

THE *Scene*

WILLAMETTE UNIVERSITY

THE MAGAZINE OF WILLAMETTE UNIVERSITY

SUMMER 2006



re

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$$Z_{n+1} = Z_n^2 + c$$

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Trading paint brush and paints for computer and fractal-plotting software, retiring mathematician Junpei Sekino has a formula for painting masterpieces.



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inside *this issue...*

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THE MAGAZINE OF WILLAMETTE UNIVERSITY

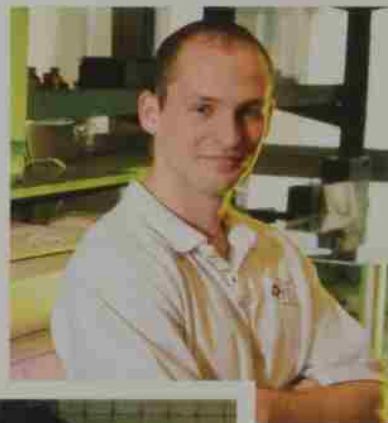


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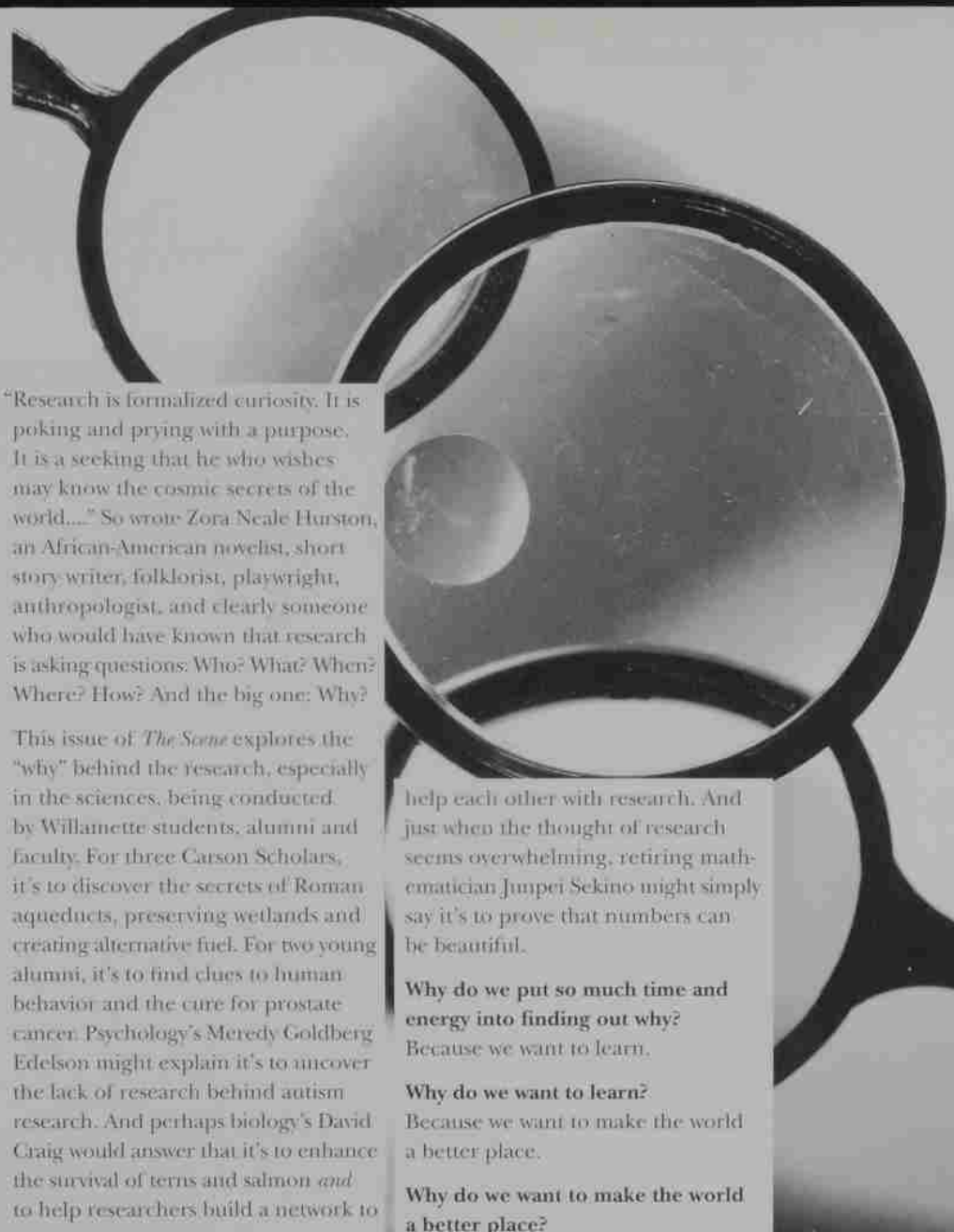
The Carson Scholars Program sends undergraduates across town and around the globe to pursue research in their own way.



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editor's note

Because

As children, curious to know and understand the world around us, we turned to our parents for answers. We bombarded them with "Why?" until we were lucky to get a "Because!" It didn't take us long to figure out "because" isn't really an answer, so we set out to explore the world on our own, looking for information, explanations, reasons, even just clues. We searched and re-searched.

Curiosity is a natural part of being human, and it drives the research that pervades every corner of our lives. Buying a car? Research. Choosing a college? Research. Dating? Definitely research. We never lose that sense of curiosity, though we pursue it in different ways and to different degrees. How many tracks did Springsteen lay down in recording "Born to Run"? What was Robert E. Lee's strategy at Gettysburg when he sent 13,000 of his best men across a mile of open field and straight into the heart of the Army of the Potomac? Can my father's lineage really be traced to Chief Joseph of the Nez Perce?

"Research is formalized curiosity. It is poking and prying with a purpose. It is a seeking that he who wishes may know the cosmic secrets of the world...." So wrote Zora Neale Hurston, an African-American novelist, short story writer, folklorist, playwright, anthropologist, and clearly someone who would have known that research is asking questions: Who? What? When? Where? How? And the big one: Why?

This issue of *The Scene* explores the "why" behind the research, especially in the sciences, being conducted by Willamette students, alumni and faculty. For three Carson Scholars, it's to discover the secrets of Roman aqueducts, preserving wetlands and creating alternative fuel. For two young alumni, it's to find clues to human behavior and the cure for prostate cancer. Psychology's Meredy Goldberg Edelson might explain it's to uncover the lack of research behind autism research. And perhaps biology's David Craig would answer that it's to enhance the survival of terns and salmon and to help researchers build a network to

help each other with research. And just when the thought of research seems overwhelming, retiring mathematician Junpei Sekino might simply say it's to prove that numbers can be beautiful.

Why do we put so much time and energy into finding out why?
Because we want to learn.

Why do we want to learn?
Because we want to make the world a better place.

Why do we want to make the world a better place?
It turns out "because" is a real answer after all.

Willamette Wins Big

The Scene Takes Silver and Bronze

While Americans were adding up the nation's Olympic medal count, the Office of Communications was keeping track of medals awarded for printed and electronic communications by District VIII of the Council for Advancement and Support of Education. When the judging was over, Willamette took home 10 awards, tied with Oregon State University and second only to the University of Washington. Willamette won more awards than any other private institution in the district.

The Scene online took silver in the electronic media category, while *The Scene* magazine took bronze in the competition for periodicals with a circulation of 20,000 or more. The final tally: four gold, two silver and four bronze awards for design of printed materials, photography and online journals and magazines.

CASE District VIII is the largest district in the nation and includes more than 120 colleges and universities in Oregon, Washington, Idaho, Montana, Alaska and western Canada.

Rebecca Brant

Survey Says...

The Scene team is doing a little research of our own by conducting a survey to find out what our readers want to see in the magazine. If you're one of those randomly selected for the survey, please take a moment to fill it out and return it. We'll use your comments to help us reshape *The Scene* in both design and content.

president's letter



"Today, as scholars recognize the connectivity of ideas and issues, the nature of research itself is slowly transforming... to a more connected, holistic approach."

Fostering Scholarship

Fostering research and scholarship opportunities for faculty and students can yield astonishingly positive results. Research and scholarship strengthen teaching, attract and retain outstanding faculty, and enhance the academic reputation and visibility of Willamette as an institution of academic excellence. Opportunities for student research also create meaningful learning experiences outside the traditional classroom setting that are formative as well as applicable in "real world" settings beyond a student's undergraduate experience.

While this edition of *The Scene* takes a look at research and scholarship, particularly in the sciences, at Willamette today, research has always been an important part of Willamette's undergraduate experience.

In 1954, two Willamette University alumni, Gerald Pearson '26 and Daryl Chapin '27, along with a third colleague, developed the modern solar (photovoltaic) cell at Bell Laboratories. Both physics majors, Pearson and Chapin were awarded honorary doctorates by Willamette in 1956 and also received several international awards for their research, including Germany's equivalent to the Nobel Prize. (Both men sent several of their children to Willamette, and one of Pearson's great-grandchildren graduated from the University in 2001.) Interestingly, this is the same type of solar cell contemplated for use in the new Kaneko Commons residential facility scheduled to open this fall.

Today, as scholars recognize the connectivity of ideas and issues, the nature of research itself is slowly transforming from discreet disciplines toiling in isolated "silos" to a more connected, holistic approach. Collaborative research is becoming more and more the norm, often creating circumstances where faculty and students from quite disparate disciplines may work together.

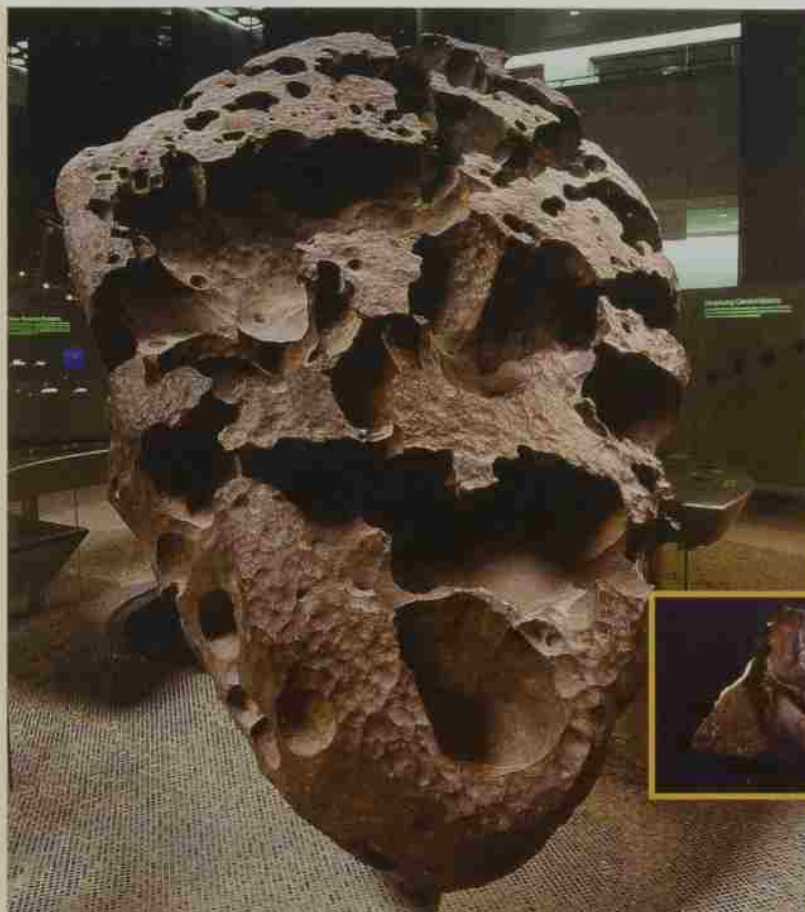
At Willamette, a wide variety of collaborative projects are continually being explored, from economists and environmental scientists studying the economic value of healthy ecosystems, to faculty from the French and anthropology departments developing and executing the University's first Africa Day. These projects are instrumental in the development of critical thinking; they enrich the student experience at Willamette, and, of course, they seek to achieve the primary goal of scholarship: to make significant academic contributions in a particular discipline or disciplines, thereby advancing civilization.

I am impressed and amazed at the creativity and initiative demonstrated by faculty and students in their scholarship endeavors. From among the many innovative and interesting projects Willamette's talented scholars have recently undertaken, we have selected a few for this edition of *The Scene* that I believe illustrate the important role research and scholarship play in a liberal arts education.

A handwritten signature in dark ink, reading "M Lee Pelton".

M. Lee Pelton
President

tidbits & briefs



Willamette Meteorite Fragment Given to Grand Ronde

Members of the Confederated Tribes of the Grand Ronde and the University community purified their hands with sage smoke before handling this piece of the Willamette Meteorite (inset), found in a closet in Collins Hall in spring 2005. The University's only fragment of the meteorite was presented to tribal representatives in a ceremony April 17 at the Hallie Ford Museum of Art. The 15.5-ton meteorite—the largest found in the United States and sixth largest in the world—is believed by the Grand

Ronde to be a sacred object that served as a powerful source of healing and cleansing in ancient times. The tribe has been unsuccessful in attempts to acquire other pieces of the meteorite, including the largest portion,

shown here on display at the American Museum of Natural History in New York.



Ambassador Speaks About Origins of Iraq War

Former Ambassador Joseph Wilson spoke about the origins of the Iraqi war before a packed Smith Auditorium April 5. Wilson is the author of *The Politics of Truth: Inside the Lies that Led to War and Betrayed My Wife's CIA Identity and What I Didn't Find in Africa*. Sent to investigate Saddam Hussein's purported weapons of mass destruction (WMD), Wilson became one of the most vocal critics of the Bush administration, alleging that the WMD intelligence was manipulated to justify an invasion of Iraq. His wife, Valerie Plame, was an undercover CIA agent whose identity was disclosed, resulting in the eventual indictment

of Vice President Dick Cheney's chief of staff, Lewis Libby.

The U.S. must strive for a political rather than a military solution in Iraq, Wilson said, one that involves the insurgents and other nations. "If the U.S. does not involve them in a peaceful solution, they are likely to be involved in other ways, either as sponsors of terror or suppliers of weapons."

In closing, Wilson's message was, "Care about what's happening in your country. Watch your elected officials the same way you watch the NCAA basketball tournament."

mail bag



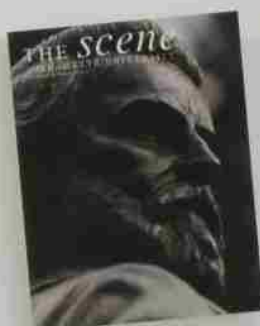
✉ Regarding "World Views Retires," as the parent of a Willamette graduate (Shannon Leinbach '95), I wanted you to know how World Views impacted both of us. In '91 when I brought our daughter to Salem, we bought two sets of the books for World Views: Latin America; As a high school English teacher, I realized I had no background in this literature. Not only were we both able to discuss all the books, but I took a class at Stanford to add to hers. I have since been able to hear one of the authors, Rigoberta Menchu, speak. So you can see how more than students benefited.

Regarding "Headed West: Willamette and the City of Salem Share a Growing Vision," perhaps the revitalization of the city, along with the sphere of influence Willamette will exert, will keep parents local during Parents Weekend instead of feeling compelled to go into Portland.

Sue Fialer
Palo Alto, Calif.

✉ "Motto Fuels 'Lasting' Effort" I was excited to read about WU's initiative toward sustainability through WEST. When I came to WU in the mid-1970s, the Nutrition Awareness Program (NAP) and Alternative Futures Program were introducing practices of sustainability to small segments of the campus community. It is encouraging to see the values of sustainability move throughout the whole campus, and high time! Kudos to you!

Annette Bader '81
Clinton, Wash.



✉ "On the Shoulders of Giants" The fall issue of *The Scene* was definitely an exciting one. Willamette seems to be changing and growing daily thanks to President Pelton's master plan, and it seems as though not a day goes by without an article mentioning Willamette in the *Statesman Journal*. Fifty miles north in Portland, however, Willamette's presence is painfully absent.

How has "the first University in the West" failed to establish itself in Oregon, the Northwest, the West Coast, the U.S.? How have schools such as Pomona, Claremont-Mudd-Scripps, Reed and Whitman achieved greater regional and national visibility? Willamette's return to Portland (it originally had a medical school in what is now the Pearl District, right next to the I-405 on-ramp, marked by a plaque) with an MBA program was therefore pretty exciting. Hundreds if not thousands of Portlanders would finally be able to recognize Willamette as an institution and not just a geographical reference. But as I walk to work or ride the streetcar past the MBA location on 11th and Burnside, I still see no sign of Willamette's presence. It's there, I'm told... somewhere. Why is there no sign? Right now, people who walk past 11th and Burnside have no idea they're walking past a great school. It's a shame, and it's a great location.

Confirming what the Fiske Guide to Colleges had to say, Willamette is indeed one of the best kept secrets in the country. Unfortunately, it's also a best kept secret only 50 miles away.

Seiji Hara '04
Portland, Ore.

✉ Just a note to say how much I enjoyed the last issue of the Willamette Scene. The struggles of the early organizers followed by those of Dr. Smith, and then the comments and stories about recent graduates and their ideas and contributions all tie together to make the story really hit home.

My term at Willamette was during the depths of the Depression, 1933-37, and I know our presidents—Dr. Carl Doney and then Dr. Bruce Baxter—struggled to keep everything right-side up, and of course old Professor Mathews, who often led the daily chapel services at Waller Hall, was a legend even then. My tuition each semester, as a minister's son, was only \$40—mere pocket change today. As manager of the 1936 Wallulah, we sold full page ads (to the few who could afford them) for \$0.25, and my board and room at the Sigma Tau fraternity house on Oak Street was \$18.75 per month. It would have been \$10 more, but I elected to skip lunch.

My only criticism of this issue is the skimpy comments about alumni from the '30s. Some of us are no longer around, but I like to think we still count.

After Willamette I received my M.S. in entomology from OSC and my PhD from Ohio State. So far as I know, I am the only entomologist from Willamette, and I recall with much pleasure my guidance from Prof. Cecil Monk.

Keep up the good work.

Ely M. Swisher '37
Doylestown, Pa.

Editor's Note: In making choices about which Willamette "giants" to portray, we at *The Scene* knew we would not be able to include all those worthy of mention. We meant no slight to the alumni from the '30s or any other generation, and we hope our variety of coverage is of interest to all our readers.

1st

No Debate, WU Is No. 1 in the Nation

The oldest debate society west of the Mississippi has triumphed again, winning the National Parliamentary Debate Association Tournament Sweepstakes Championship for the best overall school performance. They also landed the Season Sweepstakes Championship, awarded to the school with the best performance throughout the season. Students debate political and philosophical issues such as euthanasia, capital punishment, whether tax cuts should be rolled back, or whether citizens should worry more about safety or security.

In addition, the American Forensics Association named Willamette Debate Coach Rob Layne as its New Coach of the Year.

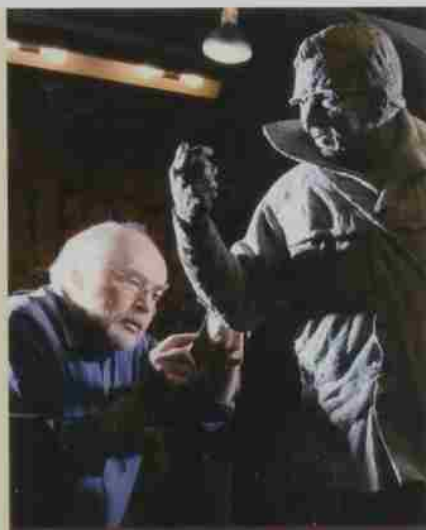


Trading Places

Classes were cancelled April 19, giving faculty and students an opportunity to trade places for the sixth annual Student Scholarship Recognition Day (SSRD). More than 70 students and nearly 20 faculty moderators participated in venues throughout campus. "We're proud of our students," says Biology Professor Sharon Rose, co-coordinator of the event. "We measure our success by theirs."

Established by former CLA Dean Larry Kress in 2000, SSRD showcases the breadth and depth of undergraduate

research at Willamette and is modeled on professional disciplinary conferences and symposia. The focus is on academic research, with presentations on 55 projects, many completed under the auspices of the Carson Undergraduate Research Program, the Science Collaborative Research Program and the Presidential Scholars Program. The day also offered a variety of dance, theatre and musical productions, a conducting workshop, a campuswide nature walk, art exhibitions, and video, slide and multimedia presentations.



A Farewell Tribute for Both

Art Professor Robert Hess has been working this spring and summer in his home studio to create a life-sized bronze sculpture of former Willamette track coach Chuck Bowles. The University commissioned Hess to create the outdoor sculpture in honor of Bowles, who passed away in December. The art will be installed at McCulloch Stadium. Hess, who has been teaching art at Willamette for 34 years, retired this spring. He plans to stay in Salem and focus full time on his sculpting.



AGSM and Babson, Partners in Portland

Willamette's Atkinson Graduate School of Management and the Babson College Olin Graduate School of Business are teaming up to offer post-graduate executive education at the Willamette Portland Center in the Pearl District. AGSM Dean Jim Goodrich and Babson Dean Mark Rice were joined by James Fitzhenry MBA/JD '81, senior vice president of FUR, and Scott Gibson of Gibson Enterprises in making the announcement March 9.

Both highly regarded business schools are accredited by AACSB International. Babson's program is noted for entrepreneurship and innovation, while AGSM is recognized for providing well-rounded management skills to adapt to rapidly changing markets and technology. The first programs offered this year will focus on competitor profiling, succession planning and leadership.

tidbits & briefs



Symmonds Fastest Man in Division III

It's no wonder Nick Symmonds '06 chose the element mercury for his senior research project. Named for the fleet-footed messenger of the gods, the liquid metal "quicksilver" fits Symmonds like a custom running shoe. Quite simply, Nick Symmonds is the fastest man in NCAA Division III and one of the fastest in the nation.

An Academic All-American, the track and field athlete is a five-time national champion in the 800 and 1,500 meters. Symmonds was named the 2005 Division III Track and Field Male Athlete of the Year and recently won the prestigious Ad Rutschman Award, presented to the state's top small-college athlete.

In late May Symmonds broke the Division III record for the 800 meters with a time of 1:47.34, securing his top-five national ranking in that event. He has no intention of giving up any titles. Prior to his record-breaking run, he posted the best times this year in the 800 (1:48.97) and 1,500 (3:49.23), and he currently ranks third in the nation in the 400 meters.

Beyond his accomplishments on the short track, Symmonds was the surprise winner of the Northwest Conference cross country championship earlier this year, helping lead the Bearcats to another conference and regional championship, their fifth in a row, and a 16th place finish at nationals, their second consecutive top-five national finish.

Symmonds will leave a lasting legacy in Bearcat athletic history: five (and counting) national championships; three school records; state, regional and national athlete of the year honors and recognition as an Academic All-American.

So as Symmonds takes on life after college, one goal remains: to race in the 2008 Olympics. Key to the young chemist's future might very well be the periodic table. Look just left of mercury to find gold.

Museum Seeks Volunteer Docents

The Hallie Ford Museum of Art is recruiting volunteer docents for its fall class. Docents help the public understand and appreciate museum exhibitions. Training for new and active docents will continue throughout the school year. Call 503-370-6855 for information.



Law Students Take Top Spots at International Moot Court Competition

Willamette law students won three top spots in the 2006 Philip C. Jessup International Law Moot Court Western Regional Competition. The WUCL team—Curtis Burns, Tyler Griffith, Kevin Mehrens, Judith Parker and Mia Peterson—took third in the Best Brief category, while Judith Parker took second place and Curtis Burns took seventh in the Best Oralist category.

Law schools around the globe participate in the Jessup competition, which is considered the most prestigious moot court competition in the world. Students from more than 90 countries participate in the annual event, preparing briefs and arguing hypothetical cases.

2006 Faculty Award Winners

To read more about these outstanding faculty go to the Willamette home page at www.willamette.edu.

