summers, professor and fish biomechanist, to make sure the sea creatures in its summer hit, “Finding Dory,” were busting the right moves. As Summers consulted on the movie, he found himself identifying most with the character known as Mr. Ray, a blue-and-white spotted eagle ray fish. A jolly fellow, Ray is a teacher and expert in marine education. Summers told Nature magazine, “He was very underutilized. Ray should voice-over the whole movie. Or have his own spinoff.”



UW

CREW

CENTURY OF DOMINATION



When most PAC-12 All-Century Teams are announced, we are thrilled when a few Huskies make the list. But that wasn't the case when the All-Century rowing teams were unveiled. We absolutely dominated the honors. Which is as it should be, since everyone's been chasing us since we picked up an oar for the first time.

JAN HARVILLE
Women's Rowing
COACH OF THE CENTURY
She led the Huskies to three NCAA titles

WOMEN'S CREW

— VARSITY EIGHT —
1997 NCAA CHAMPIONS

— INDIVIDUAL ROWERS —

- ANNA MICKELSON CUMMINS, 1999-2002
- MEGAN KALMOE, 2004-2006
- KRISTI NORELIUS, 1981-1982
- SUSAN BROOME, 1980-1982
- SHYRIL O'STEEN, 1980-1981
- SABINA TELENSKA, 1997-2000
- RIKA GEYSER, 1998-2001
- KATIE MALONEY, 2000-2002
- MARY WHIPPLE (COXSWAIN), 1999-2002
- BETSY BEARD (COXSWAIN), 1980-1983

MEN'S CREW

— VARSITY EIGHT —
1936 OLYMPIC GOLD MEDALISTS

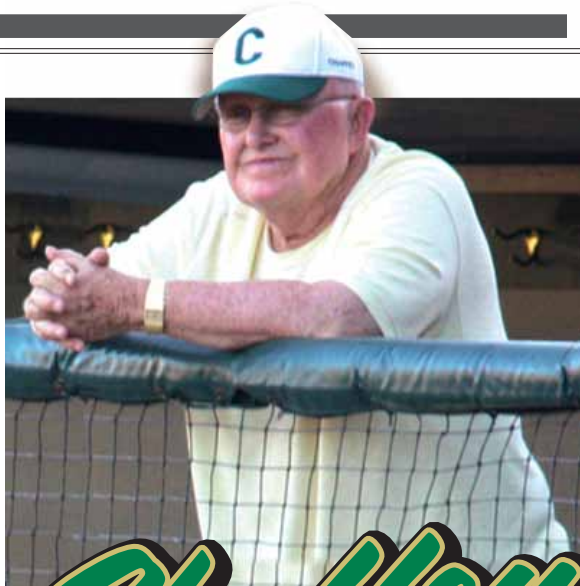
— INDIVIDUAL ROWERS —

- CONLIN MCCABE, 2009-2013
- DAVID CALDER, 1998-2001
- DONALD HUME, 1936-1938
- JOSEPH RANTZ, 1935-1937
- WILL CROTHERS, 2006-2009
- MATT DEAKIN, 2000-2002
- ROB MUNN, 2009-2012
- ROBERT MOCH (COXSWAIN), 1935-1936

When it came to youth and college baseball in the Northwest, Herb Chaffey sure carried the lumber. The logging industry and home-building veteran *loved* the sport so much that he created the

CHAFFEY BASEBALL TEAM

for 15- to 18-year-old boys, which produced many Division I players and a few major leaguers. He also *loved* the UW so much that he helped build Husky Ballpark in 2009. The UW named the playing field "Chaffey Field at Husky Ballpark" to honor Chaffey, '61, of Medina, who died May 18 at the age of 79. "I smile every time I see my own son wear the Chaffey jersey," says Athletic Director Jen Cohen. "It's a constant reminder of one of the strongest men I know."



Chaffey

GIVE ME FIVE



AT HOME THEY SERVE ME HUMBLE PIE.

Kelsey Plum
BASKETBALL STAR

The senior All-American from San Diego leads the Huskies in the Nov. 11 season opener at home against Eastern Washington—with her sights set on a return trip to the Final Four.

1. YOU PLAYED IN A FINAL FOUR AND YOU'RE AN ALL-AMERICAN. WHAT'S YOUR ENCORE ?

We want a national championship. I know most people think it's UConn and Tennessee who will always win women's basketball, but we believe in our vision. We want to show that the West Coast deserves respect.

2. WHAT ARE YOU WORKING ON FOR THIS SEASON ?

My three-point range needs work. I also need to go to my right better. This year, I won't be handling the ball all the time. I'll get to move off the ball, play off screens. I may not have to play as much.

3. TELL US ABOUT THE FINAL FOUR.

I really didn't expect that we would make it. I'm a realistic person, and we came in fifth in the Pac-12. But when we beat Kentucky in the regionals, I thought maybe we could do it. My teammates were always convinced. I was a late bandwagoner.

4. YOU LEFT SUNNY CALIFORNIA? TO COME HERE?

It rained 60 straight days my freshman year. I called my mom every day. She almost got me a sun lamp, but she told me to suck it up. Here, I wanted to do something different, to be part of turning things around. And the results show that we are doing it. We are recruiting players who would not have come here years ago. The talent is coming here. It's very exciting.

5. WHAT DO YOUR BROTHER AND TWO SISTERS THINK OF YOUR NEWFOUND CELEBRITY ?

They still treat me like a scrub. I have to make my own breakfast and I still get third pick of what family car I can drive. There's a lot of humble pie to eat at home.

NATIONAL CHAMPS!

Ranked No.13 heading into the NCAA tournament, the women's golf team knew it was good. But national championship good? That was answered in a hurry as our purple and gold golfers eliminated Virginia in the quarterfinals and, in the semifinals, sent No. 1 UCLA to the caddy shack. That meant facing mighty Stanford for the trophy. On a golf course in Eugene, Oregon, of all places, the young, inexperienced Huskies smote the defending national champion Cardinal. And for all the drama, the Dawgs could have won an Oscar. They had a chance to win it in regulation but freshman Jeanne Alvarez missed a five-footer on the 18th hole. Just three holes into overtime, however, she more than redeemed herself by coolly sinking the winning putt to capture the UW's first national title.



Other Women's National Championships:

Coach Mary Lou Mulflur is the latest women's coach to grasp an NCAA title.

Crew—1997, 1998, 2001
Volleyball—2005
Cross Country—2008
Softball—2009

SO CLOSE

Former Husky Jake Lamb came within an eyelash of making July's Major League All-Star game. The Arizona Diamondbacks' third baseman, who, at the time, was batting .293, was the first National League player since 2009 with at least 20 home runs and 60 RBI at the halfway point not to make the All-Star game. The 25-year-old Queen Anne resident, who starred for the Huskies from

2010 to 2012, is using an AXE bat from Baden Sports, the Renton-based company that is making baseball bats with an axe-shaped handle designed by a fellow alum, product design leader Hugh Tompkins, '09.



GOODBYE, LOU

For more than 21 years, Lou Gellermann was a big reason why watching the Dawgs was so enjoyable. As Husky Stadium's public address announcer from 1986 to 2007, Gellermann made us feel like family with his trademark greeting "Hello, Dawg Fans." And we always responded en masse with "Hello, Lou!" But that wasn't the only reason Gellermann, '58, was a legend. He rowed on the 1958 Husky eight-oared crew that scored a historic victory in the USSR in the first sports event ever broadcast back to the U.S. from behind the Iron Curtain.

THE Style AWARD

THEY DON'T MAKE 'EM LIKE THEY USED TO.

Here's a humble, third-place trophy that happens to be the classiest-looking cup in the case. The men's basketball team received the sterling honor after its performance in the 1953 Final Four. Led by national player of the year Bob Houbregs, '53, the Huskies lost to Kansas in the semifinals but rallied to rout LSU in the consolation game to take third place, the highest national finish the Huskies have ever earned. The 1952-53 team went a best-ever 28-3, advancing to the Final Four for the only time in school history. OK, hoops historians, how many of you can name the other members of that team?

RAISING THE BAR



Pole vaulter Brad Walker, who was named to the Pac-12 All-Century Track & Field team, heads the 2016 Husky Hall of Fame Class. He'll be inducted October 22 along with:

- Olin Kreutz** (football)
- Sara Pickering** (softball)
- Nate Robinson** (basketball, football)
- Bob Rondeau** (radio announcer)
- Sanja Tomasevic** (volleyball)
- Mary Whipple** (rowing)
- 1984 football team**





“This shouldn’t hurt one bit.”

Going to the dentist has never been as unpleasant as it’s often made out to be. But new technology and a new teaching philosophy is about to dispel that myth for good. Say ahhh.

By STUART ESKENAZI Illustration by TIM BOWER

Hailey Turner reclines in a dentist’s chair, her mouth and eyes open wide. With a steady hand, Yen-Wei Chen, ’08, assistant professor of restorative dentistry, waves a wand across his young patient’s mouth, the penlike instrument tracing the lines of Hailey’s teeth and gums without ever touching them.

To Hailey, a bashful 14-year-old with silky brown hair, the wand is like magic. In reality, it is an intra-oral optical scanner capable of recording thousands of images per second. Behind Hailey’s head, a computer monitor displays the pictures, which have been stitched together electronically into a high-resolution 3-D map of Hailey’s mouth. It shows every detail of every one of her teeth—of which there are too few.

Hailey has ectodermal dysplasia, a genetic disorder that stunted her dental development—and arrested her self-confidence. She has only six adult teeth—two incisors in front and four molars in back—in addition to several baby teeth that stubbornly have held on. The intra-oral scan initiates a rapid process for creating a set of cosmetically pleasing artificial upper teeth for Hailey. Similar to a denture without gums, the dental appliance will snap snugly into place over her existing teeth, the scanning device having tracked precise paths of insertion. Chen uses the computer like an Etch A Sketch as Hailey and her mother dictate aesthetics. Hailey requests her new teeth be whiter, too.

“Before, you had to design restorations by hand at a lab,” Chen says. “Now, the dentist is designing and the software auto-assists. It’s like a computer game.”

The digital impressions taken of Hailey’s uppers, lowers and bite took all of three minutes to scan optically. Chen then sends the image files electronically to a lab in Renton, where they are plugged into a software program that mills a block of material into what will become Hailey’s new teeth. With staining, coloring and glazing, the entire process will take about an hour. A courier then will deliver the prosthetic to the UW Dental Clinic. With traffic, that could take another hour. From physical impression to hand-fabrication to fitting, that process used to take about a week and require as many as six different office visits to get everything right. Now it all can be done in a single day, and the patient’s time in the chair is spent much more comfortably.

While the lab mills the new appliance, Hailey, her mother and little sister grab some lunch and explore the University District with plans to return later that afternoon for her final fitting. Staggering advancements in science and technology like those helping Hailey are also rapidly changing dentistry. And that means methods for teaching and training future dentists must keep pace. This fall, the UW School of Dentistry is starting its second year of a new curriculum built around shaping the “Dentist of the Future.” In addition to training students in the modern techniques of dentistry, the new curriculum also pays heed to a revolution taking place in the management of dental practices, with the UW being the first school in the country to devote four years of instruction to the business side of the profession.

The school recognizes that dentists no longer can focus solely on “drill and fill.” At some point in the not-so-distant future, digital im-

Physical-impression molds could become obsolete. No more nasty goop. No more icky taste. Also gone will be the fuss of a temporary crown.

pressions will be used not only in extreme cases like Hailey’s but also for making routine crowns and bridges. “I predict it will become the standard in two years,” says Joel Berg, dean of the School of Dentistry. Physical-impression molds could become obsolete. No more nasty goop. No more icky taste. No more gagging. Also gone will be the fuss of a temporary crown, as well as the requisite return visit to get fitted with the permanent crown.

UW dental students currently are being taught both physical- and digital-impression techniques as the school straddles the line between a past that isn’t so long ago and a future that isn’t so far away. Chen recalls how the first intra-oral scanner he used seemed like something straight out of “Star Wars.” While that scanner was as big as a golf club, the tool he uses today is barely bigger than a Sharpie.

With novel techniques and equipment becoming passé after just a few years, the new curriculum is, at its core, an exercise in keeping UW at the vanguard of dental education. “We discuss ‘Dentist of the Future’ as it relates to our responsibility to serve the ‘Patient of the Future,’” Berg explains. “We designed the curriculum to have our graduates do well in responding to the changing needs of the patient.”

As they become increasingly informed about dental health, patients of the 21st century are expecting more from their dentists. Influenced by modern science and patient interests, the revised curriculum weighs heavily toward prevention. New detection tools are allowing dentists to treat early stages of tooth decay, not just cavities. For example, the U.S. Food and Drug Administration in 2014 approved the use of sil-

ver diamine fluoride, a drug applied topically to kill the bacteria that eats away at a tooth. Considered effective at preventing cavities, the treatment already is popular among parents who want to spare their children the dreaded dental drill. Soon after the drug was released to the market, Berg, who practices pediatric dentistry, got calls from eager parents asking: “Can you treat my child with this?”

In developing the new dental school curriculum, Berg brought in a consultant from the University of Pennsylvania’s Wharton School of Business who specializes in marketplace trends. The consultant’s advice? Teach for the future. So the UW did.

One area of the new curriculum prepares students for the ever-shifting business side of dentistry. Lessons begin in the first year with a weekly lecture organized like a talk show and cleverly dubbed “Tuesday Morning Live.” Inside a Health Sciences classroom last spring, Berg moderated a panel on the divergent forms of dental practice. Sitting on the right: Victor Barry, a dentist who runs a small practice on Seattle’s Capitol Hill with one other partner and two associates. The gray-haired former president of the Washington State Dental Association wore a blazer, open-collar dress shirt and loafers. On the left: Tyler Shoemaker, CEO and chief dental officer of Smiles Dental Group, a dental service organization (DSO) with 25 practices throughout Washington, Oregon and Alaska. A certified public accountant, he sported a track-suit jacket, sweatpants and running shoes.

Consolidation into large group practice is a trend of the dental industry. In spite of critics who admonish the model as excessively corporate, as many as half of today’s dental-school graduates are likely to work within a DSO for at least five years of their career.

“Being a dentist has gotten very complicated,” Shoemaker told the 75 students, who soaked up every word. “Our organization helps take

that stress away by providing you resources that allow you to do your job better.” Barry, however, advised caution: “Not all DSOs are accountable. You need to do your due diligence. Talk to your colleagues who have worked in that setting.” The teaching of practice management typically is

tacked onto the tail end of dental education, an awkward afterthought imparted to students as they prepare to graduate and enter the real world. UW is the first dental school in the country to offer such an extensive and embedded practice management curriculum, Berg says.

Stephanie Campbell, a first-year dental student from Montana, appreciates that: “When I was applying to dental schools, I specifically looked at which schools offered a business aspect to their curriculum. Dentistry is a split between health care and business. For me, that’s one of its attractions.”

The new curriculum has also ushered in a new system of third-year clerkships and a fourth-year, general-practice model designed to duplicate the real world of private practice.

For Hailey, her mom and sister, time on the “Ave” passes quickly. It is now afternoon and Hailey has returned for her final fitting. Chen pauses to reflect on the first time Hailey saw herself with her new upper teeth in place. “I saw a tear roll down her eye,” he says. Hailey wasn’t uncomfortable; she was overcome with emotion. “Hailey smiles a lot more now,” her mom confirms.

