

COLLUMNS

THE UNIVERSITY OF WASHINGTON MAGAZINE DEC 13



RYAN LEWIS

**MUSIC BIZ REVOLUTIONARY
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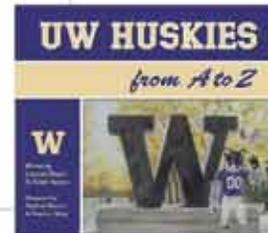


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Wrap up what critics are calling "a fun and foundational text on all things Husky". This hardcover is chockful of UW facts, colorful illustrations and stunning photos.
greenbeaniebooks.com



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Experience the historic and exciting night of the Return to Montlake. Blakeway Panorama captures the fan fervor in this beautiful panorama of the renovated stadium that the Huskies call home.
panoramas.com

Me



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Reimagining

by Jon Marmor

Sheepishly, I have to admit that while I knew of the College of Arts and Sciences' Comparative History of Ideas (CHID) program, I wasn't very familiar with it. For the record, it teaches students how to be critical thinkers.

Naturally, the first question that occurred to me was: What do you do with a CHID degree? The answer is just about anything. CHID graduates work as teachers, interior designers, personal trainers, potters, librarians, musicians, dentists, social workers and museum curators, among other things. "The possibilities for what you can do with a CHID major," I was told, "is limited only by your imagination."

It should come as no surprise, then, that a 2009 CHID graduate makes up half of one of the hottest names in hip-hop music today: the local tandem of Macklemore and Ryan Lewis. Although he gets second billing, Lewis, 25, has helped play a major role in how the duo turned the music business model upside down.



ANIL KAPARI

They achieved stunning success without the help of a major record label or an agent, for that matter. Instead, working on their own, they developed a vast and fiercely loyal fan base online that propelled their debut album, *The Heist*, to No. 1 on the iTunes albums chart within hours of its October 2012 release (78,000 units sold in the first week). It also entered the *Billboard* 200 chart at No. 2.

This example of ingenuity and innovation caught the attention of everyone in the music business because of the way Lewis and Macklemore avoid middlemen and guide their efforts the way they want. "We both have a strong sense

of marketing and promotion," Lewis told Associate Editor Paul Fontana during an interview for our cover story, which begins on page 14. "Aside from the music, we like to figure out how to make excitement."

Innovation is something the UW is known for, and not just in medicine and the hard sciences. Those advances—kidney dialysis, Hepatitis B vaccine, ceramic tiles for the Space Shuttle, for instance—are stunning. But equally amazing are the new ideas being infused into the arts and humanities by our alumni. And Lewis' achievements, which range far beyond the musical beats and production skills he brings to his current work, are revolutionary.

Now that sounds like a critical thinker in action.

— EDITOR —

Sacred Ground

Before several hundred onlookers including tribal leaders, students, alumni and UW administrators, the group Southern Plains performs "Victory Song" at the Oct. 25 groundbreaking ceremony for the Intellectual House. Forty years in the making, it will provide Native American students and the community a place to come together in a supportive environment. Performing, left to right: Joseph Martin, '90, COMANCHE NATION; Harold Belmont Jr., SUQUAMISH, STOLO AND FILIPINO; Ross Braine, '09, APSAALOOKE NATION, UW TRIBAL LIAISON; Grant Timentwa, '97, COLVILLE NATION; Deyo Esquivel, MOHAWK; Leon Rattler, BLACKFEET NATION; and Larry Ground, BLACKFEET NATION.

Find these stories at UWalum.com/columns

Giving in Style

A gung-ho Husky couple shows its school spirit by mentoring athletes and supporting academics

Distinguished Veteran

Charles Matthaehi survived a kamikaze hit and witnessed Japan's surrender in World War II.

Ryan Lewis was photographed for the cover at his Seattle studio by Zoe Rain on Aug. 20, 2013.



[COVER STORY]

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Ryan Lewis is topping the charts on his own terms

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Planting the seed to learn in K-12

THE UNIVERSITY OF WASHINGTON ALUMNI MAGAZINE | December 2013

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PHOTO BY KAREN ORDERS

“ I found myself confused as to why UW administration openly supported the war protests but only reluctantly supported those who served. ”

Overdue Honor

✉ I find [Veterans Appreciation Week] refreshing and long overdue. To those responsible for this event, I say: bravo! When I was first on campus as a student in 1969, the military was definitely *persona non grata*. Having just been honorably discharged from the Marine Corps, I found myself confused as to why UW administration openly supported the war protests but only reluctantly supported those who served. None of us caused the “Viet Nam Conflict.” Most of us did not choose to go to battle, but whether we were drafted or volunteered, we all took an oath to protect the Constitution and defend our nation, state and university from harm. I totally disagreed with the manner in which the war protestors of that time overran our campus, trashed the grounds with litter, urinated on and bombed the R.O.T.C. Building. I did, however, support their right to openly protest and I joined in rallies to listen to the speakers. I also engaged in many political conversations about the war with fellow students. [For many years], I decided to stop my donations to the Alumni Association and the UW. I will now reconsider that decision and perhaps resume giving back to the University a token of what I received: A well-rounded education that led to a long and successful career in construction management.

JERRY FREE, '78
VANCOUVER, WASH.

Another Boy in the Boat

✉ I was thrilled to read *The Boys in the Boat* by Daniel James Brown (*Riveting Rowers, June*). I recall my time in a shell on Lake Washington in 1946 when [Al] Ulbrickson coached us when we were seniors. I recall the exhilarating feeling of skimming over the smooth surface of Lake Washington in our shell. It was a grand experience for all of us, and it was great to see pictures in the book of the old crew building and crew members of the 1936 gold medal winners in Germany. There is a retired racing shell hanging from the ceiling of a sports bar restaurant behind the River Haven motel in East Wenatchee.

On its bow, the name “Al Ulbrickson” is neatly printed in gold. The construction of the boat appears to be one that George Pocock made, with the beautiful red cedar that he used.

NELSON T. HALL JR., '46
EAST WENATCHEE

Grazie, Astra Zarina

✉ Before there was a Rome Center (*In the Heart of Rome, September*), there was Professor Astra Zarina’s apartment in the Centro Storico of that city, where her architecture students feasted upon her generosity and dedication as a teacher and as a woman of great grace and culture. We were privileged to be among Astra’s Rome program students in the fall of 1977 and remain ever grateful for that experience.

KRISTINA BAK, '80, JOHN KVAPIL, '81
BEND, ORE.

Stadium Stories

✉ I took my son to his first Husky football game back in 1997 when the Huskies played USC in what would be one of John Robinson’s last games. My son is gone now, but I will always cherish that memory of him singing the Husky fight song as an 8-year-old (*Whole New Ballgame, September*).

TRACEY SMITH
VIA COLUMNS ONLINE

✉ I hope the splendid new Husky Stadium will produce great memories as did its predecessor. My own memory was a beautiful Oct. 1, 1949, with the Huskies being more than hospitable to the visiting Fighting Irish. This Husky went away with mixed emotions!

JAMES M. ROHERTY, '51, '52
DEFORREST, WISC.

Worldwide Mission

✉ President Young (*Our World, Our Responsibility, September*) talks about our “globally interconnected world” and “looking for cures for diseases [and] bringing treatments to impoverished populations.” This is important to us all because the pandemics of HIV/AIDS, TB and malaria must be treated as the worldwide killers they are. The Global Fund

to Fight AIDS, TB, and Malaria has been instrumental in getting these treatments to people in more than 150 countries. This fall the Global Fund held its replenishment conference to be able to continue its life-saving work. A \$10 billion commitment from the U.S. can end the threat of these diseases and give the world the AIDS-free generation that President Obama and others say is possible. Students, staff, alumni and friends of the UW can help make this happen by telling our elected officials to make this pledge a reality.

WILLIE DICKERSON, '73, '94
SNOHOMISH

Dialogue with Dubs

✉ As a proud graduate of Stanford and the UW, and the owner of a Malamute (who howls when I raise my arms and yell “touch-down”), I found the interview with Dubs (*New Tricks, September*) clever and hilarious. On a more serious note, I wholeheartedly endorse President Young’s remarks (*Our World, Our Responsibility, September*). Having visited 107 countries, I know firsthand that travel is fatal to prejudice.

CLYDIA J. CUYKENDALL, J.D., '74
OLYMPIA

Global Champion

✉ Jeanne Bougault (*Alumni Profile, September*) is a very bright young lady with a wide world view. Congratulations for trying to improve the world, especially for women in developing countries.

ELOISE CONOVER, '61
VIA COLUMNS ONLINE

Piano Pleasure

✉ After nearly 50 years, I still can’t forget Professor Hokanson (*Newsmakers, September*) rushing onto the stage before an introductory music appreciation class of hundreds, pushing the piano stool aside, and plopping onto the floor with his back to the piano. Then he reached his arms over his head, placed his hands on the keyboard and played *Yankee Doodle*. What a guy!

ANN MCKINSTRY GERNER, '68
BELLEVUE



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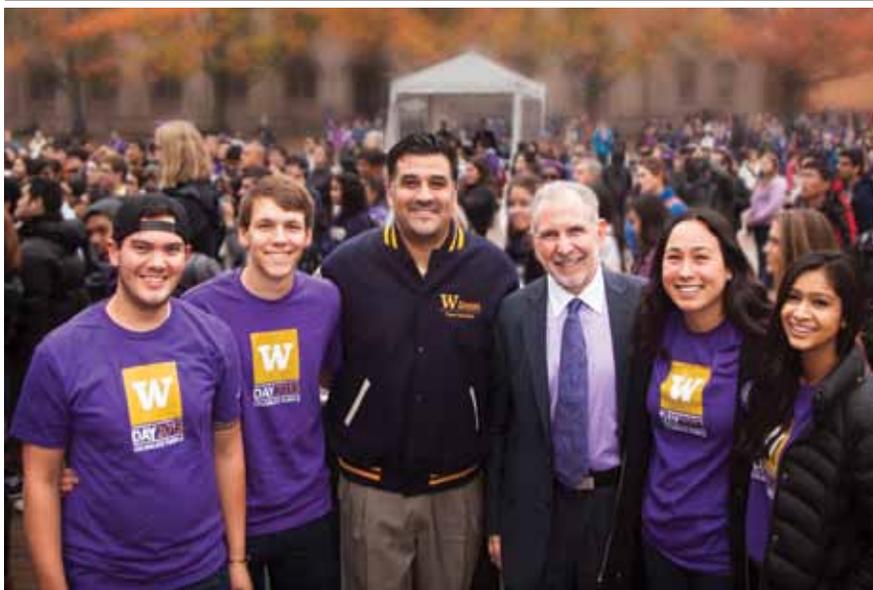
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UW students and alumni have never been shy to show their purple passion, whether forming their favorite letter on the lawn in front of Denny Hall in 1912 or ASUW student leaders gathering with UW President Michael K. Young (in necktie) and UWAA Executive Director Paul Rucker in Red Square a century later on W Day in 2013!

The Celebration Begins

Since its founding in 1889, the UW Alumni Association has been about one thing: building community in support of the UW and higher education. Through its social, education and advocacy programs, the UWAA for the past 124 years has engaged graduates and friends around the world and continues to make the UW stronger. Stay tuned to *Columns* magazine throughout 2014 as the UWAA celebrates its 125th anniversary.



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TOP: KATHERINE TURNER. BOTTOM: COURTESY OF UWAA

A VISION *for* UW'S FUTURE



At the 2013 annual address, I proposed a vision for the future of the University of Washington. It's a vision derived from countless conversations over the past two years with faculty, staff, students, the Board of Regents, supporters and many others in the UW community.

It's a vision that was seeded when the opportunity first arose to come here. I immediately knew UW was special. I knew we could do things that are truly exceptional, things that could not be done anywhere else in the world. From the beginning, I saw:

- intellectual excellence that puts the UW at the very top—in passion, commitment, teaching, and research;
- excellence in specific domains that would truly impact the world—such as genome science, big data, global health, and more;
- innovation and collaboration across disciplinary boundaries with a goal of applying research and knowledge to big problems, affecting countless people and societies;
- a distinctive location, unlike anywhere else in the world. UW has a cultural worldview that looks in every direction: east, west, north, south. It is located in a community that believes in looking beyond geographic and intellectual borders, beyond barriers both real and perceived.

That was my impression before I arrived and the foundation for why I came here a little more than two years ago. I have now seen firsthand the extraordinary work going on here. The excellence of the UW and the capacity for positive, lasting, transformative impact was even greater than I could have possibly imagined.

We are now emerging from some of the most difficult economic years UW has ever faced. It has been my first and foremost priority to address the financial challenges facing the UW, and it continues to be. But I believe we've turned a corner. Now it is time for us to chart a course for our future.

As a great public university, our responsibility goes well beyond simply sustaining our operations. We need to do more and we know it. In order to fulfill our purpose for being, it is both our obligation and an opportunity to expand our offerings and our research to reflect the change occurring in the world around us. We need to lead.

With that in mind, I propose four foundations to match the four columns in the campus' Sylvan Grove that replicate the front of the very first UW building in 1861. The original columns were the literal foundation upon which the University was built, and they call us forward. I want to offer four foundations—or 21st-century columns—that I believe capture the essence of who and what UW

DARIN WANG/THE DAILY

needs to be as we move into the next 150 years. This vision is a product of all of us: the University of Washington needs to be Accessible, Experimental, Global, and Enterprising.

As a public research university, Accessible means that we are inclusive in the broadest sense. We must provide resources to bring prepared, capable and ambitious students to campus to realize their full potential. We must ensure that the Husky Promise and other scholarships and grants are available to make our campus accessible to those who qualify to come here in every way, and simply need financial assistance.

Accessible also means access to us for people beyond our campus, and making our ideas, knowledge and inventions available to people wherever they are. The UW's first Online Degree Completion program makes it possible for place-bound and time-bound students with 70 transferable college credits to enroll and finish their degree online in Early Childhood Education. We must embrace other online opportunities that do not sacrifice quality.

Accessible also means bringing in outside expertise to enhance research. The Institute for Protein Design has infused its campus research with more than 300,000 people around the world who are playing Foldit, a revolutionary free online game to help our scientists predict the folds of unsolved proteins and design new proteins necessary to cure diseases. We can crowdsource to enrich our ideas.

The bottom line is people have unique needs, interests, and capabilities. We have content and capacity to offer transformative experiences, sometimes on campus and sometimes off. We don't have the luxury to leave anyone out. We must foreground the public in our mission of a public university.

Second, we must be Experimental. This requires relentless curiosity and courage for everyone affiliated with UW, to move forward with ideas that might lead to a great invention, a cure for cancer or a better way of teaching the myriad things our students need to be educated citizens in the 21st century.

For example, our Genome Sciences and Pathology departments, along with the Fred Hutchinson Cancer Research Center, recently launched Precision Medicine based on a simple, but profound insight: cancer treatments succeed with some individuals, but fail with others. The researchers are exploring what can happen when the focus for treatment is shifted from where cancer occurs in the body, such as the brain, to an individual's genetic makeup and molecular structure, relating diagnosis and treatment to individual genes, their mutations and functions. It's trial and error. It's experimental.

We are implementing an experimental approach in our teaching, too. Last quarter, 120,000 people from 200 countries enrolled in our Communication Department's Massive Open Online Course on public speaking. They watched lectures, analyzed presentations, engaged in robust discussion groups in several languages, and recorded and evaluated each other's speeches. Learning to communicate effectively is a building block of modern society, and many benefitted from the class.

At this great university, we must continue to be experimental in our classrooms, research labs, libraries, and offices. We must cultivate a culture that makes room for failure and rewards success. We have to dare every day to try to make the world a better place.

Third, we must be Global. At convocation this year, I told the incoming freshmen that we are all international students. We are all international faculty and staff, too.

For example, the Institute for Health Metrics and Evaluation is conducting research in 25 countries to find what works in preventing and treating diseases. The IHME is also measuring the impact of disease

treatment in specific locations, such as the effectiveness of vaccination programs in Uganda—where someone dies from meningitis every hour. They are working with locals to find solutions to improve the lives of their citizens.

Our worldview needs to be big enough to find answers to the world's great challenges and to bring students from all over to help us find them. We must engage across cultures, languages, borders, challenges, histories, and visions for the future.

At our UW Study Center in León, Spain, students from across campus get an amazing chance to study abroad. Yet the León Center aspires to more than simply having students show up, stay a while, take in the local culture, and then depart. Rather, we actively seek to engage, to be an important resource for the city and region. For example, our studio art program auctions off student work at the end of the quarter, and donates the profits to charity. Other UW students taught story-telling workshops to León grade schoolers last spring. That kind of engagement is central. The UW does not stand apart from the world. We are part of it.

We all know that intellectual borders matter less and less in the great research and teaching we do. We know that we gain so much more from an interdisciplinary approach. But we also need students with global and comparative perspectives and an appreciation for cultures, languages and ideas, to address the grand global challenges we face.

Finally, we must be Enterprising. This column speaks to the essence of how we pursue our vision: with emotional and intellectual intensity, ambition, urgency, and a resolve to succeed. Nothing can stop us. Our drive will be unsurpassed.

Here's a concrete instance: UW Transportation leaders and staff have renewed their efforts to make a positive lasting impression on UW visitors. Managers scheduled an all-staff retreat to develop a plan to provide the best experience possible for all who utilize transportation facilities. You may have noticed parking employees wearing uniforms and coming out of booths to greet visitors, or the welcoming signs at garage entry points. They are making this happen. That's enterprising.

Such an entrepreneurial spirit is typical of Washington. Airplanes, neighborhood coffee shops, software for every computer, five-pound jars of mayonnaise, ordering anything online, kidney dialysis all have roots here. For UW, the economic challenges have been great in recent years, but we have risen to the occasion. Enterprising is what allows us to exceed our goals. At UW, we must instill the concept of enterprise into every classroom, residence hall, lab and campus facility for faculty, staff and students. We must be ambitious. There is no mountain too high for us to climb.

To conclude, this will involve everyone no matter their position or relationship to the university. We can't do it alone.

Accessible. Experimental. Global. Enterprising.

I invite all of Husky Nation to embrace these foundations as our vision—a vision that I believe is deeply rooted in all of us—to ensure every student will come out of the UW different from when they arrived. This is our vision, and we will be relentless in pursuing it.

I came here because I was inspired by what I saw and knew about UW. Our challenges are great but we are equal to the moment. Together, we will lead into the next 150 years.



MICHAEL K. YOUNG, PRESIDENT

In Good Hands

BY DEANNA DUFF

Catching up with DR. DENZIL SUITE, the new Vice President for Student Life, on eyeing Seattle, serving students and getting lost.

Suite bought a souvenir cityscape of Seattle during a visit six years ago, which decorated his desk at the University of Southern California, his previous professional home of 10 years. “I just fell in love with Seattle and feel like moving here was maybe meant to be.”