Jerry E. Hudson Award for Excellence in Teaching

honoring distinguished teaching and leadership



Sammy Basu,
Associate Professor
of Politics, CLA

Yvonne Tamayo,
Professor of Law,
WUCL



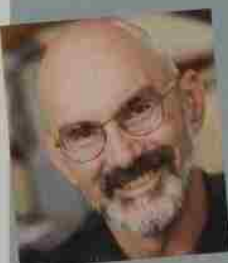
Richard Ittis Award presented by
Mortar Board to a retiring professor for a
lifetime of honorable service to students,
staff, Willamette University, the community,
and profession

Robert Heas, Professor of Art, CLA



**Mortar Board Professor
of the Year** honoring excellence, devo-
tion and dedication to the enhancement
of students' lives above and beyond
Willamette's high standards, as voted by all
undergraduate students

Johnner Barrett, Instructor of
Mathematics, CLA



**Lawrence D. Cress Award for
Excellence in Faculty Scholarship**
recognizing the important relationship
between research and the undergraduate
experience

Peter A. Harmer, Professor of Exercise
Science, CLA



Honorable Mention

Emily Drew, Assistant Professor of
Sociology, CLA



**Robert L. Misner Award for
Faculty Scholarship** recognizing and
encouraging faculty scholarship, one of the
highest priorities for the award's namesake

Steven Green, Associate Professor of Law,
WUCL



Honorable Mention

Heidi Grew, Assistant Professor of
Art, CLA

United Methodist Award for Exemplary Teaching and Service

recognizing the extraordinary impact a professor can
have inside the classroom and the dramatic role a faculty member can
have in our community



Lisbeth Claus,
Associate Professor
of Human Resource
Management,
AGSM

Linda Heuser,
Professor of
Sociology, CLA



Honorable Mention

Wendy Boring, Assistant Professor of
History, CLA



Honorable Mention

Joyce Millen, Assistant Professor of
Anthropology, CLA

scholarship & award winners

Undergrads Garner 15 National Scholarships

To read more about these outstanding students, go to the Willamette home page at www.willamette.edu.



Carnegie Endowment for International Peace Junior Fellowship

allows student fellows to work closely on research with senior fellows in Washington, D.C. This is the first Carnegie Fellowship in Willamette history.

Nathanael Stice '06, politics and Russian major, economics minor



NCAA Post-Graduate Scholarship, one of four awarded to WU students in the past two years, provides funds for graduate study.

Natalie Muren '06, chemistry and Spanish major, Goldwater Scholar

Datatel Scholarship honors academic excellence, leadership, and service.



Emily Houle '07, biology major



Audrey Squires '07, environmental science and Spanish major, economics minor



SHEAR/Mellon Undergraduate Fellowship in Early American History

funds study at the McNeil Center for Early American Studies at the University of Pennsylvania. This is Willamette's first SHEAR/Mellon Fellowship.

Elizabeth Humphrey '07, history major

Kemper Scholarship prepares students for leadership and service, especially in fields of administration and business. These are the second and third Kemper Scholars in Willamette history.



Benjamin Bryant '09, undecided



Nurnigar Sawir '09, business management or international business



Tug McGraw Scholarship recognizes academic achievement and a commitment to community service.

Audrey Squires '07, environmental science and Spanish major, economics minor



Udall Scholarship seeks future leaders of environmental fields as well as future Native American and Alaska Native leaders. This is the University's ninth Udall Scholar since 1996.

Kirsten "Kiry" Nelson '08, environmental science major

Fulbright Grants fund study and teaching in more than 150 countries. Ten Willamette students have received a Fulbright Grant in the last seven years.



Sienna Houtte '06, international studies major



Eric Swinn '06, Russian and French major



William Jefferson Clinton Foundation Scholarship and the **National Security Education Program David L. Boren Undergraduate Scholarship** both allow for study of Arabic and foreign policy in the Middle East.

Matt Buehler '07, politics and history major



El Pomar Fellowship supports Colorado nonprofit organizations involved in health, human services, education, arts and humanities, as well as civic and community initiatives.

Megan Flora '06, exercise science major



Watson Fellowship funds students to spend the year after graduation traveling the world in a self-directed learning project. This is Willamette's fifth Watson Fellow since 2001.

Mike Le Chevallier '06, French and religious studies major, classics minor

ested in finding the genes that were switched on at very high levels in a fraction of cancer cases," Tomlins and fellow graduate student Daniel Rhodes developed an analysis method—the Cancer Outlier Profile Analysis (COPA)—that made it possible to find the needle in the haystack, the abnormalities that had previously gotten lost in a deluge of data. COPA is a statistical algorithm, which they applied to a database of numerous DNA microarray studies.

Tomlins pored over the data in the lab and began picking up consistent patterns of abnormal gene activity. Two genes that control cell division, *ERG* and *ETV1*, are tightly regulated in normal cells. However, the COPA algorithm identified inappropriate activation of *ERG* and *ETV1* in a fraction of prostate cancers. Using additional techniques, Tomlins determined that in cases with inappropriate activation, *ERG* or *ETV1* were fused to a gene named *TMPRSS2*, which is normally turned on at high levels in the prostate. After the fusion, *ERG* and *ETV1* adopt the behavior of *TMPRSS2* and switch on in prostate cells, leading to uncontrolled cell division. "We found that

the fusion is what's driving the inappropriate expression of those genes," says Tomlins.

He took only two short breaks during an intense summer. "It all came together pretty quickly, which is unusual for a large study," he says. Tomlins and Rhodes' method, based on bioinformatics, allowed the Michigan team to combine large data sets, make a strong hypothesis and arrive at a powerful conclusion—that gene fusion is likely the cause of prostate cancer.

A leading prostate cancer expert at Johns Hopkins University School of Medicine, William Issacs, says the discovery "will invigorate the field in terms of looking for these kinds of fusions in other common cancers." His assessment is seconded by Jacob Kagan of the National Cancer Institute, who believes the finding may lead to a deeper understanding of the mechanisms involved in breast, colon and lung cancer.

Tomlins says the discovery provides a target in fighting cancer. "Most cancer treatments non-selectively kill cells that are dividing, which makes it unlikely they'll kill all the cancer cells," he says.

"That's why cancer often reoccurs after treatment." When researchers discovered that chronic myelogenous leukemia is caused by a gene fusion, they were able to develop the first rationally designed chemotherapeutic, which is now the standard of care. "There's an intense research effort now to find rational, targeted treatments."

In the near future, a test to screen for gene fusions could act as a second line of defense for men who turn up positive on the prostate-specific antigen (PSA) test, which is notoriously unreliable and therefore controversial. When caught and treated early, prostate cancer has a cure rate of more than 90 percent. Tomlins' research may be key in early detection and more effective treatment. ■

PHILOSOPHY AND BIOLOGY MAY NOT SEEM A NATURAL PAIRING, BUT CANCER RESEARCHER SCOTT TOMLINS CREDITS THOMAS TALBOTT, PHILOSOPHY PROFESSOR, AS ONE OF HIS BIGGEST INFLUENCES.

"He always kept it really interesting. Whether he agreed with you or not, he challenged you to think and defend your reasoning for your arguments," Tomlins says. "In philosophy, you analyze arguments, and in science, you analyze data. You need to be able to answer questions in both."

Talbott retired this spring after teaching at Willamette for 34 years. He always approached his classes as a place for good dialogue, "an arena in which we struggle with ideas," he says. "I like it to be focused. What we want in the end is a clear argument, with a lot of vigorous discussion as we proceed."

Talbott doesn't see retirement as being much different than teaching, though he'll be able to devote more time to his passion for writing. He has already published numerous articles and a book, *The Inescapable Love of God*. He is working on a second book, this one about the controversy regarding free will and determinism.

"All of my life, I've been connected to universities," Talbott says. "All of my life, I've lived for summers and sabbaticals. So I don't have any problem knowing what I'll do in retirement. I'll do the same thing I've been doing now, except I won't be grading papers."

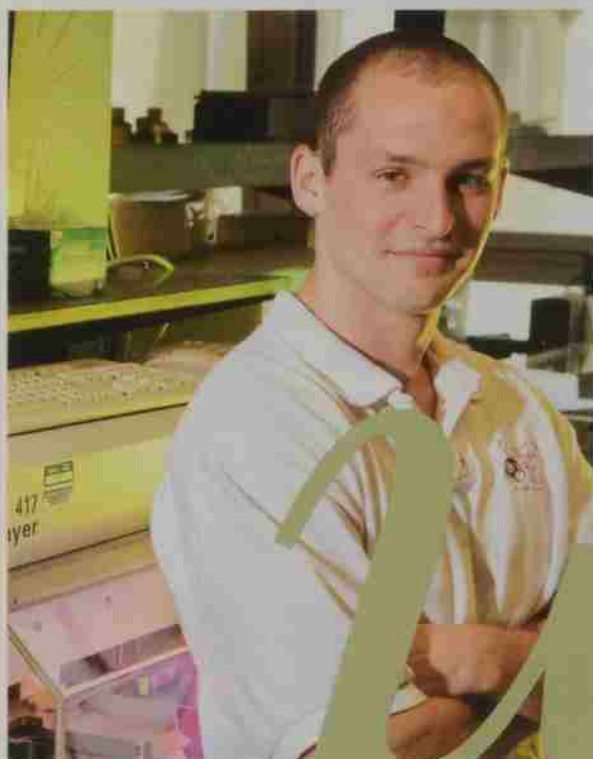


Photo by Un Joo Lee, University of Michigan

Finding the Switch

Discovery by Recent Grad Leads to Breakthrough in Cancer Research

A diagnosis of prostate cancer may be a man's worst nightmare. It can start with burning during urination, difficulty gaining an erection, pain during ejaculation or pain in the lower back, hips or thighs.

Unfortunately the cure is often worse than the illness. Surgery may leave a man incontinent, impotent or infertile; radiation therapy isn't much better; and hormone therapy can open a Pandora's box of problems, including decreased libido.

Prostate cancer is the most commonly diagnosed form of cancer in American men, striking one in six, and more men die from its ravages than from

any other cancer except lung cancer. Researchers are at a loss as to how to prevent it and until last fall knew little about what caused it. A discovery by a recent Willamette graduate is providing new insights.

Scott Tomlins '01, a student in the University of Michigan Medical Scientist Training Program, is the lead author of an article published in the

October issue of *Science*, one of the world's most prestigious science publications. He worked with a team of 16 scientists from the University of Michigan Medical School, Harvard-affiliated Brigham and Women's Hospital, and the University of Ulm in Germany.

"Most of the big scientific projects are now collaborative efforts," he says. "The number of authors on papers has gone up recently because research is getting so complex." Individuals or small teams rarely have the expertise and specialized techniques required for sophisticated research, so collabo-

rations now cross institutional and geographic boundaries. Tomlin's colleagues from Germany, for example, had access to tissue samples not available in the United States.

The Michigan team, under the direction of Arul Chinnaiyan, MD, PhD, discovered that fused genes may trigger the development of prostate cancer. The prostate is a walnut-sized gland between a man's penis and bladder that produces seminal fluid. Prostate cancer occurs when the cells of the prostate begin to grow and divide uncontrollably. Most prostate tumors grow slowly and stay confined to the prostate, where in many cases they do little harm. But sometimes cancerous cells begin to replicate rapidly and invade other areas of the body.

Tomlins' work was based on the observation that in some cancers, such as leukemia, genes normally located on separate chromosomes fuse when the chromosomal order becomes scrambled. These fused genes have been shown to have a causal role in cancer development. Similar fusions in solid tumors, such as breast, colon and prostate cancer, had not been identified, in part, because previous researchers lacked an efficient method to sift through the massive amounts of data generated by current studies. Where scientists used to analyze individual genes one at a time, they now use microarrays that can analyze 20,000 genes simultaneously.

Although Tomlins is a graduate student among seasoned professionals, he came up with a novel idea. "People had focused on discovering which genes are always switched on when cancer occurs," he says. "We were more inter-

Tomlins developed an analysis method that made it possible to find the needle in the haystack, the abnormalities that had previously gotten lost in a deluge of data.



NEIGHBORS: IN THIS PROSTATE CANCER CELL, THE ETV1 GENE (RED) AND THE TMPRSS2 GENE (GREEN) ARE FUSED (YELLOW) ON ONE CHROMOSOME.



most people don't take into account is that the benefits extend beyond human concerns and go back to benefiting the animals themselves. Our findings are used to improve the quality of their lives too."

Controversy aside, Ellison knows she will continue a career working with animals. She's headed to either veterinary school or a graduate program in wildlife field research next fall. ■

Whatever the task at hand, Ellison dresses for the occasion, wearing hospital scrubs, a protective gown, face shield and padded gloves. "At the Primate Center, we work with rhesus macaque monkeys, and they are definitely not domesticated," she says. "They are not predictable, so we need to wear extensive gear that protects both humans and monkeys. Even if you have known and worked closely with one of these monkeys for years, you wear the gear to protect both yourself and the monkey from transmitting disease."

When it comes to observation, Ellison trades her pathogen-protective clothing for lab coat, clipboard and a bag of monkey treats and heads toward the back of the Primate Center's 300-acre compound, climbing the steep wooden steps to a covered observation platform overlooking a half dozen grassy corrals.

"Monkey behavior in the corrals is pretty close to their natural behavior in the wild," Ellison explains. "There is no replacement for the behavioral research that can be done on monkeys. We can control many environmental factors and learn much about various behaviors that are surprisingly human-like."

Ellison is aware of the controversy surrounding animal research, and she has answers for those who ask. "What



MONKEY MYTHS

Rachel Ellison says she finds herself answering the same questions—some silly, some serious—time and again. Here are her answers to the five most frequently asked:

1. Only one-tenth of one percent of all scientific research is conducted on monkeys. The other 99.9 percent is done using mice or other laboratory animals.
2. Of the research being conducted on primates, the vast majority is done on rhesus macaques—not on chimpanzees, gorillas or other higher-order primates. Chimps, gorillas, bonobos and orangutans are known as apes; monkeys are a separate taxonomic grouping.
3. Of the nearly 4,000 non-human primates at the OHSU Primate Center, almost 93 percent are rhesus macaques. The rest are Japanese macaques, cynomolgus macaques, baboons and vervets.
4. Monkeys do not make good pets. They cannot be domesticated, and keeping a monkey in a human-centered environment interferes with their normal behavior.
5. Monkeys typically do not "fling" their droppings—unless they're doing a little hurried housekeeping.



Of Minds and Macaques

Long before arriving at Willamette University, Rachel Ellison '05 realized she wanted to work with animals.

During high school she volunteered at veterinary clinics, and after graduation she spent a summer on the coast of Athens, Greece, rescuing and rehabbing sea turtles. But it was during her internship at the Oregon National Primate Research Center in Beaverton, while earning her degree, that Ellison combined her love for animals with her interest in the brain and behavior. With the help of Sue Koger, psychology professor, Ellison designed her own major in neuroscience.

"One of my first jobs was to take the older monkeys up to OHSU for MRI imaging," Ellison says. "As they age, monkeys' brains change just like humans', and you can see it on MRI."

The experience helped her establish a methodology for analyzing the monkeys' brain volume. "Previously there was no set way to reliably analyze monkey brains, partly because they are about the size of a human fist," Ellison explains. "Information about the smaller structures in a monkey brain is compressed in a magnetic resonance image (MRI), averaging data from overlapping brain structures into a single pixel and making it harder to get detailed results."

Ellison compared the pros and cons of various existing methods of analysis to help researchers account for the averaging. Her subsequent paper on the topic was so good, her advisors at Willamette and the Primate Center urged her to present her work at the Ninth International Congress for Stereology and Image Analysis in Zakopane, Poland, in May 2005. She had to miss her own graduation ceremony to attend, but for Ellison, that was a small price to pay. "It was an

honor just to attend the conference," she says, playing down her third-place finish against a field of doctoral candidates. "It was the most concentrated learning experience of my life."

"There is no replacement for the behavioral research that can be done on monkeys. We can control many environmental factors and learn much about various behaviors that are surprisingly human-like."

Not only did she gain valuable experience, she came home with a certificate, a digital camera and a job offer from the Primate Center.

Actually, Ellison has two jobs at the center—research assistant and veterinary research health technician—and her responsibilities range from providing basic medical care for the animals to conducting scientific behavioral studies.

Today, Ellison continues to assist with aging research. She is also involved in a variety of behavioral studies, including mating behavior, dominance, and tricotillomania, a condition occurring in humans and monkeys that is characterized by hair pulling.

When former CLA Dean Julie Carson came to Willamette in 1988, she saw an opportunity. During her 16-year tenure at the University of Minnesota before joining Willamette, she saw students—primarily graduate students—invited to join faculty research projects. “These were rare and valuable opportunities,” Carson recalls, “but to my mind they emphasized the secondary role undergraduates often play at large institutions.” The learning environment at Willamette—with small classes, faculty deeply committed to students’ personal and professional success, and students “as bright and eager as any I had ever met”—inspired Carson to start an undergraduate research program that would turn the common paradigm on its head. “Ours would be a program wherein a student could ask a faculty member to join his or her research project, not the other way around. Then, as a team, they would seek funding from the University.”

“I wanted students to have a truly rare opportunity, to have both the time and money to pursue an idea anywhere it led them.”

Paradigm

But Carson believed there was another crucial element to the program’s success. “I wanted students to have a truly rare opportunity, to have both the time and money to pursue an idea anywhere it led them. No course requirements, no grade to worry about, no need to curtail an idea because of a need to work to support him or herself, plus the freedom to change directions as the research led one way or another.”

The Carson Undergraduate Research Program was founded in 1989 with a small grant from the Hewlett Foundation, and 15 student projects were funded.

News of the project reached Bill Long ’59, and he was impressed by the priority undergraduate research was being given. He and wife Kay designated \$500,000 of the stock they were giving to the University to endow the program. “As a businessman and entrepreneur,” Long says, “I saw this as a seed investment. I knew I would get a big return—a disproportionately large return—on a relatively small investment. I knew the University was unlikely to be able to create a line item in the budget to sustain this type of activity, so I felt privileged to be there at the time funding was needed.” Carson and husband Guy Whitehead have since made the Carson Scholars program a beneficiary of their estate.

Sophomores and juniors can apply for the Carson Grant to undertake a scholarly, creative or professional research project during the summer, using the funds for travel, to purchase equipment or as a stipend to offset money they would normally earn from a summer job. Students must satisfy a rigorous application process, including a written grant proposal. Projects do not have to be related to the student’s major, nor do they receive academic credit, but all must be approved and endorsed by a faculty sponsor who oversees the project to completion and evaluates the finished work. Projects may be individual or collaborative and must lead to a definable outcome, such as a scholarly paper, a public presentation, performance or exhibit.

Seventeen years after its founding, the program has awarded grants to nearly 160 students. Here are the stories of three of our most recent Carson Scholars.



Changing the

INGRAINED AS IT IS IN WILLAMETTE UNIVERSITY
CULTURE TODAY, UNDERGRADUATE RESEARCH WAS
NOT ALWAYS THE NORM, FOR WILLAMETTE
OR ANY OTHER UNDERGRADUATE INSTITUTION.

"I may not always want to be the guy digging in the trench, but I know I want to work on archaeology digs."

The wind rises, filling the sky with clouds of fine dust and obscuring the surrounding mountains. Thomson pulls his cap down over his eyes and again covers his mouth with the bandana. He crouches, scraping his trowel along one of the room's outer walls. The last pass of the trowel reveals something hard and shiny. Thomson's heart races as he brushes away the fine dirt. It's a Roman coin, the fifth he's found at the site. There's a flurry of activity as team members vie to examine Thomson's treasure.

In addition to the coins, Thomson and his teammates have found shards of pottery and charred chicken and sheep bones from ancient Roman meals. Some have found individual stones from mosaics, unbroken pottery vessels and even Roman oil lamps.

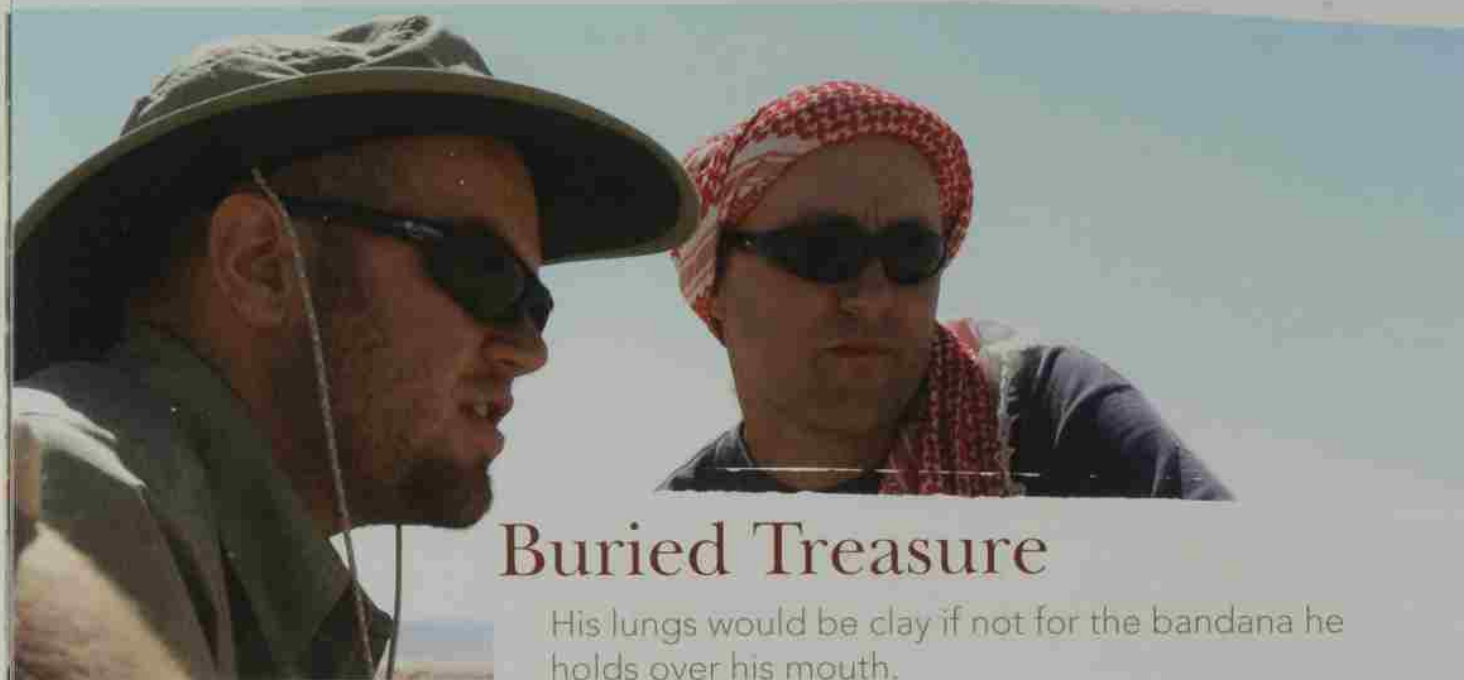
Thomson wanted to investigate how the Romans got water to this arid place. His question was answered when volunteers discovered sections of ancient pipe—the Romans were famous for their aqueducts—that brought water from springs in the mountains.

"The Romans built a large water reservoir in the northwest corner of the fort," says Thomson, his eyes shining with excitement. "They used pipes and pressure to get the water around the site. They even had a fountain right in the middle of the fort."

By 1 p.m., the heat and hard work have taken their toll, and Thomson and his teammates are spent. Sweaty and dirty, they gather their tools and scramble back onto the bus. They will spend the afternoon sifting through their treasures, cleaning and cataloging the pottery, bones and coins that tell the story of this Roman site.

"This project has been so interesting. I've discovered so many facets to archaeology," Thomson says. "When I go to graduate school, I have a ton of options for what to study. I may not always want to be the guy digging in the trench, but I know I want to work on archaeology digs." There's no question Thomson has not only discovered buried treasure, he's unearthed his true calling.





Buried Treasure

His lungs would be clay if not for the bandana he holds over his mouth.

Archaeology major Andrew Thomson '05 and 13 fellow volunteers are enveloped in a cloud of fine dust streaming through the windows of the bus that transports them down a steep highway from the Bedouin military school to the Humayma dig site 45 minutes away. It's not even 7 a.m., and it's already hot. By afternoon, temperatures will reach 120 degrees in the shade, but there's little shade to be had in the deserts of southern Jordan.