Both can attest to the change in Hailey because this is her second visit to see Chen. Hailey is getting a replacement for the dental appliance Chen made for her months earlier—but is no longer usable.

As magical as modern dentistry has become, the future is not fool-proof. Hailey’s original appliance broke into three pieces in time-honored fashion when the family dog, Cookie, tried to eat it. ■—*Stuart Eskenazi is a Seattle freelance writer and former Seattle Times reporter*

The MED STUDENT IS IN

Revamping Medical School Education Means Students Learn Better by Seeing Patients Much Earlier

By STUART ESKENAZI

Inside a crowded North Seattle medical clinic, Aubriana Ard watched in awe as the heart of an emergency cardiac patient beat with such ferocity that it looked as though it might burst out of his chest.

Fresh into her second quarter as a student at the UW School of Medicine, Ard had just learned about treatments for acute arrhythmias the day before. The lesson covered a condition known as supraventricular tachycardia, or SVT, an irregularly rapid heart rate that, if not treated quickly, can escalate to cardiac arrest. Now, while taking part in a new clinical training requirement for first-year medical students, she was observing a real patient with the condition struggle to remain calm as medical professionals hustled to stabilize him.

"It looked like the examples we were given in class the day before," says Ard, who also learned in class about anti-arrhythmic drugs, including adenosine, a short-acting medication that is used to stabilize heart rhythm. Paramedics who had been called to assist injected the patient with it.

While classroom instruction is crucial for learning the scientific foundations of medicine, there is no substitute for firsthand clinical experience. That's why the UW School of Medicine launched a new curriculum last year that puts an earlier and greater emphasis on clinical training. "We want to get our students thinking like doctors from the first day they are here," says Suzanne Allen, vice dean for academic, rural and regional affairs.

By rebooting its curriculum, the UW is breaking from a traditional but increasingly antiquated model of medical-school education that has served students across this country for more than a century—two years of intensive classroom-based education in the basic sciences followed by two years of clinical training. Now, first- and second-year UW medical students attend class four days a week for no more than four hours a day (instead of eight) for a year and a half.

This frees them up to spend a day every oth-

er week at a community clinic or doctor's office and to participate in faculty-guided clinical skills workshops on alternate weeks. In addition, each student spends a morning every other week in a hospital setting.

"They now are able to learn basic science and apply that in a clinical setting at the same time, which they hadn't been able to do previously," Allen says.

The curriculum renewal is taking shape inside the framework of the school's five-state, multi-institution partnership—called the WWAMI program—where students spend their first 18 months of medical school in their own states. WWAMI also offers students clinical rotations in different medical specialties throughout Washington, Wyoming, Alaska, Montana and Idaho.

The curriculum change also ushered in a new immersion-style orientation where first-year students from each region spend two weeks together to begin bonding as classmates and start learning about real-world medicine.

For new students from Alaska, that meant spending time with Steven Floerchinger, a well-known Anchorage general surgeon and avid horseman. Floerchinger introduced students to the power of body language and energy in medicine—how a physician's presence and touch can either soothe or frighten patients, and ultimately build or destroy a trusting relationship.

"We went to his stables, where we met and interacted with several of his horses," says Ian Isby, who starts his second year of medical school this fall. "He showed us how to approach the horses so they felt comfortable and would reach out to you. He then reminded us that we are animals, too, and no different."

At first, Isby didn't quite make the connection. But as his first year of medical school proceeded, he said he began to realize what Floerchinger and his horses were trying to show them: Patients have their best medical experiences when their doctors are calm and collected, not harsh and hurried. ■

BE PURPLE



IT'S NOT JUST FOR FRIDAYS.

UW alumni are proud of their school and the role it plays in their lives—both on and off campus. UWAA membership helps Huskies stay in touch and in the know.

**BE CONNECTED
BE A MEMBER**

JOIN TODAY

W
Alumni
ASSOCIATION

UWALUM.COM/JOIN

INTRODUCING **Shwetak***
Patel one of the brightest
thinkers you'll ever meet
on this or any other planet.

Writer Julie Garner pays him a house call
and confirms that, yes, he puts his
inventions and gadgets to work,
but she finds out a whole lot more.

[His welcome mat reads: Wipe Your Paws.]

He likes to yo-yo.

RON
WURZER
photo

"Working with Shwetak is like drinking from a fire hose," notes UW Regent Jeremy Jaech, technology and software entrepreneur. "He has a huge number of ideas and some of them are genius."

He is married to Julie Kientz, associate professor of human centered design & engineering. For "date night," they are working their way through the alphabet. "For 'A,' we did archery. We went up in a hot air balloon for 'H.' We crash-landed in somebody's backyard."

A curious sort, on a trip to San Francisco he took apart the self-serve boarding-pass kiosk at the airport. And the hotel card-key reader. And the airplane's inflight entertainment system.

He can lock his front door using his smartphone.
From virtually anywhere.

He's got a Tesla. He's monkeyed with it. The car is semi-autonomous, which means all he has to do is drive to the corner, turn right, and from there, it drives itself to the UW. But sometimes he inline skates to work.

His lab developed ways to measure lung function using an ancient 10-year-old flip phone.

His 3-year-old could unlock an iPad when she was 1. Today, she enjoys 3-D printing.

"I like to build stuff. If I don't build something in three days, I go crazy."

He and his colleagues developed a smartphone app that can detect newborn jaundice in minutes.

As a new dad, he developed a device to detect if his child's diaper was wet. It featured a 1-pixel camera, a battery about an inch in diameter and a color strip indicator. He soon realized that there were easier ways to tell if a baby is wet.

He was the first on his block to get Gigabit, an elite broadband service. "I got it even before the Fire Department."

"I can make a bed in under a minute." He offered to demonstrate. "I grew up in a motel my parents ran. Some days I had to make 50 beds."

The last book he read? It was about how to get kids to sleep.

He uses his smartphone to track all the energy and water use in his home, right down to the toaster, espresso machine and even his phone charger.

Displayed in the den is his collection of Alabama Crimson Tide football championship hats. "I have every one since I was born in 1981." Why? He's a native of Selma, Ala.

During the week, their children are not allowed any computer screen time. The couple's goal is to take their children to every single park in King County, more than 200 of them.



Shwetak Patel isn't just a braniac and a dad and a husband.

He's also the Washington Research Foundation Entrepreneurship Endowed Professor in Computer Science and Engineering and Electrical Engineering. He received a MacArthur Foundation "genius grant" in 2011.

Return

YOU HAVE AN
OPEN INVITATION
TO COME BACK TO CAMPUS

The University of Washington campus is a 700-acre symphony of trees, public art and architecture, punctuated with exhibits, performances and public lectures. Each year, thousands of alumni come back—some to start a company, research a book, or imprint campus on their kids. Here we present six alumni who show us the different ways they keep connected, whether they graduated 40 years ago or just this spring.

By Hannelore Sudermann Photos by Joe Santiago

Reconnect Option No.1

Explore HORIZONS

The Washington Yacht Club is not just for seasoned sailors. Alumni who have never even stepped on a boat are welcome to learn how to sail. The student-run organization offers beginner dinghies, and then catamarans and daysailers, before members can work their way up to a 28-foot sailboat and the four large cruising keelboats.

Launching from the Waterfront Activities Center, newer sailors like Albert Smalls, '12, right, and Alex Senko, '16, must stay in Union Bay to learn how to sit, steer straight and maneuver out of the lily pads. As they grow more experienced, they can earn ratings to take the boats farther out into Lake Union and Lake Washington. Smalls picked up sailing as a student. "The first day I went out, it was November, snowing, and there was no wind," he says. "And I loved it." Now, when he has time in the afternoons, he rides his bike to the bay for a little excursion. "In just a few minutes, I can be out in the lake where there's no car noise, no electricity."

Besides taking lessons, members can share in social events and trips like the Summer Snooze and Cruise, an overnight sail to Blake Island. For the speedsters, there's a campus-to-Kirkland challenge, which was created to give members "some direction in their endless quest to sail fast."

Alumni can buy a yearly membership, paying an initiation fee and annual dues, which turn out to be considerably less than private sailing lessons and boat rentals around Seattle.





Reconnect Option No.3

Volunteer IN A GARDEN

Her father said she should come with him to the Washington Park Arboretum and pull weeds for a couple of hours. He thought Hilary Vonckx, '16, right, would enjoy a break from her urban existence.

"He was right. I was hooked right away," says the alum from the School of Nursing. "I didn't really know how to weed, but I loved the people I was meeting, and this was a really nice place to spend time."

Created in 1934 and jointly managed by the UW and the City of Seattle, the arboretum boasts 230 acres, 40,000 specimens of trees and shrubs, and status as one of the oldest public gardens in the West. It is a lush oasis of nature in a bustling city. Many alumni, like Vonckx, become "garden stewards" to help care for the grounds. Others come to see plants in their prime, take tram tours, or attend clinics on identifying birds and improving soil. Still more use the park for jogging, picnicking and taking time to stop and smell the flowers.



Reconnect Option No.2

Join A CLUB

Dave Gandara, above, strolls in to the University of Washington Club, and a staffer calls out a friendly, "Hey, Dave." He offers a quick hello and heads into the wood-paneled, midcentury modern building looking for his lunch companion, Fabiola Jimenez, '12, left. A mentor to Jimenez since she was a UW student, Gandara coached her through law school at Seattle University and continues to stay in touch as she studies for the bar exam. As an entrepreneur who works with startups, Gandara, '90, uses the club for business as well as a landing spot for other activities on campus.

The UW's social club was founded more than a century ago to serve the faculty. It existed for many years in a craftsman-style bungalow left over from the 1909 Alaska-Yukon-Pacific Exposition. But by 1959, the

structure was ready to be replaced. The club commissioned two of the region's most notable architects, Paul Hayden Kirk, '37, and Victor Steinbrueck, '35, who created a testament to Northwest-style architecture. Understated from the street, the club features an interior that is full of character with broad windows that capture panoramic Lake Washington views.

"A lot of alums don't know that this place is not just for professors and staff," Gandara says. "It allows me to bring people to a great place on campus that they might not know."

The club hosts winemaker dinners, summer barbeques, guest chefs, special dinner and food demonstrations, and meals with Husky coaches. Membership is open to faculty, staff, retirees, and UWAA members.



The bold words caught her eye: “Fugitive Slave Case.” Lorraine McConaghy, ’73, below, was digging into the UW Libraries archives looking for old newspaper stories that showed how locals in the 1860s felt about the Civil War “when my eye strayed across the page to the headline.”

The piece told the story of free black people in the region who helped an enslaved 12½-year-old boy escape to Canada. “My mouth just fell open,” she says. As the story goes, members of Victoria’s black community arranged to stow Charles Mitchell in the galley of a ship leaving Olympia one morning. The lad was discovered during the trip, and locked up so the captain could return him. But when the ship arrived in Victoria, a hundred people, black and white, were waiting to welcome the child. Ultimately a Victoria judge freed Mitchell to the British colony’s black community.

McConaghy’s discovery led to her book, “Free Boy,” which she published last summer. It’s just one of dozens of discoveries she has made on campus. “The UW Libraries open their arms,” she says. “As an alumna, it makes me proud.”

Reconnect Option *No. 4*

Indulge CREATIVITY



Reconnect Option №.5

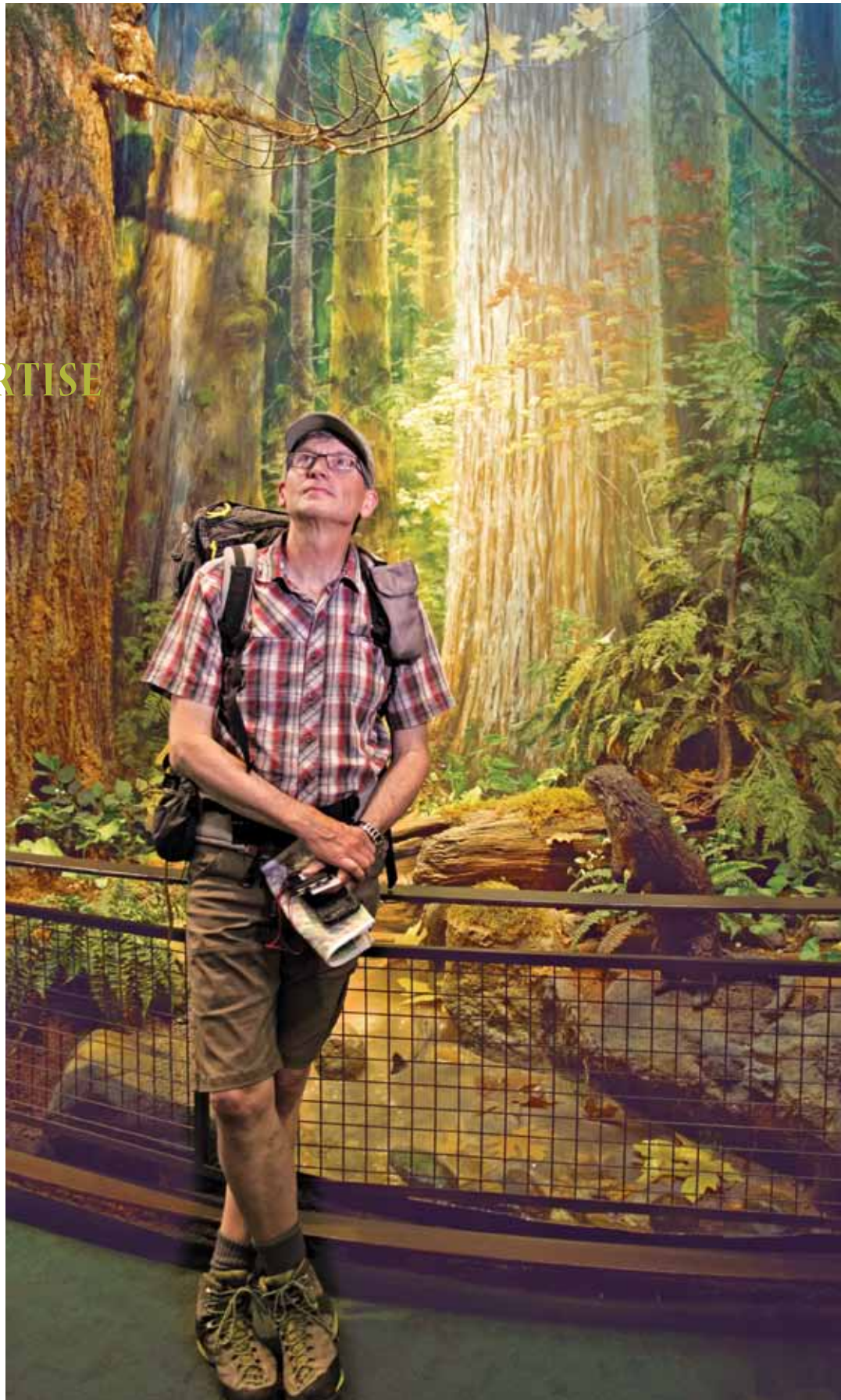
Leverage EXPERTISE

Last June, when the Burke Museum held the grand opening of its Wild Nearby exhibit, Steve McClure, right, stood before a roomful of people and shared his expertise as a mountaineer. He detailed how he uses his smartphone, compass and map to navigate backcountry and off-trail hikes. “So many people are moving to the Northwest to go to school or get a high-tech job, and they want to get out and explore,” he says. “There are some very cool, modern tools to help them do that, but we’re stuck in the old ways of just a map and compass.”