A diehard college football fan, Suite wears a royal-purple dress shirt to the office, reassuringly declaring his newfound Husky loyalty with an enthusiastic, “Go Dawgs!”

Programs serving nearly 43,000 students are under his care. Those include career services, counseling centers, 800 student organizations and recreational sports. He is also responsible for housing and food services for more than 7,000 students who live in university housing.

“I believe the number one thing in terms of a rewarding student-life experience is some level of involvement and group participation. It can be anything—fraternities or sororities, clubs, intramural or intercollegiate sports. Interacting and meeting people different than yourself is the key component.”

A first-generation college graduate, the native New Yorker earned a psychology degree from Ohio State University. He participated in student government and clubs ranging from the Caribbean to Chinese students associations.

“I was a resident adviser in the agricultural hall. My floor was full of farmers and the like. One of my favorite students was a pig farmer.”



“I want students to have access to me and feel that their vice president is working on their behalf and accessible when needed.” Suite plans to meet regularly in-person with students and organizations. Individuals can also directly connect via his new Twitter account: @DenzilJS.

He considered joining the Police Department before pursuing graduate studies. “My passion for education and helping young people has grown in me like a wildfire and it still burns. I believe what I do and what my colleagues do at this university and others is meaningful work. We’re helping make a difference.”

“I was attracted to the UW because it’s an environment where there is somewhat of a seamless connection between the University and surrounding community. Urban environments are uniquely positioned as learning laboratories to help students know how to navigate a dynamic, technologically savvy and interconnected world.”

“The new HUB being back to playing a vital role on campus and changes in housing will be two of the big things students will be seeing this academic year.”

He identifies with being the new kid on campus. “I saw a student with a map who was doing 360-degree turns trying to find things. I felt for him because I don’t know my way around yet either! Thankfully, he asked where Odegaard (Library) was, which is somewhere I actually know!”

To learn about the UW’s entering class of 2013, turn to page 32.

Seattle freelance writer Deanna Duff is a regular contributor to Columns. Her interview with journalist Robert Merry appeared in March.

PHOTO BY RON WURZER



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A New Era

by Paul Strohmeier

D O N J A M E S

1 9 3 2 - 2 0 1 3

Husky coaching legend Don James died on Oct. 20 at age 80. Paul Strohmeier, '77, a defensive lineman when James was hired and a graduate-assistant coach under James in 1976, offers a perspective on the beginning of the "Dawgfather" era. Strohmeier is a sales executive for IBM, where he has worked since graduating.

■

SHORTLY BEFORE CHRISTMAS 1974, WASHINGTON ATHLETIC director Joe Kearney announced an unknown coach from a small school as our new coach. Kearney had already received regrets from Dan Devine, who chose Notre Dame, and Mike White, the California coach. We were surprised to find out that the person willing to take the UW job was a guy from Kent State named Don James.

I remember the first time Coach James walked into the team meeting room in January 1975. He entered the room precisely on time. (I am positive that it was exactly on time because Coach James knew no other time.) He then, with no pleasantries and little enthusiasm, announced that we were going to win the league championship and go to the Rose Bowl.

We almost fell out of our chairs. He was addressing a football team that had won seven of its past 22 games. Just two years before, we had set records for defensive futility and were generally regarded as one of the weaker UW football squads in the modern era. We were facing a loaded preseason schedule that included Arizona State, Texas and Alabama, coached respectively by Hall of Fame coaches Frank Kush, Darrell Royal and Paul "Bear" Bryant. Our fear was justified. These three teams would finish the season ranked Nos. 2, 3 and 6 in the Associated Press poll. Also in the Pac-8 Conference that year were USC, reigning United Press International Coaches Poll national champion; UCLA, which would finish No. 5; and California, No. 14.

Our new coach's goal was unimaginable. Yet somehow his pronouncement began the process of getting the UW back to respectability. We began to believe.

The early days were tough. Coach James had instituted a conditioning regimen that he felt would give us a competitive edge. He had calculated that a player expends six seconds of intense energy

on each down, so "mat drills" lasted exactly six seconds, with very short rests in-between. These were repeated over and over, day in and day out throughout the winter.

Practice began with what was called the "Gold Line." This was exactly when practices would start but set at odd times such as 8:56 a.m. or 9:02 a.m. to promote attention to detail. After stretching, a horn would sound and we would break into position drills. These went off at odd intervals, and as the horn sounded, we would immediately move to the next drill. Every second of practice was used.

Coach James would circulate for a short while and would then climb into his tower at midfield. He would pull out his pen and notepad, begin to scan the proceedings and carefully make notations. Players never knew what he wrote, but I always felt he was looking at me, so I always applied extra effort to ensure I was executing my assignments as perfectly as possible.

Preparation was unbelievably comprehensive and detailed. Each drill had a purpose. Each player had a role. Each play in practice—on both offense and defense—was scripted and based on detailed scouting reports. Special teams were regarded as important as offense and defense. We felt we were ready for anyone. Then the season started.

Arizona State, Texas and Alabama proved to be in a higher echelon, but our confidence increased after a narrow loss to Stanford. We would win four of our next five games. At No. 13 UCLA, we saw for the first time the difference our coach could make as the ultimate game-planner, stunning a Bruins squad that went on to beat No. 1 Ohio State in the Rose Bowl and finish No. 5 nationally. Coach James was also the person responsible for putting us in a position to pull out an improbable 28-27 comeback victory in his first Apple Cup.

Coach James finished 6-5, but few now realize how successful his first season really was. Though he inherited a senior-laden team, we didn't know how to win. In the end, the Huskies beat both schools from L.A. and every other Northwest school. A three-point loss to Cal was all that prevented us from playing in the Rose Bowl.

We now believed.

A longer version of this appeared on The Seattle Times' Take 2 blog. Read the full version at <http://blogs.seattletimes.com/take2/>



Thank You to the Class of 1963

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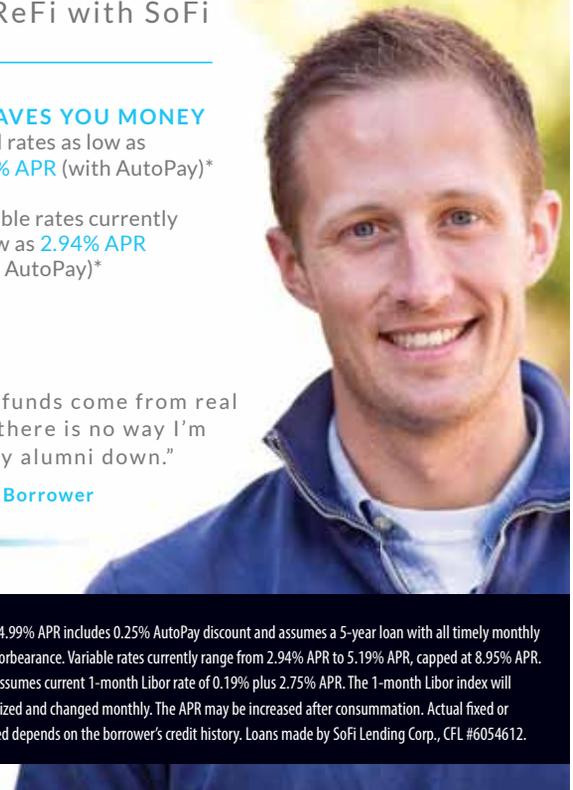
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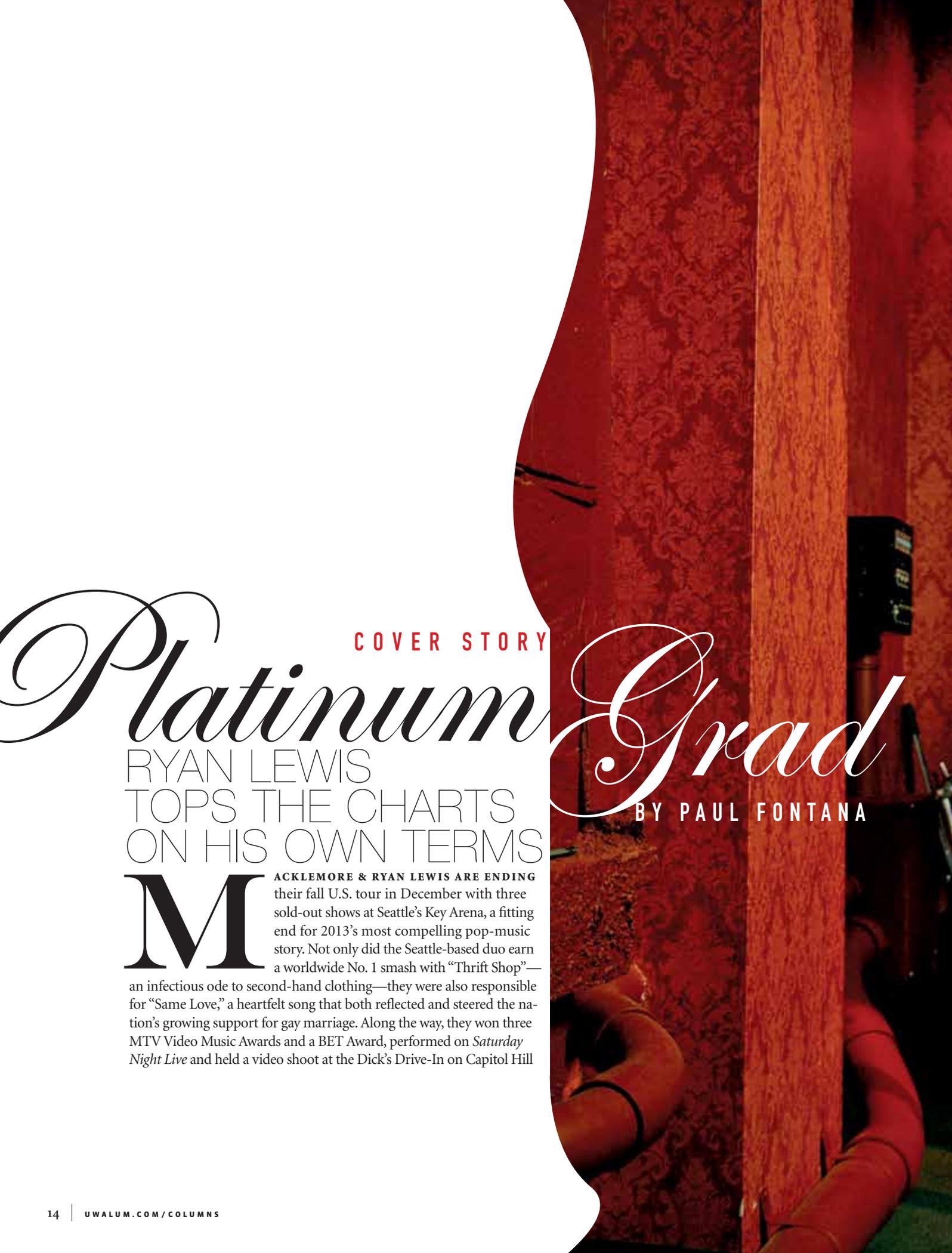
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COVER STORY

Platinum Grad

RYAN LEWIS
TOPS THE CHARTS
ON HIS OWN TERMS

BY PAUL FONTANA

MACKLEMORE & RYAN LEWIS ARE ENDING their fall U.S. tour in December with three sold-out shows at Seattle's Key Arena, a fitting end for 2013's most compelling pop-music story. Not only did the Seattle-based duo earn a worldwide No. 1 smash with "Thrift Shop"—an infectious ode to second-hand clothing—they were also responsible for "Same Love," a heartfelt song that both reflected and steered the nation's growing support for gay marriage. Along the way, they won three MTV Video Music Awards and a BET Award, performed on *Saturday Night Live* and held a video shoot at the Dick's Drive-In on Capitol Hill



PHOTO BY ZOE RAIN



THANK GOD I *Didn't* GET A JOB

that clogged traffic for hours (above). All of this was accomplished despite the fact that the act does not have a major-label record contract—something unfathomable before the rise of social media and still pretty incredible after.

For the affable Lewis, '09, this whirlwind is only a few years removed from days ensconced in Suzzallo Library and the Parnassus cafe in the basement of the Art Building. As a Comparative History of Ideas (CHID) major, he was able to simultaneously indulge his passions for travel, cultural studies, religion and philosophy.

"I think Ryan would have done well in any interdisciplinary environment that embraces art and encourages critical reflection," says Georgia Roberts, UW lecturer who taught three CHID courses

Lewis took. For his senior thesis, Lewis created a music video—consisting of hundreds of arresting still photographs—that explored some of the downsides of social networking and technology. The project embodied the interdisciplinary ethos of the CHID program and also indicated where his interests lay outside of the classroom. Graduating during the depths of a recession, though, pushed him even closer to his artistic pursuits. "Thank god I didn't get a job," laughs Lewis.

Even if he had he found himself at a desk of an advertising agency fresh out of UW, Lewis would have quickly made a name for himself. A restless self-starter, he started his own photography business as a 16-year-old, mostly shooting bands. It was during this time that Lewis established ties with Seattle's hip-hop community and soon crossed paths with Ben Haggerty, a Seattle rapper five years his senior who went by the moniker Macklemore. He initially provided graphic design and photography for Haggerty, but as their friendship grew they formed a partnership that propelled them into the pop culture stratosphere.

Lewis was born in Spokane and lived there until he moved to Seattle at 15. Drawn to music from an early age, he played guitar in heavy metal bands in junior high and high school; unsurprisingly, he took the reigns in designing the bands' websites and T-shirts. When he moved to Seattle and attended Roosevelt High School, though, he found that the school was far more jazz- and hip-hop-oriented. That experience not only altered his listening habits—which would continue to expand during a stint at North Seattle Community College—but it also changed his approach to making music. He shifted to keyboard and started experimenting with music production software and creating his own beats and instrumental hip-hop

tracks. By the time Lewis was finishing his UW career, he and Haggerty were collaborating on a more substantial level, serving as his producer and earning him title credits on 2009's *The Vs.* EP.

Macklemore had built an enthusiastic fan base in Seattle over a period of a decade, but the success of *Vs.* and 2010's *Vs. Redux*—which reached No. 7 on iTunes' Hip Hop chart—aroused the interest of major record labels. The deals the companies were offering, however, were far from appealing. The typical major label contract today is what is referred to as a "360 deal." The label fronts money for advances, recording fees, radio and TV promotion, videos and tour support. In exchange, the label owns not only a percentage of record sales, but copyrights for multiple albums and a share of merchandise, endorse-

ments, publishing and more. In the label's eyes, these deals are fair because the initial investment it makes allows an artist to achieve a level of stardom at which they can start charging hefty concert ticket prices, which is where the real money is. For most artists, though, these deals are not advantageous—and often disastrous.

LEWIS AND HAGGERTY RESISTED THE LURES. “We both have a strong sense of marketing and promotion,” says Lewis. “Aside from the music, we like to figure out how to make excitement.” This prowess was evident when their debut full-length album *The Heist* was released in October 2012. Several songs from the album had previously been released as singles, building a buzz for the album. It debuted at No. 2 on the *Billboard* charts and No. 1 on the iTunes Digital Albums chart. The immediacy of the album's success proved there wasn't much reason to take the traditional route, even as record labels offered sweeter deals. “So much of our story now is about showing that in 2013, you can do things independently,” says Lewis.

That point was hammered home as “Thrift Shop” grew into an international sensation, reaching No. 1 in the U.S., Canada, U.K., Ireland, France, Belgium, Denmark, Netherlands, Finland, Norway, Australia, New Zealand, Israel and Lebanon. Sales of the single have topped 7 million in the U.S. alone. The video, which Lewis co-directed, has been viewed more than 420 million times on YouTube. In all this frenzy, it was easy to miss their single “Can't Hold Us” topping the charts in three countries and selling a cool 4 million domestic copies. In a year full of surreal moments, the reality of these figures is as jarring as anything.

The spotlight has certainly altered reality for the pair. First, their success has been a source of curiosity and inspiration to fellow artists. “When we had the biggest song in the world, people started picking our brains about how we did it,” says Lewis. “It has opened up doors to meet and collaborate with people we respect and admire.”

The most notable shift, however, has been the leap to celebrity status. Lewis is mindful of the constant presence of cameras and has had to adjust to the scheduling demands of stardom. For the self-proclaimed “studio rat,” the grind of touring and press demands have interrupted his typical creative process. “Reality strikes that [creativity] has to happen on the plane, on the tour bus, in the hotel room.” He has also had to accept that most fans and interviewers are far more interested in what it's like to be a celebrity than what is behind the music. “You wish more people were as nerdy as you are,” notes Lewis, “and interested in the more technical, engineering and creative aspects.”

Lewis also wishes that it were “more publicly understood that the relationship that Ben and I have goes beyond just making hip-hop records.” What's important to them is that they are at the center of a very creative team, one that employs photographers, graphic designers, musicians and more. “What continues to impress me about Ryan

is his focus on working and creating in collaborative settings,” says Roberts. “It takes a tremendous amount of dedication, patience and genuine practice to be a good collaborator.”

Following the three Key Arena shows, “we're being very intentional about taking some significant time off,” says Lewis. Apart from getting to “live some life for a few months,” he and Haggerty want to avoid rushing a follow-up to *The Heist*. “I want to do it right...and set standards for ourselves like we did last time.”

In the long term, Lewis hopes to apply his vision to another entertainment arena: the movie business. Considering the range of sounds he has introduced into the hip-hop idiom—the solemn piano sound of “Same Love,” the cheap saxophone loop in “Thrift Shop” or the Spaghetti Western intro to “White Walls” provide a quick primer of his sonic palette—it's easy to imagine him creating a compelling soundtrack. However, he's not limiting his scope to the musical side of films, eyeing forays into acting in and directing features.

Wherever he goes, Lewis will take pride in being a Husky. “I loved UW. I miss traveling and studying at the same time. And I miss being on campus.” When he does return to campus, a packed Husky Stadium is the likeliest venue. Then again, he could just as well be lecturing on music, art, marketing or some intersection of them all. As Georgia Roberts says, “He is a critical thinker who cares about the world and his place in it. Now that he has such a large platform, I'm excited to see the next move, both creatively and politically.” ■

—When not playing drums in his wildly unpopular band, Paul Fontana is Associate Editor of Columns.

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The Immortal Life of HENRIETTA LACKS

By Julie Garner

The cover of *The Immortal Life of Henrietta Lacks* succinctly proclaims the book's storyline: "Doctors took her cells without asking. Those cells never died. They launched a medical revolution and a multimillion-dollar industry. More than 20 years later, her children found out. Their lives would never be the same."