The Humayma dig site is located in a vast, barren escarpment, a giant valley carved from rock and sand millions of years ago. It was here the ancient Romans chose to build a fort to protect the easternmost edge of their empire. And it is here—halfway around the world from a verdant university campus in Salem, Ore.—that Thomson chose to test himself with back-breaking field research.

The bus jolts to a stop in front of an abandoned schoolhouse that now stores tools for the site. The volunteers and eight staff members, most from the University of Victoria, British Columbia, tumble off the bus and stretch their aching backs and legs before grabbing the tools they'll need for the day and piling them onto wheelbarrows. All around are the neat, square holes and piles of dirt that make up the worksite. Thomson scans the horizon and spots a cloud of dust moving rapidly toward them. Within minutes a small truck arrives with a dozen Bedouin workers, and everyone shakes hands and exchanges pleasantries before getting down to work. Many of the Bedouins, veterans of other archaeology digs,

speak some English. They often help Thomson and his teammates with their Arabic.

Thomson and three other volunteers walk to a series of large open squares bordered by a low wall. "This is the fort commander's residence," he explains, hefting a shovel full of dirt into a wheelbarrow. "The site of this fort used to be an old Nabataean settlement. The Romans came in and built the fort to house their troops and control the area. Our job is to clean out the rooms and try to figure out what went on here."

The sun rises steadily, and the temperature with it. Thomson and his team fill and unload a succession of wheelbarrows with rocks and fine dirt. The work is backbreaking. "When people think of archaeology, they think about dental tools and carefully picking around bones," he says. "In classical desert archaeology, it's nothing like that. There's a lot of digging with picks and shovels until you get to lower levels, where you work with trowels. It's basically landscaping in the desert."

Thomson's fascination with archaeology began with tromping around dinosaur digs as a kid in Montana. Since Willamette has no archaeology department, he crafted his own major. This dig—his first field experience—is part of his senior thesis requirement. While Thomson could have joined a local dig, his interest in the Greco-Romans inspired him to travel to Jordan; a \$3,000 Carson Undergraduate Research Grant made the journey possible.

no pollutants, just water vapor, but the hydrogen has to be 99.9 percent pure or it contaminates a very expensive membrane in the fuel cell." In his search for solutions, McGie visited Humboldt State University in Arcata, Calif., where they are researching the process of electrolysis. "Unfortunately, hydrogen technology is so hot that everyone wants to protect their data. The researchers at Humboldt were willing to talk with me in general about the scope of their research and its limitations, but they weren't willing to share any data."

McGie also traveled to Sacramento, Calif., to the California Fuel Cell Project, a collaborative research center where auto manufacturers, hydrogen producers and air quality regulatory agencies work together to advance hydrogen technology. On his second visit there, he says, "I went to examine the structure of their organization to see how we could bring a project like it to Oregon."

McGie is well aware that bringing hydrogen production to the state using wastewater treatment plants will require overcoming both political and technological hurdles. He has talked with officials at the Department of Energy and with the cities of Salem, Eugene, Corvallis, Albany and Portland, and was encouraged by the response he received. "The cities are interested in advancing technology and getting the Department of Environmental Quality off their backs," McGie says. "Several cities, especially Eugene and Corvallis, expressed keen interest in maximizing their ability to produce energy and reduce waste while offsetting their costs."

In the meantime, McGie is working on a model that will demonstrate how his wastewater-hydrogen idea might work. He invited representatives from the state and interested cities to his Carson presentation in April. And he's hoping to work in hydrogen production after graduation. "One of the cities might be

"If we could produce hydrogen from wastewater here in Oregon, we'd be in the market to help extend the hydrogen highway. I want to build the onramp to get us there."

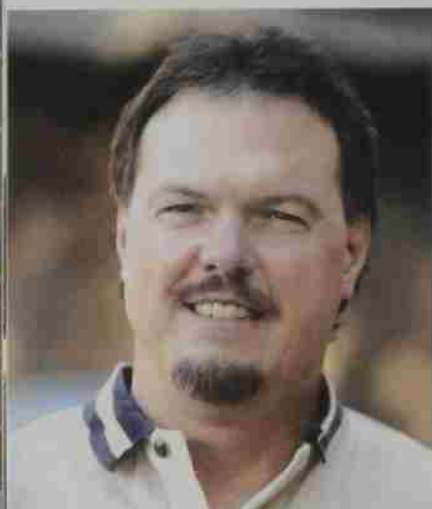
able to get a grant for a demonstration project. We could give it a couple of years to see what happens," he says. "California is working on a hydrogen economy. Western Canada is already building for this new economy. If we could produce hydrogen from wastewater here in Oregon, we'd be in the market to help extend the hydrogen highway. I want to build the onramp to get us there."



FLAME APPARATUS IN FOREGROUND IS FLARING EXCESS METHANE. LARGE TANK IN BACKGROUND IS DIGESTER TANK THAT BREAKS DOWN SOLIDS AND, AS A BYPRODUCT, PRODUCES METHANE. THE METHANE IS BURNED BY THE STIRLING ENGINE.



TEST COMPONENTS OF AN ELECTROLYZER THAT BREAKS WATER INTO GASEOUS HYDROGEN AND OXYGEN.



Paving the Hydrogen Highway

Where most people see pollution, Darrell McGie '06 sees power, clear skies and a strong economy.

He believes Oregon's energy future lies in producing limitless hydrogen from what is now river-polluting wastewater.

McGie, who double majored in politics and environmental science, was working on his environmental studies thesis when he came up with the novel concept of producing hydrogen from wastewater. "My idea is to produce hydrogen fuel through electrolysis," he explains, "but instead of using subsurface water, I want to use wastewater."

As fresh water becomes increasingly scarce, using wastewater, a potential polluter, has a number of benefits. "Wastewater has a theoretical zero cost for producing energy," McGie says. "Treatment plants in Oregon have a lot of wastewater that the Department of Environmental Quality (DEQ) doesn't like returning to the rivers. If we could electrolyze that wastewater to produce hydrogen, it would decrease our dependence on oil and help move to a hydrogen economy."

There are currently only two methods for producing hydrogen. One employs a reformation process using natural gas or another non-renewable petroleum product, while the second uses electrolysis for molecule separation. In electrolysis, low-voltage electricity is passed through water, separating the water molecules into oxygen and hydrogen. "The reformation process produces a lot of carbon dioxide that contributes to greenhouse gases and global warming,"

McGie says. "Electrolysis is the green way to go because there are no residual pollutants."

A \$3,000 Carson Grant gave McGie the funding he needed to explore his wastewater-hydrogen idea further. "Producing hydrogen from wastewater has never been done before. I wanted to explore the limitations and barriers to the technology of using wastewater." He began by visiting wastewater treatment plants and talking to managers who work on the frontlines of wastewater management. He found exciting potential—and vexing limitations.

The upside: "Wastewater treatment plants, especially larger urban facilities, are cogeneration plants that produce methane gas as part of their process," McGie explains. "Instead of burning the gas, which contributes to the greenhouse effect, they could use it to run a generator to produce electricity to offset their costs. If I could piggyback onto their process and use some of that electricity to electrolyze the wastewater, we could cost-effectively produce hydrogen."

The downside: McGie found that wastewater contains contaminants that can interfere with producing electricity and creating clean hydrogen. "As a fuel, hydrogen has to be combusted or used in a fuel cell. If you combust hydrogen in an internal combustion engine, you can burn dirtier hydrogen, but it produces nitrogen oxides that aren't good for the air. If you use it in a fuel cell," he continues, "there are

survival of the camas is high, and of those bulbs that survived, the reproduction rate is high, too. Our preliminary results suggest that camas can be reintroduced into mitigated wetlands."

While she found moles and other animals were eating a number of bulbs, she is philosophical about finding holes instead of bulbs. "We're contributing to the diet of these animals."

In restoring a mitigated wetland, one of the biggest challenges Torre faced was controlling invasive plant species like tansy, Canadian thistle and Himalayan blackberry. "If these invasive plants aren't controlled, they can take over and destroy the wetland. So the question is, do you weed or control the strongly invasive species so the wetland can continue to be functional? Does the wetland then become a park? Once the invasive species are removed and the wetland and wet prairie plants are more established, the invasive plants will likely become less of an issue."

The project has taken on dimensions Torre never expected. "I always knew the research was going to be time consuming, but until you design a project and are out there in the field 12 to 16 hours a day, you don't know how it can consume your life."

But the time commitment wasn't the only surprise. One of the most enjoyable aspects of the project has been introducing school children to wetlands. "I brought 35 kids from the Heritage School out to the site," she says. "They saw a gopher, found a couple of snakes and a bunch of birds, and got dirty and wet. They loved it."

Torre and her faculty advisor, Biology Professor Susan Kephart, have won an environmental grant from the

City of Salem to continue and expand work on the Fairview Mitigation Wetland. She hopes to continue working in wetland restoration after graduation and would like to see a hiking trail and interpretive center built at the Fairview site. "It's a slow process, but maybe we can get the kids and the community involved. This project is like throwing a rock in a pond. It just keeps rippling outward." *

THIS SPRING, A RECORD 28 STUDENTS APPLIED FOR A CARSON UNDERGRADUATE RESEARCH GRANT. CURRENT FUNDING ALLOWED FOR ONLY 11 GRANTS TO BE AWARDED, AND THE FOLLOWING STUDENTS WILL CONDUCT THEIR RESEARCH THIS SUMMER. THE CARSON PROGRAM IS A CONTINUING INITIATIVE OF THE CAMPAIGN FOR WILLAMETTE. THE CARSON ENDOWMENT CURRENTLY STANDS AT \$795,000, AND OUR GOAL IS TO RAISE AN ADDITIONAL \$2 MILLION. FOR MORE INFORMATION, CONTACT THE OFFICE OF UNIVERSITY RELATIONS AT 503-370-6397 OR 1-866-777-8122.

CAROLYN BURNS '07 PSYCHOLOGY

"The Role of Family in Mental Health Care in Oaxaca, Mexico"

IVO DIMITROV '08 HISTORY/SPANISH

"Rediscovering the Role of King Boris III in the Bulgarian Rescue"

MARA HANSEN '07 BIOLOGY

"A Critical Examination of Medical Pluralism in Rural Guatemala"

REBEKAH HARMON '07 JAPANESE STUDIES

"The Source of the Sun: An Art Book of Japanese Mythology"

JOE KACZMAREK '07 RHETORIC/ECONOMICS

"Poetry with a Point: Modern Use of Poetry as a Vehicle for Rhetorical Appeal"

MAYA KARP '07 ART

"The Daily Grind"

JENNIFER KONG '07 BIOLOGY/CHEMISTRY

"Establishing a Correlation Between the Anamorphic Development and Nervous System Maturation of the Copepod (*Unidula vulgaris*)"

FORREST LINDSAY-MCGINN '08 ENVIRONMENTAL SCIENCE

"Cultural Change and the Environment: A Study of Solar Cooking in Oaxaca, Mexico"

STEVE MALICK '07 ANTHROPOLOGY/MATHEMATICS

"Gender Identity and Jesus: The Masculinities of Christian Men"

LAUREN PRESSLER '08 ART/HISTORY

"Ludwig Selzer: Man of Letters"

LIN ZHAO '07 ECONOMICS/HISTORY/CHINESE

"Education and Identity: A Study of Second-Generation Asian Americans and the Impact of Higher Education on Their Search for Cultural Identity"





Wild for Wetlands

Playing in the mud makes her happy.

That's what Suzanne Torre '06 discovered when she traded her calculator and dress shoes for a shovel and rubber boots.

Five years ago, Torre made a difficult decision. After 12 successful years in the business world handling benefits and payroll administration, she decided to return to school. "I didn't feel that I was doing the work I was put here to do," she says. "I was good at what I did, but in my heart, I'm an environmentalist. It sounds corny, but I wanted to make a difference."

Torre has always been interested in wetlands, so she was delighted when the lab for one of her biology classes studied a wetland in a Salem industrial site that once housed the old Fairview Training Center. "Wetlands are a vital part of the Willamette Valley," she explains. "They're important because they help prevent floods, purify water and provide many ecosystem services we tend to take for granted. This whole region was wetland and wet prairie before settlers came in and developed the land for homes, businesses and agriculture."

The Fairview wetland, which runs along Pringle Creek, is a mitigated wetland, meaning a developer or government agency drained or filled in a natural wetland and built another to compensate for the habitat lost. "The mitigated wetland we're working on was degraded agricultural land," Torre explains. "Ten or 12 years ago, the City of Salem bought the land to encourage business development. As part of that sale, they agreed to take on the responsibility of mitigating for the wetland."

Mitigated wetlands are built using soil from a natural wetland and planted with traditional wetland plants—grasses, sedges and rushes. While these plants are

important for the hydrology of the wetland habitat, flowering plants—what biologists call "forbes"—are often overlooked. "Flowering plants are a big component of natural wetlands, but they usually don't get planted much in mitigated wetlands. They're not considered as important," Torre says. "But reintroducing these native plants increases the biodiversity of the site, which increases the invertebrates and food for animals like birds and other vertebrate predators. Wetlands with flowering plants are more complete functioning wetlands."

"Wetlands are a vital part of the Willamette Valley.

They're important because they help prevent floods, purify water and provide many ecosystem services we tend to take for granted."

A \$3,000 Carson Grant funded Torres' research into whether a native flowering plant could be successfully introduced into a mitigated wetland like Fairview. She introduced two species of camas, a bulb traditionally used for food by native tribes in the valley. "Camas is a staple of intact wetlands, and it was here before the settlers," she says. "Lewis and Clark drew pictures of camas and took samples of it when they came here. The plant has historical importance in the Willamette Valley."

Braving cold, wet winter days, Torre and volunteers planted nearly 700 camas bulbs. She came back the following fall and planted more than 800 more. When she slogged back out to see how the bulbs had survived, she was thrilled with the results. "The

beauty formula

BY NADENE STEINHOFF

JUNPEI SEKINO'S FATHER WAS A THOUGHTFUL MAN WITH A GENTLE SMILE WHO BECAME ONE OF THE MOST RESPECTED PRINTMAKERS OF THE 20TH CENTURY, WITH MAJOR MUSEUMS IN NEW YORK, BOSTON, PARIS AND LONDON VYING TO PURCHASE HIS PRINTS. SEKINO'S FATHER HAD HOPES THAT HIS SON WOULD BECOME AN ARTIST AS WELL, AND THE YOUNGER SEKINO DIDN'T LACK FOR TALENT, WINNING FIRST PLACE IN THE JUNIOR DIVISION OF A NATIONAL JAPANESE PRINTMAKING CONTEST AT AGE 10. BUT INSTEAD OF INK AND WOOD BLOCKS, JUNPEI SEKINO TOOK UP MATHEMATICS AND COMPUTERS.

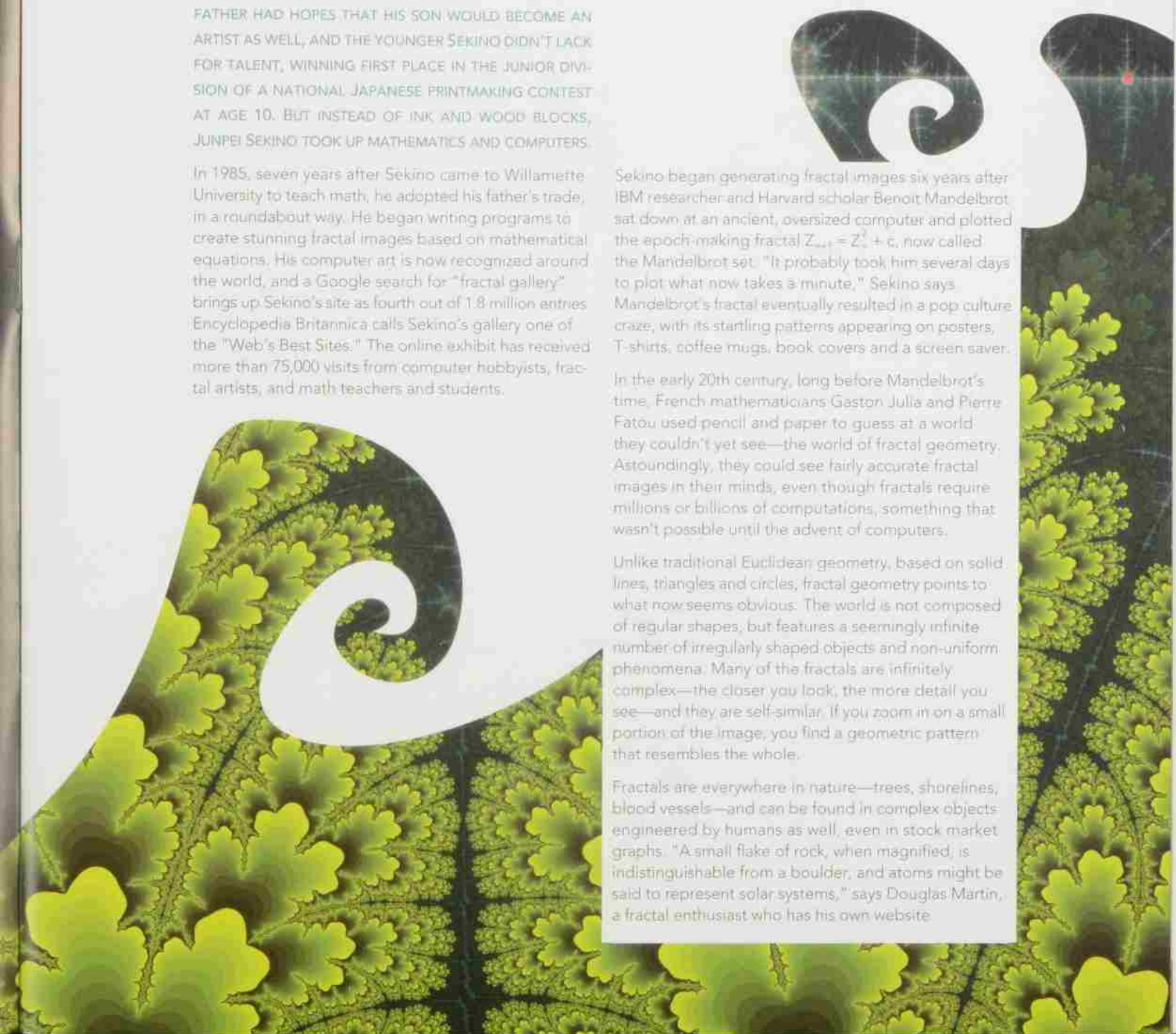
In 1985, seven years after Sekino came to Willamette University to teach math, he adopted his father's trade, in a roundabout way. He began writing programs to create stunning fractal images based on mathematical equations. His computer art is now recognized around the world, and a Google search for "fractal gallery" brings up Sekino's site as fourth out of 1.8 million entries. Encyclopedia Britannica calls Sekino's gallery one of the "Web's Best Sites." The online exhibit has received more than 75,000 visits from computer hobbyists, fractal artists, and math teachers and students.

Sekino began generating fractal images six years after IBM researcher and Harvard scholar Benoit Mandelbrot sat down at an ancient, oversized computer and plotted the epoch-making fractal $Z_{n+1} = Z_n^2 + c$, now called the Mandelbrot set. "It probably took him several days to plot what now takes a minute," Sekino says. Mandelbrot's fractal eventually resulted in a pop culture craze, with its startling patterns appearing on posters, T-shirts, coffee mugs, book covers and a screen saver.

In the early 20th century, long before Mandelbrot's time, French mathematicians Gaston Julia and Pierre Fatou used pencil and paper to guess at a world they couldn't yet see—the world of fractal geometry. Astoundingly, they could see fairly accurate fractal images in their minds, even though fractals require millions or billions of computations, something that wasn't possible until the advent of computers.

Unlike traditional Euclidean geometry, based on solid lines, triangles and circles, fractal geometry points to what now seems obvious: The world is not composed of regular shapes, but features a seemingly infinite number of irregularly shaped objects and non-uniform phenomena. Many of the fractals are infinitely complex—the closer you look, the more detail you see—and they are self-similar. If you zoom in on a small portion of the image, you find a geometric pattern that resembles the whole.

Fractals are everywhere in nature—trees, shorelines, blood vessels—and can be found in complex objects engineered by humans as well, even in stock market graphs. "A small flake of rock, when magnified, is indistinguishable from a boulder, and atoms might be said to represent solar systems," says Douglas Martin, a fractal enthusiast who has his own website.





IN MATHEMATICS, WE NOW TALK NOT ONLY ABOUT
FOUR-DIMENSIONAL AND MILLION-DIMENSIONAL SPACES,
BUT ALSO 1.89-DIMENSIONAL SPACES.



SPRING REFLECTION

Euclidean geometry fueled numerous scientific and technical advances, but fractal geometry was needed to understand natural phenomena such as the spread of bacterial colonies, changes in climate, the distribution of galaxies and the grammar of DNA. Although presidential candidate Al Gore took some ribbing over who invented the Internet, scientists agree that without fractal geometry, the Internet would not exist in its present form. Fractals are key to understanding the frenetic behavior of signals linking the world's computers, and an understanding of fractals makes it possible for engineers to compress information efficiently enough to transmit images through cyberspace.

Fractal geometry has also opened up new fractional dimensions. "In mathematics, we now talk not only about four-dimensional and million-dimensional spaces,



MOTH

colors, enough to create three-dimensional images and build luster and brilliance. Many of his artworks are reminiscent of the traditional Asian paintings he knew as a child.

Sekino has programmed fully automated fractal-plotting software with built-in equations that change input colors in a variety of ways. Using the software, he types in an equation, specifies basic colors, pushes the start button and waits for the fractal image to fill his screen. When the math professor plots a 3D image, he instructs his computer to build topography directly from a fractal using its digitized colors or to create contours around the fractal using metric topology.

"Fractals tied with chaos provide us with tools to explain natural phenomena, such as how hurricanes like Katrina develop."

but also 1.89-dimensional spaces," Sekino says. Fractal geometry has opened up new vistas in music as well; witness the provocative "Bach to Chaos: Chaotic Variations on a Classical Theme," based on fractals and composed by an electrical engineer.

Some mathematicians like to say that fractals are chaos made visible. The theory of chaos was born in 1974 when biologist Robert May used the word to describe wildly unpredictable population dynamics, based on the logistic equation. The *American Mathematical Monthly* published an article about chaos the following year that created such a sensation among younger mathematicians that it trickled over into popular culture. For example, in "Jurassic Park," Steven Spielberg introduced a "chaotician" who worried about an unpredictable fluctuation in the dinosaur population. "Through fractals, we see that chaos, which appears to be—well—chaotic in terms of numbers, is actually quite orderly," Sekino says. "Fractals tied with chaos provide us with tools to explain natural phenomena, such as how hurricanes like Katrina develop."

When Sekino took up high-tech art 21 years ago, computers worked in slow motion, often taking an entire night to generate an image. Now his computer can process most images in several minutes, although some images are so complex they take 10 days of computing time. The black and white palette Sekino worked with when he began has evolved into a palette of 16 million

Millions of people try their hand at fractals, and thousands have posted them to the web, but most artists keep their techniques and equations to themselves. Some 3D landscapes require great sophistication, and individuals and corporations jealously guard their methods. Hollywood's special effects industry has made them extremely valuable. Sekino's technique with coloring and contouring sets him in a class by himself, and his 3D images with an Asian flare are uniquely his own.

His sensitivity to color and shape was a gift from his father, Jun-ichiro. "On our walks in the fields, he would point out the delicate shades of blue on a butterfly against the sky or the intricate mix of lines and curves on a shrine," he says. Most of the houses in Tokyo were burned down during World War II, leaving many open fields. "I didn't know about war," says Sekino, who was born in 1942. "I remember I was a happy child because I had open fields to play in with my friends. I ran around with grasshoppers and butterflies all day long."

Sekino's father died before he saw his son's art, but Sekino believes his father would have been pleased. The math professor retired in May and will pour his energies into his own sons, now 10 and 12. "I want to spend a lot of time with them, before they become teenagers and stop intermingling with their parents." He'll play baseball with his sons, hunt for mushrooms in the mountains with his wife, and create magical places onscreen, where children of all ages can wander. •

wrong

BY REBECCA BRANT AND
BOBBIE HASSELBRING

WHEN MEREDY GOLDBERG EDELSON FOLLOWED THE DATA TRAIL, SHE FOUND A DEAD END. HER FIGURES DIDN'T ADD UP, BUT IT WASN'T JUST A DISCREPANCY BETWEEN HER FINDINGS AND OTHERS'. HER RESEARCH INTO AUTISM SHOWED SOMETHING WAS MISSING—THE RESEARCH ITSELF.