During the week, McClure, 81, is a CPA and partner with a company that advises businesses in the tech, venture-funded and real-estate industries. But there’s another side to him—the outdoorsman. An at-large director of The Mountaineers and author of “Guide to 100 Peaks in Mount Rainier National Park,” he loves taking off into the wilderness.

His interests dovetail perfectly with the Burke’s latest exhibit featuring the North Cascades range that Jack Kerouac described in his novel “Dharma Bums” as “miles and miles of unbelievable mountains grokking on all horizons in the wild broken clouds.” The goal of the exhibit is to draw people into the museum to learn more about the wild areas around them—and then urge them out into nature. And McClure hopes they’ll do it with their compass, GPS, smartphone, map and altimeter in hand. “These are really serious mountains around here. Weather, snow and so on,” he says. Planning and preparing are key. “Part of it is technique, and part of it is just being able to find your way around.”

The Wild Nearby exhibit at the Burke runs through February 2017.



Martha, '11, and Justin Tran, '10, '12, below left, scoured Western Washington for the perfect venue to stage their wedding. They considered dozens of options, including a waterfront hotel in downtown Seattle and a barn in Snohomish County. "But they really didn't feel like us," says the bride. Besides that, some of the sites were head-spinningly expensive, and many had been booked for a year. So they turned their focus to the UW campus. "It was perfect," says Tran. "First, it was affordable and available. But more importantly, it was right where we wanted to be, here in Seattle near all our friends and family." While many of the guests were also alumni, they hadn't been back to cam-

pus in decades, so coming for the wedding was a revelation. With a bevy of lovely settings, the UW is a premium venue for weddings and receptions. From the Washington Park Arboretum, to the Burke Museum, to Mary Gates Hall Atrium, there is something for every couple. Some of the Trans' guests had never even seen the Sylvan Grove Theater, the site of their ceremony. "It was a fun discovery for them," says Tran. The shaded lawn by the historic columns was perfect for the Trans. "Justin and I met at the UW, we both lived on campus, and we went to the Sylvan Grove all the time. Even in the middle of everything, it feels secluded," she says.

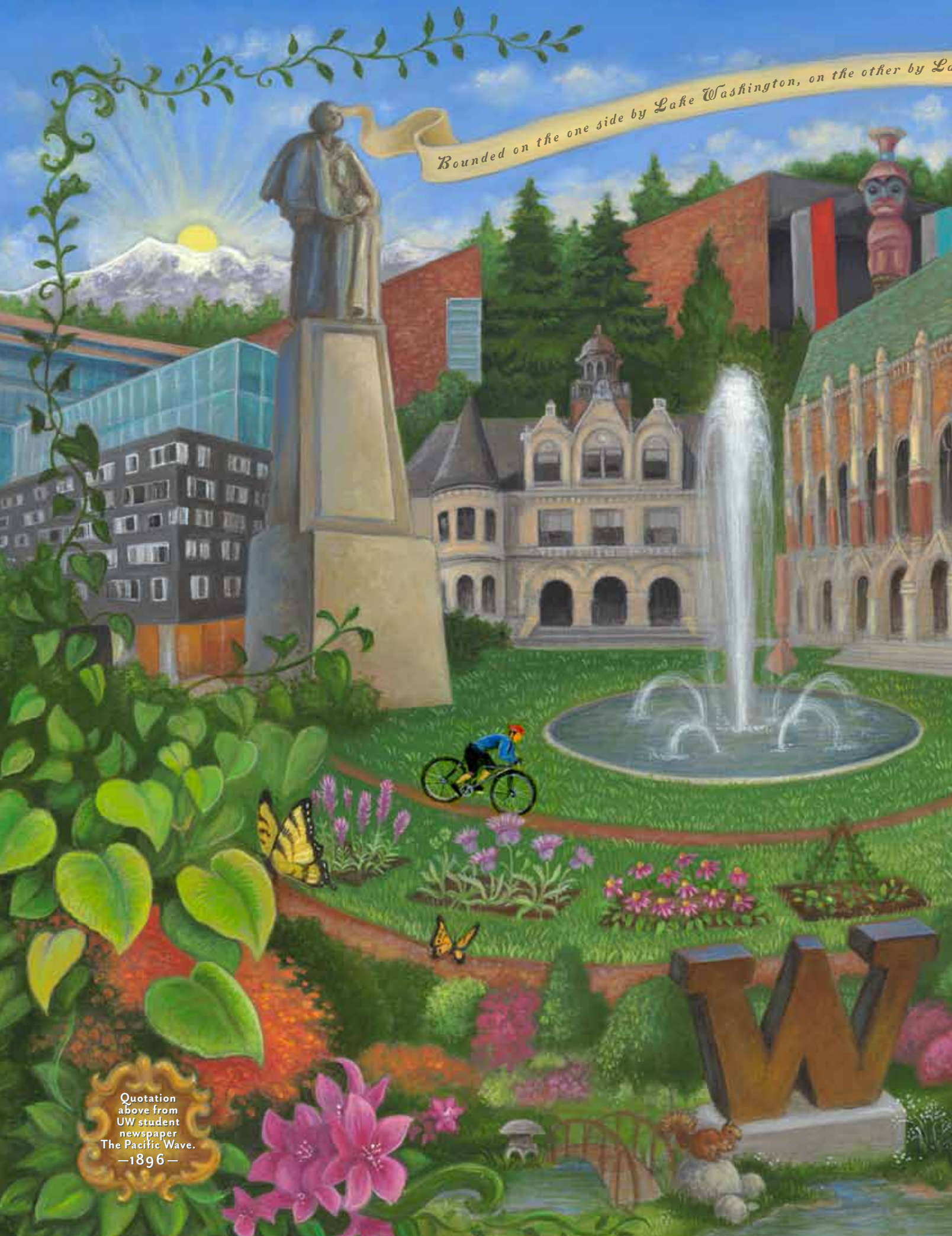
Exchange VOWS

Reconnect Option No. 6



KIRK MASTIN

Bounded on the one side by Lake Washington, on the other by La



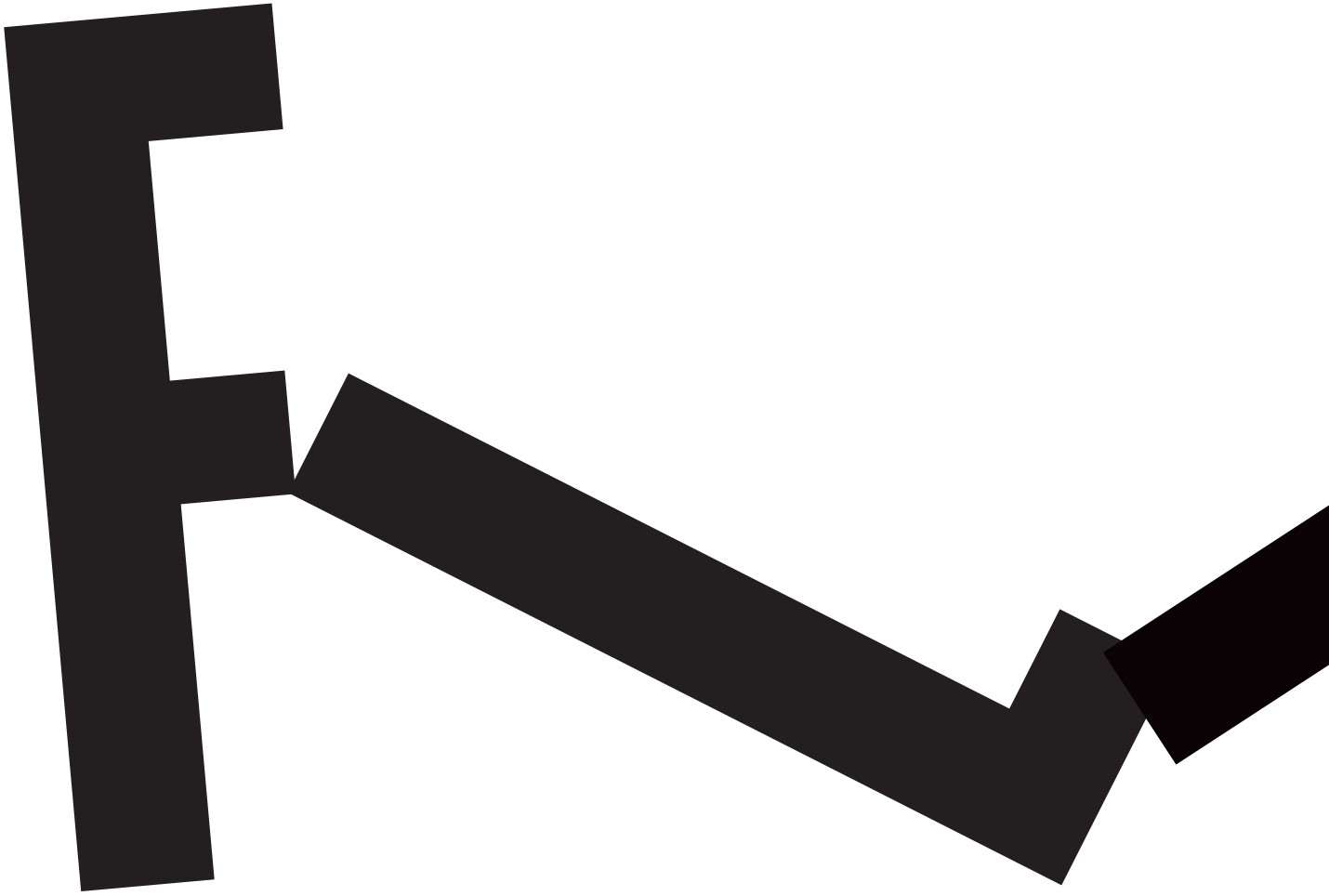
Quotation
above from
UW student
newspaper
The Pacific Wave.
—1896—


Like Union, it lies like a gem in

a setting of Silvery Waters.



by
Joyce Patti





A Michigan city's drinking water was poisoned, and government officials refused to admit it. Desperate for answers, an ailing family didn't know where to turn. Then they found UW-trained engineer Marc Edwards, who exposed the crisis. Now they have a chance.

By
Tom Nugent

A few minutes before midnight one day in May 2015, Mark Edwards sat down at his computer and clicked open a new email message. The spreadsheet that popped up came from his senior research scientist, and when Edwards spotted a critical number in boldface type—13,200 ppb—the clean water expert nearly fell off his chair.

THAT NUMBER described the amount of toxic lead in a sample of tap water taken from the home of a lead-poisoned child more than 500 miles away in Flint, Mich. According to current U.S. safety regulations, anything more than 15 parts per billion is cause for action, though researchers say no level of lead is safe. Edwards, a veteran environmental engineer and an expert at pinpointing health hazards in drinking water, says when he opened the file, “my heart skipped a couple of beats. Not only was the lead content at 13,200 parts per billion ... but even after 25 minutes of flushing water from the tap, the water was still more than 10 times higher than the EPA levels for action.”

The laboratory’s report was clear: Flint resident Lee-Anne Walters and her family were exposed to water containing so much lead, the children were at risk of developing lifelong neurological injuries. “Some of the water in the Walters samples was more than twice as toxic as the water you’d find in what the EPA would term hazardous waste,” Edwards says.

In the months prior to the testing, Walters, a stay-at-home mother of four whose husband is in the Navy, watched as her children lost their hair, developed ugly rashes, suffered abdominal pain and lagged in physical and mental development. She was afraid—and the numbers now proved it—their water was poisonous. “All at once, it seemed clear that the children of Flint might be in real danger,” says Edwards. “It also seemed clear that we needed to begin testing the city’s water as soon as possible because plenty of other people were complaining about the foul-smelling, brownish water flowing out of their taps.”

Edwards had seen lead issues before. In 2003, a group of homeowners in Washington, D.C., had asked him to investigate their corroding copper pipes. His findings of lead contamination and problematic water-treatment practices led to Congressional investigations in 2004 and 2010. He won a \$500,000 MacArthur Foundation “genius grant” in 2007 for “his vital role in ensuring the safety of drinking water and exposing the deteriorating water-delivery infrastructure in America’s largest cities,” according to the foundation.

Over 25 years as a water-quality engineer, Edwards has found issues with lead in many other communities. While the problem was much worse in Washington, D.C., he and a congressional investigation determined that the Centers for Disease Control covered the problem up by authoring “scientifically indefensible” reports.



Marc Edwards, '88, '91, is a MacArthur “genius grant” awardee for his work drawing attention to toxins in the tap water in several major cities. He blows through a section of pipe to loosen debris.

The prospect of widespread lead poisoning among the children of Flint—a predominantly African-American city of about 100,000, where 41 percent of the population lives below the federal poverty line—was terrifying. Equally troubling, public officials were downplaying the problems in the water supply, leading Edwards to suspect another “D.C.-like” cover-up of health harm. In April 2014, the bankrupt city had switched from using pristine Lake Huron water to more corrosive water from the nearby Flint River to save money. As studies would later reveal, the corrosive water was leaching lead from city pipes.

A father of two, Edwards was keenly sensitive to the havoc that lead poisoning can wreak on a child’s developing brain. A powerful neurotoxin, the heavy metal can cause learning disabilities and numerous other maladies. Staring at the frightening data on the screen, Edwards, 51, vowed to help protect Flint’s children—even if that meant once again “taking the struggle to the next level” by locking horns with state and federal environmental regulators.

MARC EDWARDS grew up in Ripley, N.Y., a small town on Lake Erie near the western-most edge of the state. His father was a teacher and his mother, a homemaker. As a teen, he spent many hours

toiling alongside migrant workers in vineyards. “Living in a small, poor town like that, you were thankful to be working and earning a minimum farm wage,” he says.

By the time he enrolled as a biophysics major at the State University of New York at Buffalo in the early 1980s, Edwards was sensitive to national economic disparities. That growing social awareness was magnified by his job as a live-in aide for mentally challenged adults. “I learned a lot working in those homes and helping them with their lives,” he says. “I think that sensitized me to the plight of people less fortunate.”

Edwards arrived at the UW to pursue an environmental engineering Ph.D. in 1986. One of his first steps was what he says could have been a huge mistake. “I decided to work with Mark Benjamin as my adviser without ever meeting him,” he says. “I can still remember my first conversation with him, where I realized that this person was probably the opposite of me in many ways. And at first, I was fearful that this choice would end horribly.” But selecting Benjamin, an expert on water-treatment processes, to be his Ph.D. adviser turned out to be a stroke of luck.



In homes and under sinks like this one in Flint, Edwards, an environmental engineer, looks for clues as to why the tap water in this particular house has high levels of lead.

Edwards soon discovered that being challenged again and again forced him to question his ideas and assumptions.

As it turned out, “Mark was exactly what I needed at that point in my life,” says Edwards. “He expanded my horizons and pushed me to explore new realms in engineering and science.” For his part, Benjamin (now professor emeritus of engineering) remembers Edwards as a “truly dedicated student who responded very well to the challenges we set for him. Yes, he liked to argue . . . and he was a good arguer! And we had some great discussions. Really, he was just a joy to work with.”