One big reason their lives would never be the same is because the book, written by Pacific Northwest native Rebecca Skloot, hit the *New York Times* Best Seller list in 2010 and stayed there for



more than 75 weeks. Skloot entwines the personal stories of Lacks—who died of cervical cancer—and her family members, with the tale of how a particularly aggressive tumor removed from her body at autopsy in 1951 was used to grow cells (dubbed "HeLa")

that propagated easily at breakneck speed and ended up in labs all over the world. Scientists badly needed easy-to-grow "immortal" cells like the HeLa cells to do many kinds of research, but the lack of consent raises a host of ethical issues.

One result of Skloot's book has been to underscore the pressing need to develop policies about patient privacy and informed consent that keep pace with the lightning fast developments in genome and related sciences. UW Medicine has the distinction of contributing the latest "chapter" to the HeLa story, both in publishing a paper with the official consent of the Lacks family and also conducting cutting-edge research that reveals more about a cancer genome than any previous work done anywhere.

"[Lacks'] story plunges us into societal and ethical considerations. It's about consent and anonymity, or lack thereof," says Jay Shendure, associate professor of genome sciences. "We tell people we want broad consent when people agree for their genomes to be used in our research, but we also promise to protect their privacy."

In August, Shendure's lab became the first group to publish a

paper under a new policy governing the use of HeLa genome research supported by National Institutes of Health (NIH) funding. The policy emerged after NIH discussions with the Lacks family. The UW research published in the journal *Nature* is the first in which the Lacks family has been consulted and given consent for a specific use of their matriarch's cells, after more than 74,000 research papers have been published based on work with HeLa cells over the past six decades.

The issue boiled over in March 2013 when a German lab published a study posting data from the HeLa genome to a publicly accessible website. As the data could be used to make inferences about genetic risk factors present in Henrietta Lacks as well as her descendants, the family was upset to have no control over what they view as very specific, personal information.

The UW was already making plans to contact the Lacks family about its study when the NIH reached out to strike an agreement with the family on the consent issue. The agreement allows select researchers to gain access to the HeLa sequence information, subject to the agreement of a special committee that includes a representative of the Lacks family.

It's fitting that the UW study is the first to obtain the family's consent because the research conducted by UW scientists—described by *The New York Times* as a “tour de force”—provides the most comprehensive picture of the HeLa cancer genome, or any cancer genome to date. As Skloot explains in her book, Lacks' cancer—like most cervical carcinomas—was initially caused by an insertion of the Human Papilloma Virus (HPV) into the genome of a cell in her cervix. Andrew Adey, along with co-first authors Joshua Burton, Jacob Kitzman and Shendure, used “old school” technologies to reconstruct the genome sequence of HeLa with unprecedented resolution, including distinguishing the genetic variations present on “homologous” chromosomes (nearly identical but inherited from either mother or father). The team then showed that the HeLa genome—although chaotically rearranged in 1951—was surprisingly stable over 60 years of storage and sharing among scientific labs. By unscrambling precisely how the HPV genome had inserted, they were also able to identify the mechanism by which it switched on a nearby oncogene (cancer-causing gene).

“The sort of rearrangements we observed in HeLa cells are common in cancer cells. But nearly all of the rearrangements we observed were likely also present in her cancer in 1951,” says Adey. The researchers showed this by looking at strains decades apart and found that not much has changed over years of cell culture. “The work provides a reference for tens of thousands of experiments that have been done and will be done on this cell line. It also informs how we approach other cancer genomes,” explains Shendure.

Given the huge data sets genome scientists like Shendure are using around the world and the rapidly dropping cost of genome sequencing, there is more urgency for ethics to keep pace with the science. “We need to be transparent about what we're doing. This isn't about risk management; it's about doing the right thing,” says Stephanie Fullerton, associate professor of bioethics and humanities. “We want to educate and engage people in building a research partnership. We need to take deep dives into individual genetics to learn more. You can ask more interesting scientific questions if you engage with people and they understand what kinds of answers a look at their samples provides.”

The UW is now revamping its own procedures to allow patients a

greater say in research uses of their health data and samples, according to John Slattery, vice dean of research and graduate education at the UW School of Medicine. In the past, the UW used the “black box form” that is still in use by many leading universities. The system was coercive in that it notified the patients of potential research uses but did not otherwise allow the choice to say no. If a patient checked in for surgery, he or she would have to sign a form granting the UW use of their tissue for research. If the patient didn't sign the form, then the surgery wouldn't be performed.

Soon many UW patients will be asked at check-in about making their tissue or tumor specimens available for research. Most of the time, the samples and information provided to researchers will be carefully scrubbed to protect patient identity. Researchers usually need specimens from people with certain medical characteristics and don't need access to the medical record.

Having permission to access information will also help researchers track outcomes. Having more knowledge about outcomes and treatments will help clinicians evaluate what works and what the best evidence-based treatments are.

The involvement of the Lacks family in the informed consent process has been a long time coming, but now they are able to embrace their role. Before Lacks' daughter Deborah died in 2009, she told Skloot, “Maybe I'll come back as some HeLa cells like my mother. That way we can do good together out there in the world. I think I'd like that.” ■—Columns science writer Julie Garner often can be found eating kale or gasping on the treadmill to improve her health.

The Evolving Story of HeLa

The news from Jay Shendure's lab is only the latest UW piece in the decades-long HeLa story. Stanley Gartler, emeritus professor who joined UW in 1957, was studying 18, supposedly independent, distinct cell lines—one of which was HeLa—during his work with human genetics in cell culture.

“I started characterizing the cells and found out that they all had the same genotypes and that didn't add up,” he recalls.

Gartler discovered in all the cell lines a genotype called G6PD-A, which is found only in African-Americans. Since HeLa was from an African-American and it was the first permanent human cell line established, it was almost certain that all the other so-called, independent cell lines were contaminants of HeLa.

Gartler presented his information at a major conference in September 1966. Many scientists in the crowd thought that they were creating a library of different human tissues, but didn't realize that they had simply been growing and re-growing HeLa cells. They had spent millions of dollars researching cells that they thought were kidney or liver cells or other cell types, but Gartler proved that all the cells were contaminated and taken over by HeLa cells.

“The really experienced people in the field had thought some kind of contamination was going on,” explains Gartler. Despite drawing the ire of some scientists, Gartler remained true to his scientific values, correcting error and championing facts.

The Immortal Life of Henrietta Lacks is available at University Book Store. UWAA members save 10%. www.ubookstore.com

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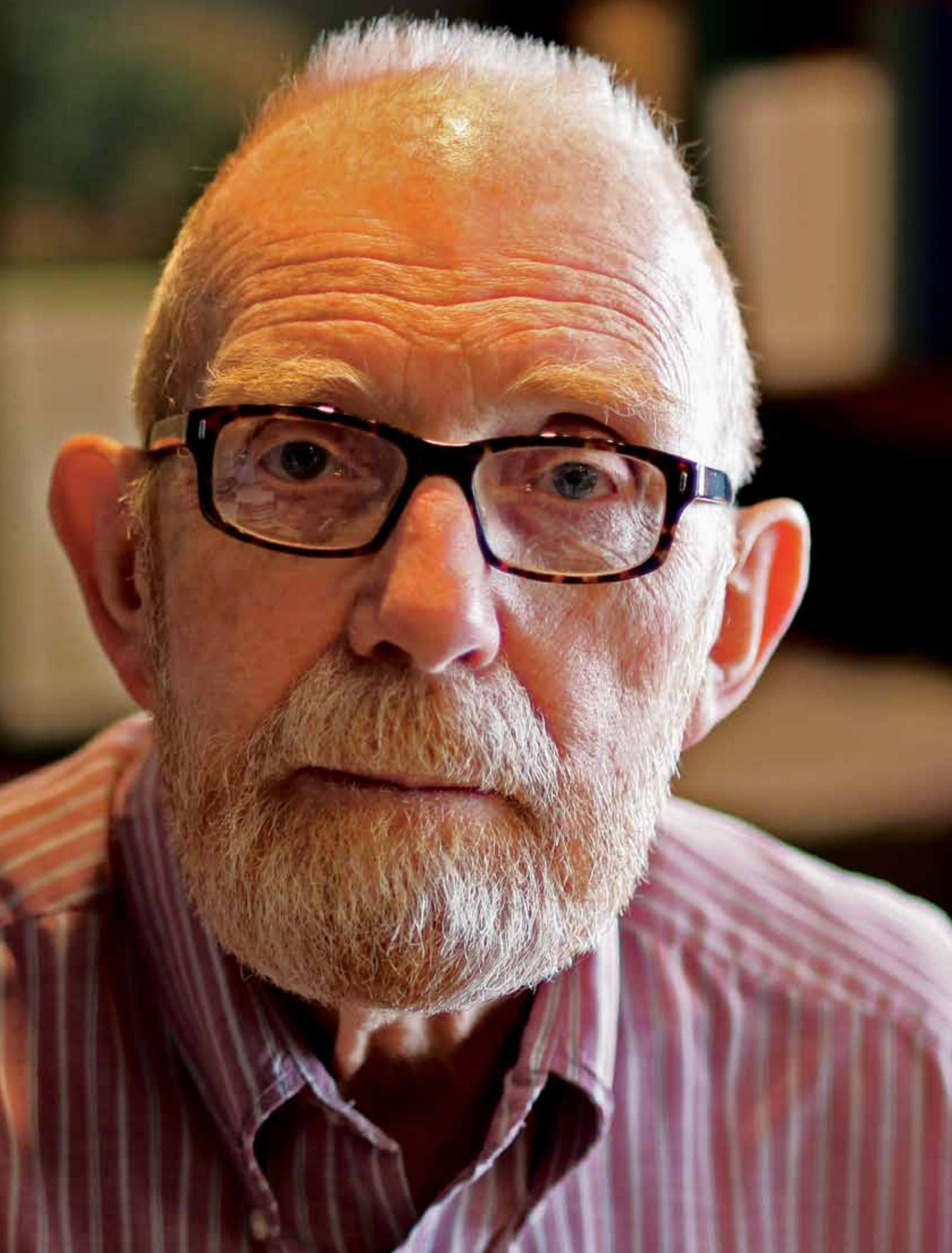
Montana Mindscape

by Julie Garner
Photos by Anil Kapahi



Ivan Doig's tales of the West
have made him one of America's top authors







W RITER IVAN DOIG

describes himself as “a history Ph.D. with a mind like a magpie.” It is worth keeping in mind when considering Doig’s twelve works of fiction and two memoirs that the black-billed magpie is found in nearly every county in Montana and that the bird is said by some to represent that part of ourselves that collects “bright shiny thoughts”; they also have one of the most developed vocabularies in the animal world.

As a novelist and memoirist, Doig’s “bright shiny thoughts” form a body of work that renders the Montana of days gone by, rooted in historical fact and parlayed with thoughtful intellect into stories that are as informative as they are pleasurable to read. His latest book, *Sweet Thunder*, is a case in point. The book follows a newspaperman who writes blazing editorials for a paper that competes with one published by the Anaconda Copper Company that really did hold Butte in its corporate vise in the 1920s. (BP now owns the company, which stopped mining in 1983.) The story is a good source of information about this company town, but the plot loses nothing to the history. *Sweet Thunder* is a pleasure to read, but it cannot be done without taking time to savor the underlying music of the prose.

Doig, ’69, was born in 1939 in White Sulphur Springs, Mont., but grew to manhood farther north along the Rocky Mountain Front, where the eastern slope of the Rockies meets the plains. Having lived and worked on ranches until he left for Northwestern University in Evanston, Ill., Doig writes what he knows and the Montana he knows is in his blood. Many of the writers now living and publishing in Montana moved there from somewhere else. Tom McGuane,

for example, was born in Michigan; Tim Cahill is from Nashville and William Kittredge is a native Oregonian. By contrast, Doig herded sheep on the Blackfeet Reservation in Montana as a teenager.

“What’s singular about him is that he grew up on a ranch and he’s very well educated. The history doctorate you can see in a lot of his books. He is also singular because he has the poetic gift for language. He’s got this poetry; maybe you call it love, which comes through his writing. His book *English Creek* is a masterpiece,” says Nick O’Connell, ’85, ’96, author of *On Sacred Ground: The Spirit of Place in Pacific Northwest Literature*.

While he writes about Montana, Doig lives in a typical evergreen Seattle suburb and has done so since he received his doctorate in history from the UW. He and his wife Carol had been living in the Chicago area. He was an editor for *Rotarian* magazine and she worked for a similar magazine put out by the Methodist publishing house. “We had been in Evanston seven or eight years with college and all, got married there and we found ourselves driving 800 miles round trip on the weekends to see little fir trees in Wisconsin,” he recalls. Doig applied to the history programs at University of California, Santa Barbara and the UW. “The UW came through with a teaching assistantship worth \$1,900 a year. We had never been to Seattle but we accepted sight unseen. We thought ‘what the hell, we’re going to do this.’”

At the UW, Doig landed under the wing of the western American historian Vernon Carstensen. “It was a good thing. He was a colorful talker, loved the language. He would mention ‘the unfeathered biped on the way across the continent,’ the human being. I stole

Excerpt from *Sweet Thunder* by IVAN DOIG

Thrust into the annual Miners Day parade as “Mounted Correspondent” of Butte’s plucky union newspaper, the *Thunder*, Morrie Morgan is about to score a scoop, thanks to Sam Sandison, legendary vigilante turned city librarian, and his ex-cowhands turned Rough Riders. Here Morrie is readying to be photographed for his moment of front-page fame:

SANDISON STAYED stirrup to stirrup with me as, down the block in front of us, cohort after cohort of defiantly singing miners marched past the lofty headquarters of the Anaconda Copper Mining Company. What a scene that moment of the parade was as a thousand voices lifted in the verse, “Down there deep we’re all one kind, / All one blood, all of one mind / I back you and you back me, / all one song in unity.” Flags waves, pinwheels spun on sticks children held like lollipops, the sun shone bright on a Butte free of strife for the course of a day. And tomorrow, I knew even without the sage glint in Sandison’s eye, the civil war of labor and capital would resume, I would shed my temporary mantle of mounted correspondent and resume editorial battle with the Post, the calendar page would be turned,

with each of us one day nearer to our destiny.

But right now, my role in life was to look as presentable as possible astride a clip-clopping horse while portraiture occurred. Catercorner from the Hennessy Building, the photographer Sammy waited beside his big box camera on a tripod, gesturing urgently to make sure I saw him and was ready. Gruffly saying he didn’t want to break the camera, Sandison dropped back out of range. “Don’t forget to smile at the birdy, laddie.”

A smile became out of the question, however, as I spotted a number of bruisers strung out along the entire front of the Hennessy Building, positioned against the wall and the display windows with their hands over their private parts in the manner of museum guards and other functionaries who stand around for

hours on end. Unquestionably, these had to be the extra goons making good on Anaconda’s threat to station guards at all company property, in this case merely for show around the infamous top-floor headquarters. Of a type I would not like to meet in a dark alley, the Anaconda operatives favored gabardine suits; as Hill lore had it, blood was more easily sponged off that than softer fabrics. In the holiday crowd, they stood out like gray wolves.

After my initial alarm, I realized the scene was actually peaceful, no guns on display or evident inclination toward any, and with the long file of miners having marched past without incident, apt to stay that way. Blind Heinie’s newsstand was situated right across the sidewalk from where the most prominent of the goons had made their presence known alongside the department store’s big windows, and as the sightless old news vendor entertained himself by slapping his thighs in rhythm with the Miners Band’s distant rendition of “When You and I Were Young, Maggie,” the nearest gabardined thugs were idly nodding along. Breathing a sigh of relief, I sat up tall as I could in the saddle to be ready for Sammy’s camera.

something from him as recently as the latest book—the word ‘frass,’ meaning insect excrement,” says Doig. He wrote his dissertation on John J. McGilvra, a prominent judge in 19th-century Seattle who also happened to be the father-in-law of Thomas Burke, for whom the UW’s Burke Museum is named.

After earning his degree, Indiana University in Bloomington offered him a teaching position, “the best new journalism job in the country that year, the big tuna. The salary was good. I would have had research money. I turned it down to be a freelance writer. I was a flat-footed, fact-driven journalist and it took me awhile to realize I could make things up and write novels,” he says. In fact, his first book, *This House of Sky: Landscapes of a Western Mind*, was a finalist for the National Book Award in the nonfiction category called Contemporary Thought. A memoir based on life with his father and grandmother, it has sold more than a quarter million copies.

With two other exceptions his books have been fiction, based on historical research. Much of that research has been done at the UW Libraries. “Absolutely, the UW Libraries have played a part in every book I have ever written. The UW has been the heart of the great blood system of material for me. The Special Collections stacks were open to someone like me in the old days. A real coup was nosing through those shelves to find out-of-copyright art, largely northwest coastal scenes, to illustrate chapter headings of *The Sea Runners*,” he says.

If Doig loves the UW Libraries, especially Special Collections, the sentiment is returned. Betsy Wilson, vice provost for digital initiatives and dean of University Libraries, is a fan. “Not only does Ivan give voice to people and places long forgotten in his books, but he has become an eloquent advocate for the critical role the libraries play in preserving our collective memory so that new stories continue to come to life,” she says. Doig has been the keynote speaker at two fundraising events

for UW Libraries. He even penned a piece for the UW Libraries newsletter, *Library Directions*. In it he recounts that when he was writing *This House of Sky*, he wanted to know the names of some of the nine saloons in White Sulphur Springs, Mont., in the late 1940s where the hired haying crews would go to drink. “My memory had come up short on a couple of the names of the saloons. Bob (Bob Monroe, Special Collections librarian from 1958 to 1980) led me down to his stacks, into the bibliophile equivalent of a wizard’s cellar and handed me the 1948 phone book for the town,” says Doig.

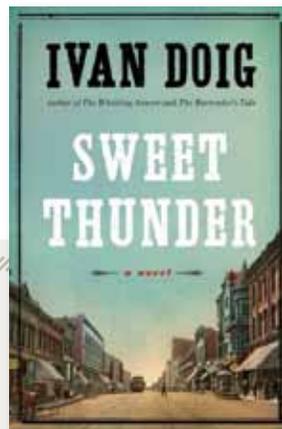
The Doigs’ home in the Innis Arden neighborhood is a perfect place to read and write. The neighborhood is replete with greenbelt reserves, Richmond Beach Park nearby, an intellectually nourishing setting for both Doigs. Their home was built in the Eisenhower years but was renovated about 20 years ago. The house is akin to Doig’s writing in that everything in it was chosen with care to be pleasing or functional. The living room with its maple floors, Northwest art and stunning view of the Sound is light and peaceful. The house is quiet. Doig and his wife each have studies downstairs. Doig’s desk is organized. There are note cards on it that he uses to jot down ideas for the next day’s work. There are six volumes of the *Dictionary of American Regional English*. “It tells you where they call them flapjacks, hot cakes, or pancakes,” he notes, adding with pleasure, “I’m in it 67 times.”