As a professor of psychology at Willamette, Edelson is well versed in the literature of autism. One of its most commonly accepted tenets is that the majority of children with autism are mentally retarded as well. But when Edelson's own research with autistic children showed otherwise, she began an exhaustive study of more than 60 years of autism literature. She discovered that most of the data on which researchers have based their claims are highly questionable, and in some cases there is no research whatsoever.

"When I started doing intelligence assessments on children with autism, I realized early on that you can't use regular measures of intelligence," Edelson explains. "Typical intelligence tests require children to be verbal and respond within a certain period of time, which many autistic children can't do."

Autism is a brain processing disorder characterized by impaired interpersonal relationships and communication; repetitive, stereotyped activities; and unusual

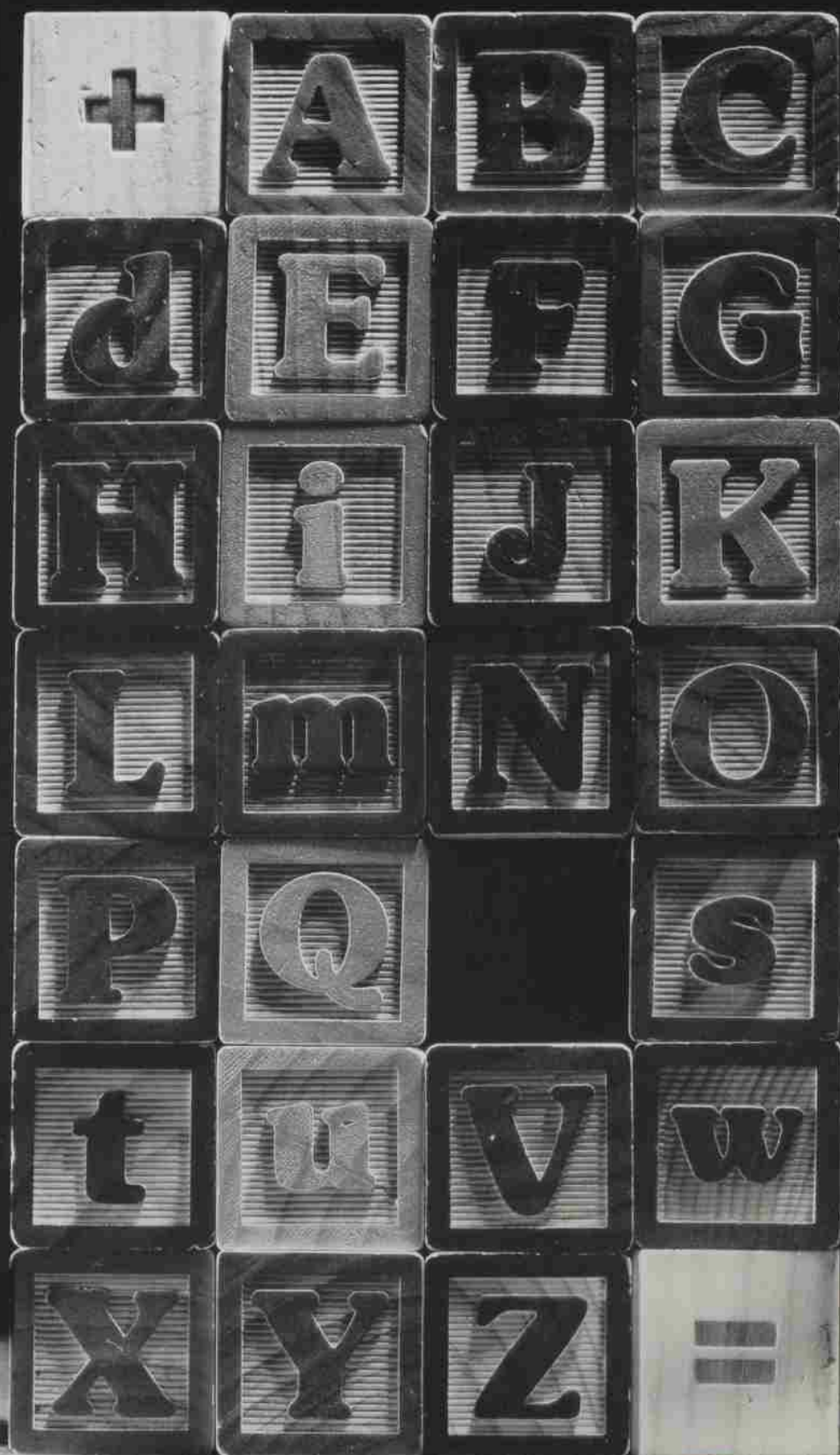
responses to sensory stimuli. Children with autism are often described as being in their "own world," "spacey" and "not connected." And autism itself is increasingly being described as "epidemic."

According to statistics from the U.S. Department of Education, more than 4,000 Oregon children ages 6 to 21 with autism received help through the Individuals with Disabilities and Discrimination Act (IDEA) in 2004-05. That's an increase of more than 15 percent since 2003-04. Across the country, IDEA helped more than 165,000 autistic children in 2004. These numbers, though large, don't include children who may have autism but have not been properly diagnosed.

Because of autistic children's limitations, Edelson didn't test them with standard intelligence measures. Instead, she opted to use the Test of Non-verbal Intelligence (TONI). "This test involves abstract reasoning and does not require a verbal response, so children don't have to be verbal or have prior knowledge of the world," she says. Other non-verbal tests require real-world knowledge. For example, in one such test, the child is presented with a picture of a garage next to a picture of a car. Then the child is shown a picture of a refrigerator and a blank. The child chooses which picture goes in the blank—a sugar bowl, a can of peas or a carton of milk. With the TONI, Edelson says, "The child looks at some stimuli and points to a pattern. Using the TONI, children with autism score significantly higher in intelligence than they do on other tests."

Psychology literature indicates that between 75 and 90 percent of children with autism score below 70 on standardized tests of intelligence, putting them in the mentally retarded range. Using the TONI, Edelson found the children scored approximately 90, which indicates average intelligence (average IQ range is from a low average of 85 to a high average of 115). Only 19 percent of Edelson's children scored in the mentally retarded range.

After repeating her study with a group of autistic children in Taiwan and getting similar results, Edelson knew she was onto something big. "The children in Taiwan were even less verbal, yet we got similar results," she says. "I began to suspect that maybe what we thought we knew about the intelligence of children with autism wasn't accurate."



Her final determination: Researchers have made a sweeping conclusion, one that impacts thousands of children and families, based on faulty data or no data at all. "The autism field has accepted as fact that autistic children are retarded. There are so many claims and they're so widespread that no one has bothered to look at the data behind them. There is not a lot of data to support the claims, and the data available are 35 to 40 years old and are based on measures that don't even measure intelligence."

Because retardation in autistic children has been so widely accepted, Edelson says schools and parents have lowered expectations of these children. "If we believe that vast majority—75 to 90 percent—of autistic children are retarded, we're not going to challenge them. We're not going to give them opportunities."

Edelson feels compelled to dispel the autism-retardation myth, and she's had to take on most of the psychology community to do it. She applied to present her research at the Autism Society of America National



Conference, but was rejected despite having presented there twice before. She sent her paper to *Science*, one of the most respected research journals, but editors there said it was "inappropriate." When she submitted it to *Developmental Psychology*, one of their reviewers praised Edelson's careful research, but two others gave scathing reviews that amounted to personal attacks.

Wary from these responses, Edelson sought advice from Richard Simpson, professor of special education at the University of Kansas and former editor of the journal *Autism and Other Developmental Disabilities*. "I recall reviewing one or more of Dr. Edelson's manuscripts and encouraging her to submit them for publication consideration to *Focus*," Simpson says. "I have great respect for her. The quality of her work is excellent and extremely creative, and she is willing to challenge the status quo."

When Edelson sent her paper to *Focus*, she requested the editors act as reviewers. "I told them this research was very political and I wanted my paper judged on the quality of the work, not its political nature."

The strategy worked, and Edelson's research is slated for publication this summer. "We were very interested in publishing Meredy's manuscript because her research challenges a commonly accepted but rarely validated assumption regarding individuals with autism," says Juane Heflin, associate professor of educational psychology and special education at Georgia State University and co-editor of *Focus*. "Meredy was thorough in her approach to the empirical question and provides strong substantiation to challenge the commonly held belief."

Concerned about raising such a controversial challenge, *Focus* editors talked with Edelson about her willingness to allow for rejoinders. When she readily agreed, the journal solicited two highly respected individuals in the field and asked them to read and respond to the pre-publication version of her manuscript. "We anticipated strong reservations and were very surprised that both individuals commended Meredy for raising the question and for her careful approach to analyzing the data," Heflin explains.

The rejoinders will be published in the same issue as Edelson's article, and they not only commend her work, but speak to its potential impact. One of the rejoinders states, "This is an excellent article that should encourage all professionals to confront many of the preconceived notions they may have regarding children affected by Autism Spectrum Disorders," while the other concludes, "We wish to compliment Dr. Edelson for asking an important question and providing a scientifically convincing answer. Hopefully, her request for more extensive and objective research in this area will come to pass."

Edelson is unfazed by the political wrangling. She just wants the truth to come out so autistic children can be helped. "In the 1950s, children with autism were institutionalized. Today we know that they have more options, from education and treatment to life plans including college and careers, marriage and children. If most children with autism aren't retarded, we need to find ways for them to interact with society and help them become all they can." ■

Edelson decided to dive into the literature—to literally research the research. “I limited my research to English language reports and to studies that either made an overt claim about the number of autistic children who are retarded or had data from assessments of intelligence in children with autism,” she explains.

Edelson reviewed 215 studies dating from 1937 to 2003 that made 223 claims about the rates of mental retardation in autism. Of those 223 claims, only 58 were empirical (claims supported by data), 165 were non-empirical (claims made in the absence of data), and 8 made both empirical and non-empirical claims.

“I wanted to know if the claims came from data,” Edelson says. “If they didn’t come from data, could the claims be traced to data historically? If the studies were empirical, were they conducted in a way that the results were valid? Were they using people who knew how to assess children with autism, and did they use measures appropriate for these children?”

What Edelson found disturbed her. The assumption that the majority of children with autism are mentally retarded is based on questionable data. Worse, nearly three-quarters (74 percent) of the claims are not based on data at all. Of those, 36 percent never even cite the source on which they make the claims. “They claim, ‘The majority of autistic children are mentally retarded,’ but they don’t state where they get that information,” she says. “Then others cite those studies and end up perpetuating the myth that most children with autism are mentally retarded.”

Even more egregious is that 8 percent of these non-empirical studies make false claims about the studies they cite, and 21 percent inflate the data from cited studies, reporting, for example, that a study found 80 percent of children were retarded when the rate was actually 70 percent. When Edelson reached the end of the citation trail, she discovered 53 percent of the non-empirical studies did not trace back to data. “When I traced these citations back, more than half the time, there were never any data at all.”

Edelson hoped her analysis of the empirical research would uncover better support for the claims regarding the rates of mental retardation in children with autism. But it didn’t. Of the 58 empirical studies, only 35 (15.7 percent of all the studies reviewed) described how they measured intelligence in autistic children. “There isn’t even a way to evaluate most of the data,” Edelson says. “Most just report their results without describing how they measured intelligence. Also, the way intelligence is measured varies widely. In the same study, researchers might use verbal measures or timed performance measures. Some use development measures or social adaptability scales, which aren’t even measures of intelligence.”

When Edelson untangled the studies, she found “many of the studies did what I call ‘equating untestability’ with mental retardation. If the researchers had a child they couldn’t test, they just assumed he or she was retarded and assigned a very low IQ score, like 25. Others do a little bit of everything but aggregate their data so you can’t see what is valid and what isn’t.”

Stopping the Hurt



Meredy Goldberg Edelson held regular sessions with her children when they were small, warning them about inappropriate sexual overtures. Edelson is all too aware of how vulnerable children are; she sees child abuse up close and personal each Thursday morning at Liberty House in Salem, where she serves as a child interviewer.

Before Liberty House opened in 1999, local children who had been abused or neglected were shuffled through doctors’ offices, police precincts and courtrooms, where they were intimidated and retraumatized by multiple interviews. At Liberty House, children are interviewed once, and interviews are videotaped for further review. Medical examinations are provided, and families are put in touch with counseling services. The process helps children heal from unspeakable crimes and often helps take abusers off the streets.

Interviewing one child each week, Edelson has now worked with 280 children, almost half of them younger than 6. “Meredy has gifts with children and a deep understanding of those who have been abused,” says Gretchen Bennett, executive director of Liberty House.

Some children are reluctant to talk. They look at the floor and keep their silence, and Edelson respects their decision. Others are relieved that someone will listen. When the interview is over, Edelson helps the child pick out a stuffed animal.

Every once in awhile, Edelson is caught off guard. “Sometimes a child comes in who reminds me of one of my kids.” Perhaps they’re the same age or have similar mannerisms. But she knows that, in a deeper sense, they are all her children. At least on Thursday mornings.

cult of CORAX

BY REBECCA BRANT

CULT, N. (FRENCH, LATIN); **5 A** : GREAT DEVOTION TO A PERSON, IDEA, OBJECT, MOVEMENT, OR WORK (AS A FILM OR BOOK); ESPECIALLY SUCH DEVOTION REGARDED AS AN INTELLECTUAL PASSION; **B** : A TYPICALLY SMALL GROUP OF PEOPLE CHARACTERIZED BY SUCH DEVOTION

CORAX, N. (LATIN), **1** : THE COMMON SPECIES OF RAVEN, NOTED FOR ITS INTELLIGENCE, CURIOSITY, AND AN APPETITE SO LARGE IT GAVE RISE TO THE DESCRIPTOR 'RAVENOUS'; **2. CORAX** : ACRONYM FOR AN EXCLUSIVE BAND (CULT) OF WILLAMETTE UNIVERSITY UNDERGRADUATE RESEARCHERS WHOSE INTELLIGENCE, CURIOSITY AND APPETITE FOR KNOWLEDGE RIVAL THAT OF THEIR FEATHERED NAMESAKE, FOUNDED AND LED BY ASSOCIATE BIOLOGY PROFESSOR DAVID CRAIG, THE "C" IN CORAX, AND A MAN WHO CONSIDERS IT HIS LIFE'S WORK TO INFECT STUDENTS WITH HIS OWN STRAIN OF BIRD FLU

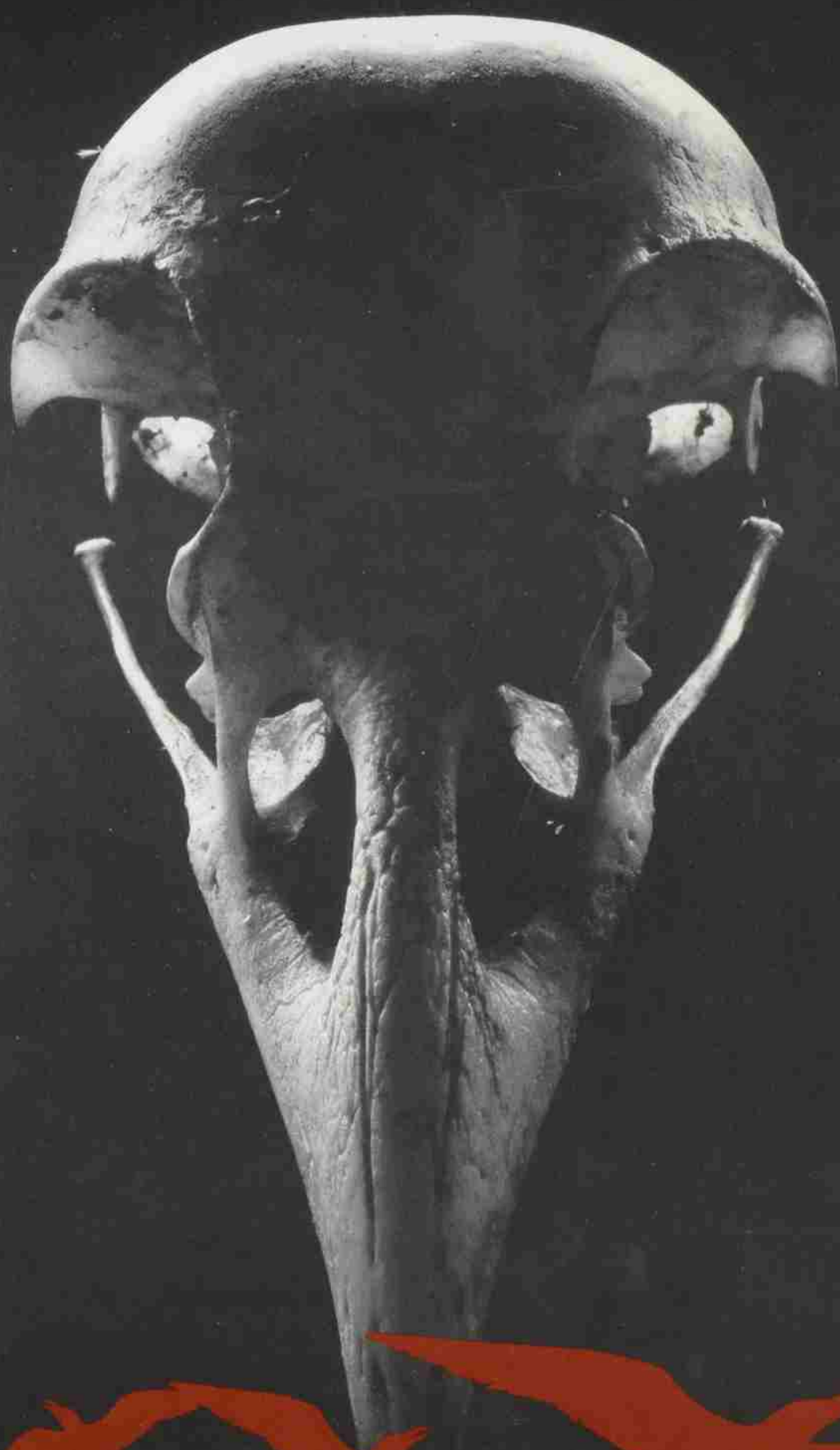
Indeed, Craig's enthusiasm is contagious. Perhaps that's what drives more than 40 students a semester to approach him to be their advisor—that and the opportunity to be directly involved in his various field research projects.

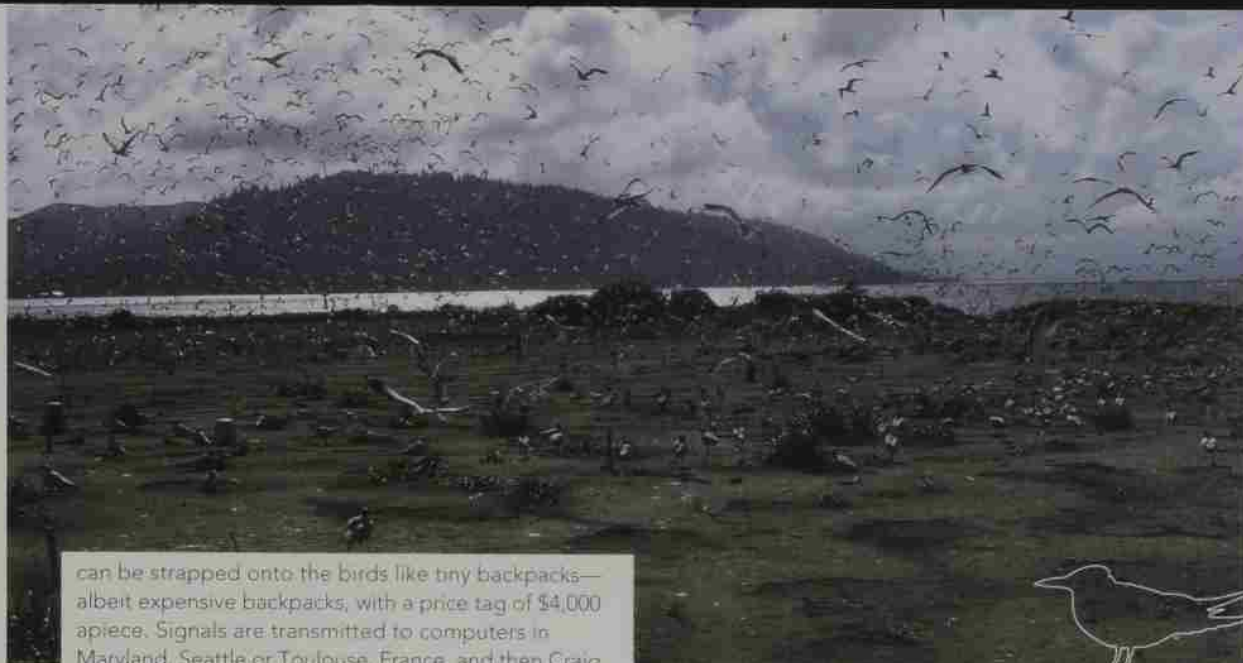
"Dave was a great advisor," says Samaritha Lantz, who fledged from Willamette and CORAX in 2005. "He encouraged us to think for ourselves and to ask questions beyond those we were directly studying. I came in thinking about going into biotech or pre-vet studies and ended up as a field biologist. Dave definitely got me excited about working with birds."

Thanks to Craig, a lot of Willamette students are excited about working with birds, despite hazards including long hours, bird bites ("tern kisses" as the group calls them), and every form of extreme weather imaginable, including the inevitable storm of what Zach Holmboe '03, MAT'04, refers to as "excretory rain."

Craig formed CORAX in 2001 as a way to encourage and reward dedicated undergraduate researchers. Craig's Outstanding Research Associates—the X in CORAX is a variable for behavior or ecology—enjoy their own laboratory next to Craig's office. On the door is a list detailing "the Pecking Order," with Craig himself ranking as the "Big Bird," along with the following statement: "A group of ravens is called an unkindness. It can also be a 'constable' or 'conspiracy,' depending on what they are doing at the time... Those named below are a part of a constable for the CORAX lab. They are in charge of keeping the lab orderly. If they do not, they will be told to flock off..." Other rules of membership include the responsibility to grow the network of research colleagues and to participate first-hand in Craig's field research.

In recent years, that research has increasingly focused on Caspian Terns, the world's largest species of tern and one of the most widespread, with colonies on every continent except Antarctica. The species is endangered everywhere outside North America, including their homeland at the mouth of the Volga River near the Caspian Sea, where a special preserve has been established to protect their dwindling numbers. Such is not the case here in the Columbia River estuary.





can be strapped onto the birds like tiny backpacks—albeit expensive backpacks, with a price tag of \$4,000 apiece. Signals are transmitted to computers in Maryland, Seattle or Toulouse, France, and then Craig and his students receive an email about the location of a particular bird.

While tracking harnesses have been used on other bird species including osprey, eagles and albatross—all much bigger birds—Craig and his students had to devise a tern harness that would not interfere with the birds' natural behavior or endanger their well-being. Researchers at the University of Washington tagged terns with similar devices in 2005, but the harnesses proved lethal. Most of the birds were found dead within two weeks, their beaks trapped in the harness material.

Confirming his theory that who you know can be as important as what you know, Craig made a call to a friend from graduate school who had used fabric harnesses to study iguanas in Puerto Rico. That friend encouraged Craig to contact Nike, which was boasting a new shoe with "the toughest fabric ever invented." Nike "Imagineers" got behind the project and helped Craig analyze a variety of neoprene- and lycra-based fabrics for the backpacks. They provided samples and put him in touch with a wholesaler, who donated the final selection—a fabric that was lycra on one side, neoprene on the other. Once fashioned into a harness, Craig and the Imagineers dubbed it "The Terncoat."