Describing their relationship, both men chuckle as they recall the 10-mile runs they took together along wooded trails. “Marc was much more of a runner than I was, and it was difficult to keep up with him at times,” says Benjamin.

“I remember being very angry that he was ten years older than me, and I would always run out of gas before he did,” counters Edwards. Benjamin is quick to point out that their respectful give-and-take was a good example of graduate education at its best. Edwards’ approach as an engineer—fighting to protect communities and their most vulnerable members—makes him “a role model for how scientists and engi-

neers ought to function,” says Benjamin. “As an advocate for the public, he did what we should be teaching our students to do.”

WHEN LEEANNE Walters asked Edwards for his help, she was starting to think no one cared. “Thank God, he listened,” she says. “He told us how to begin collecting samples of our drinking water and arranged for us to send the samples to him. Then he came to Flint with a handpicked team of graduate students, and they settled in here and ran hundreds more tests.”

Edwards spent more than \$150,000 of his own money and filed numerous Freedom of Information requests, forcing state and local officials to open up their files on drinking-water safety in Flint. He is an “amazingly generous man who has a huge heart. I really don’t know what would have happened without him,” says Walters.

Bringing his students and colleagues, most of whom traveled in their own cars and paid their own expenses, Edwards led the charge knocking on doors and collecting water samples. “It was a real ground war,” Edwards says. “The people in Flint were fighting for their lives, and those of us who’d come there from Virginia Tech [where he is a professor] were determined to help them as much as we could.”

A skilled researcher, investigator and activist, Edwards knew how to nail down the scientific data required to expose the danger in Flint. He could also help orchestrate a news-media campaign to force public officials into action. For example, after filing several FOI requests in 2015, Edwards brought to light public documents showing that Michigan health officials covered up the lead issue. “He’s very down to earth, very low key,” says Walters, remembering how Edwards sometimes slept on her living room sofa to save on expenses. “He was exactly what we needed to start waking the nation up to Flint.”

Retired public health nurse Roberta “Bobbi” Schoolfield, ’68, shares Walters’ admiration for the engineer, who was recently named one of America’s “100 Most Influential People” by Time magazine. As a Flint resident, Schoolfield witnessed the water crisis up close. “A lot of us are very grateful that Marc Edwards stepped in to help the city cope with a major public-health threat.”

Though Flint has now switched to a fresh source of water and started to replace its corroded water lines (with the help of an \$80 million federal emergency grant),

Edwards is still troubled by the damage to the city’s infrastructure and potential long-term damage to Flint’s children.

In Flint he is serving on a committee charged with developing a long-term plan for addressing the crisis, and overseeing research for both the EPA and the state of Michigan. But there is more to do. Recent studies show that other cities—including Cleveland, Pittsburgh and Philadelphia—are facing their own hazards from lead in their drinking water.

Ask Edwards to describe the key lesson from Flint, and he doesn’t hesitate. “I think what we need most right now is to focus on the pursuit of science for the public good. And I truly hope that Flint will serve as a wake-up call for all of us.” ■—*Tom Nugent is a Michigan-based freelance writer who has written for publications including The Washington Post and People magazine.*

It’s Not Just In Flint Other places around the world are beset by water pollution problems. Some 20 million Bangladeshis, about 12 percent of the population, are part of what the World Health Organization calls “the largest mass poisoning of a population in history.” Read more at UWalum.edu/columns/



by
Peter Kahle

Peter Kahle, right, and neighbor Johnny Davies play in front of their Union Bay Village homes. The housing units were trucked in for returning veterans and their families.



THIS MEMORY LANE IS A PAVED- OVER SWAMP

(and The Union Bay Home
of My Picture-Perfect Childhood)

How many of us Union Bay Village kids are left?

You know who you are—because those three words have been part of your family’s private language all your life, just like mine. Union Bay Village. Shorthand for a time and a place in your family’s life. To summarize it as married student housing leaves out a lot, like calling Pavarotti a vocalist.

There was a swamp, a dump, a landfill, just south of where the N.E. 45th Street Viaduct touches down. The place never looked like a launching pad. But there was a time when men and women grew wings there. There was a time when the squeal of bus brakes would bring 26 kids under the age of 5 to full alert. We’d look down the grass court between the two long six-unit buildings, and if a man got off with an armload of books, we’d all scream “Daddy!” and run to see whose it was. That’s when it was called Union Bay Village.

The Village grew out of a swamp overnight. It had to. The GIs were coming. Hundreds of thousands of men and women, coming home from World War II, looking for the dreams and the families they had put on hold. Some had pushed pencils; some riveted airplane wings. Some had walked through hell, on levels literal and personal. Now the war was over, but they were coming home to an America that was not ready for them.

Where were the jobs? Where were the houses and Chevrolets and refrigerators? Guys were eager to get back to living, get back to work, get married, raise a family.

They weren’t interested in excuses. They had limited patience, and they had been trained in armed combat.

My mother, Hilda Kahle, has strong memories of those days: “The best idea the government ever had was the GI Bill. It channeled the men into education, gave them the excitement of moving ahead, while easing them back into civilian society. And it spread out that re-entry over three or four years instead of them all coming out in one block.”

The problem with the great idea was how to make it work, and work quickly. Every college and university in the country was strained to the limit to take them in. And everywhere Married Student Housing emerged as a priority issue. These were older guys, some married before they went in the service, others with plans on hold. Housing in Seattle, as in most cities, was priced way beyond GI Bill benefits.

At the University of Washington, the answer was Union Bay Village. Full credit should go to the University, for it beat swords into ploughshares with the speed and relentlessness of the veterans it served. On Nov. 1, 1945, President L. Paul Sieg announced a plan to build a housing project for married vets bordering the Montlake dump, a plan to go from bare ground to occupancy in four months’ time. He asked the federal government to donate now-vacant housing units from the Hanford Nuclear Reservation, from the Bremerton Naval Shipyard, from the Renton Boeing plants and elsewhere. Sterile white shoeboxes, prefab bungalows, fourplexes, sixplexes, by barge and truck and crane, they were hauled to the site and set down in rows on the muddy landfill. Four months later, the last weekend in March, the first residents moved in. By November 1946, there would be more than 400 homes.

My father, Joseph, started school in the summer quarter of 1946. He and my mother and my sister Judy moved into the

Continued on page 57



Nuts about Bats

Forget the silly myths about vampires. Sharlene Santana discovered that the role of bats in the environment is underrated. And most don't want to bite you.

by **JULIE GARNER** *photos by* **ERIN LODI**

Batwoman may be just a comic-book character, but at the UW we have our very own. Her name is Sharlene Santana, and you will find her in an unusually tidy office in Kincaid Hall, dressed normally (i.e., no bat suits). That's when she isn't jetting off to Costa Rica, Grenada or a steamy jungle to conduct research on some of the 1,300 species of bat that exist worldwide. And when she isn't out in the wild, Santana can be found at the Burke Museum of Natural History and Culture, where she serves as curator of mammals. "People ask me what my favorite mammal is and I guess I should say my husband, but really, it's bats," she jokes.

Entering Santana's office on a bright, summer day, a visitor is struck first by a glass-covered display of strikingly large insects mounted on the wall. Collecting insects is a byproduct of studying bats, because that's what many feed on. Her office desk also features a few 3-D printed bats. On this June day, Santana, who's wearing a carved necklace of tiny bats that she picked up at a meeting of the North American Society

for Bat Research, points out a shelf in the corner of her lab. It contains about 15 jars full of—you guessed it—pickled bats.

How did this assistant professor of biology become so obsessed with bats? As a young girl growing up in Venezuela, she spent a lot of time outside at her grandmother's house on the country's eastern coast. There, she occasionally saw bats flying at night, feeding on her grandmother's fruit trees. She was so enraptured that she decided to study the creatures, first as an undergraduate at Licenciatura en Biología, Universidad de Los Andes, Venezuela. That got her hooked. Ever since, bats have become her life's passion. At the Burke, she endeavors to pass on her love for these odd, scary-looking, flying mammals to tours of schoolchildren. At the museum's Meet the Mammals Day, slated for Nov. 5, children can examine bat specimens and even pet the little mammals. Santana, who loves teaching people of all ages about science, particularly enjoys helping them appreciate bats, the role they

play in nature—and how they benefit humans.

“[Bats] provide important services to ecosystems,” she explains. “They eat, and thus control, insect populations. They eat fruit and disperse seeds through their guano, which helps with forest regeneration. They are pollinators, much like bees, of commercially important crops like bananas, mangoes and cocoa.”

A big part of her job is dispelling myths about bats. The reality is that there are only three species of bat that function like vampires, consuming the blood of other mammals and birds. And there is only one type of bat that occasionally will try to bite people.

When Santana leaves Seattle to go into the field (she especially likes working in Panama and Costa Rica), her aim is to trap bats. To do that, she and her fellow researchers will hang what’s called a mist net, something that looks like a big spider web.

Even though researchers wear thick leather gloves like the ones falconers don, a bat at some point usually will bite them in protest.

tropics. It’s dark. It’s humid. It’s hot. There are mosquitoes that are biting you and biting the bats. The bats want to bite you. They want to bite everything. ... You go to a habitat, put your nets there and can expect to catch certain species, but you really never know what you’re going to get. I tell people, it’s like Christmas.”

Santana confesses that she does prefer some bats over others. A particular favorite is the white-throated, round-eared bat, which is found in Central and South America. “I did a lot of work on these insect-eating bats that glean prey from vegetation. The males chew through termite nests to create a cavity, a warm and safe house for him and his family group. I always got good data from them. I also like the Honduran white bats because they are tiny, which is remarkable for a mammal that only eats fruit. When you handle them, they roll up like a little cotton ball in your hand,” she explains.

Along the way, she has seen some strange sights in her bat-catching efforts, especially in Grenada last year. Fruit bats love Grenada because the Caribbean island produces nutmeg, mace and breadfruit. Grenada is also home to many vacation houses that were abandoned because of hurricanes and lousy economic conditions. Bats had a field day, because they love to roost in the roofs of abandoned buildings. “Walking into some of these houses felt sort of post-apocalyptic: lianas and other plants growing inside, bats hanging from the ceiling or flying around by the dozens, walls covered in guano, and floors covered in a thick layer of bat-dispersed seeds that were meant to grow in a forest,” says Santana.

Bats live in social groups. Usually, one male will live with several females and their offspring, while the sons leave at sexual maturity. What makes bats so interesting is the incredible diversity within the group: Some eat insects, others eat fruit or nectar, and some will even eat other bats. The Burke’s collection features bat species from all over the world, including the 15 in Washington state.

Spend an hour with Santana and you’ll find that bats are no longer creepy little mammals that flit through the dark intent on sucking your blood. They are actually important creatures that live quietly alongside humans, eating insects that destroy crops and plants, and dispersing seeds through forest. And, as the UW batwoman would have you know, they make up 20 percent of the earth’s mammal species. ■



Mammal curator Sharlene Santana and friends at the Burke Museum.

“Fruit bats in central and south America seem to be more aggressive when we catch them,” she says. “Bats are fundamentally shy and they don’t like it when we are handling them.” It’s a good thing she doesn’t mind being bitten because part of her research requires her to measure the force of a bat’s bite when it is feeding. For example, she wants to know how some bats developed the ability to eat hard fruits at night. It definitely gives them a survival advantage.

In a recent interview for BioDiverse Perspectives, a blog aimed at the scientific community, Santana said collecting bats “is always challenging because you’re working in the

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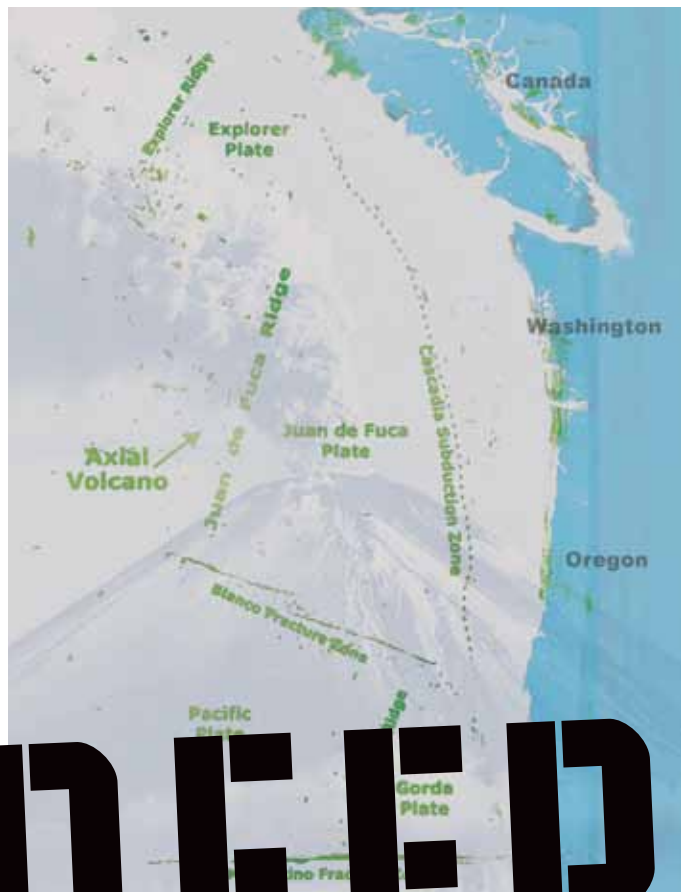


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DEEP DATA

Undersea Observatory Reveals Seafloor Secrets

In April 2015, the Axial Seamount, an active underwater volcano about 300 miles off the coast of Oregon, erupted. For the first time ever, scientists, engineers and students from the UW and around the world could watch it in real time thanks to an elaborate array of sensors they installed a year earlier.

The UW oceanographers had just completed a six-year, \$154 million project to design and build an undersea cabled observatory through the National Science Foundation's Ocean Observatories Initiative. No sooner were the fiber-optic cables and Internet lines connected, than the oceanographers and geologists started detecting tiny earthquakes. In January 2015, UW marine geophysicist William Wilcock noticed that the area was extremely active. "I am even more excited now that I have had time to look at it," he blogged at the time. "The data show that the volcano is restless and lends support to the growing expecta-

tion that an eruption may occur fairly soon." He noted that the area was experiencing 100 to 200 small earthquakes each day.

Assisted by scientists from around the globe, the UW led the design and construction of the world's most advanced underwater cabled observatory system. More than 550 miles of fiber-optic cables running from the coast of Oregon near Cannon Beach across the Juan de Fuca Plate connected approximately 140 instruments, as well as instrumented moorings that rise 9,500 feet above the surrounding seafloor. In real time, at the speed of light, pressure and tilt meters, hydrophones "listening" to the sounds of the ocean, chemical sensors, seismometers, and high-definition video cameras were sending data live back to shore.

Then, just around midnight on April 23, the volcano erupted. Over the next few hours, the pressure and tilt sensors across the caldera captured a drop of nearly 8 feet, coincident with more than 8,000 earthquakes as, it appeared, the magma chamber had emptied and lava poured out along the northern rift zone. Without the cable connection, it could have been months before scientists arrived at the site, accessed the instruments and learned about the eruption.