Behind his desk, he keeps small notebooks full of words and turns of phrase that he particularly likes. A quick look through one turned up the word “haunch,” in his neat handwriting.

Asked if he and Carol have any “haunts,” places in Seattle where they like to go, Doig hollers to his wife, “Carol, do we have any haunts?” From her study, she says that they don’t. Then Doig points to his desk. “This is my haunt,” he says. Doig writes for four hours every morning. In the afternoons, he rewrites and organizes file cards for the next day’s work. “There isn’t much lollygagging. They left the lollygagging part out of me in the assemblage,” he says.

Poet Linda Bierds, ’69, ’71, UW professor of English, has been a friend of his for 25 years. “Ivan probably has the greatest work ethic of any writer I’ve known,” she says, “but he can have fun.”

Some of the fun occurs in his front yard, where Doig can garden and bird-watch. But for Doig the best fun may be digging around in library archives and then bringing history to light through the stories his imagination kindles while his readers wait patiently for the next Ivan Doig to hit the bookstores. Doig said in his UW Libraries newsletter article “every book is a rare book.” That’s certainly true of his books. No one else quite captures the West of the past with such studied elegance, the West of Ivan Doig. ■ —Julie Garner is a Columns staff writer.



The throng lining the sidewalk oohed and ahed at the prospect of being in the picture, meanwhile making guesses about my importance. “I bet he’s some relative of Buffalo Bill’s. Look at that set of whiskers on him.” Trying to live up to all the attention, I patted Blaze’s neck, fiddled with the reins, straightened my hat. At least some of Armbrister’s hunch was paying off as, goons notwithstanding, the main display window with HENNESSY’S DEPARTMENT STORE in large golden lettering made a fetching backdrop, mannequins in cloche hats and flapper dresses indolently holding teacups, the mischievous implication there that since Prohibition had come in, “tea shops” served gin that way. Bobbing in and out from behind his viewfinder, Sammy called across the street to me, “Slow down a little, Morgie. I want to get the shot just as you pass the window.”

Blaze and I never made it past. As if in a strange dream, I still see the individual who looked like a drunken bum, appearing from the far side of Blind Heinie’s newsstand, suddenly plunge through the other onlookers and come stumbling out of the crowd to intercept us with something held like a bouquet. But no, too late I

saw it was a rolled newspaper he had lit with a match, and with it flaming like a torch, he made a last running lurch and thrust the burning paper under Blaze’s tail.

Put yourself in the poor horse’s place. Driven wild by its singed hind part, my steed left the earth, and came down frantically swapping ends, bucking and kicking. His gyrations whirled us onto the sidewalk, scattering onlookers and goons alike. My panicky cries of “Whoa! Whoa!” fell on deaf horse ears. As if we were in a steeplechase, Blaze’s next jump aimed straight for the maidenly tea or gin party, as the case may have been, crashing us through the big display window.

Flappers flew, teacups sailed. Ducking falling glass, I was low as a jockey, clamping to the saddle for all I was worth.

Sweet Thunder is available at University Book Store. UWAA members save 10%. www.ubookstore.com



By David Volk

Solid Lesson Plan

UW's focus on holistic education is reshaping childhood learning

AS ANY TEACHER WILL TELL YOU, there's more to education than just academics. Sure, it's important to teach students multiplication, how the respiratory system works and that the Norman Conquest occurred in 1066, but the details don't mean much when students aren't able to follow the lesson plan or keep up with the rest of the class.

In the past, kids who fall behind have long been labeled lazy, slow learners, learning disabled or mentally ill. The University of Washington's focus on a holistic approach to education, however, may not only keep more children from being left behind; it could also result in better outcomes, especially in inner city schools. The reason is simple, really. Instead of pondering why kids fall behind, the UW's approach stacks the deck in their favor by looking at the factors that may have unexpected effects on performance, ranging from social and cultural to physical and emotional.

The UW's effort is so comprehensive that it not only looks at kids from birth through the age of 20, it also covers a wide range of disciplines including psychology, sociology and medicine.

"If you were just looking at this from a disciplinary lens, you would say it's an academic problem," says Tom Stritikus, dean of the College of Education at the UW. "When you are interested in solving problems you have to tilt toward an interdisciplinary approach because problems aren't solved by looking at it from just one discipline."

The use of neuroscience is a case in point. The discipline plays an

important part in research at the Institute For Learning and Brain Sciences (I-LABS) where research focuses on the development of children's brains and minds through age 5. One of I-LAB's many projects looks at language acquisition, which is considered a major indicator of a child's ability to read. At the same time, the institute's Magnetoencephalograph creates a map of a young child's brain, which could eventually lead to the ability to diagnose potential disabilities early enough to do meaningful interventions.

Such early interventions are the stock and trade of the Experimental Education Unit. The school offers a comprehensive early childhood program that runs from birth through kindergarten for children with and without developmental disabilities. Rather than teach down to students with autism and other developmental disabilities, Director Ilene Schwartz says the program focuses on inclusion and teaching up so that all students will learn the skills they need to succeed across all domains including social, communications, cognitive and academic. Given the wide range of challenges in each classroom, it isn't always easy to teach the skills, but that doesn't discourage teachers in the program.

"You can bemoan that they don't know [the skill] well enough to

demonstrate it. If the child's not making progress, we need to change how we're teaching," Schwartz says. Success at the EEU often means more than just a little person's personal accomplishment. Since the school is also an incubator/research facility, the approaches that work are disseminated throughout the country.

"When I think about what we're doing with our toddlers, it's about access. I'm working on a program that can be implemented not just in Seattle, but Moses Lake and Wenatchee and Walla Walla," Schwartz says. The change may not only mean a difference in the way education works, but also in how people do their jobs.

School psychologists are a good example. Professor Jim Mazza says they've expanded their focus from testing and placement to include issues of childhood and adolescent mental health concerns such as non-compliance in the classroom, childhood anxiety and depression.

"If you have a child that's acting out in the classroom and a teacher keeps kicking him out, he can't learn," Mazza says. As part of the new approach, school psychologists consider what other concerns are causing the problem and help the student find coping skills that lead to better results as well as helping the teacher develop strategies to deal with challenging student behavior. "The belief is that the reason some of these kids may not be learning as much [is] because maybe they're being bullied, maybe they're depressed or have other mental health concerns. If you can work on the issues that make them feel safer, they're able to learn more," Mazza says.

Getting kids prepared to do academic work is just part of the battle, though. Showing them why their lessons are important also makes a difference, according to Phil Bell, director of the UW Institute for Science and Mathematics Education. "We do a lot of work to help students identify how what they are doing relates to their own per-

sonal interest," Bell says, pointing to an early program on health for fifth-graders. The unit asked students to look at what members of their community did to stay healthy or get better when they were ill, introducing them to microbiology in the process. Another more recent effort is an after-school program designed to get young girls in South Seattle interested in earth science by centering on the science of water and how it affects life in Puget Sound.

The efforts to connect the dots continue all the way through to college with the Dream Project. The program that pairs college student mentors with high school students does more than just ease the transition to higher education; it's also helping attract students who might not have considered themselves college material, Director Jenee Myers Twitchell says. In fact, the project that targets students in poorer school districts along the I-5 corridor between Seattle and Tacoma has proven so successful that 65 percent to 88 percent of the Dream Project participants in each school go on to college. That's compared to the 51 percent from each school that would otherwise opt for higher education.

Academics are also part of the holistic approach. The lessons remain, but how they are taught is being rethought. Elham Kazemi, professor of curriculum and instruction in mathematics education, for example, is helping schools in Seattle change the way they train elementary school teachers. Instead of having them leave the school to attend seminars, Kazemi has encouraged math faculty to meet regularly, plan their lessons together, try them out in a class, analyze student response and then go to another classroom and try again. In addition to encouraging teachers, it also helped improve the overall math performance of students in low-performing schools. High school students taking college level Advanced Placement courses in American History have also benefitted from a UW-initiated redesign.

The change became necessary after school-reform movements successfully pushed to have AP courses opened up to more students in an effort to include more low income students, says Walter Parker, College of Education professor of curriculum and instruction. Although the goal is admirable, Parker describes the courses as being "a mile wide and an inch deep." Because the learning was so superficial, many of the students didn't learn that much about the topic.

"Knowing a lot about a little is not necessarily learning," Parker says. "We are aiming for adaptive transfer, the kind of learning that enables people to apply that learning in novel circumstances in the future."

The UW's AP+ team responded with an alternative course that replaced lectures with experiential learning where students participate in a series of five simulations. In the unit on the Supreme Court, the students re-litigate classic court cases. In the project on elections, they play a variety of roles, including candidates, campaign managers and reporters.

Programs like I-LABS, EEU, AP+, the Dream Project and other efforts aren't just good ideas that are still being developed in the lab. Most have real-world applications that have been tested locally, many in underperforming schools in the area that stretches from Interstate 90 south to the lowlands of Kent, where only two out of every 10 students that start kindergarten will earn a college degree. "That's very different from many more affluent districts within the region," says Stritikus. "We think that's an unconscionable opportunity gap."

While some may see the numbers as being akin to a glass that's less than half full, Stritikus views it as an opportunity for higher education to redefine itself. "Our goal," says Stritikus, "is to improve education locally while serving as a national example of what's possible when the connection to practice meets rigorous research." ■ —David Volk is a frequent Columns contributor.

FOR THE LOVE OF ROBOT

ARTIFICIAL INTELLIGENCE | by Julie Garner

It all started with R2D2. The charming little droid was fussy, brave and friendly, worming its way into the hearts of *Star Wars* fans decades ago. R2 was a robot human beings could love.

Julie Carpenter, who earned her doctorate in education from the UW in June, isn't interested in fantasy movie robots. She wants to know something more serious: the social relationship between robots and their operators in the military.

When there is about to be a "fire in the hole"—the warning for an impending detonation—it's good to have a robot around. Today the U.S. military uses thousands of robots to defuse bombs. These robots often have cameras and are used for reconnaissance, surveillance and bomb disposal. They are used now more than ever to deal with deadly Improvised Explosive Devices (IEDs), which are the number one killer of soldiers in Iraq and Afghanistan.

Carpenter wants to determine whether the relationship soldiers have with these robots affects their decision-making. "The results showed that they all very clearly defined the robot as an important tool, yet they still struggled with how to interact with it," says Carpenter, who is turning her dissertation into a book for a small academic press. She reports that it's common for soldiers to dress up their robots and name them after dogs, girlfriends or wives. (One odd aspect of her work is that she has to change the nicknames of the robots to protect her research subjects'



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privacy.) “This is humorous, but the operator would describe that they saw the robot as an extension of themselves,” she says. Carpenter talked to one soldier whose robot was disabled. “He had worked with this robot for a long time, and when it was finally blown up, he put a sign on it that said ‘why me?’”

Internet postings bear out that some people seem to regard these robots as a pet or another person. Someone with the handle “mastersterling” posted a comment on reddit.com to someone who had lost a robot: “I am sorry for your loss. Some of the grunts I worked with lost a MARCBOT and they awarded him a Purple Heart, a Bronze Star Medal, and they did a full burial detail with 21-gun salute at Taji (Tajikistan). Some people got upset about it but those little bastards can develop a personality, and they save so many lives.”

A soldier using a robot to diffuse a bomb in Iraq or Afghanistan may conduct many stressful missions in one day. Sometimes the difference between life and death is the robot doing this danger-

IF YOU FEEL EMOTIONALLY ATTACHED TO SOMETHING, IT WILL AFFECT YOUR DECISION-MAKING.

ous work. Forming a bond with something that saves lives may be natural. Plus, there is a lot of maintenance required and the military operator ends up in kind of a caregiving role—cleaning the sand out of a unit and maintaining it.

But robots aren’t always on their game. Like people, they have bad days. “Sometimes they just poop out in the field; they fall over,” says Carpenter. Therein lies an emotional downside. When a robot fails, it often means a human being has to be put in harm’s way to dispose of the device. That person is usually not the robot’s operator; instead, it’s the team leader who has to put on the bomb suit and go to work. There is no margin for error. Because the robot operator can perceive the robot as an extension of himself, the operator can feel responsible when it fails, Carpenter says.

“The results show that there is a phenomenon happening that needs to be attended to,” says Carpenter. The robots soldiers currently use don’t look particularly like a person or animal, but they are moving toward more human and animal-like robots. “They actually do use robots right now that climb stairs, but they are continually developing robots with more nimble abilities—like climbing stairs with more agility or scaling different terrains more nimbly,” says Carpenter. She wonders if that will further affect the soldiers’ emotional attachments and decision-making.

“You don’t want someone to hesitate using one of these robots if they have feelings toward the robot that goes beyond a tool,” she says. “If you feel emotionally attached to something, it will affect your decision-making.”

As for R2, he never saw a real battlefield, but had a lasting imprint on humans; he was inducted into the Robot Hall of Fame in 2003.

[TEN MORE FROM THE *labs*]

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

no. 1-5

1. CLIMATOLOGY

More polar winds means more ice

A new modeling study to be published in the *Journal of Climate* shows that stronger polar winds lead to an increase in Antarctic sea ice, even in a warming climate. The sea ice uptick in Antarctica, however, is small compared with the amount being lost in the Arctic. > www.bit.ly/1f3yiKg

2. CANCER RESEARCH

Screening possible for leukemia gene

An aberrant gene has been found to cause the most common childhood cancer in the world, pre-B cell acute lymphoblastic leukemia. The discovery should make it possible to develop screening procedures to detect the gene in families who have a history of the disease. > www.bit.ly/19C5i8y

3. GEOPHYSICS

Deep sea circulation discovered

A UW study for the first time has recorded the activity of waves that break deep below the surface of the ocean. These skyscraper-tall waves transport heat, energy, carbon and nutrients around the globe and play a crucial role in long-term climate cycles. > www.bit.ly/1ewBdee

4. ATMOSPHERIC SCIENCE

First forecast for fisheries unfurled

UW researchers and federal scientists have developed the first long-term forecast of conditions that matter for Pacific Northwest fisheries. If the forecasts prove reliable, they could eventually be part of a new management approach that requires knowing and predicting how different parts of the ocean ecosystem interact. > www.bit.ly/14eIW8

5. BIOENGINEERING

Turning out the best TB test

A team led by UW engineers has created a patch with tiny, biodegradable needles that can penetrate the skin and precisely deliver a tuberculosis test. The current diagnostic test is difficult to give because a hypodermic needle must be inserted at a precise angle and depth. > www.bit.ly/18Wtjqc

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TECHNOLOGY

BRAIN BONDING

UW researchers have performed what they believe is the first noninvasive human-to-human brain interface, with one researcher able to send a brain signal via the Internet to control the hand motions of a fellow researcher. Using electrical brain recordings and a form of magnetic stimulation, professor of computer science and engineering Rajesh Rao sent a brain signal to Andrea Stocco, a research assistant professor in psychology at the UW's Institute for Learning & Brain Sciences, on the other side of the UW campus, causing Stocco's finger to move on a keyboard. At first blush, this breakthrough brings to mind all kinds of science-fiction scenarios. But Rao cautions that this technology only reads certain kinds of simple brain signals, not a person's thoughts. And it doesn't give anyone the ability to control your actions against your will. Stocco says the technology could eventually be used by someone on the ground to help a flight attendant or passenger land an airplane if the pilot becomes incapacitated. Or a person with disabilities could communicate his or her wish for food or water. The brain signals from one person to another would work even if they didn't speak the same language.—Doree Armstrong and Michelle Ma



BEHAVIOR

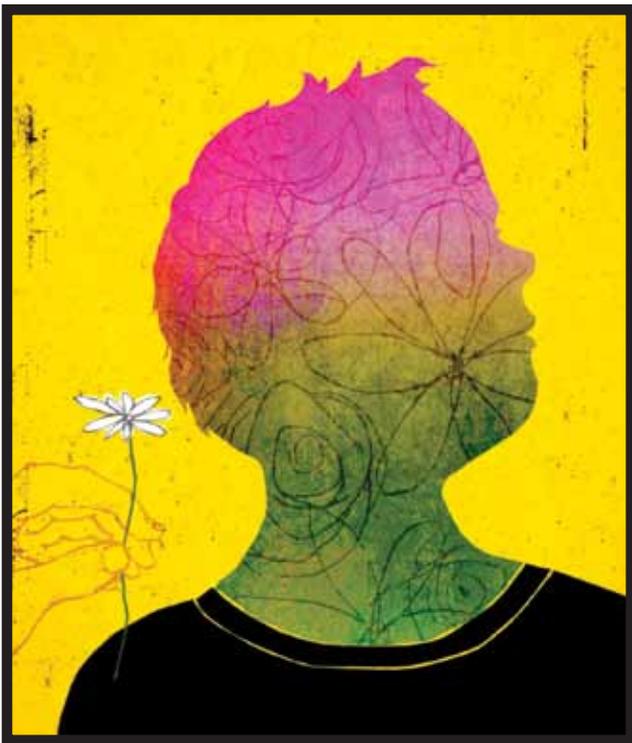
DISTRACTED DRIVERS

In Washington state's first study to examine driver use of electronic devices, UW investigators saw that more than 8 percent of drivers were engaging with such devices behind the wheel, higher than previously estimated. Among those driving distracted, nearly half (45 percent) were observed texting. The study looked at the behaviors of 7,800 drivers in six counties. Using randomized observations at controlled intersections, investigators recorded drivers engaged in a range of distracting activities, including texting and talking on the phone. Researchers found that the most common source of distraction was a hand-held device, such as a cell phone. Among the 3.4 percent of drivers who were talking on a hand-held phone, half were holding the device near or under the steering wheel. The study has important implications for state public health and law enforcement officials. Motor vehicle injuries remain the leading cause of death for Americans under 35 years of age. Estimates suggest that up to 28 percent of crash risk is attributable to cell phone use or text messaging in vehicles. While the use of cell phones in the United States has grown exponentially, enforcement of distracted driving laws has struggled to keep pace. Prior studies show texting while driving increases crash risk by 23 times, similar to driving with a blood alcohol level of 0.19.