Creating the harness was quite an adventure for Samantha Lantz '05 and Joel Shinn '05. "We had two captive terns that summer, Wild Bill and Tiny Tim," Lantz recalls. "We tried out different harnesses on them and perfected the fit for the satellite tags." The two CORAX members spent hundreds of hours observing and videotaping the terns' reaction to various cuts and fits of harnesses in what Craig calls "the summer of captivity," referring to both the birds and the students. The final design, based on the template of a peregrine falcon harness, is light-weight, snag-proof, waterproof, dive-proof and won't interfere with the birds' normal activities.

Once they had the backpack, they needed the birds, so last summer Craig and seven students headed to the shores of East Sand Island, armed with binoculars, pliers, clipboards, wire cutters, bird decoys, a net launcher,

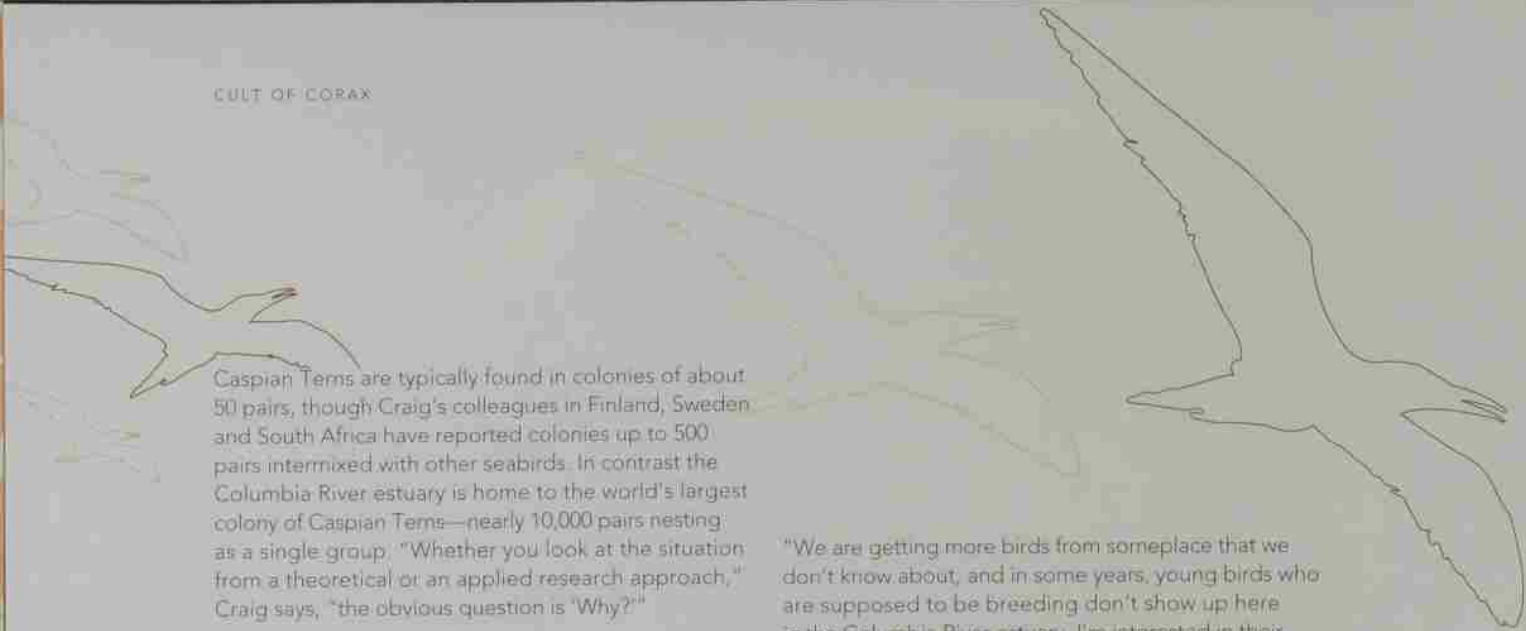
netting, terncoats and tags. Early attempts failed to corral the birds within close enough proximity of the net launcher, so the team regrouped, moved their decoys and waited. Their patience paid off, with eight terns captured under the arcing net.

After the well-orchestrated team effort to grasp each bird, hold its beak to prevent biting, and untangle it from the net, Craig began the laborious process of attaching the harnesses. Using a curved needle and cotton thread, Craig sewed the small straps of each harness in three places so the device sits directly behind the bird's head with its six-inch antenna extending toward the tail. The cotton thread will degrade in a year or two, freeing the bird and allowing the tracking device to be retrieved.

Other tern round-ups corralled chicks for color banding. Craig and his student researchers could then look for those chicks at the terns' wintering ground in Oaxaca, Mexico, where they traveled in January.

One of Craig's greatest resources on the trip was Evan Buechley '06, who had conducted other research in Oaxaca, is fluent in Spanish, and was instrumental in working with local fishermen to understand how new bare islands were being created in the region. "Doing publishable field work at a small school is tough," Craig says of the terncoat project, "but constraints compel creativity. If I was at a big research university, I wouldn't have been aware of a student like Evan. I would have had to hire a translator. But there are conversations that take place around a campus like this, and I was able to hook up with Evan and train him as a researcher while I gained from his language skills, local knowledge and approach to people."

Jacquie Grace '07 has worked with Craig on more aspects of tern research than any of his other students—a small miracle considering how she met Craig three years ago. "I started the year with 43 advisees," Craig recalls, "and I realized I had to draw the line somewhere. Then I met Jacquie. She stood at my door in maybe her third week of school and basically said I should be her advisor because ever since fourth grade,



Caspian Terns are typically found in colonies of about 50 pairs, though Craig's colleagues in Finland, Sweden and South Africa have reported colonies up to 500 pairs intermixed with other seabirds. In contrast the Columbia River estuary is home to the world's largest colony of Caspian Terns—nearly 10,000 pairs nesting as a single group. "Whether you look at the situation from a theoretical or an applied research approach," Craig says, "the obvious question is 'Why?'"

The answer appears to be that for 15 years, Portland created Caspian Tern paradise in the Columbia River on Rice Island. "In the past, bare sand islands like this one would last for only a few years. They'd erode or become overgrown with vegetation, and the birds would move on," Craig says. "Because the Port of Portland is 70 miles inland, we dredge the river so big ships can sail in, and that annual dredging creates fresh islands that are bare, predator-free and ideal for these birds."

"We are getting more birds from someplace that we don't know about, and in some years, young birds who are supposed to be breeding don't show up here in the Columbia River estuary. I'm interested in their migration, how and where they're going, and what's happening on their wintering grounds."

Caspian Terns feed their fledged young during winter migration and apparently feed them longer than any other tern species. Since the greatest mortality in these birds occurs in the first two years, Craig hypothesizes the long parental investment is necessary for fledglings to learn to feed. If wintering ground conditions are partic-

"My real joy comes from seeing students develop a sense of service," a passion for the intellectual life, from seeing them get internships and jobs through the corax network they've built. They think this networking is normal, but it's value added, it's the intellectual endowment growing with each new graduate, and it's sweet!"

Not to mention the unlimited food supply. Salmon hatcheries dump nearly 200 million smolts into the Columbia each year. "It's like filling a bird feeder with fish," Craig says. And therein lay the problem.

Studies revealed the burgeoning Caspian Tern colony could consume up to 15 million salmonids each year, so in 1999 the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service and other agencies provided grants to Craig and other experts to help move the birds further down the river to East Sand Island, where they could feast on a buffet of herring, anchovies, sardines, shiner perch and other fish that thrive in the estuary waters. Much to the delight of scientists and the relief of salmon advocates, a laborious process called "social facilitation" involving decoys and tern calls was successful in relocating the majority of the colony to East Sand Island. The move has reduced salmon consumption by 40 to 50 percent, and the goal now is to break this single large colony into many smaller colonies throughout the western United States.

To do this, Craig and students are now focusing their research on long-term issues like migration and breeding. "Things don't add up with these birds," Craig says.



ularly conducive to this process, it might help explain the growth in Caspian Tern colonies in this region.

With grants from the M.J. Murdock Charitable Trust, the U.S. Fish & Wildlife Service and Willamette University, Craig has started tracking the terns with satellite telemetry units, GPS devices weighing only 18 grams, that

12 Craig purchased this rubber duck and floated it down the Mill Race as part of a fraternity fund-raiser at Willamette a few years back. "It came in third!"

13 On the duck is a radio collar, usually used for tracking squirrels, another of Craig and Co.'s research projects

14 Craig's wife, Kendra, painted this egg. The daffodil is an inside joke; a reminder of the daffodil he gave her when they first started dating. In fact, Craig was in the habit of giving daffodils to the girls he dated, so much so that he was known as "Daffodil Dave" on the Lewis & Clark campus during his undergraduate years.

15 A young niece gave Craig this birdman totem. "She likes birds. So do I." The figure also reminds him of some Native American friends.

16 Inside this glass vial is the skull of a Red-Capped Manakin. Craig found the skull in Costa Rica after discovering the nest of a rare Barred Forest Falcon.

17 Craig spent his first year on the Willamette campus as a replacement for a professor on sabbatical. At the end of the year, he learned he would be kept on as faculty. Wanting to commemorate the occasion, he wandered over to the University Center, where a man was selling fossils. Craig chose this, fossilized turtle dung from the Cowlitz River, near one of his Caspian Tern research sites.

18 One of Craig's favorite photos shows (left to right) his father, Craig, then-girlfriend Kendra Mingo, and friend, fellow biologist and old-growth lover Eric Wold.

19 A Caspian Tern egg.

20 A Corax/raven totem carved from the same redwood branch as No. 3.



CORAX: Craig's Oddments, Rarities, Artifacts, X-cetera

WALK INTO ANY FACULTY OFFICE AND YOU'LL LEARN MORE ABOUT ITS INHABITANT THAN ANY NUMBER OF QUESTIONS CAN REVEAL. WALK INTO DAVID CRAIG'S OFFICE AND YOU'LL BE AMAZED AT THE VOLUME AND VARIETY OF DECORATIONS, TRIMMINGS, PERSONAL EFFECTS OR ANY NUMBER OF OTHER TERMS THAT COULD BE USED TO DESCRIBE HIS COLLECTION OF BRANCHES, BIRDS, BOOKS AND BONES—including a whale vertebra that might just fit into a standard-size oven, but only if the racks were removed. SET INTO A LONG WALL OF BOOKS IS THE NOOK SHOWN BELOW, JAM-PACKED WITH ARTIFACTS. AND CRAIG HAS A STORY FOR EACH ONE.

- 1 A Caspian Tern decoy, one of several in Craig's office, this one retired from field research expeditions.
- 2 Craig found this bony mass when he was 9 years old and was convinced it was a bat's skull. He imagined which holes were eye sockets, which were part of the jaw. It was only in college that he discovered it's actually the pelvis of a duck.
- 3 Craig carved this totem of a Marbled Murrelet from the branch of a redwood tree, in which he was sitting at the time after climbing it with a friend. Craig engraved the fetish with "5 July 89" and presented it to his soon-to-be-wife, WU's Kendra Mingo, grants specialist. "It combines my passions for birds and old growth forests," he says—and presumably for Kendra as well.
- 4 While Craig is not a smoker, this pack of Belmont cigarettes holds great meaning (and great humor) for him. While traveling to Ecuador with a group of students after his first year of teaching, Craig bought a leather jacket. Thereafter the students said he looked very "suavé." They later presented him with the pack of Belmonts, but he didn't get the joke. They kept telling him to look closely. He finally noticed the cigarettes were labeled "extra suave." The students spent the rest of the trip speaking in British accents and calling Craig "Belmont." He laughs fondly at the memory. "That's what teaching is all about," he says. "Creating that kind of dynamic with your students."
- 5 Craig's first microscope, received when he was 6 or 7 years old. "As the oldest sibling, I claimed it as MINE."
- 6 This shell casing is from the cartridge used for the first net launch successful in capturing Caspian Terns for tagging. "This is when I knew the project was for real," Craig recalls with a grin.
- 7 Detail-oriented observers will notice this knit headband is done in the same colors as the Caspian Tern decoy in the foreground. It was knitted for Craig by one of his students and inspired him to learn how to knit (he was taught by another student) so he could make a Christmas present for a family member. He often sports the headband around campus, in the spirit of the film "The Royal Tennenbaums," not so secretly hoping to start "some sort of bio-dork cult."
- 8 "Biology people love to have artifacts around to stump their friends," Craig says. This, one of his favorite stumpers, is the under-beak of a Pacific octopus.
- 9 Craig made this bead bracelet (red represents blood, green represents plants, etc.) in "outdoor school" in 6th grade.
- 10 The skull of the common raven, *Corvus corax*, seen also on page 32. Craig found this skull in the East Sand Islands while researching ravens' breeding and fledging habits.
- 11 The doubly labeled water technique uses water (H_2O) in which both the hydrogen and oxygen have been replaced with heavy isotopes ($2H$, $18O$) for metabolic tracking purposes. Using this technique, Craig and Co. caught and injected 26 terns to calculate the average number of salmon consumed per tern per day. In a jolly good effort at cross-species data sampling, two students "captured" Craig and subjected him to the same research techniques he uses on birds. In the end, his legs were color-banded, his hair pink, his weight and limb lengths recorded, and his body filled with "Water Water."



Taking a Tern at Teaching

I had the pleasure of working with Dave Craig on many different projects, some with CORAX, some not. Now I'm a science teacher at Neil Armstrong Middle School in Forest Grove, Ore., and seldom a week goes by that I don't mention one of our numerous adventures to my class. Their favorite is the story of the tern research.



I tell them how I got to experience the Crusoe-like thrill of jumping out of the boat to pull it to shore, only to find I had reached some sort of commune-boot camp fusion. The man in charge had ragged hair and a grizzly beard and used a commanding voice to train us how to crawl on our elbows so as not to disturb the terns before the time was right. We were to spread our arms and legs as wide as possible to corral the terns, but so many of them took to flight, the sky actually darkened. And then I realized I had forgotten about animal fear responses. The birds defecated and vomited at such a rate you would

have thought you were in a snowstorm if not for the smell. The moment this began, Grizzly Man began yelling at us: 'Collect that! We need it for data!'

We stayed on the island that night in the frigid wind and somehow made fajitas in the dark of an edifice that was little more than a combination of tent and shack. We were greeted the next morning by the calling of a Swainson's Thrush, which I greatly enjoyed.

I also went with Dave and a number of other students to Ecuador and the Galapagos. One time we were taking a boat up a river through a rainforest, and I noticed something floating in the water. It was a three-toed sloth. We all were satisfied to gawk at it as it held onto a branch, seeming to take a bath. But not Dave. Dave had to hold it. He gently lifted it out of the water, careful not to tip the boat, and it held onto his arm like you might expect a baby monkey to do. The creature's slowness belied its strength, and within a minute there was blood running down Dave's arms where the three toes were digging in. Dave, in his typical fashion, thought this was quite cool and handed someone his camera to take a picture of the bloody incident.

I constantly aim to match Dave's enthusiasm with my students. I tell them stories of our adventures and do my best to get them outdoors to have our own Dave-like experiences. I work with a club called SMILE, designed to help students from disadvantaged backgrounds aim for college by getting them excited about science. My enthusiasm for teaching and encouraging my students stems directly from the enthusiasm Dave showed me.

—Zach Holmboe '03, MAT'04

1907-2007

Biology
 Willamette University
 100 YEARS

Celebrate 100 Years of Biology at Willamette September 13-14, 2007

FEATURED SPEAKER Edward O. Wilson
 Smith Auditorium
 8 p.m., September 13, 2007

Edward O. Wilson, Pellegrino University Research Professor Emeritus at Harvard University and two-time Pulitzer Prize winner, is hailed as "the new Darwin" by Thomas Wolfe and as one of "America's 25 Most Influential People" by *Time* magazine.



when an albatross biologist visited her class in Hawaii, she had wanted to do research on seabirds."

Advisee No. 44, Grace studied play behavior among the young terns since play is a sign of higher intelligence and better environmental adaptability. She observed the young birds throwing and catching sticks, always in a certain way, always sticks of a certain length—the same length as the fish the parents would bring them for feeding. Grace was honored with the Friends of Hatfield Library Best Paper Award for her tern research and will be a coauthor on a future paper with Craig. She is currently in England conducting research on the cognitive behavior of other types of birds.

"My research is great because it's easy for me to involve students and tap into their curiosity."

Other former CORAX standouts include Lantz, who will pursue waterbird research when she begins graduate school at Florida Atlantic University this fall, and Penny Spiering '03, Craig's very first research assistant and "the woman who set the bar for all the rest," who is currently working for the Smithsonian to reintroduce wild dogs in South Africa.

Carson Brown '04, currently pursuing a master's in biology at Angelo State University in Texas, is conducting a population genetic analysis of the endangered Mexican long-nosed bat. "Professor Craig never gave me the answer I was looking for, the easy answer, the factual nugget," he recalls. "Rather, he often phrased his response in the form of a question, like a Jedi Master, like Yoda. You don't realize it at the time, but these seemingly frustrating 'answers' are seeds he is planting in your mind. They grow and develop into the fruit of knowledge, and then you realize he has taught you yet another important lesson."

"Such students are great raw material," Craig says, beaming. "Many already have the attitude and aptitude to be researchers. I really see research as teaching. It's my paradigm at Willamette."

Craig's enthusiasm for teaching stems from his excitement as a student being encouraged to pursue something he loved. Raised in Scappoose, Ore., Craig was 7 when his grandmother gave him Peterson's *Field Guide to Western Birds* for Christmas in 1974. He treasured the book and a pair of binoculars, which he used to recognize the birds, to learn their names and

behaviors. He participated in Future Farmers of America, studied veterinary medicine, and was the first person in his family to go to college. A scholarship to study culture in Japan led him to dream of a career as an international doctor—a career he would enjoy and that would allow him to further his passion for bird watching.

Craig recalls it was during his first year of pre-med studies at Lewis & Clark College that he was on the lower campus with his binoculars watching a Varied Thrush when his professor "caught" him and told him to come in during office hours. Instead of the interrogation he expected, Craig was encouraged to inquire about an internship with alumni conducting research at the Point Reyes Bird Observatory in Bolinas, Calif. It was during that internship he attended his first scientific meeting and realized "people have jobs doing my hobby!" He told his parents about his intended change of career, and they were behind him, "as long as they knew I had health insurance."

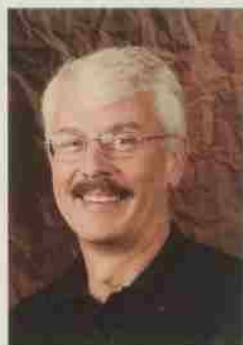
Today, Craig wants the same kind of experience for his students. "My research is great because it's easy for me to involve students and tap into their curiosity," he says. "Students can make it their own and go on to do this professionally." While not all students can accompany Craig on his excursions to Hawaii, Samoa, Ecuador or Mexico, he wants them to know they can learn and apply all the same skills that Nobel Prize-winners like Niko Tinbergen, Konrad Lorenz and Karl von Frisch have used in their own quest for knowledge.

"Foremost among my training objectives is to engage students in my network of research connections and give them the momentum to make their own personal networks, which then feed back into mine, which then feed the next set of undergraduates."

And so, as summer begins in earnest, Craig and various CORAX members are headed out to the field again to band and tag more Caspian Terns, collect more data, and prepare more papers for conference presentations. "Working with these students is as good as getting a big grant," Craig says. "And my real joy comes from seeing students develop a sense of service, a passion for the intellectual life, from seeing them get internships and jobs through the CORAX network they've built. They think this networking is normal, but it's value added, it's the intellectual endowment growing with each new graduate, and it's sweet!" •

Bobbie Hasselbring contributed to this article

For a Lifetime



"For a Lifetime," a phrase coined by Alumni Association board member Jack Brown '51, is the theme of a two-year initiative by the board to show students and alumni that their relationship with Willamette doesn't end with graduation. Jack is living proof of this sentiment. Having just completed a six-year tenure on the board, he continues to participate in events, planning and giving, even 55 years after graduation.

Heading into the second year of this initiative, the Alumni Association has established several avenues to share the "For a Lifetime" message:

- Our Career Support Committee has worked closely with Nancy Norton, Willamette's director of career development, to assist students as they prepare to enter the job market. Events such as Mentor Day and the Etiquette Dinner have been well-received by students for providing the skills, advice and encouragement they need to take that first step on their new career paths.
- Our Campus Relations Committee is building a connection with the Willamette Events Board (WEB), a group run and supported by students to organize and promote social and educational events. We're working with WEB to find activities of mutual interest in the coming year. We hope this will include an invitation for alumni to join in a round of campus golf!
- We have also raised some seed money to create a small discretionary fund for the board to use to jumpstart new initiatives.

As we prepare for 2006-07, we pay tribute to Jim Booth '64, director of the Office of Alumni and Parent Relations for the past 17 years, as he takes on new assignments as senior director. While there is not enough space to list Jim's accomplishments here, board members past and present recognize his hard work and dedication in making the Alumni Board a success. Thank you, Jim!

As always, we welcome your suggestions and participation. If you're interested in joining the alumni board, drop me a line at gstephenson@comcast.net. See you next year!

Guy Stephenson '73
Alumni Association President



Bistro Reunion

This fall, the Bistro Willamette will celebrate the 20th anniversary of its opening. The University will mark the occasion with two days of reunion festivities, Sept. 29 and 30, 2006. All former Bistro employees are invited to attend!

Founded in 1986 by students Eric Fishman and John Donovan (both Class of '88), the Bistro has been an iconic presence and testament to student ingenuity on campus ever since.

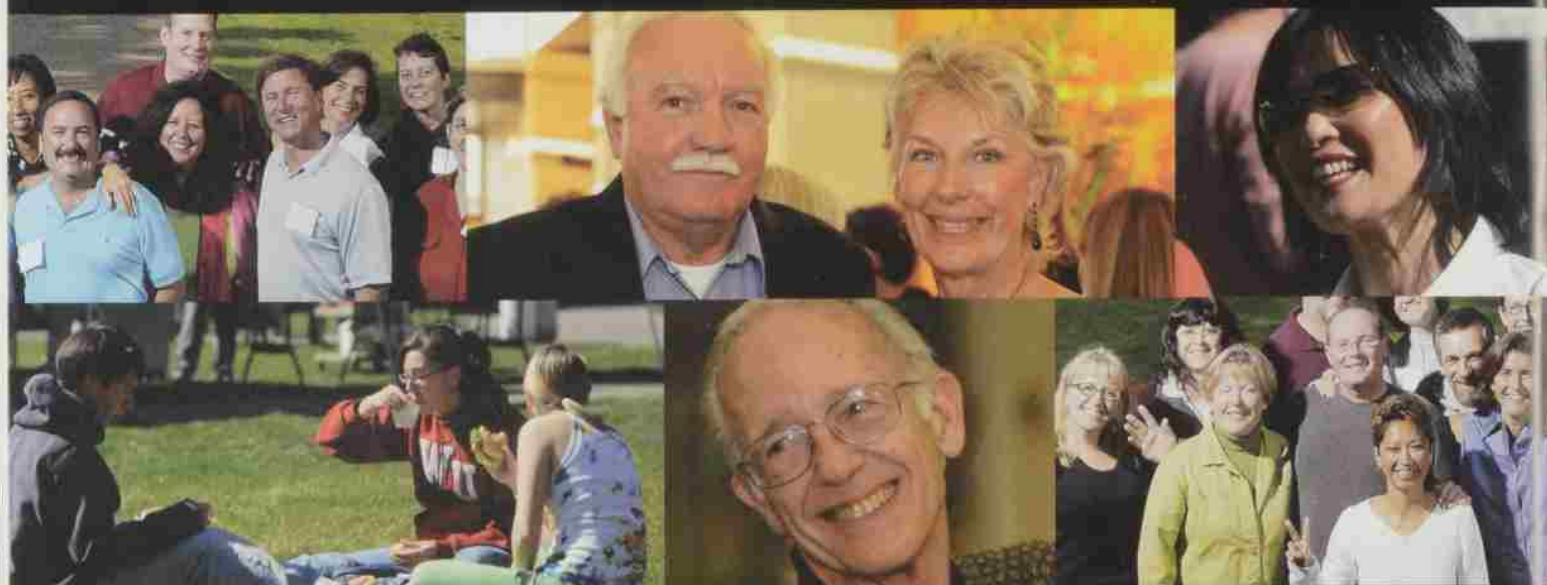
The Bistro has employed more than 200 students in its 20-year history, but our staff records are incomplete. All Bistro alumni are encouraged to contact former Bistro manager Rianne Stephens '05 at rstephen@willamette.edu with updated contact information. As we plan this event, we are also looking for suggestions, memories, photographs, etc.