When the UW research vessel the R/V Thomas G. Thompson arrived at Axial three months later, Oceanography Professor Debbie Kelley, chief scientist of the expedition, knew the general location of the flow based on the data streaming to shore. Brendan Philip, '14, a current graduate student, was aboard the ship, eager to help map the still-hot lava flow and explore the newly formed seafloor. Using sonar on the Thompson, Philip discovered that the lava flow was more than 400 feet thick.

"I still find it hard to believe that such a massive amount of lava can be released from the seafloor in such a short period of time," he says. "It's a perfect demonstration of how incredibly dynamic our planet can be." Indeed, exploration of the summit of the eruption by Kelley and her team documented billions of microbes streaming from the cooling lava flow, fed by volcanic gases.

Seventy percent of the Earth's volcanic activity happens under the ocean, and most eruptions may not be noticed immediately, says Ginger Armbrust, professor of oceanography. "It gives us this unprecedented view into the ocean," she explains. The scientists can track the seismic activity, temperature, acidity and "make entirely new discoveries."

The idea for such a cabled underwater observatory surfaced in the 1990s when professor John Delaney and his colleagues in oceanography started planning a networked set of instruments to provide a comprehensive picture of what was happening off the Pacific Coast. It would allow them to capture earthquakes, detect chemical and temperature changes in the water, document plumes of methane rising from sediments, record images of rare fish, and even tell when blue whales were passing.

Delaney realized his long-term vision in 2014 as chief scientist on the Thompson, when the observatory installation was completed during an 85-day cruise, on schedule and under budget. Now, a team at the School of Oceanography and the Applied Physics Laboratory operate the system, providing data to scientists, educators and citizen-scientists from around the world. This past July, Kelley led a group of UW scientists, engineers and students on a 39-day, three-leg excursion starting at the Axial Seamount. "There is nothing better than taking excited students out to sea and giving them hands-on experience," says Kelley. "For many, it is a life-changing experience." ■

by HANNELORE SUDERMANN

It's a Dog's Life

Humans,
too?

We love our dogs deeply, but the heartbreaking fact is that our beloved tail wagers don't live that long. But two UW scientists—dog-lovers themselves—are testing a drug in dogs that has been shown to extend life and improve heart function in mice. The drug, rapamycin, is commonly used to prevent organ rejection in transplant patients.

"We are using low doses in the dogs," explains Matt Kaberlein, professor of pathology and co-director of the UW Nathan Shock Center of Excellence in Basic Biology of Aging. Working with fellow pathology professor Daniel Promislow, he is studying 24 dogs that are at least 6 years old, weigh 40 pounds and are in good health. Preliminary results indicate some dogs are experiencing improved heart function.

Kaberlein and Promislow, who directs the UW-based Canine Longevity Consortium, both explore the aspects of the aging process. The traditional approach has been to target the chronic diseases that often accompany aging: heart disease, diabetes and high blood pressure, for example. This canine study aims to see if this drug can delay these diseases. If the drug works in dogs, it could also have promising implications humans, they say.

The two scientists have submitted a collaborative grant proposal to the National Institute on Aging. It involves four projects and multiple researchers from UW and other universities to track 10,000 dogs nationwide. They plan to examine dogs in wealthy and poor regions, numerous breeds and large, mixed-breed dogs as well. The results could be something to howl about. ■ —Julie Garner

Kicking Addiction

Over-
coming
Opioids

Opioid addiction is a daunting problem throughout Washington state, with approximately 600 people dying of opioid overdose every year. And those who seek treatment routinely encounter a host of barriers.

Caleb Banta-Green, senior research scientist at the UW Alcohol and Drug Abuse Institute, is doing all he can to prevent these deaths. "I'm a public health guy," he says. "What you do about opioid addiction is triage and keep people alive."

He's conducting a study of an intervention at Harborview Medical Center and a treatment program with more than 500 opioid users who are at elevated risk for overdose. The intervention includes overdose education, counseling and take-home naloxone, a short-acting opioid overdose antidote. He has also worked to make naloxone kits available in pharmacies throughout Washington.

Two drugs quell the biological craving for opioids: methadone and buprenorphine (trade name Suboxone). But physicians often don't want to deal with addiction. Moreover, some insurance companies don't pay for treatment or will only cover limited treatment for a lifelong condition that must be managed the way people manage diabetes.

"There is stigma preventing people from getting on the meds," says Banta-Green, affiliate associate professor of health services in the School of Public Health. "My standard is alive or dead. You want people alive." ■ —Julie Garner

Reef Madness

Concern about the world's fragile coral reefs is so intense that researchers from all over joined the UW in examining more than 6,000 reefs in 46 countries. They found 35 "dark spots" with fish stocks in worse shape than expected. But they also uncovered 15 "bright spots" with more fish than anticipated. Edward Allison, professor of marine and environmental affairs, says: "This allows us ... to learn lessons which might help conserve or restore other reefs, a particularly urgent task given the mounting pressure from global change."

West Is Best

Rising temperatures! Varying patterns of precipitation! And more deleterious effects of climate change! That's why organisms are much better off if they call the West their home. "Many plants and animals will need to move in response to climate change," explains Joshua Lawler, associate professor of forest resources. The Eastern U.S., he says, has too many obstacles in the form of highways, cities and agricultural fields. Run for it!

Bioelectronics Challenge

For people with spinal cord injuries, restoring sexual function and bladder functions are some of their top priorities—higher even than regaining the ability to walk. So says Chet Moritz, '98, associate professor of rehabilitation medicine, physiology and biophysics and deputy director of the Center for Sensorimotor Neural Engineering. The center is one of three finalists in GlaxoSmithKline's Bioelectronics Innovation Challenge to create a wireless, implantable device that can assess, stimulate and block the activity of nerves that control organs.

Understanding Oso

The 2014 landslide that devastated the rural town of Oso should not have come as a surprise. New UW research has found that large slides occurred in that part of Snohomish County much more often than previously thought. Geomorphologist Sean LaHusen, lead author of the study that appeared in the journal *Geology*, says landslides have happened as often as every 140 years instead of every 500 years, as first thought. "That's a significant difference in recurrence rates, which are important when establishing hazard assessments for this valley," he says.

Cloudy With a Chance of Sardines

Weather forecasters eyeball the skies. Now, scientists from the UW and the National Oceanic and Atmospheric Administration are looking to the seas to predict what kind of fishing success we can expect. "The Pacific Northwest coast is a particularly good place to use this approach," says Samantha Siedlecki, research scientist at the UW-based Joint Institute for the Study of the Atmosphere and Ocean. In particular, scientists are examining water oxygen, temperature, chlorophyll and pH of the coastal water of Washington, Oregon and Canada's Vancouver Island.

PDX Problems

What's not to love about Portland International Airport? The number of contract workers and the low wages they are paid, that's what. Garrett Strain, '11, a graduate of the Evans School of Public Policy and Governance, produced a report titled "Poverty Doesn't Fly" that found the share of contracted, or outsourced, workers at PDX tops 26 percent. And that PDX also has the lowest minimum wage of the West Coast's large-hub airports.

Language Lag

Struggling to learn a new language? Blame your genes and the structure of your brain. Genetic variations of the COMT gene and a measure of the strength of the brain's communications network—known as the "white matter"—partially explains why some students performed better than others in a language class. "We thought studying how people learn something difficult would be a good way to tease out the interactions between genes and brains in learning," says Patricia Kuhl, co-director of the UW Institute for Learning & Brain Sciences.



UW gets a lot of ink. Here are just a few stories of note.

He describes the effort as “Jurassic Park’ meets the ‘Star Trek’ replicator.”

Sound Citizen

Janet Runbeck, '06, was honored for her work with several Tacoma-area organizations to protect women and children from sex trafficking. South Sound Magazine named her Citizen of the Year. Runbeck, a longtime nurse practitioner, earned her master's in nursing at UW Tacoma, where she teaches nursing classes.

Prison Parents

Marian Harris, associate professor in social work and criminal justice at UW Tacoma, has been named Educator of the Year by the Washington chapter of the National Association of Social Workers. Harris is a co-investigator on a federal grant to evaluate how the state helps incarcerated fathers and mothers transition back into society and be successful parents.

Lushootseed

Last summer, UW Tacoma worked with the Puyallup Tribe to offer a Lushootseed

Language Institute immersion program to help teachers and others learn and refresh their Lushootseed. The central Salish language, once prevalent among tribes around the Puget Sound, is in danger of disappearing. Danica Sterud Miller, assistant professor of American Indian Studies and member of the Puyallup Tribe, coordinated the course.

Waste Not

The city of Seattle is turning to the School of Public Health for help analyzing how to prevent food waste. Assistant professor Jennifer Otten and her colleagues have studied the city, food banks, public agencies, restaurants and stores to craft a plan to reduce waste and combat hunger.

Nursing Fellow

Butch de Castro, associate professor at the UW Bothell School of Nursing and Health Studies, is a new American Academy of Nursing Fellow. His research focuses, in part, on health disparities among immigrant and minority worker populations that result from chronic stressors related to working conditions.

BMOG

Jerry Baldasty, '72, '78, is now the UW's provost, a position made official in June and scheduled to last three years. He previously was interim provost, dean of The Graduate School, and chair of the Department of Communication, where he joined the faculty in 1978. Counting his student years, he's been a Husky for nearly fifty years.

Women's Advocate

After volunteering for more than 25 years with the YWCA, Sandra Madrid has become the chair of the organization's Seattle/King/Snohomish board. As board chair, she plans to work more with the community to “eliminate racism and empower women throughout our region.” Madrid, '80, '82, '85, is retired from the School of Law and works part time in minority affairs and diversity.

Moon Shot

UW football legend Warren Moon, '78, was featured in The New York Times last spring for his help paving the way for black quarterbacks to play in the NFL. Opportunities

Lip Service

Three years ago, Zoe Mesnik-Greene started a lip-balm company in her dorm room. Today, her eco-friendly product, “Lasting Smiles,” can be found at Whole Foods and Target, with 25 percent of the profits going to support cleft-palate surgeries in Peru, India and Burkina Faso. The senior majoring in environmental sciences and communication was recently profiled in The New York Times.

Mammoth Project

This spring, UW students made 3-D scans of a mammoth skull in an effort to replace missing pieces of a Columbian mammoth for the Burke Museum. Steven Weidner, instructor in mechanical engineering, is leading several classes in the effort. Scanning and 3-D printing bones from other mammoths in the collection and making mirror images of bones from the main skeleton found near Richland, Wash., will allow Weidner's students to complete the mammoth.



James Dorsey

True Believer | A kid straight outta Compton, James Dorsey grew up attending schools that were ranked dead last in California for quality. Which makes it all the more eye-opening that Dorsey was just elected national president of MESA USA (Mathematics, Engineering, Science Achievement), an organization that strives to bring more underrepresented minority students into the STEM fields. For the past eight years, Dorsey has served as executive director of Washington MESA, which is housed in the Office of Minority Affairs and Diversity. He knows all about the obstacles facing young people of color. With MESA support and programs offered through OMA&D, students can overcome these barriers. Says Dorsey: “I’ve seen the results.” —JULIE GARNER

ERIN ROWLEY



ALUMNI PROFILE

Christopher Brown flashes some green at Growing Veterans' Skagit Valley Farm.

Cultivating Peace From the Ground Up

It's a pleasant 70 degrees, and neat rows of snap peas, kale and broccoli spring from the soft loam of the Skagit Valley. Christopher Brown squats among the garlic and grasps a stalk. He tugs it from the ground with a satisfying crunch and peels back the papery protective layers, revealing a brilliant white bulb. ♦ Brown, '16, a Marine combat veteran, works alongside men and women veterans from all military branches. With them in mind, he co-founded Growing Veterans, a nonprofit farm that grows produce for farmers markets and food banks. The satisfying work comes with a deeper mission: helping war veterans reconnect with each other and their communities. ♦ Veterans greet each other every morning with hugs and share stories from their time in the military. They talk politics. Medications. Family. Civilian life. Brown's own experience led to this. In 2008, he returned from his final tour of duty and struggled to adjust. "There was a lot of guilt, grief, anger, frustration and anxiety," he says. He also had to cope with a brain injury and post-traumatic stress disorder. ♦ Along with PTSD, returning veterans face depression, isolation, substance abuse, unemployment, homelessness and suicidal thoughts. Brown's Marine

battalion, the 2/7, has a suicide rate four times that of all young male veterans. ♦ "When I went back to get my undergraduate degree," says Brown, "I made a commitment to myself that I would pursue an education and a career where those losses would not be in vain." Brown also worked on his own mental health. Following the advice of his therapist, he started growing vegetables. "I realized that there really is something to working with food and growing plants," he says. Just before entering graduate school at the UW, it clicked: Why not combine food and farming with helping veterans? ♦ Four years ago he and Christina Wolf, an organic farmer and former counselor, started Growing Veterans on a 3.5-acre site north of Bellingham. The Bob Woodruff Foundation, which supports programs for injured veterans, and the J.M. Kaplan Fund provided grants. The farm has since expanded to the 40-acre property in Skagit Valley and a half-acre in Auburn. ♦ Brown, who completed his master's in social work in June, and Wolf have also deepened their organization's focus on mental health; the farm's nine employees are trained in suicide intervention. ♦ There's plenty of excitement cropping up for the nonprofit. More veterans like Joel Swenson, a former Army combat medic, are on their journey to healing. Tending a plant from seedling to harvest and then selling it to veterans and employees at the VA hospital, says Swenson, "is really kind of a special experience." Washington.edu/boundless/growing-veterans ■

Story by **Jamie Swenson** Photo by **Dennis Wise**

Emmy Awardees

With Honor | Writer Larry Matsuda, left, and animator Randy Eng, '81, won a Northwest Regional Emmy Award for their animated short film about a local World War II veteran. "An American Hero: Shiro Kashino" was based on Matsuda's graphic novel, "Fighting for America: Nisei Soldiers." The 20-minute film tells the true story of Kashino, a Seattle native who served in the 442nd/100th Regimental Combat Team and the Military Intelligence Service. "Ironically, these soldiers were fighting to liberate foreigners when their own families were in American prisons," says Matsuda, '67, '73, '78, a retired educator and former UW Alumni Association president who was born in the Minidoka War Relocation Center. To watch the documentary, go to seattlechannel.org. —JULIE GARNER



JON WARMOR

for black quarterbacks were nearly nonexistent when he graduated because the "thinking positions" went to white players. It was more about stereotyping than racism, he says. He played in the CFL for six seasons before finally joining the NFL in 1984.

Write It, Right?

Handwriting, while seen by many as a nonessential skill, may be helpful to brain development. Virginia Berninger, professor of educational psychology, is lead author on a study in *The Journal of Learning Disabilities* explaining how learning oral and written language plays a role in executive function skills. "Writing is the way we learn what we're thinking," says Berninger. "The handwriting, the sequencing of the strokes, engages the thinking part of the mind."

Long, Hot and Buggy

While the Northwest experienced a generally mild summer, much of the rest of the country did not. So the news media turned to Kristie Ebi, professor of global health, for her expertise on the health risks of global climate change. She recently told *National Geographic* that climate change and growing urbanization, shipping and travel will stretch the range of insects, like the mosquitos carrying the Zika virus. Ebi suggests preventive

measures such as early warning systems for heat waves, public education and changing building codes to reduce stagnant heat in urban areas.