RADIOLOGY |

AUTISM ONSET

Between ages 3 and 10, children with autism spectrum disorder exhibit distinct brain chemical changes that differ from children with developmental delays and those with typical development, according to a new study led by UW researchers. The finding that early brain chemical alterations tend to normalize during the course of development in children with autism spectrum disorder gives new insight to efforts to improve early detection and intervention. “In autism, we found a pattern of



early chemical alterations at the cellular level that over time resolved—a pattern similar to what others have seen with people who have had a closed head injury and then got better,” says Stephen R. Dager, professor of radiology and adjunct professor of bioengineering and associate director of UW’s Center on Human Development and Disability. Despite the encouraging finding, science has yet to pinpoint the when, what and why of autism’s inception. Discovering the earliest period that a child’s brain starts to develop a profile of autism spectrum disorder is crucial because, as the study acknowledged, “even a relatively brief period of abnormal signaling between glial cells and neurons during early development would likely have a lasting effect” on how a child’s brain network develops.—*Brian Donohue*

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6. EARTH SCIENCE

Quiet life of dormant magma

Reservoirs of silica-rich magma—the kind that causes the most explosive volcanic eruptions—can persist in Earth’s upper crust for hundreds of thousands of years without triggering an eruption, according to new modeling research released by UW scientists. > www.bit.ly/19Ezh3x

7. COMPUTER ENGINEERING

Channeling port to port power

UW engineers have created a wireless communication system that allows devices to interact with each other without relying on batteries or wires for power. The communication technique takes advantage of the TV and cellular transmissions that already surround us. > www.bit.ly/168vern

8. SOCIOLOGY

Where there’s abuse, there’s smoke

Researchers have long suspected some kind of link between childhood abuse and smoking. But a new study has uncovered a connection not between whether or not abused children will ever begin smoking but how much they smoke once they do start. > www.bit.ly/1c4ilVa

9. GENETICS

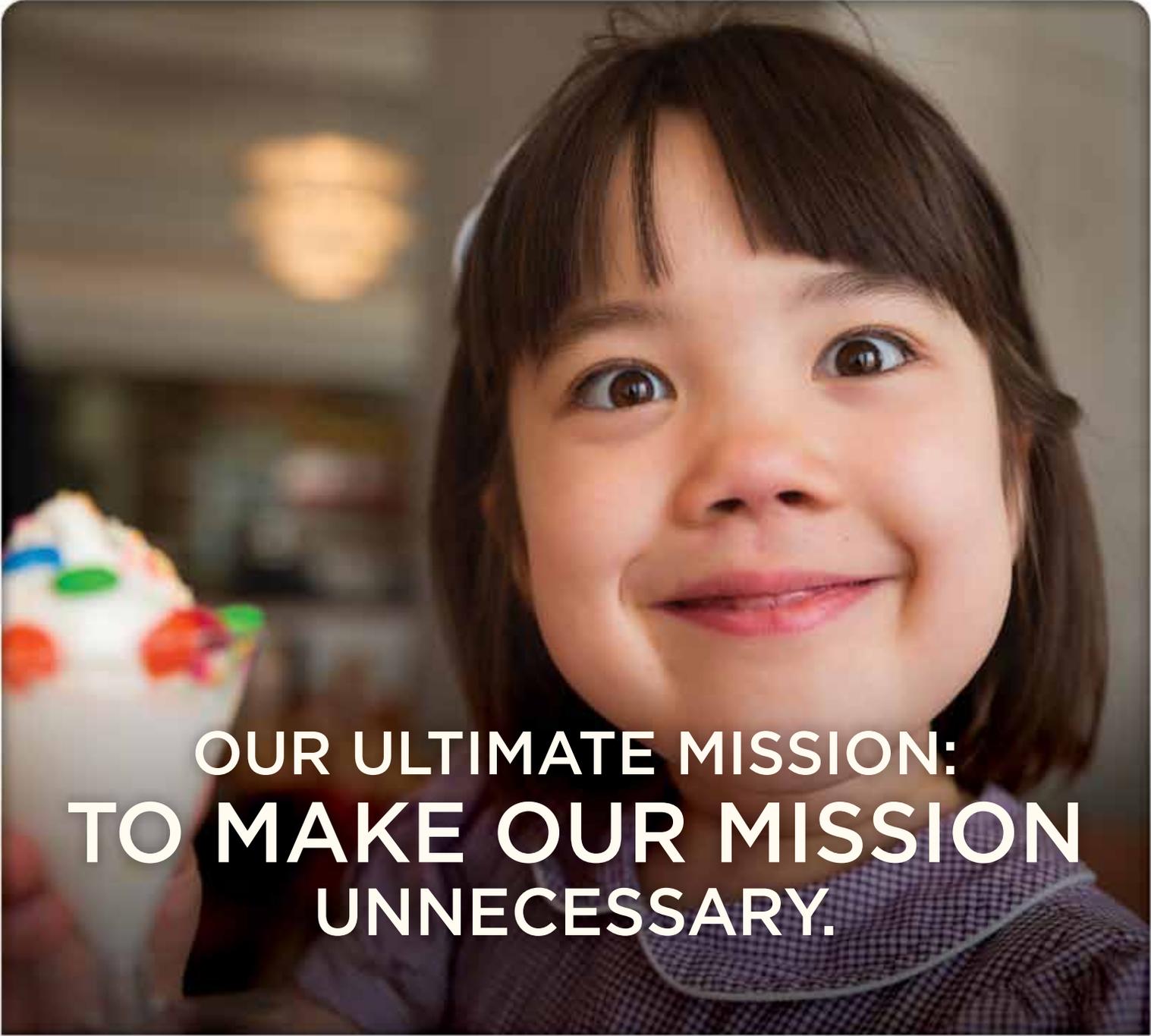
Epilepsy mutation to next generation

Some epilepsy patients who experience both seizures and speech abnormalities share mutations on the same gene. Clinical testing for this gene could now be done for individuals with epilepsy aphasia disorders who are wondering if they will pass on epilepsy to a child. > www.bit.ly/13T63tu

10. CANCER TREATMENT

Targeting ‘traitor’ tumor cells

UW scientists have developed a strategy to slow tumor growth and prolong survival in mice with cancer by targeting and destroying a type of cell that dampens the body’s immune response to cancer. Researchers predict this strategy could be used with chemotherapy. > www.bit.ly/1bnfpBT



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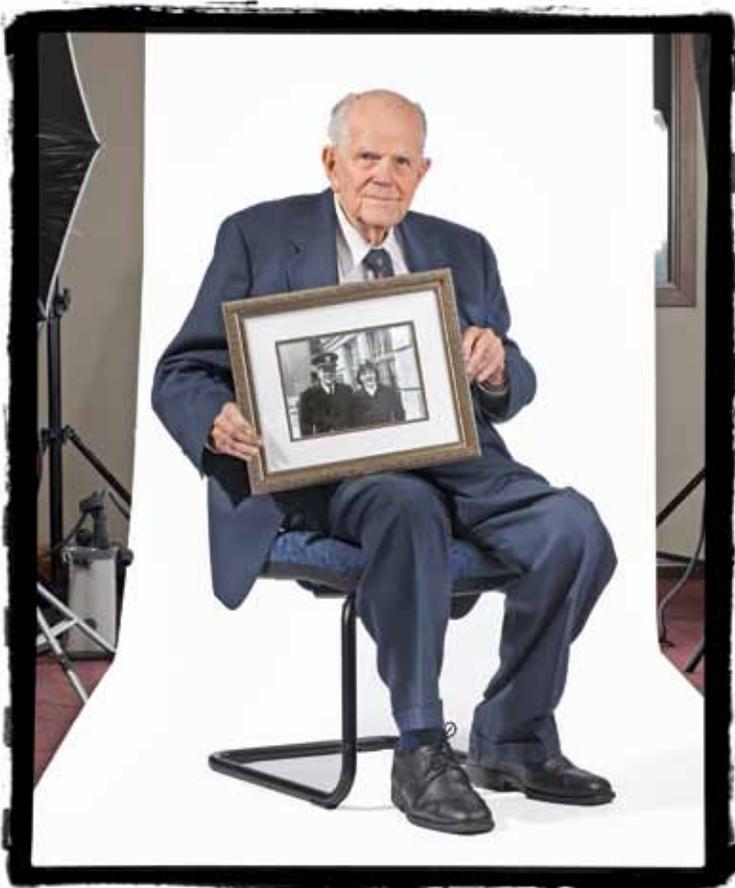
He survived a kamikaze attack, was on deck of the USS Missouri during the atomic bombing of Hiroshima and Nagasaki, and witnessed the formal surrender of Japan. After World War II, Charles Matthaei, '43, went on to become a Tacoma business leader, philanthropist and advocate for community health programs. For his service, he was honored in November as the second recipient of the UW Distinguished Alumni Veteran Award. Matthaei worked for the family business, Roman Meal, and under his

leadership, Roman Meal became the number one variety bread in the late 1970s. He was inducted into the Baking

★ CALL OF DUTY ★

CHARLES MATTHAEI
DISTINGUISHED ALUMNI VETERAN AWARD

Hall of Fame in 2008. The MultiCare Health Foundation and Center for Healthy Living named an award in 2009 after Matthaei and his beloved wife Helen, who died in 2012, for supporting their programs. The Boy Scouts of America and the Tacoma Rotary also honored him. Over the years, Matthaei maintained strong ties to the UW. In 2001, the Charles W.H. Matthaei Endowed Professorship in Chemical Engineering was established. And he was the 2003 Department of Chemical Engineering's Distinguished Alumnus.



RON WURZLER

Read the full version of this story: bit.ly/17jXyv9

The ROYALS



70,000 Husky subjects bowed and curtsied as Tony Vo and Annah Mwendar were crowned Homecoming King and Queen at the Oct. 26 football game at Husky Stadium. Vo, a senior from White Center majoring in American ethnic studies and public health, and Mwendar, a senior international studies major from Edmonds, each received a \$1,000 UWAA scholarship. Nice going.



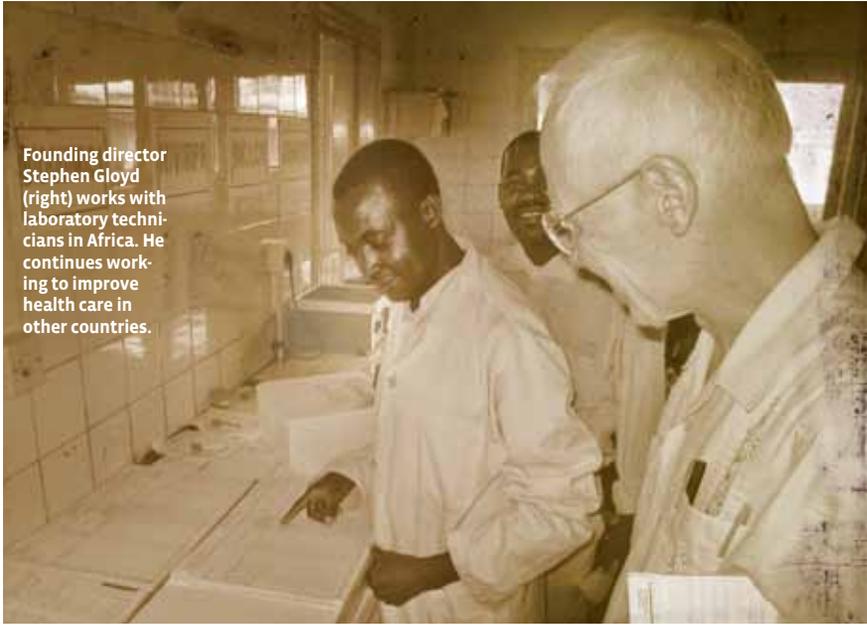
RON WURZLER (2)

Whole lotta Freshmen!

This fall, the UW welcomed the largest freshman class in school history—**6,255**—or more people than live in the town of Brier. Here are other highlights from the entering class of 2013:

- 4,211 (67%) are from Washington
- More than 30,000 applications were received
- 28.3% will be the first in their family to graduate college
- UW Bothell enrollment: 4,604 (4,077 undergraduates)
- UW Tacoma enrollment: 4,295 (3,587 undergraduates)

Founding director Stephen Gloyd (right) works with laboratory technicians in Africa. He continues working to improve health care in other countries.



COURTESY HEALTH ALLIANCE INTERNATIONAL

25 years of improving lives in Africa

H EALTH ALLIANCE International (HAI) is celebrating its 25th year of helping people in developing countries lead healthy lives. The organization has strengthened government-administered primary-care programs and fostered social, economic and health equity in Mozambique, Cote d'Ivoire, East Timor, Sudan and Ghana.

Stephen Gloyd, professor of global health and health services, founded the organization in 1987 with an initial grant from the earnings of Michael Jackson and Harry Belafonte's Grammy-award winning song, "We are the World." The idea for HAI, now an affiliated center of the UW Department of Global Health, was born out of Gloyd's experience as a line worker for the health ministry in Mozambique in 1978. A native of Seattle and self-described "child of the '60s," Gloyd did his residency at the UW and became the physician for the Fremont Birth collective. He was also active in Zimbabwean music and sending material aid to Mozambique, which led to his initial work there.

HAI isn't like Doctors Without Borders; they don't fly in to areas of turmoil to render aid. HAI also isn't like most non-governmental organizations (NGOs) that

come to a country, disperse money and supplies and then leave. HAI is all about providing primary health care and working with countries on what they determine are their needs. "We do lots of advocacy work; we are a justice and solidarity organization. Much of our teaching is based on this framework," Gloyd says.

Working closely with colleagues in Africa, they are making a huge difference in the communities where they serve. HAI played a key support role for the Mozambique government in making AIDS treatment universal and free throughout the country. Treatment for HIV is now widely available and Gloyd believes universal elimination of infections passed from mothers to infants is possible. HAI has also helped government clinics across the globe to provide quality care in spite of crippling austerity measures imposed on them.

As HAI celebrates a milestone, it is also marking a major transition.

Gloyd, who has served as director since its inception, is turning the reins over to James Pfeiffer, associate professor of global health and anthropology. The commitment to universal access to quality health care, though, will carry on the legacy that has been built since 1987. —Julie Garner

FUTURE OF ICE

Join us for The Future of Ice, a six-part lecture series that covers our polar regions from a variety of perspectives.

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PHOTOGRAPHER AND FOUNDER OF
EXTREME ICE SURVEY

JAN. 16 **TONY PENIKETT**
2013-14 UW CANADA FULBRIGHT
VISITING CHAIR IN ARCTIC STUDIES

FEB. 6 **JODY W. DEMING**
WALTERS ENDOWED PROFESSOR
SCHOOL OF OCEANOGRAPHY
UNIVERSITY OF WASHINGTON

FEB. 20 **PAUL NICKLEN**
PHOTOJOURNALIST AND AUTHOR

MARCH 5 **P. DEE BOERSMA**
WADSWORTH ENDOWED CHAIR
IN CONSERVATION SCIENCE,
DIRECTOR FOR THE CENTER FOR
PENGUINS AS OCEAN SENTINELS

MARCH 11 **SHEILA WATT-CLOUTIER**
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Lectures

Future of Ice*

Join us for a six-part series that covers our polar regions from a variety of perspectives.

Jan. 8 • James Balog—*When Mountains Move*

Jan. 16 • Tony Penikett—*Arctic Populations, Northern Security Issues and Emerging Forms of Governance*

Feb. 6 • Jody W. Deming—*Living in Sea Ice—It's a Wonderful Life!*

Feb. 20 • Paul Nicklen—*Polar Obsession*

March 5 • P. Dee Boersma—*Penguins as Ocean Sentinels*

March 11 • Sheila Watt-Cloutier—*The Right to be Cold*
UWalum.com/ice

Psychology Lecture Series*

The 9th annual series explores the science of decision-making.

Feb. 19 • Chantel Prat and Randall O'Reilly—*The Neuroscience of Good Decision Making*

Feb. 26 • Jeansok Kim and John O'Doherty—*How the Brain Makes Decisions Under Uncertainty*

March 5 • Susan Joslyn and David Budescu—*Communicating, Understanding and Using Uncertainty Information in Everyday Decisions*

*UWAA and UWRA members can register early
UWalum.com/psychology

Henry Gallery

Jason Dodge:

What We Have Done

Through Jan. 26 • Sculptor Jason Dodge draws upon objects from everyday life to explore their narrative potential.

<http://bit.ly/17jdNwc>

Katinka Bock: A and I

Jan. 25–May 4 • Using clay and found materials, Katinka Bock creates sculptural installations that explore the dimensions of space, history and archeology.

<http://bit.ly/1cYw3WM>

Haegue Yang: Anachronistic Layers of Dispersion

Through Feb. 9 • Korean-born artist Haegue Yang presents *Towers on String—Variant Dispersed* (2012/2013) and *Field of Teleportation* (2011).

<http://bit.ly/1cYw6SH>

Dance

Dance Faculty Concert

Jan. 22–26 • Showcasing original choreography by our internationally recognized faculty, this popular concert is performed by advanced dance students and occasionally includes faculty.

<http://bit.ly/1ceinKA>

Grupo Corpo

Jan. 23–25 • The electrifying Brazilian contemporary dance company Grupo Corpo combines the sensuality of Afro-Brazilian dance forms, the liq-

uid swing of jazz, and the technical prowess of ballet.

<http://bit.ly/17jdXUr>

Theater

Reefer Madness

Jan. 23–Feb. 2 • A musical satire of a 1936 anti-marijuana propaganda film of the same name.

<http://bit.ly/1aasqLJ>



BELA FLECK

Reading to Vegetables

Jan. 29–Feb. 9 • Tina Polzin, a student in our Professional Director Training Program (PDT), works directly with Portland-based playwright EM Lewis to create a Hitchcockian world of suspense.

<http://bit.ly/HbB1Vo>

Arabian Nights

Feb. 26–March 9 • PDT student Leah Adcock-Starr directs her first full-length feature production for the School of Drama.

<http://bit.ly/HhQnae>

A Map of Virtue

Feb. 27–March 9 • An exploration of the extremities of human relationships and the beauty of language, *A Map of Virtue* is a study in symmetry that switches freely between interview, poetry, scenes and silence.

<http://bit.ly/1aasqLJ>

Music

Opera Theatre

Dec. 6–8 • Thomas Harper directs students from the UW Opera Theater in scenes from *Maria Stuarda*, *The Magic Flute*, *Die Meistersinger*, *Cendrillon*, *Le Nozze di Figaro*, and *Rigoletto*.

<http://bit.ly/1aGnaxA>

A Far Cry

Jan. 16 • This collective's performances are known for precision, unity, and an exceedingly high caliber of musicianship.

<http://bit.ly/1a1a272>

University Symphony

Jan. 30 • David Alexander Rahbee conducts a concert of works by C.P.E. Bach and Joseph Haydn.

<http://bit.ly/1ahtgYB>

Brooklyn Rider and Bela Fleck

Feb. 4 • Brooklyn Rider is known for its work with Yo-Yo Ma's Silk Road project, its commitment to existing quartet literature and the creation of new works.

Béla Fleck, considered the world's premier banjo player, has won 14 Grammy Awards.

<http://bit.ly/17fVXXL>

University Symphony with Ludovic Morlot

Feb. 14 • Seattle Symphony Music Director Ludovic Morlot conducts selections from *Berlioz: Symphonie Fantastique*.