We hope to hear from you soon!



REUNION WEEKEND

Willamette University



Wonder what your classmates and friends are doing 10, 20, 50 years after graduating?
Want to hear from a current professor? Curious to see how the campus has changed over the years?
Interested in what it takes to be admitted to your alma mater today?
These opportunities and more await you during Reunion Weekend.

September 15–17, 2006

Special events include class gatherings, a Picnic on the Quad for all students and alumni, and a new tradition, Celebrate Willamette! Reunion Grand Finale, a dinner Saturday night at the Salem Conference Center, showcasing student and alumni entertainment.

Special Welcome to Reunion Classes

1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1996,
the Half Century-Plus Club, and Air Force ROTC Alumni

Mark your calendar now and plan to attend Reunion Weekend 2006.

For more information, check your class reunion website at

www.willamettealumni.com, click on "Reunions," and look for your class year.

Class websites are being updated frequently.

remember. reconnect. rekindle.

and sightseeing while earning a few CLE credits, too. For more information or to add your name to the cruise mailing list, contact Cathy McCann, law alumni coordinator, at 1-800-930-ALUM, 503-370-6492, or cmccann@willamette.edu.

CONTACT US

The Office of Alumni & Parent Relations provides unique travel, event and educational opportunities for Willamette alumni and friends. Contact us for more information or to get involved in planning future happenings: Office of Alumni & Parent Relations, alumni@willamette.edu, 1-800-551-6794 or 503-375-5304, or visit our website at www.willamettealumni.com.



Back from Down Under

This group of alumni and friends enjoyed a great cruise in January that embarked in Auckland, New Zealand, and debarked in Sydney, Australia, with numerous stops in between. Highlights included Christchurch, Dunedin, Milford Sound, Hobart, Tasmania, and Sydney.

Pictured left to right: Richard '57 and Elaine Bauman, Chet Daniels '56, Arline DeFrank, Sandy Booth, Donna (Holm) Daniels '58, Jim Booth '64, Barbara (Anderson) Bone '57, Carol (Klecker) Swan '49, Betty (Weber) Bolton '53, Dorland Swan '51, Carol (Pfaff) von Schmidt '57, Gary Lockwood '57, Bonnie (Dugdale)

Robbins '62, Chuck Carter '55, Gayle (Rogers) Lockwood '57, Joyce (Ambler) Carter '57, Norm Dversdal '55, Betty (Dahlberg) Dversdal '50, Dale Gustafson '56, Sally (Bridgeman) Gustafson '54, LuDene (Hargrave) Clark '51 (not pictured), Ralph '53, JD '55 and Sally Bolliger.



They Know the Way: The Bay Area GOLD chapter heads to San Jose to volunteer at the Second Harvest Food Bank.



GOLD in Golden: The Denver GOLD chapter enjoys a tour of the Coors Brewery in Golden, Colo.

WILLAMETTE GOLD

GRADUATES OF THE LAST DECADE

In the last year, Willamette GOLD groups enjoyed skiing and beer tasting in Colorado, volunteered with food banks in Portland and the Bay Area, cruised San Diego's Mission Bay, picked up financial planning tips in Salem, and met up for drinks in D.C. If you haven't yet attended a GOLD activity in your area, we have many events happening this summer:

June 24	San Diego	San Diego Padres vs. Seattle Mariners
June 25	Fort Collins, Colorado	Fort Collins Brewfest
July 7	Washington, D.C.	D.C. Nationals vs. San Diego Padres
July 13	Salem	Salem-Keizer Volcanoes vs. Vancouver Canadians
July 15	Tacoma	Puget Sound Bike Tour
August 13	Portland	Oregon Zoo Tour

For more information on these events or to see the full GOLD event calendar, visit the Online Community at www.willamettealumni.com.

Circling the Globe

Book Now to See the Bard July 13–16, 2006

Once again Jim Booth '64, senior director of alumni relations, and Pat Alley '73, play commentator extraordinaire, will lead a group to the Ashland Shakespeare Festival for a fun-filled three days and six plays. We'll stay at the convenient Plaza Inn & Suites for three nights while seeing *Bus Stop*, *The Importance of Being Earnest*, *Cyrano de Bergerac*, and

Shakespeare's *Winter's Tale*, *King John* and *Two Gentlemen of Verona*. Itinerary and pricing include transportation, two meals en route, preview lectures and one dinner. The group is limited to 25 people, so call us today to reserve your place.

See for Yourself: Dead Sea Scrolls Exhibit in Seattle

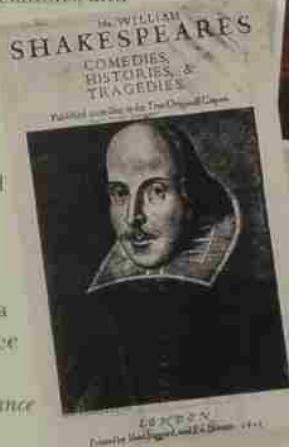
Oct. 15, 2006

For half a century, the public has been forbidden from seeing the fragile scrolls and fragments discovered

by a young Bedouin shepherd in the caves of Judea in 1947.



Portion of the Thanksgiving Scroll (11Q5) partly unrolled; photo courtesy of the Estate of R.K. Hammon



But the scrolls are now on display, and you and other Willamette alumni, parents and friends are invited to a viewing in Seattle, Oct. 15, 2006.

The exhibit features 10 scrolls and scroll fragments, some biblical in nature and others sectarian. The show will also include a collection of artifacts — mostly pottery, wooden bowls and coins — from Qumran, near where the scrolls were found, along with displays of the technology involved in the discovery, preservation and interpretation of the scrolls.

Tickets are limited to four per household, so make your reservations ASAP by going to www.willamettealumni.com or calling us at 1-800-551-6794.



Photo by Dravitsky/istockphoto

Start Planning Now for a Brazilian Adventure

January 2007

Following our very popular cruise to Australia and New Zealand, we are planning a Brazilian Adventure cruise, departing from New Orleans Jan. 6, 2007.

The trip will be led by Jim Booth '64, senior director of alumni relations. Caribbean stops will include Grand Cayman, Aruba and Trinidad. Stops along the eastern coast of South America will include Devil's Island in French Guiana, and Fortaleza, Salvadore and Rio de Janeiro in Brazil. A limited number of cabins have been reserved at a group rate, starting at \$2,295 for the 16-day tour.



Set Sail for Greece

June 2007

Join Willamette College of Law Dean Symeon Symeonides and his wife, Haroula, on a tour of the Greek Isles next June. Enjoy a week of sun

Sport as Life

On being inducted into Willamette's Athletic Hall of Fame, Margaret Elizabeth Ashley (MEA) Frantz-Neal '94 testified to the value of athletics in education and in life:

I believe that Sparks Center and McCulloch Stadium are the greatest teaching facilities on this campus. What I learned on their grounds prepared me for the real world more than any class I attended.

Athletics taught me to know my responsibility, to accept it, and to be accountable without excuses when I didn't achieve it. That hard work is hard, but it often leads to success. They taught me that physical exercise reduces stress, and being healthy requires mental and physical effort. They taught me to prepare for every possibility while remaining relaxed and flexible to change. They taught me never to cut corners. That when you cheat, you are only cheating yourself.

They taught me that when you are a member of a group, you are accountable for and to everyone in that group, as well as how that group is perceived by others. That a lot should be learned from a failure and changes made so it doesn't happen a second time. That sometimes people just have a bad day. Regardless, they still need continued support and trust.

They taught me that everyone has a gift. It may manifest itself differently than yours, but that doesn't mean it is less valuable. That we should encourage and debate those differences, but with love and care. They taught me if you believe in yourself and what you're doing, others will do the same, and respect will follow. That believing is the key to faith, and with faith all things are possible.

I thank my parents for their support and encouragement. I thank my coaches for their guidance and patience. I thank my teammates for their blood, sweat and enduring friendship. I thank my husband for his continued support in my athletic pursuits. And I will be forever grateful to Chuck Bowles for recruiting me.

So to Willamette University: I thank you, I miss you, and I will never forget you. I am truly honored. Go, Bearcats!



2005 Young Alumni Leadership Award

In profiling the 2005 Alumni Award winners in the winter issue of The Scene, we inadvertently omitted one recipient.

Jennifer Miller '97, MBA/JD '01 is a rare Willamette degree holder, having triple majored in English, Spanish and rhetoric, then going on to earn both an MBA and JD from WU.

She has pursued a career in law as a prosecuting attorney with the King County Prosecutors Office in Seattle, and she's already being recognized for her work. She was recently elected to a three-year term to the board of trustees for the King County Bar Association's Young Lawyers Division. She is also serving a two-year term on the Washington State Bar's subcommittee on media relations. Miller volunteers regularly at the Progressive Animal Welfare Society and the Seattle Spanish Legal Clinic. She serves as treasurer of the King County Prosecutors Association.

In addition to these many activities, Miller stays active with Willamette alumni activities, attending many events in Seattle as well as on campus. She serves on the Puget Sound Alumni Board, has helped with young alumni events, and attended the Leadership Willamette workshop last summer.



Pictured left to right: Dave Fleming '81, Ron Jensen '70, Margaret Elizabeth Ashley Frantz-Neal '94, Russ Beaton '60, Dan Hawkins



Hall of Fame Weekend: A Celebration of Champions

A silence fell over McCulloch Stadium as nearly 50 former Willamette cross country and track athletes began their slow trot around the track in honor of Charles E. "Chuck" Bowles.

Bowles passed away Dec. 30, 2005, but his spirit could be felt throughout the weekend, from the Willamette Opener Track and Field Meet to the Hall of Fame induction ceremony. On Sunday, March 5, more than 900 attended a memorial service at Cone Field House for the beloved and legendary coach.

The weekend was a celebration of champions—Bearcats past and present and the man who showed so many what it truly means to be a winner.

Five new members were inducted into Willamette's Athletic Hall of Fame in recognition of their outstanding contributions to the heritage and tradition of the Bearcats athletics program.



Russ Beaton '60 coached tennis at WU from 1982-98, winning the NAIA District II title nine straight years. His teams or individual players qualified for the NAIA post-season tournament 13 of his 17 years. Beaton himself was a standout on the WU golf team, earning All-Conference honors three of his four seasons, contributing to four consecutive conference championships for the Bearcats.



Dave Fleming '81 was a five-time Northwest Conference individual champion, twice earned NAIA All-America honors in cross country and track, and still holds several Willamette records. WU's cross country teams won the Northwest Conference championship all four years Fleming competed, and he was a member of the 1979 cross country team inducted into the Hall of Fame in 2001.



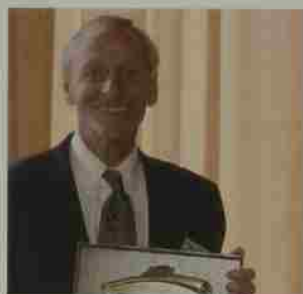
Margaret Elizabeth Ashley (MEA) Frantz-Neal '94 was a three-sport standout for the Bearcats. The 1992 NAIA javelin champion, she also earned NAIA All-America honors in track in 1991, 1992 and 1994. Frantz-Neal continues to hold several Willamette records in track, volleyball and basketball, and she served as team captain in all three. See MEA's banquet remarks on the next page.



Dan Hawkins, Bearcats football coach from 1993-97, posted an overall record of 40-12-1. He led Willamette to three Northwest Conference titles, to the NAIA quarterfinals in 1996 and to the NAIA Championship game in 1997. Hawkins was named Northwest Conference Coach of the Year three times. He moved on to coach at Boise State from 1997-2006, and a 53-10 record in his five years as head coach made him the most successful coach in Division I-A football at that time. He has since been named head coach at the University of Colorado.



Ron Jensen '70 was a two-time All-American in the decathlon and captured the Northwest Conference shot put title in 1968 and 1970. Still a record-holder at Willamette, he was a member of the 1968 Bearcat football team that went to the NAIA semifinals and was inducted into the Hall of Fame in 1993. Jensen went on to coach track at Chemeketa Community College, Colorado State University, Idaho State University, and overseas in China and Australia before founding the Salem Track Club for local youth.



Roger O. Weed '66 is a professor and coordinator of graduate rehabilitation counselor training at Georgia State University. He received two lifetime achievement awards in 2005, one from the International Association of Rehabilitation Professionals, the other from International Life Care Planning.

William F. Willingham '66 is a public historian who lives in Portland. He taught at Lewis & Clark College before becoming a historian with the Portland District and the North Pacific Division of the U.S. Army Corps of Engineers. He is the author of *The Classic Houses of Portland, Oregon, 1850-1950*. His newest book, *Starting Over* (Oregon Historical Society Press), focuses on Long Creek Valley in Eastern Oregon and the last phase of the settling of the American frontier.

Bart "Moose" White '67 is a professor of broadcasting at Western Kentucky University. He received the 2005 President's Spirit of Western Award for exemplary leadership and achievement. He recently presented research papers at two international academic conferences, and he is a frequent keynote speaker at broadcast conferences nationwide. He and his wife, Carol, have been married for 34 years and live in Bowling Green, Ky.

Susan (Corcoran) Hayes '68 retired last April and is looking forward to spending more time on her real passion in life, genealogy. She spent 25 years as a corporate banker with Citigroup and Bank of America before a second career with the Office of Development and Alumni Relations at the University of Washington for more than four years. She lives in Seattle with her husband, Jonathan, and two cats.

1970s

CLASS OF 1971 AND 1976 REUNION

Jane (Buelterman) Ganahl '74 of Half Moon Bay, Calif., edited an anthology of women writers titled *Single Woman of a Certain Age*, published in October 2005. The book generated interviews on "The Today Show," in *USA Today*, the *Orange County Register* and the *Cleveland Plain Dealer* before it was even published. Jane has signed with Viking to write a memoir of her recent years writing a singles column for the *San Francisco Chronicle*.

Patrick Pine '74, MBA'76 received an award for statewide leadership in supporting tobacco prevention efforts at the annual awards dinner of the Oregon Tobacco and Education Program operated under the aegis of the Oregon Department of Human Services. Patrick is corporate benefits manager for ESCO Corporation and served on the advisory committee for the "Make It Your Business" program of the Tobacco Free Coalition of Oregon. The program encourages employers who are health benefit plan sponsors to include benefits to help employees quit smoking. Patrick is a former smoker who quit more than 13 years ago and has since been an advocate for helping smokers succeed in quitting.

Mark Bierly '76, JD'79 won the Yamhill County Bar Association's Bob Payne Award, named for the late McMinnville lawyer and civic leader and awarded to the practitioner best exemplifying Payne's enduring commitment to public service. He has served on the boards of Lutheran Community Services, Yamhill County United Way, and the Yamhill County Pregnancy Counseling and Information Center. He has accepted referrals from Legal Aid, volunteered as a judge for mock trial competitions and provided legal counsel to various local non-profits.

Kelly Ross '78 has been named president and CEO of Western Advocates, Inc., one of Oregon's largest and oldest lobbying firms, with offices in Salem and Portland. Kelly previously served as chief lobbyist for the Portland Home Builders Association.

Daniel Schmidt '78 recently received a \$25,000 grant from the Adolph and Esther Gottlieb Foundation "for 20 years of work as a mature artist." Daniel lives in New York City.

Kim (Young) Charlson '79 has been reappointed for a three-year term on the state Advisory Council on Libraries by the Massachusetts Board of Library Commissioners. She is the current director of the Braille and Talking Book Library at Perkins School for the Blind in Watertown, Mass., and will represent libraries that serve those with disabilities. Kim has a master's degree in library science from the University of North Texas Graduate School of Library and Information Science. She lives in Watertown, Mass.

Ron Jordan '79, founder and chairman of Carter White & Shaw LLC/Diverse Attorney Recruiters of Chestertown, Md., has placed the largest contingent of diverse attorneys in the history of the legal placement industry to date. While at Willamette, Ron was a member of the Oregon Gamma chapter of Phi Delta Theta. He and his wife, Margaret, live on their farm on the eastern shores of Maryland, in Chestertown.

1980s

CLASS OF 1981 AND 1986 REUNION

Susan Hammond '80 writes that she had a wonderful time at the Willamette Class of 1980 Reunion Weekend. "There was a lifetime of memories for me," she says, and she sends greetings to classmates who were unable to attend.

Laurie Timmerman '80 is deputy program manager for the South East Consortium for International Development and administers four agriculture programs in the Democratic Republic of the Congo, including a large seed multiplication project. She also served as country director for a USDA food aid and farmer grant program in Guinea Bissau for 15 months and as a short-term consultant in South Africa and the Republic of the Congo on other food security projects.



Dan Heister '81, MBA'87 received the USEPA 2005 On-Scene Coordinator Excellence in Community Involvement Award. Dan was the OSC at the North Ridge Estates asbestos removal project, and he was involved in New Orleans for three weeks last November working for USEPA as the deputy incident commander in response to Hurricane Katrina.



Donald L. Kraemer '81, MBA/JD'87 was named technical advisor to the Oregon Innovation Council, which provides advice

and oversight on business innovation to strengthen the state's competitiveness in global markets. He also serves as board secretary and founding director of Oregon Nanoscience and Microtechnologies Institute.

Kerry Tymchuk '81, JD'84 has been elected a trustee and secretary of the Oregon Independent College Foundation, a nonprofit fund-raising and programmatic consortium of Oregon's 10 leading private colleges and universities. Kerry is state director for the office of U.S. Senator Gordon H. Smith.

Diane Olson Herriott '82 lives in Silverdale, Wash. Her husband retired from the U.S. Navy and they hope to make Silverdale their permanent home. Her son, Cascade, is in high school and has inherited her running talents (Diane was a daily runner while at Willamette). She works at a local oncology clinic as a laboratory manager. She took up fencing six years ago and trains at a club in Seattle, where she competes locally and nationally. She has won six national medals and is ranked second in the country for women foilists over 40.

class notes

CLA Class Notes

1930s

CLASS OF 1931 AND 1936 REUNION

Ely M. Swisher '37 of Doylestown, Pa., is 90 years old. Ely and his wife, Marguerite, celebrated their 65th wedding anniversary in 2005. He has enjoyed a career as an entomologist, first with the USDA in Montana and then for 38 years with Rohm & Haas Chemical Company in Philadelphia. He was a consultant with the National Association of Wheat Growers. He has volunteered with groups including the Philadelphia Zoo, the Township Planning Commission and his church, and he has traveled to 62 countries for both business and vacation. Ely writes that he had a great experience at Willamette and his years on campus and as a member of Sigma Tau were delightful.

1940s

CLASS OF 1941 AND 1946 REUNION

Don Ian Smith '40 is a retired United Methodist minister living in Salmon, Idaho, with his wife, **Elizabeth "Betty" (Moser) '41**. Don is a freelance writer, and his most recent book, *Murder on the Middle Fork*, is a historical novel published last year. The biography of his mother, *Symon's Daughter*, was awarded best biography of 2002 by the Sacramento Publishers and Authors. He has published five other books, all still in print.

Stanley "Das" Buch '45 of Lancaster, Pa., missed his class reunion last year to go on a fishing trip to Ontario, but he wants to pass along his good wishes to members of V-12 and the classes of 1944 through 1948.

Jean (Fries) Moore '45 received a lifetime achievement award from Elders in Action, a non-profit organization working since 1998 to improve the circumstances of seniors in Portland. Jean became a court-appointed special advocate for children under the protection of the juvenile court in November 2003.

Her other volunteer work includes the Clackamas Women's Shelter, the Portland Women's Crisis Line, the Clackamas County district attorney's office and Quota International. Jean established a scholarship for Willamette undergrads in memory of her friend **Dix Moser '44**. After graduation, she worked for **Hale Tabor '42** at a weekly newspaper in McMinnville before working at Lewis & Clark College and then moving to Washington, D.C., to work for the federal government. She has three sons and six grandchildren, and she and her husband, James Searfus, live in Lake Oswego.

1950s

CLASS OF 1951 AND 1956 REUNION

Richard Endsley '51 and his wife, Pat, were featured in a May 2005 issue of *Maui News* about the volunteer tutor project they started in 2002 with 24 tutors assisting 62 children at Lahina (Hawaii) Intermediate School. Today there are 75 tutors working with 200 children in all four public

schools in West Maui, providing help in reading, spelling, social studies and math. Most of the tutors are retired educators, like the Endsleys.

Hal H. Hargreaves '55 is composing and editing his book, *A Nameless God*, serving as coordinator for Bonner Hospice Chaplains, and has a practice in family and individual therapy in Sandpoint, Idaho. His wife, Ruth, is a full-time artist with work showing at the Pearl Gallery in Dallas, Ore. Hal thanks all those who planned and executed such a fine reunion, and says he was "happy to rub elbows for a little while on a fine fall evening."

1960s

CLASS OF 1961 AND 1966 REUNION

John Livie '61 and his wife, Carol, celebrated their 50th anniversary July 23, 2005, at the Scottish Rite Temple. Their children and spouses hosted the event. John and Carol were both born and raised in Juneau, Alaska; they now live in Salem.

Pamela (Trenholm) Winters '61 lives in Roseburg, Ore., and is semi-retired. Her husband passed away in 2000. In July 2004 she moved to town after living 32 years in the country, and moved her parents in with her. Her mother is now in a nursing facility.

Dean Mason '63 of Hermiston, Ore., has been retired for 10 years after teaching music in Oregon for 32 years. He now substitutes in the Hermiston area. He still plays first trombone in the Inland Northwest Orchestra and sings in the choir. He traveled to New York City with 80 Willamette graduates to sing at Carnegie Hall.

Michael J. Kelly '64, of Mill Valley, Calif., has published another collectibles book, this one on McDonald's drinkware. The book came out in July 2005 and is available in the antiques/collectibles section of most bookstores. Michael passes along his best wishes to his old Sigma Alpha Epsilon buddies.

Calendar Triggers Time-Capsule Memories

When I read about the violin uncovered in Waller Hall [on the January page of the 2006 WU calendar], I thought about some long-gone student leaving it there, intending to leave a bit of a personal mark on what was, even then, a venerable institution, at least by Oregon standards. Sounded like something I'd have done. It also seemed a little sad, that it was uncovered too late for that student, in old age, to step forward and tell his/her own story as well as that of the violin.

Then I realized that, in fact, I had done the same thing, at least indirectly. When the Sparks Center was under construction, a year or two after we graduated, classmate Chuck Petzel '72 and I were sitting around his place talking about all the construction debris that would no doubt be buried under the floor of the new field house, to be unearthed at some distant date when the place was demolished. That line of thought led to the decision that we should bury a time capsule below grade in the field house, where it would be encased under the concrete slab. The north side seemed better, as it might get a little less damaging solar radiation.

Chuck worked in the University maintenance department. He got hold of an elbow of 4-inch diameter PVC pipe, inserted various oddments, capped the ends and sealed them with some sort of goop, then buried it inside the building. As far as I know, that little time capsule rests now under the floor, I think near the northeast corner of the field house. Maybe 100 years from now, somebody will find that thing and know it was a way for two under-employed recent grads to leave a little sign of their own passing. A silent way to insert ourselves into the flow of Willamette's history. Makes me wonder what others may have stashed around the place, still waiting to be discovered.

— Robert Foster '72, MM '76
Port Hueneme, Calif.



Brooke Blanchard '93 will have a recurring role as paramedic Jill Hale on ABC's primetime show "Grey's Anatomy." Brooke previously worked for three years in a principle role on "As the World Turns." She has been in several off-Broadway roles, worked on "Say Uncle," and has been featured in "The Lamb," "The Wager" and "My Cousin's Wedding."



Brian Buckley '93 and **Leslie Roberts '97** were married Sept. 3, 2005. The wedding party included **Amy Bernardi '97**, **Shannon Knepper '98**, **Joanna Moogk '98**, **Catherine (Haber) Buckley '98** and **Brendan Buckley '98**. The couple live in Seattle.

Blythe (Gardner) Butler '93 and **Jeff Butler '93** relocated from Portland to the Nurnberg, Germany, area. Jeff is working at Adidas International as project manager. Blythe is learning German while completing her master of arts in nonfiction writing.