Fizzy Rocks

Earth and Space Sciences professor Roger Buick has found that Earth's early air exerted half the pressure of today's atmosphere. He spoke with BBC Radio last spring about new clues regarding early life on Earth. Bubbles that formed in rocks when lava was fizzing before it solidified are clues to Earth's thin atmosphere and the gasses it contained 2.7 billion years ago.

Big on Earth

The University of Washington published the most Earth and environmental science research last year, outpacing all other universities worldwide, according to a database compiled by the journal *Nature*. Researchers in the College of the Environment as well as the Applied Physics Laboratory were lead or co-authors on 126 journal articles.

Cellphone Elbow?

The digital age is taking its toll on our bodies. Even our kids are bent over their keyboards

and smartphones and not taking sufficient breaks. Debra Milek, medical director of the Occupational and Environmental Medicine Clinic at Harborview, warns that your discomfort now may herald a future injury. "It's important to pay attention to how we use these devices," she recently told *The Washington Post*.

Pot Policy

Though recreational marijuana is legal in Washington, there are still many legal questions left to answer, says Sam Mendez, executive director of the UW Cannabis Law and Police Project. Because of that, the law school held a marijuana policy conference last spring to explore questions about pesticides, youth access and the fate of medical dispensaries and research. "There's also issues around banking, or lack thereof," Mendez says. "A lot of banks are federally chartered, so a lot of larger banks simply won't take on cannabis clients."

Milgard Man

Howard L. Smith, '76, was named the Gary E. and James A. Milgard Endowed Dean of the Milgard School of Business at UW Tacoma. He comes from Boise State University via the Pacific University School of Business in Oregon. He

earned his doctorate at the Foster School of Business. While he has spent several decades in university administration, much of his academic and volunteer work centered in nursing and health care.

Rock Star

Geologist Alison Duvall, who studies landslides, received the American Geophysical Union's early career award for researchers in the Earth and space sciences. The Luna B. Leopold Award recognizes scientists who have made "a significant and outstanding contribution that advances the field of Earth and planetary surface processes."

OMAD's New Leader

The Office of Minority Affairs and Diversity has a new leader: Rickey L. Hall, who joins us from the University of Tennessee, where he served as its inaugural vice chancellor diversity and inclusion for the past three years.

Back to the Faculty

Howard Frumkin is stepping down as dean of the School of Public Health after five years. Frumkin, an internist, environmental and occupational medicine specialist, will return to the faculty as professor of environmental and occupational health sciences.



ANIL KAPPAHI

Shana Brown

True History | Shana Brown, '89, history and language arts teacher at Broadview-Thomson K-8 school in North Seattle, has rewritten history, altering the state curriculum to include Native history. Brown, a member of the Yakama Nation, is the principal author of "Since Time Immemorial: Tribal Sovereignty in Washington State," a new required curriculum for Washington's public schoolchildren. It highlights the lives of Indians before contact with settlers. Last spring, the White House recognized her as a "great educator" and invited her to the National Teacher of the Year ceremony. "My next dream is to change textbooks," she says. "Until these stories are woven into the actual texts, teaching an accurate history of how this country came to be is impossible." —JULIE GARNER



FACULTY PROFILE

Amelia Gavin researches birth outcomes at the School of Social Work

Addressing Stress of Lifelong Minority Status



Amelia Gavin's great-grandmother lost two sets of twins in their infancies, a fact that haunts the social scientist as she studies the relationships of race, depression, stress and disparities in babies' health at birth. ♦ Gavin found her calling in graduate school when a classmate presented a study about racial disparities in birth outcomes.

She was astonished to learn that regardless of education or income, black women were twice as likely to deliver preterm or underweight babies. "At the time, it was a given that if you improved the education of the mother, you improved the health of the child," she says. "But then there was this disparity for highly educated black women." ♦ Now an associate professor at the School of Social Work, Gavin is looking at how social marginalization may expose black women to more risk factors throughout their lives, and lead to more negative and lifelong health effects for their children. "The constant wear and tear on one's physiology has consequences, and it's intergenerational," she says. "It's not entirely genetics. It's the effects of lifelong minority status." ♦ Gavin was featured in a 2015 documentary film, "In Utero," which had its premier at the Seattle International Film Festival last

year. The movie explores how the prenatal environment, combined with maternal experiences across generations, affects human development, and can last a lifetime. ♦ A mother to twin boys, Gavin found that the filmmaker's questions dredged up personal worries. "As a researcher, you try to present the facts, produce the research and move on," she says. "But he got me to talk about my grandmother and my great-grandmother. It was really quite personal." ♦ Gavin was awarded a National Institute of Mental Health Dissertation Grant for her graduate work on depression and birth outcomes. Now she studies race, depression, pregnancy and socioeconomics. She is in the midst of several projects, including a proposed school-based study with 8- and 9-year-olds designed to minimize stress during early life. "If you can intervene in childhood," says Gavin, "maybe you can improve subsequent birth outcomes." ♦ Prenatal care can't mitigate the impact of stress on women's physiology and, by extension, their babies, says Gavin. "Nine months is too short a period to adequately deal with the health concerns and social conditions of women who are most at risk of delivering a preterm or low birth-weight baby." ♦ The timing of the film shows a growing awareness of how the mental and physical health of the mother, and even the grandmother, can affect the lifelong health of the child, she says. "But there's still much to do in untangling what it is about race that results in poor birth outcomes." ■

Story by **Deborah Bach** Photo by **Quinn Brown**



ON the RESEARCH TRACK

Jennifer Smith, '16, had been a high school dropout. Now, with the help of scholarships, the mother of three is combining her interests in history and horses with a passion for research.

JENNIFER SMITH took time off from high school. A lot of time. After dropping out in ninth grade to work with racehorses, she didn't return to finish her GED for 16 years. But once she did, she kept going. And going.

Community college was next, followed by transferring to the UW. Smith excelled in school, but what she really wanted was to find out where she belonged.

"Coming back as an older student, it can be hard to find a niche," says the mother of three. "I didn't have a lot in common with my classmates. We were at very different places in our lives." It didn't take long, though, for Smith to find her focus. Supported by a Mary Gates Research Scholarship and accepted into the Summer Institute in the Arts and Humanities, she was able to immerse herself in research. The program not only gave her the opportunity to develop a research idea, it also

By **Jamie Swenson**

taught her what was possible when she combined her growing interests in history, politics and Indigenous communities with what she knew best: horses.

In her years as an assistant racehorse trainer, Smith iced and bandaged horses' legs to prevent injuries, managed feeding and veterinary schedules, supervised barn employees and kept in constant contact with the lead trainers and owners. She and her children even adopted a former racehorse—a 17-hand dark bay gelding named Pirate.

So when it came time to choose a research topic, she says, "I found a great way to marry my past and my present." At the end of the summer of rigorous research, Smith had produced an analysis of a cross-cultural debate on managing populations of wild horses on Yakama tribal lands.

"After that," she says, "I wanted to continue doing research because it allowed me to combine what I learned in the classroom with something that was independent—and was mine."

Smith was able to dive deeper into her topic with the help of another Mary Gates Research Scholarship, a Comparative History of Ideas Research Scholarship and the History Department's Faye Wilson Scholarship, among others. Two more quarters of historical research and a quarter of independent study took her deep into the history of the Yakama Nation's relationship with the U.S. government. Into the tangled complexities of symbolism, environmental degradation and tribal sovereignty. Into a conflict in which the very animals she knew and loved were at the heart.

"To have other people see that there is value in me as an academic, in my research, has been wonderful."

The subject provoked mixed emotions and heartbreak, but for Smith, it was the complexity of her research that made her want to keep going. "Once I found this topic, I knew that I wanted to do as much as I could with it," she says.

In addition to easing her financial burdens, the scholarships she received reinforced Smith's belief in herself. "Because I didn't go through high school, I lack a lot of confidence at times," she says. "So to have other people see that there is value in me as an academic, in my research, has been wonderful."

Smith sought out opportunities to share her ideas—she presented at the National Conference on Undergraduate Research and twice at the UW's Undergraduate Research Symposium. As an Undergraduate Research Leader, she helped other students find ways to match their interests with research in the humanities and social sciences. "I just want students to know that their work is valuable and has the potential to earn funding and acknowledgment," she says.

Smith graduated in June with degrees in history and the comparative history of ideas, and was named the Dean's Medalist in the Humanities. This fall, she starts graduate studies at the UW in history. She looks forward to working with her adviser, Josh Reid, an associate professor of history and prominent Native scholar, as she continues to explore the topic she's most passionate about.

"I just hope that my work helps people better understand why things are the way they are and what needs to change," she says. "My goal isn't trying to speak for anybody, but finding the evidence, writing the story and letting the story speak for itself."



BRYAN DALBACON

Game On

The UW football team's goal is to "win the Pac-12 championship and the Rose Bowl with class, integrity and academic excellence." These words are mounted on the wall of the team room deep inside Husky Stadium. It's a serious place. It was here that I heard Coach Chris Petersen talk about developing a team built to win—with players built for life.

There are a lot of good football players out there. But Coach Pete wants to cultivate our kind of players. He starts with the individual: "Always call your mom (you can text your dad). Always have good manners. And always, always, work to be trusted."

And he builds to the team: "Be accountable to one another. Nothing great will be accomplished without a strong group work ethic."

Whether we are athletes, mathletes (like me), artists or engineers, at the UW we excel at doing things together. We attract and nurture our kind of Husky players in all disciplines. What wins our championships in the classroom, in the lab and on the field are our values, our collaborative nature and how we function as a team.

Take our response to concussions: UW neurosurgeon Samuel Browd huddled up with UW mechanical engineer Per Reinhall and entrepreneur Dave Marver. Together, they developed the world's finest impact-reduction football helmet and then spun it out as a company called VICIS. The Huskies are among a select group of NFL and NCAA teams who will be wearing this innovative helmet. Husky values—commitment to excellence, work ethic and team play—resulted in an ingenious, safer solution to a major problem. Touchdown!

This fall, teamwork takes on new meaning as we elevate our philanthropic game to a whole new level. On Oct. 21, thousands of the Husky faithful (that means YOU!) will fill Alaska Airlines Arena for **Together**: the celebration and public launch of the largest and most ambitious fundraising campaign in the history of the UW. It will take all of us.

Be there!

To learn more, visit uw.edu/together

—**JODI GREEN**, Chair, UW Foundation

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To learn more, email uwfdn@uw.edu or call 206-685-1980.



Out & About

Alumni and friends of the University of Washington

{ NAMES ARE LISTED LEFT TO RIGHT }

1 HONG KONG CONNECTIONS

UWAA Hong Kong President **Lui Tong**, '90, **David Mao**, '92, UW President **Ana Mari Cauce** and **Guiping Lu**, '98, '03, gather at a reception celebrating alumni and friends from Hong Kong.

2 COMMUNITY LEADERS

Former Odegaard Award recipients **Alan Sugiyama**, '84, and **Vivian Lee**, '58, '59, pose with U.S. District Court Judge **Richard A. Jones**, '75. The Odegaard Award was presented to Jones this year for his work in the community on behalf of diversity.

3 DISTINGUISHED ALUMNI

Current and former UW Regents **Joanne Harrell**, '76, '79, **Constance Proctor**, '78, **Rogelio Riojas**, '73, '75, '77, and **Herb Simon**, '65, and 2015–2016 Student Regent **Vanessa Kritzer** enjoy a reception before Riojas' lecture in Kane Hall on the impact of a public health education. In honor of Riojas' lifetime of work in public health, the School of Public Health recognized him as the 2016 Distinguished Alumnus.

4 FAMILY MATTERS

With the sun out and the cherry blossoms in full bloom, UW student **Alena Zurcher** and her mother, **Heather**, enjoy their time together at Parent Family Weekend.

5 HUSKIES IN JAPAN

UWAA Japan Board members **Shigeru Ishiko**, '88, **Stan Aoyama**, '83, and **Noriyuki Katayama**, '95, greet their fellow alumni and friends at a reception welcoming UW President Ana Mari Cauce.

6 LEADERSHIP BREAKFAST

Jodi McMaster, daughter and UW student **Cassie McMaster**, and grandmother **Millie Duprau** gather before Parent Family Weekend's Breakfast with Leadership, where Cassie was the student emcee.

7 PAST, PRESENT AND FUTURE

Longtime UW School of Pharmacy friend and supporter **Joan Nelson** attends the UW Symposium on Past, Present and Future of ADME Sciences with **William Atkins**, the Sid Nelson Endowed Professor of Medicinal Chemistry. The event was dedicated to former deans Sid Nelson and Tom Baillie.

8 ENGINEERS ACROSS GENERATIONS

Diamond Award honorees **Ben Hindman**, '07, **Peter Janicki**, '89, **Frank Jungers**, '47, **Louis Scharf**, '64, '66, '69, **Ron Crockett**, '61, and **Michael Garrison**, '99, share a moment at the College of Engineering's annual Diamond Awards event. The awards recognize alumni for significant contributions to the field of engineering.

9 SOCIAL WORK SCHOLARS

School of Social Work MSW graduate **Raymonda Reese**, '16, UW Vice President for Innovation Strategy and keynote speaker **Vikram Jandhyala**, and School of Social Work Dean **Edwina Uehara** celebrate scholarship recipients at the School of Social Work's annual scholarship breakfast.

10 COAST-TO-COAST TRADITION

Tova Perlow, '04, **Danica You-Hamilton**, '04, **Shannon O'Grady**, '07, and **Erica Broadwell**, '06, enjoy the 43rd Annual New York Salmon BBQ, where they heard from guest speaker Jennifer Cohen, UW athletic director.



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MAGGIE AND DOUG WALKER

2016 GATES VOLUNTEER SERVICE AWARD RECIPIENTS

Taking the UW to New Heights

Two weeks after they got married in 1972, Maggie and Doug Walker packed up their car and drove from Greenville, South Carolina, to Seattle. They came for adventure and for school—Doug, for graduate studies in mathematics, and Maggie, for bachelor's degrees in history and communication.

Their student days at the UW were the foundation of a decades-long history of generosity and leadership—a history of inspiration, collaboration and transformation across disciplines.

“Life is about the synergy of all things,” says Maggie. “The beauty of the UW is it’s all actually here.”

In recognition of the Walkers’ tremendous impact, the UW Foundation has honored them with the 2016 Gates Volunteer Service Award, given annually to individuals who demonstrate a deep commitment to the University through their long-term philanthropy and volunteer leadership.

True to Maggie’s broad range of interests, she has served on boards across the UW, and on committees for all the University’s major campaigns. She remains deeply involved with numerous schools and colleges, and as a director of the UW Foundation Board.

While Doug enjoyed a long, fruitful career at WRQ, a software firm he co-founded, he remained an ardent philanthropist and advocate for access to the outdoors and to education.

Tragically, Doug passed away at the beginning of this year. He was a veteran climber with countless summits under his belt. But although he stood atop many mountains, just as important to him were the people he took along with him.

Doug’s passion for helping others stretched beyond the trail and into the community, dovetailing with the drive and vision of Maggie. Together, they achieved some of their most impactful work at the University. From their creation of eight endowments in the College of Arts & Sciences to their instrumental leadership role in establishing the College of the Environment, they brought members of the UW community together—and raised it to new heights.