<http://bit.ly/1aGnk8e>

Music of Today featuring Andre Richard

Feb. 25 • A worldwide authority on the composer and his music, Andre Richard concludes a week-long residency at the School of Music at this concert featuring works by Luigi Nono and others.

<http://bit.ly/1bXfUQg>

Burke Museum

Elwha: A River Reborn

Through March 9 • Step into the journey of the Elwha River, based on a Mountaineers book of the same name by *Seattle Times* reporter Lynda Mapes and photographer Steve Ringman.

burkemuseum.org/elwha

Great Outdoors

Arboretum Walks with John Wott

Feb. 12 • Join us for a tour with former Arboretum Director John Wott in the Joseph A. Witt Winter Garden.

www.uwbotanicgardens.org/education

Master Pruner Series for Professionals

Jan. 30–April 10 • This 12-class series offers techniques for pruning trees, shrubs, roses and vines. Classes every other Thursday.

www.uwbotanicgardens.org/education

Regional

DC Huskies: Peter and the Starcatcher

Feb. 12 • Enjoy an engaging pre-show reception with co-producer and alum Richard Greene, '78, as well as a ticket to the smash production *Peter and the Starcatcher* at the Kennedy Center.

CA Huskies: Behind-the-Scenes at the Presidio

March • Bay Area Huskies and their families are invited to tour the Presidio grounds with alums Robert, '77, '83, and Christina, '85, Wallace, who help direct the Presidio Trust, offering an insider perspective on this historic San Francisco site.

UWalum.com/presidio

Author Events

Book Readings and Signings

Join us at University Book Store in the U-District. All events start at 7 p.m. Free.

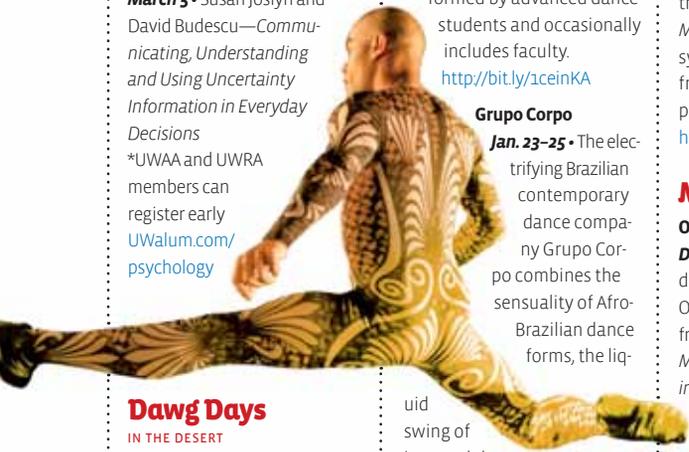
Jan. 28 • Ruth Ozeki, *A Tale for the Time Being*.

Feb. 11 • Roddy Doyle, *The Guts*.

Feb. 20 • Tom Zoellner, *Train*.

University Book Store holds author events all the time. Check our website for the most up to date schedule. UWAA members save 10% on all eligible purchases.

www.ubookstore.com



Dawg Days

IN THE DESERT

March 17–19 • Hear from Bill Ayer, '78, Alaska Air Group chairman and a member of the UW Board of Regents, at the Desert Scholarship Luncheon; enjoy the Desert Dawgs Golf Tournament; and join us at the home of Jim Houston, '55, for the 25th Chow Down to Washington.

UWalum.com/dawgdays

UW PRESS

Check out these titles now available at uw.edu/press



In the Spirit of the Ancestors

Contemporary Northwest Coast Art at the Burke Museum

Native Art of the Pacific Northwest: A Bill Holm Center Series. Published in association with the Burke Museum, this book edited by Robin K. Wright and Kathryn Bunn-Marcuse celebrates the vitality of contemporary Northwest coast art with splendid color photographs of works never before published. Contributors include artists, collectors, academics, tribal community members and curators at the Burke.



North Pacific Temperate Rainforests

Ecology and Conservation

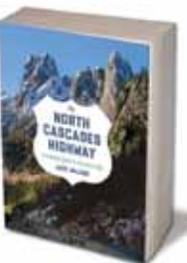
The North Pacific temperate rainforest stretches from southern Alaska to northern California and is the largest temperate rainforest on earth. Editors Gordon Orians, professor emeritus of biology at UW, and John Schoen consider how rainforests can be sustainably managed and balanced with human use.



Encounters in Avalanche Country

A History of Survival in the Mountain West, 1820-1920

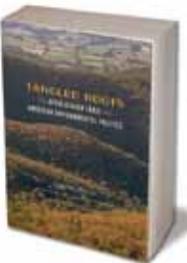
Through a historical examination of severe winter weather, *Encounters in Avalanche Country* by Diana L. Di Stefano combines tales of catastrophe and survival with mining, railroad and ski histories to provide a fresh and fascinating perspective on the settlement of the Mountain West.



The North Cascades Highway

A Roadside Guide

An illustrated natural history guide, this book by Jack McLeod helps travelers and readers appreciate the deeper beauty behind the landscape of Washington State's breathtakingly beautiful North Cascades Highway (State Route 20). Stunning color photographs, information on mileage and parking, and detailed maps make this an indispensable guide.



Tangled Roots

The Appalachian Trail and American Environmental Politics

Sarah Mittlefehldt's book tells the story of the Appalachian Trail's creation, one of the first projects in which the National Park Service created public wilderness space within heavily populated, privately owned lands. Today it remains an unusual hybrid of public and private efforts and an inspiring success story of environmental protection.



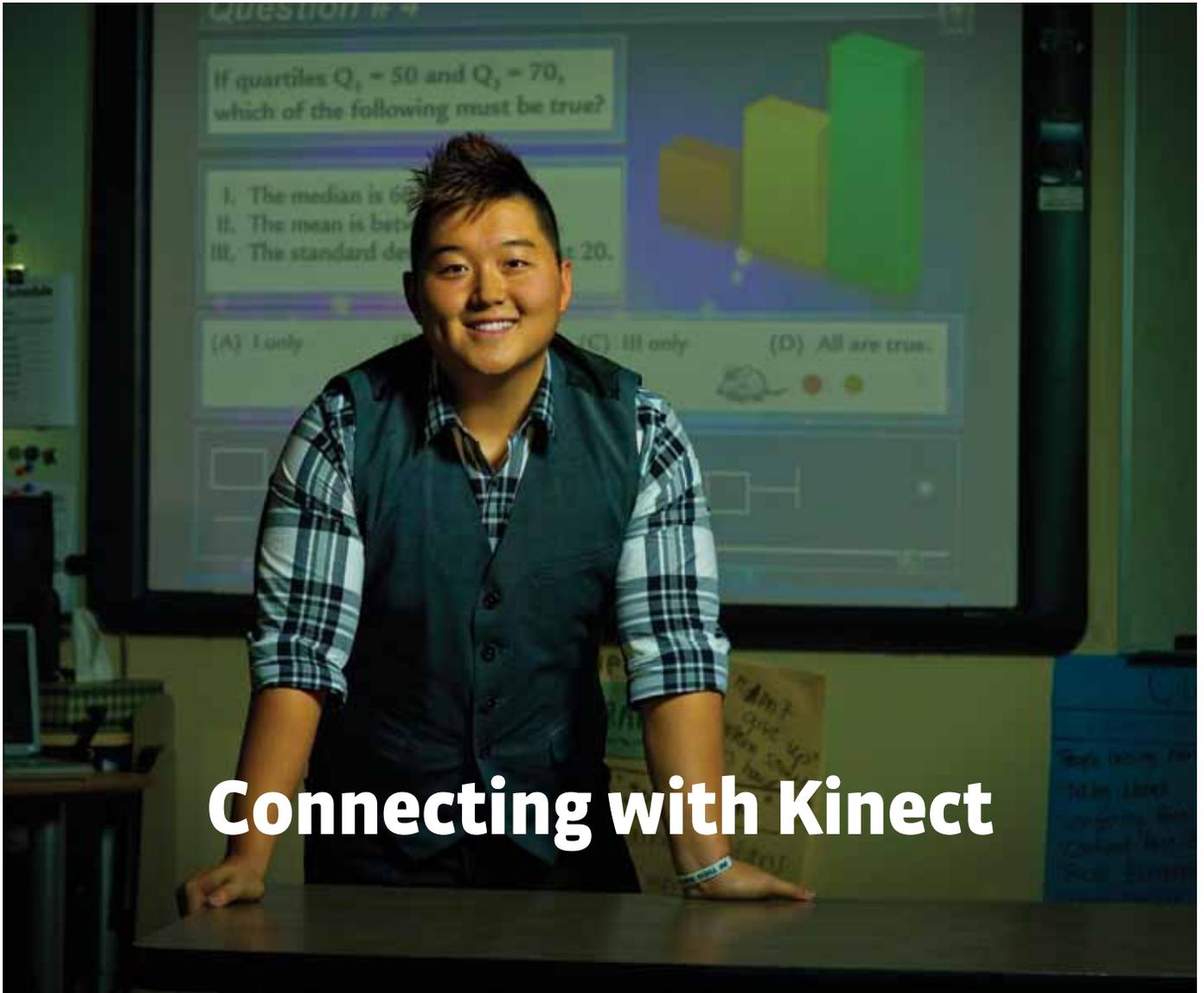
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Connecting with Kinect

UW Bothell grad student innovates to inspire teens learning math

JOSH KWON, A STUDENT TEACHER at Mariner High School in Everett, is willing to try just about anything to encourage his students to care about math. He performs card tricks for a quick lesson on probability. He adds music to his math lessons. And more and more, he turns to technology.

“Ever since elementary school, these students have had cell phones,” says Josh, who’s getting his master’s degree in Education at

UW Bothell and has a Mathematics degree from the UW. “Because they’re in a world where technology is so prevalent, why not use it to our benefit to engage them?”

In the winter, Josh plans to engage his classroom even further with technology familiar to most teenagers: video games. He and his students will use Microsoft’s Xbox Kinect, a gaming system that uses your body’s movements instead of a console to control

Watch a video about teaching with Xbox Kinect at giving.uw.edu.

MORE ON THE WEB



FROM THE UW FOUNDATION CHAIR



Supporting Future Teachers

After retiring from professional baseball, former Seattle Mariners star Edgar Martinez and his wife, Holli, headed back to school at the UW. “I did my undergrad work at UW Bothell, and that really was where my passion for building the foundation was born,” says Holli. The five-year-old Martinez Foundation supports teaching fellows at six universities in Washington state, including the University of Washington and UW Bothell. In 2012, Holli received the UW Bothell Distinguished Teaching Award, and earlier this year, the UW College of Education awarded Edgar and Holli its Distinguished Service Award, the college’s highest honor.

the action on the screen, for some math lessons, such as graphing lines. His mentor, UW Bothell Education Professor Robin Angotti, developed the application. Robin is a former high school teacher who’s researching ways to use technology to engage students.

Josh is the first to admit

that technology is only a tool, albeit one that’s interested him since he was seven and dissected his dad’s old computer. But when it comes to being a new teacher, it’s important to have lots of tools at your disposal. One of the most helpful ones to Josh has been access to mentoring and training through the Martinez Foundation, which in 2012 awarded him a fellowship.

Founded in 2008 by baseball legend Edgar Martinez and his wife, Holli Martinez, ’08, ’12, the Martinez Foundation provides fellowships to students at a number of Washington state universities to support teachers of color in underserved public schools.

“Not only does being a Martinez Fellow help me make personal connections with other educators, but it also gives me a large network of people who are willing to support what I do in the classroom,” says Josh, who has wanted to be a math teacher since ninth grade, when he was inspired by his algebra teacher.

Support through the Martinez Foundation includes professional development classes, training retreats and casual gatherings. “When we started the foundation we knew from research that new teachers often feel isolated,” says Holli Martinez. “We wanted to create a community of support for teachers like Josh.”

That support translates to assurance for Josh. “From my ninth-grade teacher to Professor Angotti and the Martinezes, I am who I am because of all the people who’ve helped me through the years. It’s been an avalanche of support and inspiration.”



Howard Behar

Q

How does supporting UW students help our communities?

A

Scholarships and fellowships help our students believe in their ability to make the world a better place. Josh Kwon is evidence of this. He is about to begin a career as a high-school math teacher, and the Martinez Fellowship helps give him the confidence to bring new innovation to education.

Technology alone can’t make our education systems better. You also need motivated teachers, and the world certainly has one with Josh. When I imagine the future, I see dozens, then hundreds, then thousands of students who are more excited about math because of him, at a time when math is an increasingly important skill. I have to congratulate Edgar and Holli Martinez on their foresight. They are helping to transform our public schools by supporting innovative future teachers like Josh.

The Martinezes and their foundation are part of a virtuous cycle. When they help students from the UW and other universities become successful teachers, they are helping the children of our state achieve. And that’s a ripple effect that’s invaluable.

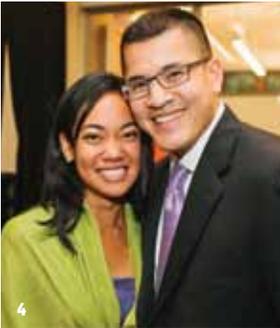
The UW Foundation advances the mission of the UW by securing private support for faculty, students and programs. To learn more about volunteer opportunities, email uwfdn@uw.edu or call 206-685-1980.

Out and About

UW FOUNDATION



gratitude



The Twelfth Annual Recognition Gala celebrated some of the UW's most generous supporters and volunteers on Sept. 6, 2013.

—1— Honoring their decades of service to the UW, **Jeffrey**, '64, '67, and **Susan Brotman** received the 2013 Gates Volunteer Service Award. The Brotman family joined in the celebration, including (from left) **Amanda Brotman-Schetritt**, **Antoine Schetritt** and **Justin Brotman**.

—2— UW Foundation Board Secretary **Jodi Green** and **Mike Halperin**, '85, '90.

—3— **Nancy** and **Charles Hogan**, '59.

—4— **Merisa**, '07, and **Daniel Heu-Weller**, '02, '08.

—5— **Edward**, '66, and **Karen Jones**.

—6— Office of Minority Affairs & Diversity's Associate Vice President for Assessment **Emile Pitre**, '69, and **Barbara Pitre**, Bruce Harrell, '81, '84, and UW Regent **Joanne Harrell**, '76, '79, and **Leslie Miles**, '83, '88, and UW Foundation Board member **Nate Miles**, '82.

—7— UW Director of the East Asian Library **Zhijia Shen**, **Mei-Yea Chiou Liao** and UW Foundation Board member **Paul Liao**, '72, and **Maria Koh**.

—8— **Douglas**, '61, '63, and **Joyce McCallum**, '62, with **Dubs**.



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Alumni and friends of the UW gathered to celebrate Husky pride at home and all over the world.

—1— CHINA HUSKIES: Alumni and friends in Beijing gathered for an event at the Ambassador's residence, presented by emcee **Su Cheng Harris-Simpson**, '89, President **Michael K. Young** and **Marti Young**, and Ambassador **Gary Locke**.

—2— CALIFORNIA HUSKIES: Host **Elizabeth Minigan**, '82, welcomed **W. John Mullineaux**, '82, and many more Huskies to her Sonoma home for a presentation about the UW's Integrated Design Lab, featuring Assistant Professor of Architecture **Heather Burpee**, '08.

—3— FOOTBALL FESTIVITY: **Sherelle** and **Clyde Walker**, '77, attended the Celebration in the newly renovated Husky Stadium.

—4— LAW DAWGS TAILGATE: **Linda Norman**, '85, and **Daniel Satterberg**, '82, '85, joined School of Law alumni for a tailgate fête at Husky Stadium.

—5— W DAY: UWAA President **Mike Egan**, '90, celebrated the UW's 152nd birthday at W Day with his kids, **Mabel** and **Jack**.

—6— STADIUM JUBILATION: **Charles** and **Barbara Ackerman**, '63, joined **Nancy** and **Douglas Boyden**, '63, to celebrate the reopening of Husky Stadium at the Celebration in the Stadium.

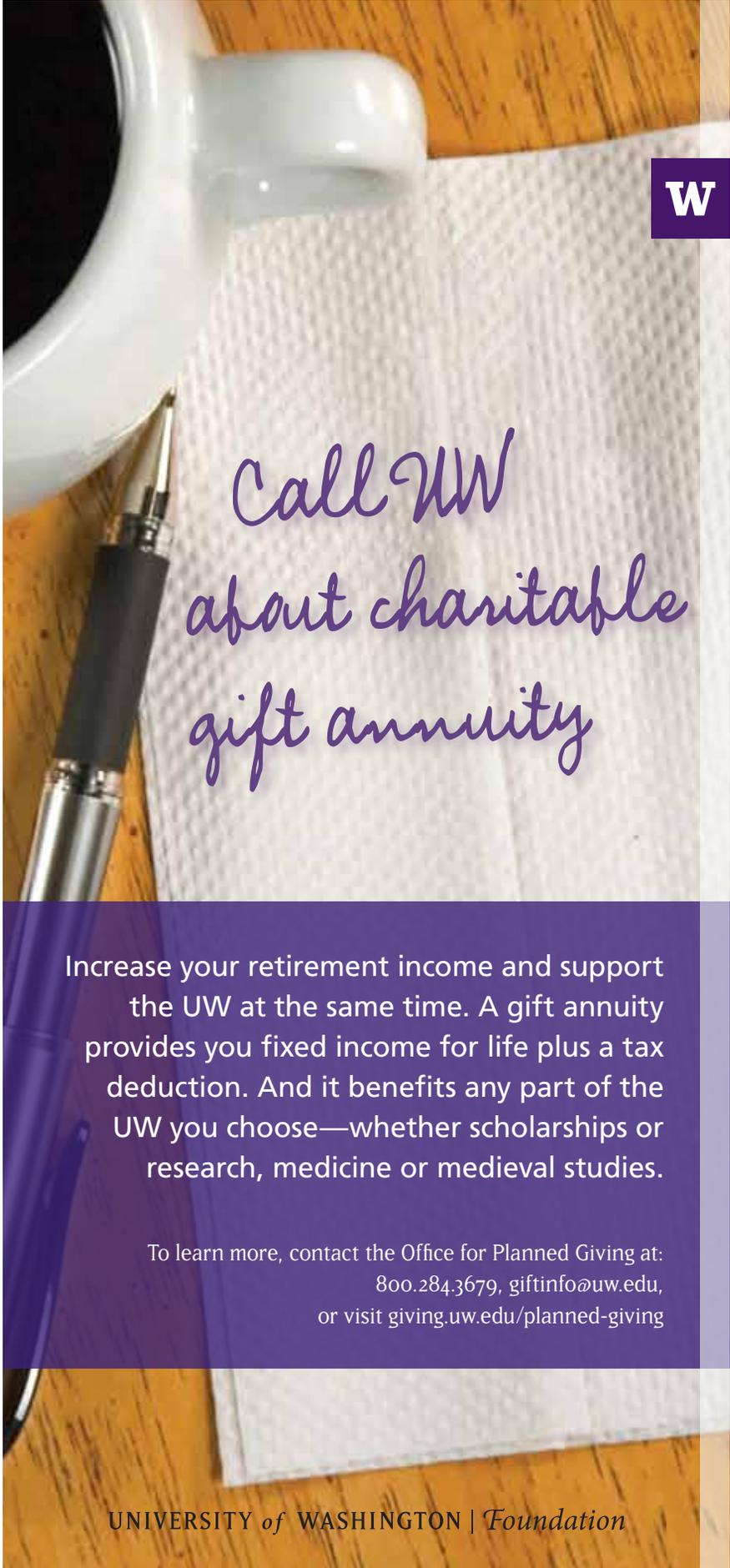
—7— BIG DATA INITIATIVE: New York University's **Yann LeCun**, **Ed Lazowska**, **Bill & Melinda Gates Chair** in Computer Science & Engineering and director of the eScience Institute, **Josh Greenberg** of the Alfred P. Sloan Foundation and **Chris Mentzel** of the Gordon and Betty Moore Foundation announced

a \$37.8 million research initiative on Big Data in Washington, D.C.