Tracy (McAtee) Cauble '93 and **Chris Cauble '93** live in Grants Pass, Ore., with their children Madeline and Gregory. Chris is a partner with Cauble, Dole and Sorenson focusing on civil litigation and estate planning. Tracy has been a social service specialist with the Children's Services Division of the Oregon Department of Human Services for eight years. Chris and Tracy love to travel with their kids. They just completed a cruise of the western Caribbean and will tour the eastern Caribbean with their children next year.

Erik Christian Loomis '93 and **Stacey Weber** were married Sept. 5, 2004, in Santa Barbara, Calif., with Judge **Thomas R. Adams '62** officiating. The couple live in New York City, where Erik is working on his LL.M. degree in taxation at NYU.



To **Kathryn (Columbo) Pugh '93** and husband **John** of Myrtle Creek, Ore., a daughter, **Gianna Marie**, born Oct. 30, 2005.



To **Jennifer Sah-Loeng '93** and husband **Sam Loeng** of Portland, a daughter, **Elizabeth Joy**, born Dec. 29, 2004.

Randall Schmitz '93, MBA/JD '97 has joined the Boise office of Perkins Cole LLP as an associate in its national litigation practice. He previously was an associate with Anderson Julian and Hull LLP and served as a real estate attorney for Albertsons, Inc.



Christopher Simmons '93 joined Duke University earlier this year as associate vice president for federal relations. He will serve as Duke's

principal point person on regulatory and legislative issues involving the federal government and the administration. He earned his master of education from Harvard. Chris previously served as assistant director of admission at Willamette, as senior federal relations officer for the Association of American Universities, and as associate director for government relations at the American Council on Education.

To **Marcella (Slaughter) Meier '94, MAT '97** and husband **Don** of Beaverton, a son, **Hayden Thomas**, born Aug. 19, 2005.

Joe Morgan '94 had to cancel his around-the-world bicycle trip due to injuries from an accident. He and his wife will now do the trip on a motor scooter. Joe asks friends and alumni living outside the U.S., Korea, England, or Japan to drop him a line and tell him about the true travel problems and interesting sights in their country. He welcomes visitors to his home in Korea. Email him at hindu1934@gmail.com.

To **Amy Stewart-Deaker '94** and husband **James** of Berkeley, Calif., a son, **Tobin James**, born Nov. 12, 2005.



Kathleen Burk '95 and **Gregg Wendland** were married Sept. 17, 2005, at Silver Falls Vineyards in Salem. Maid of Honor was **Jeanette Schadler '95**. The couple live in Eugene.



To **Brandon Hundley '95, MAT '97** and **Olga (Supardan) Hundley '96** of Forest Grove, Ore., a daughter, **Kiera Sundari**, born April 15, 2005.

To **D. Mark Jackson '95** and wife **Rebecca Borowski** of Mill Valley, Calif., a son, **Soren Philip**, born Sept. 13, 2005. Mark continues to work as a civil litigation attorney in San Francisco.

Daniel Metz '95, a U.S. Navy lieutenant, graduated from submarine officer warfare school in Groton, Conn., on May 6, 2005. He is assigned to the attack submarine USS *Jimmy Carter*, based in New London, Conn.



To **David '95** and **Priscilla (Doupe) Palanuk '95** of Kennewick, Wash., a daughter, **Katelyn Doupe**, born July 31, 2005. Maternal grandmother is **Karen Boone '71**.



To **Rachel (Champagne) Smith '95** and husband **Barney** of Bellingham, Wash., a son, **Lucas James**, born Oct. 7, 2004. He joins big brother **Andrew**.

Jennifer Steele '95 is co-owner of an acupuncture clinic and celebrated its one-year anniversary Sept. 1, 2005. Mississippi Health Center is located in north Portland in the historic Mississippi Avenue area and online at www.mississippihealthcenter.com.

To **Thomas Woo '95** and wife **Deborah** of Tokyo, Japan, a son, **Christian**, born Jan. 17, 2006. He joins big sisters **Mia** and **Nazomi**. Tom works for a consumer products company as general manager of marketing and operations.

To **Heather Beebe Stevens '96** and husband **Christopher Stevens** of North Ridgeville, Ohio, a daughter, **Isabelle Virginia**, born Oct. 14, 2005. Maternal grandfather is **G. "Dave" Beebe MAT '00**.

class notes



Bruce Burnett '84, after a five-year stint as project manager for EarthLink's electronic support department, celebrated the second anniversary of 40 Winks, his mattress and furniture showroom in Covina, Calif. Bruce is involved in graphic design, specializing in web graphics. Bruce recently sang at the House of Blues in Las Vegas.

Audrey J. Broyles '85, JD'88 of Salem, Ore., has been named a judge in Linn County, Ore. In her new role, she will preside over the state's first domestic violence court, which will operate on a two-year grant from the U.S. Department of Justice. Audrey previously worked for the Marion County district attorney's office in Salem and the Thurston County district attorney's office in Olympia, Wash.

Brooks Houser '85, MBA'87, JD'89 won the 108th Anniversary Waverly Blyth Golf Tournament last fall. The Blyth is the oldest amateur golf tournament west of the Mississippi and the first international tournament held in the U.S.

To Michael Ahten '86 and wife Dina of Eugene, Ore., twin boys, Spencer and Tyler, born June 9, 2004.

To Kristine (Edmunds) Brunings '86 and husband Frank of Salinas, Calif., a son, Bodhi Nicholas, born Dec. 14, 2005.

Leigh A. Hudson '87, JD'01 has opened her own law office in Portland focusing on bankruptcy and representing injured workers in workers' compensation cases. She was previously an associate at Sather Byerly & Hollaway LLP, where she represented employers and insurers in workers' compensation matters.

Patrick Carman '88, critically acclaimed best-selling author of the Land of Ebron series, has a new fantasy series, *The Atherton Sequence*. The first book, tentatively titled *The House of Power*, will be published in 2007 by Little, Brown Books for Young Readers.

To Scott Harms '88, MAT'89 and **Katie (Larkin) Harms '94** of Carib, a son, Luke Michael, born Nov. 2, 2005.

To Echo (Sorensen) Gordon '89 and husband Lance of Riddle, Ore., a daughter, Annalisse Echo, born Jan. 6, 2005.

Kevin '89, MAT'90 and **Karen (Erskine) Zerzan '90, MAT'91** have both received National Board Certification as teachers, a credential achieved by only 190 teachers in Oregon to date. The Zerzans live and teach in Gladstone, Ore.

1990s

CLASS OF 1991 AND 1996 REUNION



To Cathryn (Burles) Ammirati '90 and husband Joseph of Bolse, a daughter, Juniper Brooke, born Sept. 22, 2005. She joins big brother Luke.

To David Bauer '90 and wife Julie of Alexandria, Va., a son, Davis Bennett, born Jan. 24, 2006.



Wade Brooks '90 has liquidated his assets and will be backpacking his way around the globe, starting in Australia and continuing through East Asia. His blog of travel stories and photos is posted at www.travelinggrasshopper.com.

James Osmer '90 is production quality manager with the applied discovery division of Lexis Nexis in Bellevue, Wash. Jim and his wife, Shana, recently celebrated their 11th wedding anniversary. He also released his fifth CD as the one-man-band "Bert No Ernie."

Marie Watt '90, of Seneca descent, studied at the Institute of American Indian Arts, one of the venues for her traveling exhibition "Blanket Stories: Ladder." Its centerpiece was a group of sculptures, the most imposing of which, *Three Sisters*, consists of looming stacks of folded wool blankets, each rising from a wood dais to the ceiling. Marie earned her MFA from Yale and now lives in Portland. Her work was featured in the January 2006 issue of "Art in America."



To Gregg Leiss '91, MM'92 and **Tina Leiss JD'92**, a daughter, Samantha Lee, born Sept. 22, 2005. She joins big sister Shannon.



Did you miss the opportunity to buy your senior yearbook?

In a recent round of spring cleaning, the Wallulah staff turned up extra copies for the following years. Contact Rebecca Brant, Wallulah advisor, rbrant@willamette.edu, if you'd like to purchase a copy for \$12.

1989
1990 • 1991 • 1994 • 1998
2000 • 2001 • 2003 • 2005

To Richelle (Tustin) Luther '91 and husband Douglas of Portland, a daughter, Sophia Alice, born April 6, 2005. She joins big sister Lauren.

Ashley Boyd '92 and John Warren were married July 3, 2005, under the redwoods in Ben Lomond, Calif. Ashley earned a master's degree in political communication from the University of Maryland, College Park, and now leads civic engagement projects throughout the U.S., Europe and Asia. John is a theater director and playwright specializing in documentary plays about political and social justice issues. They live in Berkeley, Calif.

To Dirk Hmura '92 and wife Leslie of Portland, twins, Benjamin Thomas and Jane Margaret, born March 2, 2005.

Melinda Hoffman '92, MAT'93 and Stuart Holland were married Aug. 14, 2004. They live in Beaverton.



To Scot Phillips '92 and wife Kristi of Woodland Hills, Calif., twins, son Grant Michael and daughter Avery Lorraine, born Aug. 30, 2005.



To Elissaventa (Ivanova) Bahouska '93 and husband Petko of Palo Alto, Calif., a daughter, Ekaterina ("Katy"), born Dec. 20, 2005. She joins big brother Savo.

To Jenna (Schuster) Bass '93 and John Bass '93 of Portland, a daughter, Olivia Mae, born Feb. 14, 2005. She joins big sister Claire.



To Ryan York '97, JD'01 and Heidi (Moldenhauer) York JD'01 of Seattle, a son, Alexander James, born Nov. 27, 2005.



To Michael Bullert '98 and wife Bekki of Fairfield, Calif., a son, Zachary Michael, born Jan. 26, 2006. He joins big sisters Kaylin, Emily and Megan.

Jason Cammarano '98 of Olympia, Wash., will be in Ukraine for the next two years as a Peace Corps volunteer, working as an NGO facilitator in a community economic program. Jason will incorporate his work in a master's international degree project through the Evans School of Public Affairs at the University of Washington. He departed for Ukraine on Feb. 27, his 30th birthday.

John Patterson Cashill '98 and Charlotte Roberts were married Sept. 4, 2005, in Kirkland, Wash. Katherine Emily Cashill '02 was a bridesmaid, and Andrew James Connellan '98, Ben Kyle Jackson '98 and Martin Thomas Evans '93 were groomsmen. The couple live in Seattle. John earned his MBA from the University of Washington and works at PricewaterhouseCoopers.

Billy Dalto '98 completed his second term in the Oregon House of Representatives, where he serves as assistant majority leader and chair of the House Health and Human Services Committee. Billy is also an active member of the American Council of Young Political Leaders and recently hosted a delegation from Morocco and participated in political study tours of China and South Korea. He spent last December vacationing in Turkey and Central Europe.



Greg Gonzales '98 and Virginia Cook were married July 16, 2005, at Queen of Peace Church in Salem, Ore. Best man was Chris Zahniser '99, and Andy Halter '99 was groomsmen. The couple met in the sophomore year of high school in Burbank, Calif., and were friends for eight years before deciding to date. The couple honeymooned for two weeks in London and Paris. They live in Salem and both work at Willamette.



To Danica (Byrd) Hughes '98 and Mark Hughes '98 of Morristown, N.J., a son, Benjamin Landon, born July 29, 2005. Mark works in investment management, and Danica works in pharmaceutical clinical research.

To Allison Kato-Dilks '98 and husband Brian Dilks of Salem, a son, Jeffrey Hideo, born Dec. 12, 2005.

Amy Krewedl '98 and Hauke Gentzkow '98 were married Oct. 1, 2005, in Lake Tahoe. Martin Thomas Evans '93 served as groomsmen, and there were many WU alumni in attendance. The groom's parents are Christine Gentzkow, associate professor of German at Willamette, and William Gentzkow MED'76. The couple live in Seattle.

Mark Andrew Ohlsen '98 and Brandi Hagemann were married June 5, 2005, at Basty University Chapel in Kenmore, Wash. Groomsmen was Thomas J. Bentley '99. The couple honeymooned in Jamaica. They both work as fitness directors and live in Bellevue, Wash.



To Rebecca (Samson) Santin '98 and husband John of Eugene, a son, Elias David, born March 28, 2005.



Nels Swinson '98, MM'99 and Kerry Boyer were married Sept. 3, 2005, at the Oregon Golf Club in West Linn, Ore. Nels manages a silicon supply chain team at Intel. Previously he worked as a program manager involved in development of the wireless network card used in the Centrino Platform.

To Jimmy Bogroff '99 and wife Whitney of Hillsboro, Ore., a daughter, Ava Rachela, born Dec. 6, 2005. She joins big brother Haydn. Jimmy is a wholesale account executive for Decision One.



Elena Bojinova '99 and Ward Miller '98 were married Aug. 7, 2004, in Sofia, Bulgaria. Elena practices law, and Ward splits his time between investment banking and guiding. They also split their residence between Sofia and Leavenworth, Wash.

To Monique (Allen) Kellerman '99 and husband Jay of Hillsboro, Ore., a daughter, Victoria Grace, born Sept. 5, 2005.

Ryan Calkins '99 and Lindsay Dell were married June 25, 2005, in Orcas Island, Wash. The couple live in Seattle.

Cindy Dimock '99 and Ben Flint '01 were married June 18, 2005, in Colton, Ore. Cindy is enrolled in a master's program at the University of

Washington in forest ecology. Ben is enrolled in a master's program in teaching at Evergreen State College. The couple live in Seattle.

To Amy (Paetsch) Heang '99 and husband Voth of Portland, a daughter, Maria Roth, born Oct. 27, 2005.

Maegan Hoeffel '99 and Christian Espinoza were married May 28, 2005, in Lamon, Costa Rica. Maegan spent two years as a Peace Corps volunteer in Costa Rica and returned last year to accept a position as a director of a children's shelter. Stepfather of the bride is Charles Lucas JD'98. The couple live in southern Costa Rica.



Brook Luther '99, MAT'01 and Geoff Gore '99 were married June 25, 2005, at the Tualatin Country Club. The couple live in Wilsonville, Ore. Brook teaches fifth grade in Sherwood, and Geoff works for an engineering firm in Tigard.

Matthew Scot Richardson '99 and Michelle Burns were married Aug. 20, 2005, in Grants Pass, Ore., where they now live. The best man was Tighe Curtis Richardson '99.

Tighe Curtis Richardson '99 and Lindsay Sharp were married May 16, 2005, at the Luxor Hotel in Las Vegas. The best man was Matthew Scot Richardson '99. The couple live in Novi, Mich.

2000s

Kara Dixon '00 and Don Houser were married June 10, 2005, and now live in Spokane. Kara graduated in 2005 from Eastern Washington University (EWU) with an MFA in creative writing. Don is studying accounting at EWU.

class notes



To Heather (Schultz) Clarke '96 and husband John of Hertfordshire, England, a son, Liam Thomas, born Aug. 11, 2005. Heather is a web developer for a London-based accounting firm.



To Kelly (Sievert) Elliott '96 and husband Jonah of West Linn, Ore., a son, Tyson Scott, born Aug. 1, 2005.

To Sarah (Brown) Kopplin '96 and husband Neil of Beaverton, a son, Alexander Clinton, born Nov. 21, 2004.

William "Travis" Rice '96 is working on his master of social work degree at the University of Nevada, Reno, where he works as an instructor. He is also an intern at Progressive Leadership Alliance of Nevada. He plays music professionally with the Hawaiian band "Kaneke" and is currently touring the West Coast, New Orleans and Hawaii playing festivals and other venues.

Elizabeth Simson '96 has just published her first book of poetry, *Sea Change*. Her poems have appeared in *Atlanta Review*, *Kalliope*, *Gertude*, and other journals and anthologies. She is giving poetry readings in Oregon, Washington and California; see www.poemfish.com for more information. Elizabeth lives on Mt. Hood in Welches, Ore.



To Suzanne (Berry) Sniffen '96 and husband Chris of Baltimore, a daughter, Samantha ("Sam") Grace, born Nov. 15, 2005. She joins big sister Autumn, 2.

To Jennifer (Gustafson) Storey '96 and Christopher Storey '96 of Oregon City, a son, Grant Elijah, born July 7, 2005. He joins big sister Rachael and big brother Matthew.



To Nan (Sorensen) Wilson '96 and Warren Wilson JD '98 of Coeur D'Alene, Idaho, a daughter, Grace Catherine, born May 20, 2005. She joins big sister Emma.

Abraham Cohen '97 and Jenny Joseph '97 were married Sept. 5, 2004, in eastern Oregon. Maid of Honor was Sarah (Eggleston) Prell '97, and nearly 20 other alumni attended.

To Cindy (Rosenburg) Copeland '97 and husband Michael of Boulder, Colo., a son, Terran Skyles, born Sept. 24, 2005. Cindy completed her MS in environmental studies at the University of Colorado in 2004 and is now doing environmental consulting from home.



Keri Trask Lazarus '97, MBA/JD/C'01 and Jon Lazarus MM '98 recently purchased their first home. In August 2005, Jon passed his Project Management Professional exam. He has worked for the Oregon Department of Transportation for three years, reporting to fellow WU graduate Galen McGill MBA '93. Keri runs her own law firm focusing on personal injury cases in the Portland and Salem areas.

To Koren "Kori" (Ettel) Harrison '97 and husband James of Kennewick, Wash., a daughter, Kaya Anisi, born Oct. 25, 2004. She joins big brother James.



To Elizabeth (Byrne) Hering '97 and Kirk Hering '98 of Ypsilanti, Mich., a daughter, Teagan Marie, born July 15, 2005. Kirk is a post-doctoral research fellow at the University of Michigan in organic chemistry. Elizabeth is the director of bands and orchestra and music department chair at the fifth largest high school in the state.

Tiffany Ellis '97 and Joseph Campbell were married Dec. 20, 2004. They live in Boston.

Keri Trask Lazarus '97, MBA/JD/C'01 and Jon Lazarus MM '98 recently purchased their first home. In August 2005, Jon passed his Project Management Professional exam. He has worked for the Oregon Department of Transportation for three years, reporting to fellow WU graduate Galen McGill MBA '93. Keri runs her own law firm focusing on personal injury cases in the Portland and Salem areas.



Helen Littrell '97 of Silverthorne, Colo., works for the Keystone Center, a nonprofit organization that focuses on facilitating stakeholder engagement in complex, controversial public policy issues.



Traci Shepard '97 and Johnny Siripathane were married Oct. 8, 2005, in Salt Lake City. The wedding party included Jamie (Cripe) Young '98, Heather (Bullock) Langlois '97, Emily (Vracin) Kosderka '96 and Carolyn (Leary) Bobb '95. The couple live in West Jordan, Utah.

Amy Erikson Varga '97 recently accepted a new position as the annual fund manager at Clackamas Community College in Oregon City. She and her husband, Jason Varga, recently purchased their first home in West Linn, Ore.

Cupola Recollections

After seeing my name scrawled in Sharpie marker on the wall of the cupola in the fall issue of the Scene, I felt compelled to share my story. Most people I know used daring and dangerous methods to carry on the tradition of signing the cupola of Waller Hall. I, on the other hand, walked into the president's office on the fifth floor of Waller, accompanied by my entire west-side RA staff, and asked to take our picture in the cupola. Former President Jerry "Jer-Bear" Hudson not only posed with us in the cupola, but he also handed us a marker to sign the wall. I have the photograph of my RA staff with President Hudson hanging on a wall at home. Good times.



1) Kjeil Molme '99 and Angella Graves '97, MAT '98, adding their names to those of past generations.

2) President Hudson joins the west-side RA staff for a prime photo op. Kjeil Molme '99, Brian Duty '99, Lori (Yoneda) Mizum '99, Angella Graves '97, MAT '98, Karen Hendrick '99, President Jerry Hudson, Resident Director Dianna Winegarden, Casey Eisele '99, Anna (Spalding) Osland '99, Emily (Middaugh) Wakild '99 and Lynnette (Snell) Catron '97.

class notes



John Waller '98 of Portland, Ore., started his own business, Chicago the Soul Productions, about a year ago. He is producing promotional and documentary video and photography projects. He also films and produces wedding videos. He is currently working on a documentary, "The Cascade Trifecta," detailing the effort of two endurance athletes to climb Mt. Rainier, Mt. Adams, and Mt. Hood in less than 24 hours. He is also organizing an amateur photography contest benefiting the MESD Outdoor School program.

John won a photography contest sponsored by Canon and Outside Magazine with this photograph of fellow Willamette graduate, **Zach Meyers '00**. John writes, "My friend Zach and I were at Cannon Beach, tossing around the frisbee when a spectacular sunset started going off. Seizing the opportunity to snap off some photos, I started sending the frisbee directly toward the surf. I would toss out the frisbee, grab my camera, and literally shoot from the hip as he would leap up to grab it. For this shot to happen, you have to realize that everything worked perfectly—the frisbee throw, his jump, his position against the sun, and my luck with snapping the photo at exactly the right moment. I use this photo as my business 'image' because it captures the type of dramatic feeling and exhilaration I attempt to create in my work."

To **Shannon (Gordon) Forrester '00** and husband **Anthony** of Portland, a son, **Samuel Dean**, born Aug. 19, 2005.

To **Mayland (Chan) Heym '00** and **Jason Heym MBA/JD '02** of Portland, a son, **Tobey**, born Oct. 17, 2004. He joins big sister **Lily**.

Alexa Leinawever '00 earned her master of science in library science last May from the University of North Carolina, Chapel Hill. She was recently hired as librarian at the Anne Arundel County Public Library in Laurel, Md.

Jeremy Markiewicz '00 passed the July 2005 Oregon Bar and has accepted a position in the Jackson County district attorney's office. Jeremy and his wife have moved to Medford.



Aaron Arthur Parker '00, MAT '02 and **Claire Wescott** were married Nov. 19, 2005, at the Holy Rosary Catholic Church in Melbourne, Australia. They have been living in Australia for three years. Aaron is a primary school teacher, and Claire is a marketing consultant.



Aaron Cavin '01 and **Katie Krieger '02** were married Aug. 5, 2005, in Hillsboro, Ore. **Kelda Martensen '02** was maid of honor, **Kimberly Goodell '02** and **Julia Means '02** were bridesmaids, and nearly 30 other Willamette alumni attended. The couple live in Ann Arbor, Mich.



Leila Clark '01 and **Markus Anton Staffler** were married Jan. 14, 2006, aboard the *Puti On Saipan*. They live in Saipan, Mariana Islands.

Anthony Hager '01 and **Kari Peterson '01** are currently living in Draper, Utah, while Kari completes her pre-doctoral internship. Kari has completed coursework on a PhD in psychology from Seattle Pacific University and is working on her dissertation. Anthony completed a degree in zoology at the University of Washington, where he was recently employed.

Jody Jorgensen '01 and **Vance Newby** were married July 10, 2005, in Anchorage. Jody received a Fulbright Scholarship in 2002-03 and completed studies in feminist politics in Iceland. Vance has completed information technology school, U.S. Navy dive school and two Antarctica tours with the Coast Guard icebreaker *Polar Sea*. They live in Seattle.

To **Andy Miguel '01** and **Elaine Almazan** of Rancho Palos Verdes, Calif., a daughter, **Isa Noalani**, born Sept. 13, 2005.

Kimberly Repp '01 of Tempe, Ariz., received her PhD in microbiology from the Cancer Research Institute at Arizona State University on Dec. 15, 2005.



To **Shannon (Pun) Simmons '01** and husband **Tyrone** of Salem, a son, **Preston James**, born Jan. 22, 2006. He joins big sister **Olivia**. Maternal grandfather is **David Pun '76**.

Malia Struck '01 and **Eric Klein** were married July 16, 2005, in Anchorage. Bridesmaids were **Michaela Struck**, sister of the bride and current Willamette student, and **Elizabeth Childs '02**. **Lou Caputo '01** was a groomsman. The couple met while working as driver guides for *Princess Tours* in 2000. Both enjoy spending time with friends, biking, hiking, traveling and reading. The couple honeymooned in Hawaii and live in Anchorage.