“There are so many different things that the University is in a position to provide,” says Maggie. “But the synergy between them is a very important part—not just the pieces.”

New In Print

FROM UW PRESS ➤

The City Is More Than Human: An Animal History of Seattle

By Frederick L. Brown

A history of Seattle told through animals. Creatures have played a vital role in shaping the city from its founding amid existing Indigenous villages in the mid-nineteenth century, to the livestock-friendly settlements of the late nineteenth century, and the pet-friendly, livestock-averse modern city. Brown, who holds a Ph.D. in history from the UW, works as a contract historian for the National Park Service.



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FROM UW PRESS ➤

Looking for Betty MacDonald: The Egg, the Plague, Mrs. Piggle-Wiggle, and I

By Paula Becker

This first biography of the sharp-tongued Northwest storyteller Betty Bard MacDonald (1907-1958) reveals the story behind the memoirs and the difference between the real woman and her literary persona.

uw.edu/press

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May 3-7, 2017 Louisville, Ky.

On the first Saturday in May, 150,000 visitors gather at Churchill Downs in Louisville for one of the most anticipated sporting events of the year—the Kentucky Derby. You can be part of the first leg of the American Triple Crown and be part of the “most exciting two minutes in sports.” UWalum.com/tours



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Chamber Dance Company
October 13-16
Meany Hall

Dance

Mark Morris Dance Group with The Silk Road Ensemble

October 6-8
Meany Hall

This original dance and live music production, "Layla and Majnun," will explore the themes of love, madness and mysticism through Mark Morris' lyrical choreography, the vibrant musicality of The Silk Road Ensemble and the striking visual palette of British painter Howard Hodgkin.

Chamber Dance Company

October 13-16
Meany Hall

Members of the Chamber Dance Company perform works from the first decade of the historic Judson Dance Theater, an ensemble that embraced values including freedom, diversity and democracy along with an interest in pedestrian movement, props and the use of alternative performance spaces.

Jessica Lang Dance

November 10-12
Meany Hall

Hailed as "a master of visual composition" by Dance Magazine, Jessica Lang, the recipient of a 2014 Bessie Award, seamlessly incorporates striking design elements and transforms classical ballet language into artfully crafted, emotionally engaging contemporary works.

Drama

Iphigenia and Other Daughters

October 21-30
Penthouse Theatre

This three-play cycle follows the children of Clytemnestra and Agamemnon as they become both players in the family tragedy and victims of it. The cycle of blood and vengeance seems inescapable until the final reunion of a lost sister and brother brings the bloody family saga to its mystical and unlikely end.

Fucking A

December 2-11
Meany Studio Theatre

Suzan-Lori Parks' haunting adaptation of "The Scarlet Letter" turns Nathaniel Hawthorne's tale of an exiled adulteress into the tragic story of Hester Smith. "Fucking A" is a scream of rage at the plight of those on the margins of society.

Music

Heath Quartet

October 27
Meany Hall

The multi-award-winning Heath Quartet, based in the United Kingdom, performs music by Haydn, Dvořák and Tippett as part of the Meany Center for the Performing Arts' International Chamber Music Series.

Mariza

November 1
Meany Hall

One of world music's most widely acclaimed stars, Mariza returns to Meany Hall with her bewitching renditions of fado—the haunting torch songs of old Portugal.

Joyce Yang

November 3
Meany Hall

South Korean pianist Joyce Yang captivates audiences across the globe performing works by Scarlatti, Debussy, Ginastera and more.

Imani Winds

November 15
Meany Hall

North America's premier wind quintet, the Grammy-nominated Imani Winds has carved out a distinct presence in the classical music world with its dynamic playing, adventurous collaborations and inspirational youth-outreach programs.

Art and Exhibits

MOTHA and **Chris E. Vargas present: Trans Hirstory in 99 Objects Through June 2017**
Henry Art Gallery

An exhibition organized by the Museum of Transgender Hirstory & Art, 99 Objects gathers archival materials and works by contemporary artists that narrate the history of transgender communities.

W UWAA members receive a benefit | find out more: UWALUM.COM/MEMBERSHIP

An aerial, black and white photograph of a group of people sitting on a lawn. A large, semi-transparent green circle is superimposed over the center of the group, partially obscuring the people. The people are scattered around the circle, some sitting on the grass, others on a paved path. The Starbucks logo is visible in the top right corner.

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Association News



More Glory for “The Boys in the Boat”

Daniel James Brown wrote the wildly successful 2013 book “The Boys in the Boat,” which chronicles the story of the UW men’s crew that overcame monumental odds to win the gold medal at the 1936 Berlin Olympics. He was honored at a July 26 screening of the PBS American Experience documentary “The Boys of ’36” at Meany Hall. Above, UW Alumni Association Executive Director Paul Rucker, ’95, ’02, left, and former Gov. Dan Evans, ’48, ’49, right, pay tribute to Brown for bringing long-overdue recognition to the kids from hardscrabble backgrounds who, under the guidance of coach Al Ulbrickson, stunned the world with their victory in front of a highly partisan crowd including Adolf Hitler. More than 1,000 UWAA life members and KCTS-9 supporters attended the screening and panel discussion that featured legendary UW rowers and coaches.

UWAA Events not to Miss!

Dawg Dash

For more than 30 years, this annual tradition has endeared itself to Dawgs of all ages. This year’s edition, on October 23, is presented by Alaska Airlines. It will offer a family fun zone, Post-Dash Bash and a few other surprises. dawgdash.com/seattle

Learn. And no homework!

Enjoy the intellectual rigor of the lecture hall without all those pesky assignments. Inquisitive alumni and friends are invited to take advantage of lecture topics from equity environmentalism to young adult fiction. uwalum.com/lectures.

Online Networking Made Easy

For an undergrad attempting to navigate the job-search circuit, one word instills dread: networking. Enter Huskies@Work, a one-day job-shadowing program produced by the UWAA. Here’s your chance to volunteer and share your workplace with a student. uwalum.com/huskies@work

Mini-skirts, Beatlemania, Log Rolling

The Class of 1966 returns to campus for its 50th reunion this year, and preparations for the get-together have included some in-depth Tyee research. One that jumped out was the page 23 spread on Garb Day, the Forest Club’s traditional celebration of logging, complete with tests of skill and feats of strength and capped by the brilliantly monickered Logger’s Brawl. It was an event that almost didn’t happen. In the fall of 1966, the Forest Club was nearly broke. Ben Harrison, ’66, came up with the idea of a Christmas tree sale to raise some money for the group and spread a little holiday cheer. Permission was granted from the Forest Service to cut down some trees and a new tradition was born. This year will mark the 50th anniversary of the tree sale. What’s your 1966 story? Share your memory by contacting the UWAA at 206-543-0540. uwalum.com/reunion.

Union Bay Kids

Continued from page 39

Village in December and lived in the six-unit building on the N.E. 45th Street side.

My mother said: “You had to have two kids to qualify for Union Bay Village. With Judy almost 2 and you on the way, we made the cut.

“The first thing the guys did was close in the ends of the space between those two buildings, to keep the kids contained. That made a big rectangle of grass—well, eventually it was grass—with the sidewalks for them to ride trikes on. Every two buildings had a courtyard like that, there were dozens of them. The 12 families who shared our court had 26 children between them. The oldest was 5. The next oldest was 4.

“We built playground equipment for the kids. Climbing bars out of a couple of ladders. A sandbox. One day I saw an ad in the newspaper for a slide painted like a giraffe with its neck down to the ground. We went and saw it, and I bought it, and Joe put it together.

“It was a very exciting period. The fellows were doing so well, charging ahead. That thing about the kids running, they thought that was what all daddies did. They took the bus to school and then came home with their books and studied.”

The Village was something out of a Frank Capra movie, democracy in a nutshell. In six months, they had elected a mayor and a village council and were writing a constitution. The council met in councilmen’s homes, and debate on the issues sometimes might have to wait until the mayor finished drying the dishes. But within a year, they had established a dairy co-op with milk deliveries, they had a co-op nursery, and they were working with the infant UW School of Medicine to establish what would now be called a well-baby clinic.

Their debates showed how their experiences had marked them. Setting up the dairy co-op, they focused on saving money, yes, but purposefully set their prices high enough to pay the milkman a union wage. A villager who said he was “sold” on co-ops from experience gave a more subtle reason:

“More important than the money is that we’re going to build up some kind of co-op sometime. Most of you boys have been through hell and unless we start doing some cooperating with people from all over, we’re going to have to go through it all again.”

They had debated mud—the whole first winter the UW had three men ditching and draining full time in the village and another three on call for water main breaks and the building subsidence that came with the swampy ground—and they haggled about peddlers and garbage collection and stoplights. Democracy in a nutshell.

The contrast with the upper campus was stark. Students straight out of high school were still concerned with Tolo dances, Homecoming, and Garb Week at the Forestry School, where the guys grew beards and wore plaid shirts and tin pants. Down in the Village, there were ads thumbtacked on the bulletin board for artificial limb repair, and the interim mayor had to step down because of class load and recurring malaria.

“Few of the families had relatives in the area,” said my mother. “None of us knew anything about being a parent, so we learned from each other. The mothers set up a schedule: three mothers out, three inside getting some work done. When the wind was from the south, smoke from the dump would threaten the laundry. All the men wore white shirts and ties, so there was a lot of laundry.

“We relied on each other and made strong friendships. Two couples, Don and Jean Scott and John and Mary Davies, lived in the same building. They bought a portable mangle together for all the ironing. We became close friends with them. We were gone for 16 years, but when we moved back to Seattle, we picked up with them just where we left off.”

The mangle and the play equipment weren’t their only communal activities. The families around that courtyard would save up, and once

a month they’d have a keg of beer. The guys played softball. Once there was a heavy snowfall, and they built a giant snowman together.

“One day there was an earthquake. I grabbed you out of your crib and went outside, because I thought that was what you were supposed to do. Just getting down the three steps to the ground was hard. At the end of the buildings, the phone poles were whipping like mad. But Joe made some money out of it. His brother-in-law, Frank Guffy, was a painting contractor with a contract with Shell Oil. He had a shed on south Queen Anne Hill, and the quake caused a terrible mess. He hired Joe to help clean it up.

“Money was always tight. We were lucky that Joe’s parents lived in Kirkland. Joe’s father had a big garden and brought us lots of produce he’d grown, and they took us shopping once a week for cold cuts and good bread for Joe’s lunches. His mother made clothes for the children. They were a great help.

“Joe worked a lot. All the guys did, if they could. It was so hard to get by. Joe’s benefits under Public Law 16 were \$116 a month. If we could make it to \$200, we’d be OK. So he hustled whatever he could. He built toys for the nursery school co-op. He remodeled houses. He set up a cleaning business on the Ave with another guy doing offices, eventually hired others to work for them.”

Joseph Kahle graduated in three years. In fall 1949, he moved our family to Berkeley, where he earned a master’s of social work. He worked in that field for 30 years, finally retiring as executive director



The author, Peter Kahle, sits with his sister Judy in a wagon. His father Joseph, in the white suit, mother Hilda, and other family members stand behind them.

of Family Counseling Services of Seattle. He died in 2009, and left his brain to the Medical School as part of a research project for which he had volunteered.

The temporary wartime housing that was Union Bay Village lasted until 1981. Then aged and sagging, it was torn down and replaced by Laurel Court, closer to the main campus.

A swamp, a dump, a landfill. Now it is a driving range and a Youth Garden, and Ceramic and Metal Arts. Part of the main street, Union Bay Place, has been renamed for Mary Gates. The place never looked like a launching pad. But there was a time when men and women grew wings there. There was a time when the kids screamed “Daddy!” That’s when it was called Union Bay Village.

How many of us are there left, the Union Bay Village kids? We will carry that name, those three words, with us while memory endures.

■—In the UW Tower, C2 Mailing Services employee Peter Kahle is known as the Bard in the Basement, because he works in the basement and he directs an annual flash-mob production of “A Midsummer Night’s Dream” in the cafeteria.



The 1930s

Marjory H. Devers
'36 | Seattle, age 103, April 2.

Florence L. Squier
'39 | Seattle, age 98, April 14.

The 1940s

Lisbeth Juel
'40 | Bothell, age 99, May 3.

Betty F. Luther
'41 | Federal Way, age 98, June 22.

Agnes S. Anstett
'43 | Kirkland, age 94, April 17.

Shirley Daniel
'43 | Seattle, age 94, April 29.

Jean I. Seeley,
'44, '46 | Bainbridge Island, age 94, May 11

Donald H. Dehn
'45, '47 | Des Moines, age 91, May 27.

Pauline R. Christy
'47 | Lake Forest Park, age 92, May 20.

Jean A. Daly
'47 | Portland, Ore., age 90, April 9.

TO REPORT AN OBITUARY

columns@uw.edu —or write to:
Columns Magazine
Campus Box 354989
Seattle, WA 98195-4989

Jacqueline Davenport
'47 | Bainbridge Island, age 95, April 14.

Marilyn Anderson
'48 | Eastsound, age 89, April 22.

Morgan L. Bartlett Sr.
'48 | Stanwood, age 95, April 25.

Phyllis A. Frol,
'48 | Seattle, age 90, May 17.

William L. Gorman
'48 | Seattle, age 94, June 8.

William J. Powers
'48 | Seattle, age 95, April 1.

Jane M. Ross
'48 | Seattle, age 90, March 30.

Kathleen S. Smart
'48 | Seattle, age 93, March 1.

Kenneth D. Christensen
'49 | Redmond, age 92, May 6.

James R. Milam
'49 | Seattle, age 94, May 6.

Jean M. Paeth
'49 | Vancouver, Wash., age 92, April 3.

The 1950s

Norman J. Lurie
'50 | Scottsdale, Ariz., age 87, April 7.

Samuel E. Prather
'50 | Sun City West, Ariz., age 90, Feb. 1.

Jacqueline A. Rosenkrantz
'50 | Aberdeen, age 87, May 17.

Leroy W. Soper
'50 | Seattle, age 91, Feb. 2.

Solveig Thomson
'50, '69, | Issaquah, age 87, June 2.

Howard S. Anderson
'51 | Point No Point, age 91, May 14.

Gilbert G. Eade
'51 | Beaverton, Ore., age 90, May 21.

Igor M. Gladstone Sr.
'51, '55 | Woodinville, age 87, Feb. 6.

George Hirschhorn
'51 | Seattle, age 93, May 29.

Irvin F. Matson
'51 | Seattle, age 86, April 26.

Florence H. Tomita
'51 | Seattle, age 87, May 6.

Herbert B. Breivik
'52 | Kent, age 86, April 26.

John A. Doty
'52 | Seattle, age 87, May 23.

Robert V. Erickson
'52, '56 | Salt Lake City, age 85, March 25.

Kenneth A. Helms
'52 | Seattle, age 86, June 8.

Robert H. Kemp
'52 | Scottsdale, Ariz., age 92, Jan. 26.

Glenn L. Pomerenk
'52 | Redmond, age 88, April 20.

Eleanor F. Ross
'52 | Kirkland, age 85, May 28.

Robert H. Lorentzen
'53 | Seattle, age 85, May 25.

Howard D. Pitts
'53 | Marysville, age 92, May 3.

Dwain F. Hogan
'54 | Burien, age 86, May 29.

Leopold M. Karpeles
'54 | Annapolis, Md., age 95, April 26.