—8— SCHOLARSHIP BREAKFAST: **Alfredo Arreguin**, '67, '69, and **Thaddeus Spratlen** attended the Multicultural Alumni Partnership's 19th Annual Bridging the Gap Breakfast, a scholarship event that supports economically disadvantaged UW students.



W



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UNIVERSITY of WASHINGTON | *Foundation*

Standing Strong

It's been an exciting fall to be a Dawg! The opening of a renovated Husky Stadium, sold-out arts and lecture events, a salute to our veterans in November, and meeting thousands of purple-clad fans at Washington Warm Ups in Chicago, Stanford and Pasadena. From Homecoming to the UW Gala, the year is off to a fast start, with UWAA events on the calendar daily.

We now prepare for the winter season and the state legislative session, commencing Jan. 13. Legislators will again face daunting challenges that could impact our University for decades. We were relieved last June, upon hearing the state reinvested in the UW, allowing the University to hold resident undergraduate tuition at current rates.



This is just a start though, and we must continue to voice our support for this institution that benefits so many. I invite all fellow alumni who live in Washington to read the insert in this issue of the magazine (if you live out of state, please go to UWalum.com/columns). It's also important to learn about the work of the UW Futures committee and its recent recommendations. As well, I hope you'll get to know and become involved in our own advocacy organization, UW Impact.

Huskies who are educated, connected and concerned, embody an active alumni association we can all be proud of.



MIKE EGAN, '90

UWAA President, 2013-2014

Destinations

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UW ALUMNI TOURS

TRAVEL
LOG
ENTRY

7

On the Ground

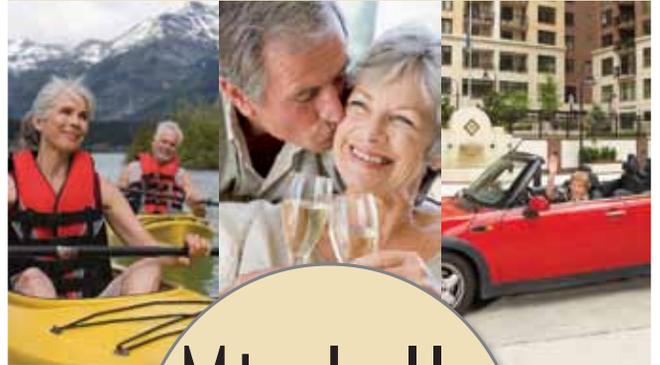
Nothing builds relationships like camping in tents, gathering around a campfire trying to stay warm and dry, while sharing an outhouse. That's how I got to know Tina McColum and her husband on a two-night kayak trip to the San Juan Islands back in 2007. A few years later, Tina joined us for another trip, this time to Peru. There, she connected with a travel director named Ernesto Riedner, and a wonderful friendship blossomed. After four years of working together, Tina, who is president of the Snoqualmie Sister Cities Association, and Ernesto finalized a sister-city partnership between Snoqualmie and Chacacayo, Peru. The goal? An ongoing exchange between students teachers, artists, and others, who will travel from Washington to spend time in Peru and vice versa. "People who travel become global citizens who learn something about the world and themselves," Tina says. We couldn't agree more!

—PAULINE RANIERI / DIRECTOR, UW ALUMNI TOURS

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Sea salt is typically made in coastal areas where the climate stays warm and dry most of the year, but **Brady Ryan**, '10, doesn't like to do things conventionally. In 2012, he started San Juan Island Sea Salt, harvesting sea salt in the Pacific Northwest using techniques he began learning at UW. ■ Ryan started to think about locally sourced food while spending free time at the UW Farm. On winter break in 2008, he and some friends boiled salt water as an experiment, making holiday gifts from the salt they produced. After graduation, Ryan learned how to build greenhouses while working on a vegetable farm in Duvall. That's when he got the idea to use this skill to create something local and marketable to island tourists. ■ Most sea salt on the market is 99 percent sodium chloride; Ryan's salt is about 85 percent. He's not interested in that last 14 percent, though. He's more interested in having a simpler salt that more naturally reflects the taste of the Salish Sea surrounding San Juan Island. ■ It's there, on his parents' 40-acre property, where friends and family volunteer May through September to help harvest the salt in 90-foot-wide greenhouses. Inside each is a pond filled with three inches of filtered salt water. With insect mesh covering the openings, the greenhouse doors are left open for wind to flow through, extracting the humidity inside. After about a month's time, salt rises to the pond surface. ■ "The salt that comes out is extremely coarse; it's a jumble of every shape imaginable, from cubes to flakes to pyramids and tiny pieces," says Ryan. He then grinds and sifts the salt until it forms into something visually appealing. "We want to push people a little beyond table salt, but not completely scare them away." ■ Ryan packages his salt in wide-mouthed glass jars with a distinctive logo representative of the geography of San Juan Island. He sells it at farmer's markets, online (<http://www.sanjuanislandseasalt.com/>) and in specialty stores in the area. Enjoying a seasonal lifestyle, Ryan tends 15 beehives and an orchard when he's not harvesting his salt. Eventually, he hopes to expand his business to other local food products. ■ "Over the last year, I've come to a fuller realization of what this product really means to me," says Ryan. "At first, it was just a fun little gimmick, but now it's actually an expression of who I am and where I come from."

Alumni PROFILE

STORY by LEIGH TUCKER

PHOTO by KAREN ORDERS

❖ **The Center** for Commercialization (C4C) New Ventures Facility at UW has been named in a ranking of the top university business incubators in the world by the 2013 University Business Incubators Global Index led by a group in Stockholm, Sweden. The facility's programs were among the top 10 globally and the top five nationally in several categories.

❖ **Mohamed Ali**, '08, a Somali refugee with a master's degree from the School of Public Health, was recognized as a Champion of Change by the White House for his actions that saved lives last year during a winter storm.

❖ **The UW's** College Assistant Migrant Program (CAMP) was ranked No. 1 nationally for scoring 100 percent on a pair of federal performance measures.

The program, administered through the Office of Minority Affairs and Diversity, supports students from migrant and seasonal farming families to persist through their first year of college and on toward graduation. The Department of Education announced the award.

❖ **Caryn G. Mathes**, general manager of WAMU, the premier National Public Radio affiliate in the Washington/Baltimore area, has been named general manager of KUOW. She has a bachelor's degree in professional journalism from Indiana State University.

❖ **Women's golf** coach Mary Lou Mulfur will be inducted into the Women's Golf Coaches Association Hall of Fame in December.

Now in her 31st season as head coach, she

has led UW to 20 consecutive NCAA regional appearances and nine trips to the NCAA championships.

❖ **Three faculty** members have been elected into the Institute of Medicine, one of the most prestigious honors in health and medicine. They are Janis L. Abkowitz, '82, '83, Frederick Appelbaum, and Bruce M. Psaty, '86.

❖ **The University** District Farmers' Market celebrated its 20th anniversary in 2013. The market, founded and run by Chris Curtis, '73, also moved to a new location on the "Ave."

❖ **NWBioTrust**, a collaboration of the Fred Hutchinson Cancer Research Center, the UW and Seattle Children's, has opened its doors. The entity provides donated biospecimens for researchers working to improve prevention, diagnosis and treatment of human disease.

❖ **Three UW** alumni received Boeing's top invention award: Kevin R. Davis, '91, Dennis Lewis, '04, and Shuguang Song, '98, '01.

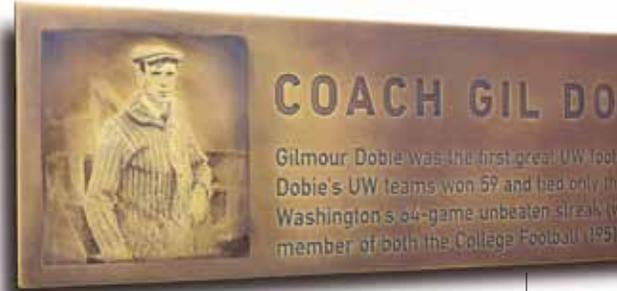
❖ **The Scholarship** Committee of Seattle's Woman's Century Club presented senior Christine Ito with a \$2,000 scholarship recognizing academic excellence and community service. She was also crowned "Japanese Queen of Washington" in May.

❖ **Gary Bratlin**, former Husky Marching Band graduate assistant from 2008 to 2011, has been selected to be assistant director of bands and assistant professor of tuba and euphonium at the University of Central Missouri. He earned the doctor of musical arts in conducting at the UW last year.



KELLY'S CAUSE

Nothing like a few jellyfish stings, a bike crash, powerful head winds or running 13 miles in the dark was going to keep Kelly Miyahara, '00, from the finish line at the Ironman World Championships in Kona in October. Miyahara, who works on the TV show *Jeopardy*, was competing to honor a friend, Marisela Echeverria, who was killed in a bicycling accident last year while training for the same event. Adorned with temporary tattoos of her friend's name on her wrist and calf, Miyahara finished in 14 hours 3 minutes and 33 seconds, all the while raising \$31,000 for the Leukemia & Lymphoma Society. "It was an incredible day," Miyahara recalls. "It was a huge honor to honor my friend and make her proud."—Jon Marmor



DOBIE'S DUE

Ninety-seven years after he coached his last football game at the UW, Gil Dobie was finally honored with a plaque at Husky Stadium. Dobie, who died in 1948, went 58-0-3 during his nine years as Husky coach from 1908 to 1916. The plaque, which was unveiled in October on the Neal Dempsey Coaches Walk of Honor, was the result of years of work of a committee led by Lynn Borland, '66, a Los Angeles businessman who published a biography of the late Husky coach. Three generations of family members representing Huskies who played for Dobie were in attendance. Says Borland: "The [Dobie] family felt such recognition was long overdue and are now thankful that it's finally a reality."—Jon Marmor

❖ **John E. Schaufelberger** is the new dean of the College of Built Environments. He has been at the UW since 1994.

❖ **The UW Bothell** is Washington's fastest growing college campus. The campus has 4,500 students.

❖ **J. Patrick Nobel**, UW Marguerite Corbally Professor of Public Service, was appointed to the inaugural Seattle Port Commission's Ethics board. Also appointed was Gerry Alexander, '58, '64, former chief justice of the Washington Supreme Court.

❖ **New Lander Hall** will open its doors in January 2014 featuring spacious rooms with configurable furniture, plenty of windows, pedestrian-friendly walkways and Local Point, a new restaurant. Amenities include in-room bathrooms, Wi-Fi and Ethernet Ports.

❖ **Uri Shumlak**, professor of aeronautics and astronautics, has been named vice president and president-elect of the University Fusion Association. The

organization advises the Department of Energy.

❖ **The UW** was tied for 16th place among public universities for its undergraduate program in the most recent edition of *America's Best Colleges* released by *U.S. News & World Report*. The UW was also ranked 13th nationally by *Washington Monthly* and 16th among 500 universities around the world by Shanghai Jiao Tong University for its academic and research performance. *Washington Monthly* also ranked UW ninth among national universities in "Best Bang for the Buck."

❖ **Dr. Sherwin R. Shinn**, '74, has been awarded the American Dental Association's 2013 ADA Humanitarian Award. Shinn has provided dental treatment in more than 40 countries as co-founder of both International Smile Power and For World Wide Smiles. Locally, he works with Lindquist Dental Clinic for Children, a nonprofit that treats children from low-income families.



While in graduate school, **Julie Kientz** had a nightmare that any college student could relate to: she could see her classmates going to class and studying together, all while they could see her sleeping the day away. When the admitted night owl finally woke up, she hatched the idea for Buddy Clock—a “peer pressure alarm clock,” as she calls it. Buddy Clock kept tabs on when she went to bed, woke up in the morning and if she hit the snooze button before class. ■ Kientz knew

she was onto something when a few friends she’d recruited to use the mobile tool started asking about their own sleep patterns: “Do you have data? How did I sleep over the last couple weeks? Can I look at my graphs?” ■ That sense of discovery spawned a career predicated on using technology to help others and improve their health. Kientz brought that passion to the UW in 2008 and, most recently, was named one of *MIT Technology Review’s 35 Innovators Under 35* for 2013. ■ Shortly after arriving at the UW, she partnered with the UW Medicine Sleep Center and School of Nursing to continue her sleep studies. Her motivation was driven in part by two disparate factors: people were interested in healthy sleeping habits but, at the same time, didn’t do much about them. “It takes a back seat for many people,”

Kientz says. “People are really bad about knowing the impact a lack of sleep has on them.” ■ Enter Lullaby. The digital toolkit—currently a prototype—mixes sensors, cameras and a tablet computer to record the environmental factors that might impact someone’s sleeping habits—namely temperature, noise levels and the brightness of the room. Lullaby is one of many projects Kientz has been a part of since joining the UW as an assistant professor in the Department of Human Centered Design & Engineering and an adjunct assistant professor in the Information School and Computer Science & Engineering. ■ She has worked on tech tools to help parents track the growth and development of infants, digital yoga lessons to help the blind, mobile tools to help the visually impaired locate objects around the house and more. The common thread through each project is a desire to help people through new technology. That drive was readily apparent when Dr. Nathaniel Watson, co-director of the UW Medicine Sleep Center, first met Kientz to discuss Lullaby. “She really tries to think about things that others may not,” he says. “I’m excited about the potential of her work.”

Faculty PROFILE

STORY by **MATT WASTRADOWSKI**

PHOTO by **KAREN ORDERS**

Class Notes

WHERE THEY ARE NOW

1950

DAVID WOOD, '52, has marked 35 years as a lobbyist in Olympia that has resulted in more public scrutiny of children's courts, saving disability centers and more. He and his wife, Joyce, have six children. He was editor of the *The Daily* and is a life member of the UW Alumni Association.

1960

RICK SUNDBERG, '66, received the 2013 Medal of Honor from the American Institute of Architects Seattle in recognition of his work mentoring the students.

WILLIAM G. CHRYSTAL, '69, '70, received an honorary Doctor of Divinity from Eden Theological Seminary in St. Louis.

1970

JACKIE SPURLOCK, '71, has been appointed branch manager of the downtown Vancouver Community Library in Vancouver, Wash. Spurlock previously was the branch manager of Battle Ground Community Library.

RICHARD BENNETT, '76, published a memoir *The Travels and Adventures of Our Pleasure: A Family's Nine-Year Sailing Adventure Around 95 Percent of the World*.

1980

ROBERT HORTON, '80, was approved for the Fulbright Specialist Roster for a five-year term in which he will be available for teaching, consulting and advising at institutions overseas. Horton has been reviewing movies for *The Herald of Everett* for 30 years.

DAVID AVERILL, '81, is interim associate dean for curriculum at The Commonwealth Medical College in Scranton, Pa., where he is professor of physiology.

BRIGITTE TENNIS, '81, '82, is one of 50 teachers profiled in a book *American Teacher: Heroes in the Classroom* by Katrina Fried.

ELIZABETH LINNEMANN HILL, '82, is the owner of The Common Thread in Sequim.

TERESA VAUGHN, '84, joined Kindred Healthcare, Inc., as director of case management for its First Hill location in Seattle.

LETA GORMAN, '89, has been named to the Top 25 Women Oregon Super Lawyers list. She is a shareholder at Jordan Ramis PC of Portland and her law practice specializes in insurance coverage and defense.

Class notes from the decades of 1990 and 2000 can be found at: uwalum.com/columns

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In Memory

ALUMNI

1930

CONNIE DALLAS, '35, Seattle, age 100. • MARIE ANDERSON MALONE, '36, Seattle, age 98, July 31. • MARY ROBERTS WALTZ, '36, Bellevue, age 99, Aug. 3. • MISHA E. ROBINSON, '39, Seattle, age 97, Aug. 6.

1940

CHARLES L. ALTIER, '40, Bellevue, age 94, Feb. 21. • CHARLOTTE JUNE (LIND) FLETCHER, '40, Seattle, July 11. • CLEATA GUNN McINTOSH, '40, Lake Forest Park, age 95, June 28. • GORDON WAYNE DICK JR., '42, Seattle, age 92, July 12. • CRANSTON DUNLOP RAYMOND JR., '42, Bellevue, age 97, June 20. • FRANCES BURD, '43, Yakima, age 92, Aug. 23. • DONALD DeFOREST FLEMING, '43, Bellevue, age 92, Aug. 4. • JOHN ILLMAN, '43, Nordland, May 20. • SHERLIE ANDERSON MCCARTHY, '43, Seattle, age 92, Aug. 16. • JANE MARION PAGE, '44, '70, Seattle, age 90, June 13. • MARK E. KNOELL, '45, Mill Valley, Calif., age 89, July 11. • DIANA VIOLET WHITE ADAMS, '46, Seattle, age 89, Sept. 6. • GENE W. HALSEY, '46, Woodinville, age 90. • JACK G. CAHOON, '47, Mercer Island, age 89, July 11. • MARJORY DALE BYLSMA, '48, Federal Way, age 87, April 18. • PEARL I. BOSTROM, '48, Seattle, age 93, July 4. • VIRGINIA WESTLAKE FRAAS, '48, Bellevue, age 87, Sept. 9. • PATRICIA DELORIS FRAZIER, '48, Portland, age 86. • R. BLAKE HUTTULA, '48, Elma, age 91, November 2012. • ROBERT D. SKIDMORE, '48, '52, Colville, age 87, Aug. 8. • ROYAL ROY EDWIN PIRIE JR., '49, Snohomish, age 88, July 17. • IRMA MARMION, '49, Seattle, age 86, Aug. 17.