Van L. Lowry
'55 | Des Moines, age 86, March 29.

Ellen C. Pan
'55 | Seattle, age 86, June 4.

Barbara A. Carey
'56 | Seattle, age 80, July 1, 2014.

Mary C. Comfort
'56 | Essex Meadows, Conn., age 81, May 21.

William C. Ellis
'56 | Tacoma, age 87, May 3.

Daniel A. Decker
'57 | Bellevue, age 84, June 6.

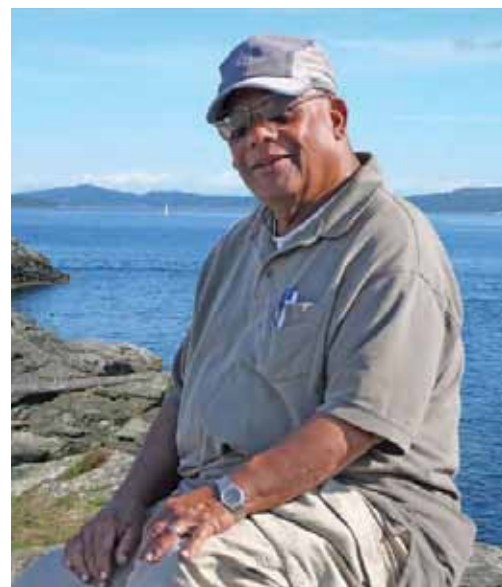
Joan E. Cox
'58 | Tonasket, age 80, June 13.

Donald P. Marinkovich
'59 | Edmonds, age 84, June 6.

Edward Miles

1939–2016

In his 36 years at the UW, Edward Miles, Bloedel professor emeritus of marine and public affairs, helped make the University a leader in climate change research. He created the UW Climate Impacts Group, and in 2003, he was inducted into the National Academy of Sciences—one of the few individuals without a science degree to be so honored. “Ed was fearless about working across disciplines—a marine and climate scientist with a doctorate in international relations; a professor who sparked passion for ocean conservation and climate resilience in countless students,” says Peter Frumhoff, director of science and policy at the Union of Concerned Scientists. Miles died in Seattle on May 7. He was 76.



COURTESY ADRIENNE KARPOV

J. Graham Pierson

'59 | Seabeck, age 83, Feb. 28.

Norman A. Seaholm Sr.

'59 | Grass Range, Mont., age 83, June 22.

The 1960s

George M. Chatalas

'60, '64 | Tucson, Ariz., age 78, March 31.

Ralph F. Kamm

'61 | Maui, Hawaii, age 84, March 26.

John F. Banks

'62 | Edmonds, age 76, May 28.

George P. Brace

'62 | Palm Desert, Calif., age 75, May 4.

Gerald Garman

'62 | Seattle, age 77, June 15.

Deanna D. Magley

'62 | Friday Harbor, age 74, Oct. 2.

Philip L. Carter

'63 | Kirkland, age 74, June 20.

Charles R. Davis

'63 | Snohomish, age 79, April 5.

Bruce G. Dykes

'63 | Olympia, age 78, March 31.

Rosalie A. Gillman

'63 | Seattle, age 92, June 2.

Robert Magley

'63 | Friday Harbor, age 74, April 13.

Richard A. Ramsey

'63 | Mount Vernon, age 77, March 24.

Frank S. Wallace

'63 | Sun City West, Ariz., age 76, March 16.

David M. Ahlers

'64 | Ithica, N.Y., age 78, March 28.

Jamie Parsons

'64 | Mercer Island, age 74, Dec. 26.

William H. Reese

'64 | Redmond, age 88, June 14.

Charles R. Davis

'65 | Snohomish, age 79, April 5.

George E. Frasier

'65 | Palm Desert, Calif., age 73, Feb. 7.

D. McKay Snow

'65 | Snohomish, age 78, March 27.

David E. Wyman

'65 | Seattle, age 71, June 18.

Richard C. Rautenberg

'66 | Lynnwood, age 76, Feb. 27.

Diane J. Criez

'67 | Kirkland, age 88, May 11.

Lee H. Brown

'67, '72 | Seattle, age 70, May 26.

Florence Lindstrom

'67 | Seattle, age 84, April 20.

Mary F. Koehler

'68 | Seattle, age 82, April 26.

Ruth W. Anderson

'69 | Seattle, age 92, May 22.

Barbara M. Keith

'69 | Stockton, Calif., age 82, May 26.

William F. Orme

'69 | Juneau, Alaska, age 80, Aug. 9.

Mary E. Polikowsky

'69 | Edmonds, age 77, Jan. 21.

The 1970s

Allen J. Boeker

'70 | Issaquah, age 78, June 11.

Katherine M. Desgrosellier

'70, '73 | Seattle, age 87, April 10.

Robert T. Wuotila

'70 | Burien, age 69, Feb. 6.

James M. Alexander

'71 | Olalla, age 87, June 10.

Sybil T. Beale

'71 | Portland, Ore., age 90, April 7.

Eva Bor

'71 | Prague, Czech Republic, age 88, May 28.

John Hardwick

'71 | Seattle, age 69, April 30.

Dorothee E. Hayman

'71 | Big Rapids, Mich., age 92, March 23.

Lawrence D. Grouse

'72, '73 | Gig Harbor, age 69, June 10.

Robert S. Searle

'72 | Federal Way, age 69, March 2.

Melvin R. Mathena

'73 | Kent, age 65, June 12.

David R. Hamro

'74 | Seattle, age 79, May 28.

Paul W. Bocek

'75 | Seattle, age 65, May 23.

Julie A. Saltness

'75 | Renton, age 62, April 15.

Don Schuman

'75 | Seattle, age 68, May 5.

Roxane M. Botz

'76 | Edmonds, age 65, May 7.

Glenda T. Berg

'78, '83 | Des Moines, age 72, Jan. 6.

Lucilia M. Duran-Roff

'78 | Edmonds, age 60, April 2.

Geoffrey H. Getchman Jr.

'78 | Normandy Park, age 66, April 2.

Stephen L. Schipper

'78 | Vashon Island, age 62, March 2.

The 1980s

Claudia L. Haglund

'81, '90 | Shoreline, age 66, March 31.

Joan Matheson

'81 | Seattle, age 64, May 31.

Ronald M. Sickles

'81 | Seattle, age 81, April 24.

Steven C. Aleinikoff

'83, '87 | Seattle, age 55, April 16.

Ronald R. Boucher Jr.

'88 | Sammamish, age 50, March 25.

The 1990s

Barbara J. Logan

'90 | Seattle, age 73, April 26.

Carl H. Robertson

'94 | Edmonds, age 67, April 17.

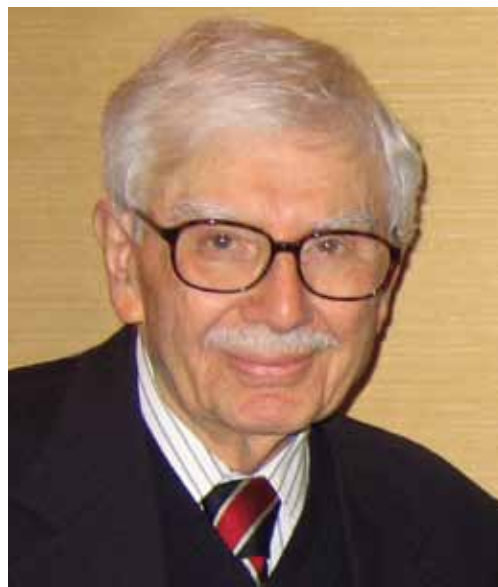
Kimberly A. Williams

'94 | Juneau, Alaska, age 56, May 26.

Farhat Ziadeh

1917–2016

Farhat Ziadeh, who founded the Department of Near Eastern Languages and Civilization and the Middle East Center in the Henry M. Jackson School of International Studies, was a giant in his field. A native of Ramallah, Palestine, he was an Islamic law scholar who taught at Princeton University for 16 years before coming to the UW in 1966. He later served as director of the Center for Arabic Study Abroad, a consortium of 18 American universities that trained students and faculty at the American University in Cairo. Ziadeh, who retired from the UW in 1987, was married for 67 years to Suad Salem Ziadeh, with whom he raised five daughters. He died June 8 in Seattle at age 99.



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AUTUMN 2016

W

Dennis G. Hrebec

'95, '01 | Dallas, Texas, age 64, Dec. 21.

Casimir A. Rice

'97, '07 | Everett, age 52, June 2.

The 2000s

Bryan R. Bushley

'02, '03 | Seattle, age 45, June 7.

Laura A. Lenss

'05 | Seattle, age 38, June 15.

The 2010s

Jane R. Hunt

'11 | Seattle, age 57, May 15.

Faculty & Friends

Gerald D. Allen was a faculty member in the School of Medicine's Department of Anesthesiology from 1962 to 1972. He died in Solana Beach, Calif., on Jan. 6 at the age of 92.

Ruth N. Boyd spent 25 years on the staff of the Center on Human Health and Disability. Quick-witted and generous, she always made time for friends and family. Boyd died May 31 in Seattle at age 92.

David P. Christie was a radiologist at UW Medical Center and Harborview Medical Center. He continued to work part time until he was 94. Quick with a story or a passage

from Shakespeare, Christie died Feb. 19 in Seattle at age 95.

Ethel L. Clarke, '76, '85, spent her life as a public school teacher, principal and adjunct professor at the UW and at Western Washington University. She loved attending the Shakespearean Festival in Ashland, Ore. Clarke died June 13 in Seattle at age 75.

Daniel J. Dailey was a professor of electrical engineering who founded the UW's Intelligent Transportation Systems Lab. A fan of kayaking, biking and science fiction, he died March 28 in Falls Church, Va. He was 60.

James A. Donaldson became chair of the Department of Otolaryngology in 1965. He enjoyed designing and making things, including one of the first commercial ear tubes. He also loved doughnuts and was nuts about peanut cake topped with peanut frosting and (what else?) peanuts. Donaldson died March 20 in Redmond at age 86.

Richard Duncan, '69, '73, was a professor in electrical engineering and a fierce environmentalist. He was well known for walking around his North Admiral neighborhood with his signature trekking poles. Duncan died March 12 in Seattle at age 83.

Erselle Eade, '71, was president of the King County Medical Society Auxiliary and served as the mayor of Hunts Point for 11 years. She died June 3, not even two weeks after her husband Gilbert died. She was 94.

Allen E. Elijah Sr. served as chief electrical engineer at the UW Facilities Department for many years. An accomplished woodcarver and bow-and-arrow hunter, he thought, "Life should be a simple but satisfying experience."

John Keating

1937–2016

Like a winding river, John P. Keating's life took some unusual turns. The San Francisco native was a star first baseman and pitcher in high school who turned down an offer from the Cincinnati Reds to become a Jesuit priest. He left the order in 1969 to marry his wife, Pam. Three years later, Keating joined the UW psychology faculty. He served on the University's Indian Studies committee, which helped create the Department of Ethnic Studies. In 1990, he became the first dean and vice provost of the new UW Bothell and UW Tacoma campuses. Keating—the first in his family to attend college—went on to be president of the University of Wisconsin-Parkside. Keating died May 10 at age 88.



Elijah died March 31 in Monroe at age 90.

Ray Fenner was an orthopedic surgeon and clinical professor who liked to gather with friends to enjoy a glass of wine or coffee and doughnuts. Fenner died April 30 in Seattle at age 81.

Patricia Fischbach, a longtime member of the UW Alumni Association, was the wife of David B. Fischbach, professor of materials science and engineering. She hosted students from all over the world and loved to travel. She died March 22 in Bellevue at age 89.

Martin Friedman, '47, transformed the Walker Art Center in Minneapolis from a sleepy local museum into a famous setting for the arts. He once told Newsweek, "My policy was to make it up as I went along." Friedman died May 9 in New York at age 90.

Victor O. Gray, '51, was a former director of the Applied Physics Lab as well as a lecturer in the College of Engineering. He worked on the Mercer Island Floating Bridge, the SR 520 Bridge revision and many UW buildings. He died May 9 in Seattle at age 89.

Opal I. Hicks worked in the Department of Speech and Hearing Sciences for 45 years. A charter member of the Seattle chapter of Sweet Adelines International, she loved travel and ballroom dancing. Hicks died Feb. 13 at the age of 92.

Earl B. Hunt was a renowned psychologist who specialized in the study of human and artificial intelligence. He spent most of his career at the UW, where he co-founded the Department of Computer Science and served as chair of the psychology department for eight years. Hunt died April 12 in Seattle at age 83.

Arthur R. Kruckeberg served as chair of the botany department from 1971 to 1977. His book "The Natural History of Puget Sound Country" was one of the most influential, popular works about Western Washington. He also donated a beautiful botanic garden to the city of Shoreline. Kruckeberg died May 31 in Seattle at age 96.

Gladys E. Lang, '42, was a professor of communication, political science and sociology. She also served in World War II with the Office of Strategic Services—the forerunner of the CIA—in England and Italy. Lang died March 23 in Cambridge, Mass., at age 96.

Kenneth M. McCaffree taught economics at the UW for 32 years. He was a nationally recognized health economist who served on the Health Services Industry Advisory Committee. McCaffree died May 13 in Everett at age 96.

Patrick A. Murphy, '66, had a 35-year career with UW Medicine as director of operations. He especially enjoyed spending

time with his grandsons. Murphy died May 27 in Brier at age 77.

Ronald L. Nielsen became an executive in the UW's Department of Printing. He loved to fish, garden and have a cup of joe with friends. Nielsen died April 26 in Seattle at age 81.

Robert T. Paine was a giant in the field of ecology, most famous for coining the concept of the "keystone species" based on his research on the relationship between a starfish and a mussel. In a landmark paper written in 1966, he explained how top predators actually help maintain the biodiversity of an ecosystem. Paine died June 11 in Seattle at age 83.

Anabel M. Reif worked in Suzzallo Library. She also assisted Hmong refugees and volunteered in public school libraries. Reif died March 14 in Seattle at age 95.

Edward A. Stern, a world-renowned UW physicist, was considered the father of X-ray absorption fine structure spectroscopy. In the 1970s, he worked to free scientists from the Soviet Union. He died in Seattle May 17 at age 85.

Lucile P. Townsend, '74, spent 25 years as a caseworker for Children's Protective Services and then taught at the UW for 15 years. She

was an avid outdoorswoman and a lover of books and poetry. Townsend died Dec. 6 in Seattle at age 79.

Myron E. Warnick, '58, was a professor of dentistry whose passion was teaching and mentoring dental students, which he did for 52 years. Warnick died May 26 in Issaquah at age 82.

John T. Wilson Jr. was a professor emeritus of public health. From 1974 to 1980, he was chair of the Department of Environmental Health. A distinguished alumnus of Howard University, he died March 5 in Seattle at the age of 91.

Peter M. Winter joined the Department of Anesthesiology in 1969. He loved mountaineering and even trekked to Mount Everest base camp. Winter died May 14 in Issaquah at age 81.

Ronald E. Woods served as a Diplomat in Residence at the UW in 1992 and stayed on as an adjunct professor at the Evans School of Public Policy and Governance and the Henry M. Jackson School of International Studies. During his foreign-service career, he served as chief of staff to Henry Kissinger. Woods died April 15 in Seattle at age 77.

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