1950

LOUIS BAROH, '50, Mercer Island, age 88, Sept. 12. • RAMON C. BOILEAU, '50, Seattle, age 88. • FLETCHER READY BURRUS, '50, Anchorage, age 85, Aug. 14. • JAMES ROBERTS CRIDER, '50, Seattle, age 93, July 15. • FRANK HERMAN HOPKINS, '50, Bellevue, age 86, July 17. • DON EDWARD RICKETTS, '50, Edmonds, age 86, Aug. 6. • J. DIMMIT SMITH, '50, '53, Burien, age 89, Sept. 13. • HENRY A. VANHOUTTE, '50, Seattle, age 84, July 4. • JOY ANN HOLBERG CAREY, '51, Seattle, age 83, July 14. • MARDETTE D. DEGARMO FLODIN, '51, Bellevue, age 83, Aug. 4. • HOWARD C. GILBERT, '52, North Bend, age 89, Aug. 26. ELIZABETH L. "BETTY"

THE UW MOURNS THE PASSING OF THESE DISTINGUISHED FORMER FACULTY AND UNIVERSITY SUPPORTERS



RHEBA DE TORNYAY, dean emeritus of the School of Nursing from 1975 to 1986. She led the school to the No. 1 national ranking in 1984, a position it still holds today. She died Sept. 27 at the age of 87.



VINCENT G. KOKICH, '71, '74, affiliate professor of orthodontics who helped establish the School of Dentistry as one of the world's leading centers for orthodontics education. He died July 24 at the age of 68.



ARTHUR WHITELEY, professor emeritus of biology and a renowned sea urchin expert. He founded the Helen Riaboff Whiteley Center at Friday Harbor Laboratories. He died April 15 at the age of 96.

HALEY, '52, Fort Collins, Colo., age 84, Aug. 4. • ALVIN J. NOVACK, '52, Redmond, age 88, July 27. • IRVING DAVENPORT SMITH JR., '52, Seattle, age 93, May 25. • KEN MURAKAMI, '54, Palatine, Ill., age 89, Aug. 10. • CHARLES L. EDEEN, '55, Everett, age 81, April 14. • DONALD GUY FLYE, '55, Federal Way, age 80, July 17. • SALLY MARIE MORRISON, '55, Federal Way, age 79, Sept. 8. • ELLEN LARSON, '55, Everett, age 79, Aug. 28. • MABEL WINSLOW JENNERSON STARK, '55, Seattle, age 81, Aug. 22. • DAVID BRUCE WILLIAMS, '55, Bremerton, Sept. 22, 2012. • HAROLD E. KLOES, '56, Puyallup, age 85, Sept. 25. • LARRY LAFFAW, '56, Port Orchard, age 79, July 30. • RICHARD RUDOLPH ROLLA, '56, '61, Bellevue, age 83, June 18. • ROBERT GLEN BURKE, '57, Kirkland, age 78, May 20. • JAMES GRAHAM CAIRNS, '58, Bainbridge Island, age 76, Aug. 3. • PHILLIP A. KIEBURTZ, '58, Palm Desert, Calif., age 77, June 28. • EDWARD BRANDON DeGROOT, '58, Des Moines, age 86, July 28. • SABURO "SAM" NAKAGAWA, '58, Seattle, age 90, Sept. 10. • MARY JANE RICHARDS, '58, Bellevue, age 91, Sept. 3. • KENNETH R. WILSKIE, '59, '62, '64, Seattle, age 78, Sept. 17.

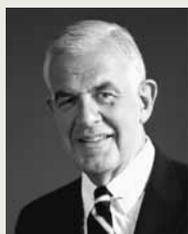
1960

CHARLES MANLY FRY, '60, Seattle, age 75, Sept. 25. • SHARYN M. RICHARDS, '60, Mukilteo, age 75, Aug.

14. • HELEN JOSEPHINE McNEIL, '61, Seattle, age 88, Aug. 8. • BRIAN LYNN HAAS, '62, Sunnyside, age 76, Sept. 18. • CLAIRE C. "BUD" SMITH, '62, Bellevue, age 83, July 8. • ALVIN REED BROWN, '63, Freeland, age 76, July 12. • PETER D. PRESTON, '63, Edmonds, age 71, June 27. • RANDOLF M. RIDGEL, '63, Kelseyville, Calif., age 82, July 26. • ROBERT THEODORE COONEY, '64, '67, '71, Choteau, Mont., age 73, Feb. 13. • W. RONALD DIETZ, '64, Lisle, Ill., age 70, March 21. • WAYNE L. GLOEGE, '64, '00, Seattle, age 69, June 1. • CAROL ANN GRINDALL, '65, Bothell, age 71, July 18. • RICHARD ALAN VORCE, '65, San Diego. • RICHARD B. THOMPSON, '66, Yakima, age 87, Aug. 25. • WILLIAM GERKEN, '67, Kirkland, age 73, July 13. • DZIDRA ANDERSON, '69, Port St. Lucie, Fla., age 87, July 5. • EUGENE PFLUG, '69, Ellensburg, age 88, Aug. 10.

1970

SCOTT FRANK KANEMORI, '71, Renton, age 64, July 8. • JAMES E. MECCA, '71, Anacortes, age 77, Aug. 2. • KATHLEEN ANNE BURGETT, '72, '75, '95, Port Townsend, age 64. • MARY BAIRD CARLSEN, '73, Walla Walla, age 84, July 4. • THOMAS ROBERT GEDLUND, '73, Bothell, age 63, Aug. 29. • NANCY JANE FAWTHROP, '74, Seattle, age 63, Sept. 2. • EDWIN V. LANGDON JR., '74, Kirkland, age 69, Aug. 25. • ERVIN JOSEPH LAWLER, '74, Spokane, age 91, July 13. • JULIE HODSON, '75, Coupeville, age 78, July 21. • THOMAS JOYNES, '75, Deer Lodge, Mont., age 61, Sept. 19. • PATRICK A. THORNTON, '75, Dallas, age 61, Aug. 6. • AUDREY BARNHART, '76, Williston, N.D., age 57, June 14. • LAURIE RAE HALLOWELL-WEISS, '76, Seattle, age 61, June 22. • WILLIAM FRANCIS HENNESSEY, '76, Port Angeles, age 59, Aug. 28. • JANET KAY MINAR, '76, Redmond, age 62, Aug. 13. • LINDA GERKEN, '77, Kirkland, age 71, July 19. • JONATHAN EARLE PETTIT, '78, Bainbridge Island, age 61, Aug. 19.



TOM FOLEY 1929-2013

TOM FOLEY, '51, '57, who served 30 years in Congress, including six years as Speaker of the House, was known for his ability to build consensus. Foley, the 1992 Alumnus Summa Cum Laude, died Oct. 18 at the age of 84. Born March 6, 1929 in Spokane, he later served as U.S. ambassador to Japan under President Clinton.

1980

EARL B. DILLER III, '80, Bellevue, age 58. • **DIANA COLLEEN DILLS WALDEN**, '82, Kenmore, age 55, July 20. • **BRUCE HOWARD HILLIARD**, '85, Seattle, age 53, Aug. 9. • **MARY FAUSS**, '86, Kenmore, age 88, Aug. 2. • **KATHRYN DIANE BECKERMAN**, '88, Seattle, age 54, Aug. 22.

1990

JAMES ROBERT UPDIKE ECHELBERGER, '92, Everett, age 45, June 10. • **PETER JOEL SIEGEL**, '92, Seattle, age 46, July 25. • **TRAN QUOC VI**, '96, Manassas, Va., age 43, July 4. • **ANTHONY RAYMOND VOWELL**, '97, age 62, June 12. • **NORENE ALMEIDA**, '99, Dupont, age 64, Aug. 31.

FACULTY AND FRIENDS

WILLIAM L. BAKER, '60, '73, former administrator in the Office of Minority Affairs and Diversity, died Sept. 28. He was a longtime champion for economically disadvantaged, underrepresented minority and low-income students. He was 79. • **JEAN BERKEY**, '74, who during her 10 years as a Washington state senator was an advocate for open government, affordable health care, education and seniors, died Aug. 21. She was 74. • **JAMES MCINDOE BURNELL**, '49, who served the UW as a professor of medicine for 46 years, died Sept. 8. He performed the first dialysis treatment at Harborview Medical Center. He also was one of the first kidney specialists in private practice. He was 92. • **JANET CARTER DE CARTERET**, '86, who taught in the UW Master's of Nursing program, died June 27. Before joining the UW nursing faculty, she was an occupational health nurse for several large Seattle corporations and the Seattle Fire Department. She was 77. • **SALLY CLARK GORTON**, '54, wife of former U.S. Sen. Slade Gorton, died July 20. A former journalist, she worked with charities and community organizations. She was 80. • **JULIA LIN**, '65, who was smuggled out of Communist Shanghai in 1949 with \$20 sewn into the collar of her dress, died Aug. 1. After graduating from the UW, she went on to become a scholar of Chinese literature and poetry. She was 85. • **THOMAS CHARLES LOVITT**, who taught in the College of Education from 1966 to 1997, died June 25. He started his career as a trumpet player for the Kansas City Philharmonic before he made the transition to special education. • **WILLIAM GULLIFORD LUCKS**, '52, former president of the UWAA and longtime business leader, died July 9. He was CEO and chairman of The Lucks Co., a manufacturing firm founded by his grandfather, Oscar. He served as Seattle's Seafair Prime Minister in 1966. He was 83. • **JOHSEL NAMKUNG**, '50, one of the Puget Sound area's most acclaimed photographers, died July 22. He also spent 20 years as a medical photographer for the UW School of Medicine. He was 94. • **GARY RICHARD SNYDER**, a former UW faculty member, died July 8. He spent 30 years as a family physi-

cian in Ferndale. He was 72. • **EVERT SODERGREN**, a fourth-generation Swedish furniture maker and master craftsman who taught furniture design and construction at the UW from 1963 to 1978, died June 8. His furniture is in the collections of the Smithsonian Institution, Museum of Art and Design in New York and Boston Museum of Fine Art. • **NAOMI SUGAR**, '91, former medical director of the Harborview Center for Sexual Assault and Traumatic Stress, died July 20. She wrote the Washington state guidelines for sexual-assault evaluations. She was 62. • **TOBY SAKS**, an internationally renowned cellist and professor of music at the UW for 37 years, died Aug. 1. A native of New York City, she was the third woman to join the New York Philharmonic, where she performed from 1971 to 1976. She joined the UW faculty later that year and taught cello, music theory and music appreciation classes. She also was the founder of the Seattle Chamber Music Society. She was 71. • **VALENTINE S. WELMAN**, who served on School of Art faculty from 1954 to 1983, died Aug. 14. After serving in the Army from 1943 to 1946, he was commissioned to do drawings of military installations for Gen. Douglas MacArthur's headquarters. He was 92. • **RALPH ALGERDAS YUODELIS**, '64, who directed the UW School of Dentistry graduate program in fixed prosthodontics and graduate prosthodontics program for more than 25 years, died Aug. 19. He was 81.

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1995

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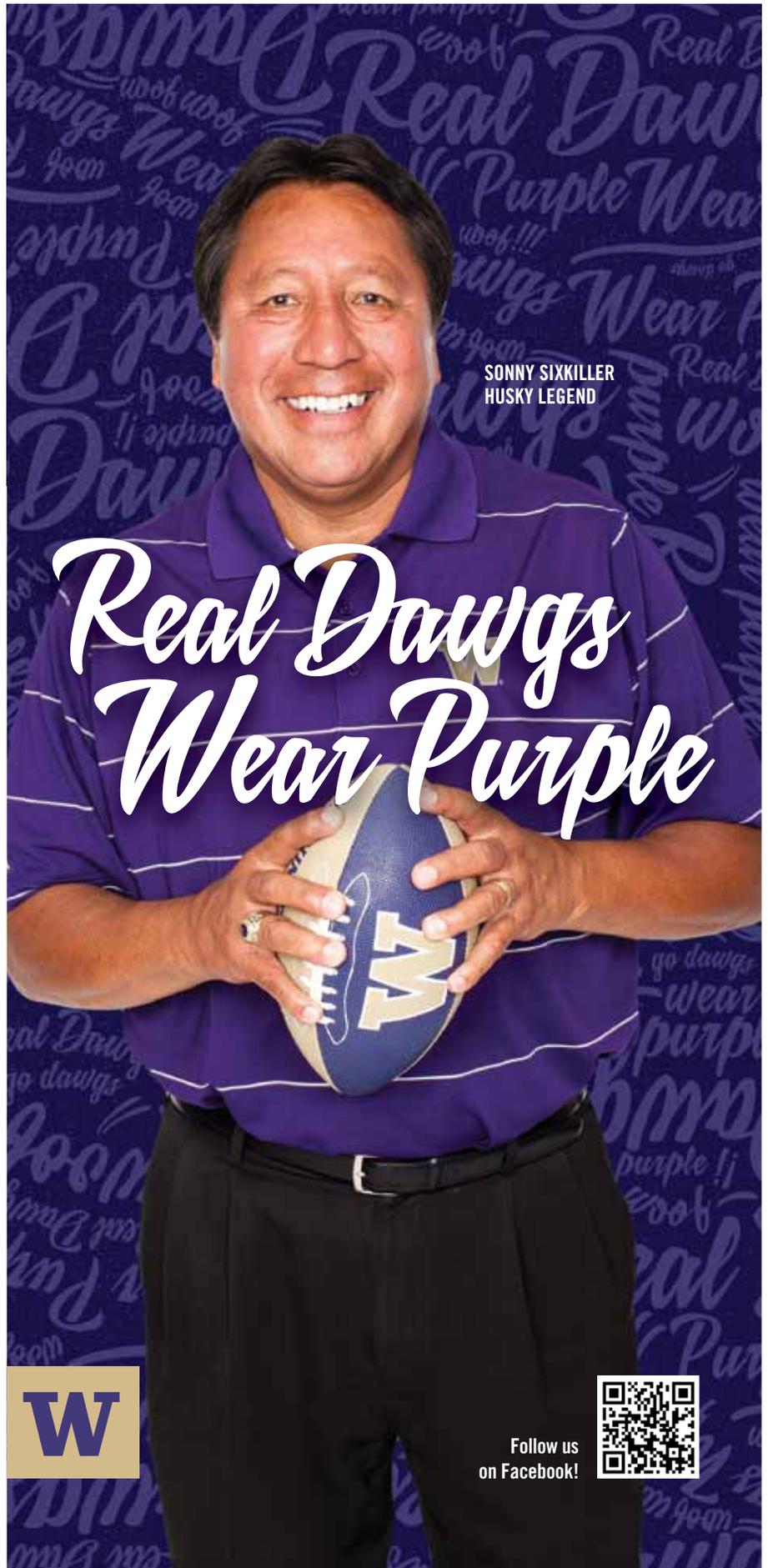
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The rejection letters were prompt and some were downright mean.

JUNE 6, 1966 marked a memorable date in what, retrospectively, was to begin an improbable journey to the University of Washington. Having begun my college career at Virginia Union University—a historically black college—in September 1955, my life took an unexpected turn two years later. Like countless number of black males, I dropped out of school and started a full-time job in the U.S. Post Office. It meant postponing my degree and working 10 hours per day. I met my wife as a college classmate; we were married in 1958 and had two sons. She graduated and began a teaching career in Richmond, while I continued as a postal clerk.

My wife steadily encouraged me to continue my education. By taking classes whenever my work schedule would permit, I earned my B.A. in sociology in 1966 and began a saga I had never envisioned. After the commencement ceremonies concluded, graduates exited Barco-Stevens Hall and proceeded to the library to return our graduation regalia. During that short walk, the realization came to me that after 11 years and a near-death experience with hepatitis, I had achieved my goal of graduating. Likewise, it

spontaneously occurred to me that I should go to graduate school. The problem was, it was June, and I was thinking of attending that fall. It never occurred to me that this goal was unattainable and I proceeded to submit applications for admission. My wife was taken completely by surprise since we had never discussed this possibility.

The rejection letters were prompt and some were downright mean. UW's rejection letter was the last to arrive but its wording left me with a glimmer of hope. It was now near the end of July and I faced two possibilities: give up and apply later or make a case for myself. I chose the latter. Each day when I came home from work, I would call the UW Department of Urban Design and Planning and plead my case to whoever answered the phone. One fateful day, Myer Wolfe, the chair of the department, answered the phone. He had been told of my persistent calls. After pleading my case, he agreed to revisit my application under the condition that I send three strong letters of support. He made no promises. I only wanted a chance.

One August day, my wife picked me up from work bearing a letter from UW. When we got home, I opened the letter to the words, "Dear Graduate Student..." Elation was joined with hesitation. How was I going to pay for my education? Where was I going to live? How was I even going to get to Seattle? I had never been west of Cleveland.

A white co-worker asked why I found it necessary to go to school. Another told me, "This is the best job you've ever had." My reply was that she was correct but it was not the best job I was ever going to have. Neither of these persons ever knew how their words served to inspire me. The racial history of Virginia also played a crucial role. In its desire to keep the schools racially segregated, Virginia offered black students a tuition grant to leave the state to earn a graduate degree if they could earn that same degree in a



public institution in the state. I received the last two years of the grant. The U.S. Supreme Court subsequently declared the program unconstitutional.

Soon I was one of only two African American Urban Planning students west of the Mississippi. After settling in to life on campus, one night the absence of my family became unbearable. It was exactly 11:10 p.m. in Seattle when I called my wife in Virginia, where it was 2:10 a.m. I asked her to quit her job and move across the country with the kids. Her initial reaction was to question my sanity, but she did resign her position as a public school teacher. And, on Dec. 27, 1966 my family and I began the drive from Richmond to Seattle, to begin a life none of us could have imagined.

With my Masters in Urban Planning (1968), I took a job with HUD in San Francisco and later worked for the San Francisco Department of Planning. The confidence placed in me by the UW and the Department of Urban Design and Planning opened the door for me to eventually receive my Ph.D. in sociology from UC Berkeley and enjoy an academic career until my recent retirement from the University of San Francisco.

So much for spontaneity at graduation! I would strongly suggest, however, sharing your ideas with your spouse.

A longer version of this essay can be found at UWalum.com/columns.

Wxyz

THAT'S ALL UNTIL MARCH 2014





Purple Pucks

You won't be thrown in the penalty box if you didn't know the UW had a hockey team. Most people aren't aware that the Huskies have had a club team since the 1920s. Husky hockey—which is primarily funded by student dues, fundraising and scholarships—competes in the Pac-8 Conference against Arizona State, California, Stanford, UCLA, USC, Oregon, Utah and Washington State. Here, JD White heads back to the ice for the second period of a game at a Mountlake Terrace ice rink against Idaho on Sept. 28, 2013, while teammates Kyle Umlauf, back left, and Alex Black get ready. By the way, it was a blowout. Huskies 11, Vandals 1.

PHOTO BY RON WURZER

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