James Richard Townley '01 and **Kathryn Arntson '03** were married July 3, 2004, in San Diego. **Amy Nanney '03** and **Tracey Gramenz '03** were bridesmaids, **Christopher Russell '01** and **Casey Jager '01** were groomsmen, and several other Willamette alumni attended. The couple lives in Dayton, Ohio.



Araya (Parrish) Williams '01 (left), **Lori Snyder '96** and **Amy Kneeland '97** completed their first marathon, the Newport Marathon, June 4, 2005.

Sylvia (Duboise) Gerig '33 died Nov. 22, 2004, in Oregon. She was 95.

Del K. Neiderhiser '33 died March 16, 2005.

Lowell L. Gribble '34 died Dec. 18, 2005, in Heppner, Ore., at age 95. He lettered all four years at Willamette in baseball and football, and went on to play semi-pro ball for the Salem Senators and Albany Oaks. He loved golf and helped start the Willow Creek Country Club in Heppner. He married Dolores L. Mills in Salem in 1934. He was preceded in death by his wife and an infant daughter. Survivors include two sons, six grandchildren and 11 great-grandchildren.

Joseph J.S. Feathers '35 died Sept. 22, 2005, in Washington. He was an Eagle Scout and was once the highest ranked scout in the United States. In 1929 he saved a man and his son from drowning in the Molalla River. He taught secondary school until enlisting in the Navy during World War II. He married his wife, Elizabeth, in 1943. He later finished his master's and doctoral degrees and taught at the college level. He was an advocate of Native American rights and was appointed to the Idaho State Commission on Human Rights. He was preceded in death by his wife and his sister, **Olive Torgeson '33**. Survivors include five sons and a daughter.

Helen M. (Keudell) Jones '36 died Dec. 4, 2005, in Salem, Ore., at age 91. She married **Malcolm L. Jones '36, LLB'38**, in 1936. She worked for many years at home as a studio portrait painter. Survivors include her son, **Malcolm Jones, Jr. '62**; a grandson; a granddaughter and a great-granddaughter.

Melva Belle "Sally" (Savage) Doughton '38 died Nov. 5, 2005. She was born in 1916. She was a member of the Phi Beta Phi sorority. While a senior at Willamette, she met **Wayne N. Doughton '38**, who gave her the nickname "Sally." They married in 1941 and were married for 60 years. They owned and operated Doughton's Hardware Store in Salem until 1991. Wayne preceded her in death in 2001. Survivors include a brother-in-law, **Don Doughton '44**.

Roberta J. (McGilchrist) Mullikin '38 died Jan. 22, 2006, in Albany, Ore. She married **Alvin "Swede" Mullikin** in 1941 in Camas, Wash. Mullikin taught junior high school for several years and was an active mem-

ber of the First United Methodist Church for 40 years. She was preceded in death by her husband and her sister. Survivors include a son, a daughter and two grandchildren.

Elizabeth J. Fitzpatrick '39 died Oct. 11, 2005, at age 90. She served in the Women's Army Corps during World War II. She loved to travel and worked for the federal government in New Mexico, Alaska, Okinawa, Japan, and Missouri, retiring in 1980 to travel throughout Europe, Australia, South America and the U.S. Survivors include a brother, two sisters and many nieces and nephews.

Hefena E. (Schneider) de Sully '40 died Jan. 15, 2006, in Oregon. She was born in 1915 in Portland. She married **Max de Sully LLB'42** in 1942. He preceded her in death; as did their daughter and son, **Max de Sully Jr. '67**. Also preceding her in death were brother **Ralph W. Schneider '40**, sister **Victoria (Schneider) Taggart LLB'37** and brother-in-law **Max S. Taggart LLB'37**. Survivors include a sister-in-law, daughter-in-law **Cathleen D. (Arbaugh) Lehmer '67**, nephew **Max S. Taggart Jr. '63, JD'68** and nine other nieces and nephews.

Oscar L. "Boots" Donaldson Jr. '41 died Jan. 29, 2006, in California. He served in the U.S. Army during World War II. In 1947 he married **Suzanne Eccles Wiley**, who died in 1997. Survivors include two daughters; a sister, four grandchildren, one great-grandchild, nieces **Mary J. (Gordenier) Delts JD'74**, **Susan B. (Gordenier) Wilson MM'77** and brother-in-law **Douglas F. Gordenier '54**.

Merle B. Turner '41 died Nov. 28, 2005. He was born in 1917. He was married to his first wife, **Mae Juzo**, for 18 years and had a son. He was married to his second wife, **Marjorie Shepard Brookshire**, for 44 years, and adopted her son. They enjoyed many sea travels together. Survivors include his second wife, son and stepson.

Glenn A. Olds '42, H'55 died March 11, 2006, in Sherwood, Ore., after a lifetime of public service as minister, professor, college president, ambassador and statesman. He was 85. While at Willamette, Olds helped plant the Star Trees. He received a full scholarship to the University after then-Willamette President **Bruce Baxter** heard his valedictorian address at Estacada High School.

He received a bachelor's degree in divinity from Garrett Theological Seminary and was ordained in the Methodist Church, serving in Harzburg, Junction City, Salem, Astoria and Oak Park, Ill. With a master's from Northwestern and a doctorate in philosophy from Yale, he was appointed professor of philosophy at DePaul University, Garrett, and Northwestern. He taught at eight other institutions including American University and Portland State University, and worked as University of Denver chaplain and director of Cornell United Religious works. At age 37, he was named president of Springfield College in Massachusetts, and in 1965 he became university dean of international studies and world affairs in the State University of New York system. Olds served under four U.S. presidents (Eisenhower, Kennedy, Johnson, and Nixon) as consultant to the Peace Corps; principal architect of VISTA in the War on Poverty; special assistant for policy and manpower development to President Nixon; and U.S. ambassador to the United Nations Economic and Social Council. After serving as president of Kent State University in 1971, Olds undertook the challenge of reopening a liberal arts Methodist college in Anchorage as president of Alaska Pacific University. President and CEO of the Fetzer Foundation and Ted Turner's Better World Society, Olds returned to Alaska to work with Governor **Walter J. Hickel** as commissioner of commerce and economic development and of natural resources. Author and recipient of 10 honorary doctorates in the U.S. and abroad, Olds was widely known as one of America's premier public speakers. He is survived by his wife **Eva**; daughter **Linda**; son **G. Richard Olds '72**; daughter-in-law **Jackie**; and grandsons **Glenn Jr.** and **Trevor**.

Edna Mae "Hoppi" (Hopfer) Bryan '43 died Nov. 22, 2005, in Oregon. After graduation from Willamette, she enlisted in the U.S. Coast Guard SPARS. After her discharge, she worked as a social worker and in juvenile court. She served as post-commander of American Legion Dams King Post #137, was chair of the 43rd National Coast Guard SPAR reunion in 1985 and was active in several other service groups. Survivors include her husband, daughter **Claudette Naylor '68**, two grandchildren including **Erin Hire '95** and a great-grandson.

Dorothy A. (Paddock) Eastlund '43 died Sept. 8, 2005, in Oregon, at age 84. Survivors include two sons.

Margaret "Jean" J. (Longley) Sherman '43 died June 11, 2005, in Thurston, Wash., at age 86. Survivors include her husband, **Keith Sherman '42**; a son, daughter **Carolyn (Sherman) Stastny '66**, a stepson, and brother-in-law **Kenneth Sherman Sr. '41**.

Helen L. (Davis) Simpson '43, JD'60 died Aug. 12, 2005. She was born in 1919. After graduating from Willamette, she received two master's degrees, one from the University of Oregon and another from Gallaudet College in Washington, D.C. In 1942 she married **Herbert Simpson '46** in the Alpha Phi Alpha sorority house on the Willamette campus. He preceded her in death in 1969. She was admitted to the Alaska Bar Association in 1961 and practiced law for 41 years. Survivors include two sons, a sister and a granddaughter.

Wyman "Red" F. Mills '44 died Oct. 30, 2005, in Shoreline, Wash., at age 81. He served in the U.S. Navy during World War II as a quartermaster on a minesweeper that fought at Iwo Jima and Okinawa in the South Pacific. He was proud of his military service and attended several reunions of his Willamette ROTC program. He married **Betty Lou Walls** on March 2, 1946, in Portland. He graduated from Oregon State University in 1949 with a degree in industrial administration. He was preceded in death by his son, **Steven**, in 1987. Survivors include his wife, four sons, a sister, two brothers and five grandchildren.

Vernon L. Bartsch '46 died Dec. 28, 2005, in Salem at age 81. He joined the U.S. Navy in 1942 shortly after Pearl Harbor. He served as a medical corpsman/pharmacist's mate at Corpus Christi, Texas, and as a student at the Navy V-12 unit at Texas Christian University in Fort Worth. He married **Virginia (Barber) '46** in 1947. Throughout his life, he enjoyed church, community and family activities. Survivors include his wife, a son, two daughters, a brother and four grandchildren.

Charles Ronald Thomson '48 died Sept. 18, 2005, at age 81. During World War II, he served in the U.S. Navy in the Pacific; he continued in the Naval reserves until 1959. In 1967 he married **JoAnn Nichols**. He was a teacher at Sherwood High School,

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Garrett Kuramoto '03 received his master's degree in library and information science from Simmons College in Boston in 2004. He has lived in Sunnyvale, Hollywood and Anaheim, Calif., and was hired as a children's librarian at San Francisco Public Library.



Shelly Patton '03 and **Justin Jaimeson Peterson '03** were married July 23, 2005, in Brush Creek Ranch in Saratoga, Wyo. Justin is a construction manager for McCarthy Construction, building the Denver Children's Hospital. Shelly is a corporate banker for First National Bank of Colorado. In the wedding party were **Lauren Fletchall**, current student; **Sarah (Granger) Glos '03**, **JoLee Sturgell '03**, **Matt Benjamin '02**, **MBA '05** and **Travis Hollifield '01**; more than a half dozen other Willamette alumni attended. The couple lives in Denver, Colo.



Jason Rowton '03 of Vancouver, Wash., a.k.a. Jackson Rayne, recently signed a contract to perform in *Spellbound*, a multi-million-dollar magic show that enjoyed an eight-year run in Las Vegas. Jason has been performing a 15-minute set as part of the show at the Araneta Coliseum in Manila headlined by the Majestic.

Heather Schludermann '03 and **Travis Chamberlain** were married July 29, 2005, on a sandstone beach at Windansea Beach in California. Heather is a graduate student in clinical psychology. They live in San Diego.

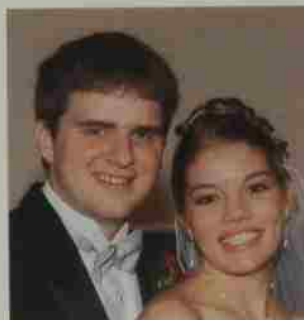
Gwen L. Seemel '03 of Portland, had two shows of her paintings at First Thursday last year. Her topics were government and death. "Public Faces," displayed at the City Club of Portland, consists of portraits of Portland public officials. "Private Masks," displayed at Everett Station's Stirling Gallery, combined portraits of people whose lives routinely intersect death: a paramedic, a funeral director, a forensic pathologist, the lead author of Oregon's Death with Dignity Act. She has lived in San Francisco and France and now lives in Portland.

Jacob M. Sumner '03 spent the 1999-2000 academic year as a visiting student at Willamette, participating in the yearlong study program in Quito, Ecuador. Jacob lives in Chicago with his wife and two sons. He heads the culture and language programs for the central region of Chipotle Mexican Grill, Inc., a Denver-based corporation.

Daniel Esqueda '04 of Salem is a research analyst for the Research and Compensation Services Department of the Cascade Employers Association. He coordinates the pay and benefit surveys employers use to help evaluate their compensation practices. Previously Esqueda worked as a computer support technician for Hollywood Entertainment.



Bryan William Goodwin '04 and **Emily Foster '05** were married Nov. 12, 2005. Best Man was **Steven Miles Goodwin, Jr. '02**. The couple live in Tigard, Ore.



Curtis Michael Bell '05 and **Kelly Scow '05** were married Aug. 13, 2005, at Covenant United Methodist Church in Helena, Mont. Groomsman was **Bracken Robert Killpack '05**. The couple live in Colorado Springs.

Alison Nunemaker '05 and **Mychal Lucas** were married July 23, 2005, in Hood River, Ore. Bridesmaids were **Christina Garrish '05** and **Melody Kerber '05**. The couple live in Hood River.



In Memoriam

Walter P. Lee '27 died Nov. 25, 2005, in Idaho at age 101. He married Carol S. (Heston) in 1932. She preceded him in death in 1992. Lee taught high school for 15 years in Portland before entering the Christian ministry in 1942. A lifelong member of the Friends Church, he was the pastor of several congregations in the Northwest, including four in Idaho. With the exception of brief stints in Colorado and Kansas, Lee lived his entire adult life in the Pacific Northwest. He was an avid fisherman and loved to travel. Survivors include a son, a daughter, three grandchildren and seven great-grandchildren.

Dorothy (Taylor) Garlinghouse '30 died Dec. 2, 2005, in Oregon. She was born in St. John, Wash., but lived most of her life in Salem. She was a human-rights activist and founder of the Salem chapter of the United Nations Association. She also founded the International Relations Coalition and was an appointee

to the governor's commission on foreign languages and international studies. She served on the Oregon International Council, was active in the First United Methodist Church in Salem, and served as an observer at the United Nations in New York City for the Methodist Church. Garlinghouse taught history at North Salem High School for 32 years before retiring. In 1996 she married Lester Garlinghouse and they moved to Boise. She returned to Salem in 2001 after her husband died. She received a Salem Distinguished Service Award in 1991. She spent the last four years of her life at Jason Lee Manor. Her sister **Gladys (Taylor) Garlinghouse '33** preceded her in death. Survivors include two sons, including **David Patch '61**, great niece **Kathleen Taylor '65**, and great-great niece **Alice (Lasswell) Michael '84**.

Charles "LaVada" (Maxwell) Reese '30 died Oct. 20, 2005, in California at age 98.

Leland N. Sprecher '30 died Aug. 31, 2005, in Ohio at age 97.

Leah L. (McGaughey) Brown '32 died June 2, 2005, in Oregon. She was born Nov. 11, 1909. Survivors include her husband, Clyde, a son and a daughter.

Beneitta (Edwards) Harland '32 died Sept. 15, 2005. She was born in 1910 and raised in Salem. She was a member of Alpha Chi Omega sorority at Willamette. In 1933 she married **Roy Harland LLB '32**, former trustee, who preceded her in death in 1988. Survivors include two daughters, a nephew, a grandson and a granddaughter.

Clarence A. Poor '32 died Sept. 17, 2005, in California. He was preceded in death by a brother, **George L. Poor '30**, and a sister, **Sarah Hallin '30**. Survivors include a sister, **Frances E. Brown '35**.

Carolyn L. (Brown) Campbell '33 died Nov. 13, 2005, at age 94. She married Joseph Warner Campbell in 1939, and settled into life on the Campbell family farm in Beaverton. She spent more than 40 years as a child welfare worker. Her husband and a sister preceded her in death. Survivors include many nieces and nephews, including niece **Carolyn Merchant '60** and great niece **Martha Schaffer '86**.

Survivors include two daughters, including **Debra Stevenson-Scott '81**, and four grandchildren.

E. Page Bailey '56 died Oct. 5, 2005. He earned a master of education degree in 1960 and a master of arts in philosophy in 1971, both from Temple University. He received his doctorate in music, cultural history and philosophy from Combs College, Philadelphia, in 1972. In 1976 he moved to Mobile, Ala., and founded Page Bailey Associates, a company dedicated to the study of chronic conditions and the improvement of human performance. He returned to the Portland area in 1986. He married Mary M. Bailey and had two daughters. Over the course of his life he was a record-breaking hurdler, skier, mountain climber, boxer, plane and glider pilot and tennis player. Survivors include his wife, two daughters and two grandchildren.

Dean K. Benson '56 died Dec. 25, 2005, at age 71. He served as Medford High's head track coach for 32 years, guiding the team to numerous Southern Oregon Conference championships and the state title in 1964. He also served as an assistant coach in football and basketball at Medford High for most of his tenure at the school. Benson was quite a track star himself. He won a state championship in the 120-yard high hurdles and led Bend High to the team title in 1952. He had even more success in college, winning four Northwest Conference titles in the high hurdles and the NAIA national championship in 1955 for Willamette. His personal record time of 13.9 seconds remains a Willamette record, and he is a member of WU's Athletic Hall of Fame. Benson also competed at the 1956 Olympic trials, where he finished fourth and just missed qualifying for the Summer Games later that year in Melbourne, Australia. He was predeceased by wife **Judy (Mortz) Benson '56** in 1990. Survivors include a son, three daughters and 11 grandchildren.

Douglas E. Heider '56 died July 16, 2005. He enlisted in the U.S. Air Force and served as a gunner on a B-29 in Korea. His service earned him the Air Medal, and he was discharged with the rank of staff sergeant. He married his sweetheart, Mary McCormick, whom he met when they were seven years old and neighbors. With encouragement from U.S. Senator Mark Hatfield '43, Heider set his sights on a seat in the legislature representing Marion County. He was elected at age 28, the youngest legislator in the country,

and served two terms in the House of Representatives. His wife Mary preceded him in death in 2003. Survivors include two sons, two sisters and numerous nieces and nephews.

Ernest Snarr '56 died Nov. 27, 2003, in Hawaii at age 69.

James A. Carey '57 died Nov. 4, 2005, in Gates, Ore., at age 72. He earned graduate degrees at Oregon State University and University of Oregon. In 1952 he joined the U.S. Army and served until 1975. He married Nancy Bell in 1977 in Carson City, Nev., and they settled near Gates on the family farm, where they operated a small cedar shake mill in addition to farming and doing historical tool and siding restoration. Carey was a member of the Gates Latter Day Saints Church. He was preceded in death by three brothers. Survivors include his wife Nancy, Laurie Blain, a brother, two sons, five daughters and 16 grandchildren.

Justine L. (Lewis) Jones '57 died Nov. 22, 2005, in Salem, Ore. She married **Gary Jones '56** in 1954, and they were married for 51 years. Genealogy and historical accuracy were her passion. Survivors include her husband, a daughter, two sons including **Roderick Jones JD '87**, a sister, two nephews and seven grandchildren.

William "Bill" A. Jackson '58 died Sept. 29, 2005, in Hillsboro, Ore. He was a member of the Sigma Chi fraternity while attending Willamette. In 1957 he married **Bette (Pitcher) Jackson '59** in Portland. They lived in Salem until moving to North Plains in 1971. He worked as an electronic engineer at Tektronix for 22 years, then started his own company, Jackson Avionics. In 1975 he co-founded Pacific Technology Group. He retired in 1997. He was a certified airframe and engine mechanic and maintained his own planes. He spent 11 years building an aerobatics bi-plane from plans. He was a member of numerous aviation organizations. Survivors include his wife, a son, two daughters, a sister, three half-siblings, seven grandchildren and a great-grandchild.

Gerald Garth Johnson '58, MME '64, died Oct. 6, 2005, in Bend, Ore. He was a member of Phi Delta Theta and Kappa Delta Pi. He received the Outstanding Oregon Educator Award through Phi Delta Kappa International Honoree. He earned a doctorate in public administration from California Western University. He taught English and

music in Madras, Woodburn and Lake Oswego, Ore. He married Nancy A. Ticknor. After teaching, he became manager of education services of the State of Oregon Children Services Division. He loved genealogy and researched his ancestors to 14th century England. He was preceded in death by his sister and cousin **Julia Johnson '37**. Survivors include his wife, his parents, two daughters, including **Nickole Quackenbush '89**, a son, five grandchildren and numerous nieces, nephews and cousins.

Thomas Honl '59 died Oct. 28, 2006, in Clatsop, Ore., at age 68. He married Judith Olsen '60 in 1960. He graduated from the University of Oregon Medical School in 1964. He served in Vietnam as chief of surgery at the U.S. Air Force hospital in Utopia, Thailand. He was severely injured and discharged from the Air Force with the rank of major in 1972. Honl returned to Astoria, Ore., and practiced at the medical dental clinic until his retirement in 1977. He was a member of the American Legion and a life member of the Disabled American Veterans. In retirement, he pursued hobbies in gardening, aviation, military and Civil War history, and model ship building. Survivors include his wife, three sons and a granddaughter.

Gregory Earl Milnes '61, JD '64 died Dec. 17, 2005, in Hillsboro, Ore. He worked as an attorney for the Federal Communication Commission in Washington, D.C., in 1965-66. In 1967 he became a deputy district attorney in Washington County, and in 1970 he became a district court judge for Washington County. He was elected a circuit court judge in 1974 and named one of Oregon's "Five Outstanding Young Men." He retired in 1999 as Oregon's longest serving judge. He was an active member of the Hillsboro United Methodist Church for more than 35 years. Survivors include his wife of 43 years, **Loretta (Ray) Milnes '61**, a son, two daughters, father-in-law **E. Myron Ray '38**, brother-in-law **Ronald R. Ray '63**, nephews **Kevin P. Ray '92** and **Colin S. Ray MBA/JD/C'00**, and six grandchildren.

James T. Douglas '64 died Nov. 18, 2005, in Arizona at age 65. He was the son of Willamette University Professor **James S. Douglas**. Jim served in the U.S. Navy from 1958-60. A theatre major at Willamette, he participated in many productions on campus and at the Pentacle Theatre in Salem in set design and lighting. He worked as a professional artist and photographer for 35 years, including six years

as art director for the ABC-TV affiliate in Portland and 18 years as corporate/industrial photographer for the Port of Portland. He was a member of the American Society of Media Photographers. Survivors include his wife, **Marcia (Ruby) Douglas '62**, two sons, a sister, a brother and four grandchildren.

John E. Vaagen '64 died Dec. 12, 2004, in Florida at age 62. Survivors include his wife, a son, a daughter, and two stepsons.

Linda G. (York) Hubbard '66 died May 17, 2005, in Portland at age 60. She worked for the Salem Statesman. She married Glen Hubbard in 1966 and moved to Portland, where she worked in the composing room of the Oregonian until 1975. She was a senior at Portland State University when she died. Survivors include her husband, two daughters, a sister and a brother.

C. Randolph Kuhn '66 died Aug. 16, 2005, in Coville, Wash., at age 61. Survivors include his wife, Bonnie.

E. Gregory Hurlburt '69 died Dec. 8, 2005, at age 58. He received a second bachelor's degree from Portland State University. He was a self-employed certified public accountant. He married Doreis Redfield in 1995. Survivors include his wife, a daughter, three stepsons and five grandchildren.

Larry P. Given '73 died Feb. 12, 2004, in Loomis, Calif.

Philip Bruce Sandilands '73 died Nov. 12, 2005, in Salem. He was born in Eboliwa, Cameroon, West Africa, and he spent his first two years of high school at Schutz American School in Alexandria, Egypt, before moving to Salem. He returned to Cameroon from 1976-78 as a volunteer for the Presbyterian Church, working as a professor of English at Les Collèges Unis d'Etat. He worked at Agripac for many years, and at Oregon Cherry Growers. He was ordained an elder at the First Presbyterian Church of Salem, where he served as moderator of the missions outreach committee and as secretary for 12 years. Survivors include two sisters, a brother, and an aunt.

William R. Gray III '77 died Jan. 7, 2006, at age 49. He played football at Willamette and set the Northwest League record for carries by a running back. He was a member of the Sigma Chi fraternity. Gray worked for Tarmac Lumber and was an excellent skier and a noteworthy kayaker. He

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district music supervisor for the Newberg School District, a teacher and vice principal for Newberg High School, and a consultant for several districts, retiring from the Colton School District. He moved to Garby in 1985. Survivors include his wife, four daughters, a son, three stepsons, a brother, 17 grandchildren and 10 great-grandchildren.

Albert E. Wickert '48 died Jan. 31, 2006, in West Linn, Ore., at age 87. He served with the 249th Coast Artillery at Camp Clatsop, attended officer training school in Florida, and was assigned to the 63rd Coast Artillery Anti-Aircraft Unit serving in Seattle and Okinawa. He married Marilyn Patten in 1947. He was preceded in death by his wife in 1992 and by his youngest son in 1974. Survivors include two sons, a daughter and three grandchildren.

Floyd D. Moore '49 died June 9, 2005, in Washington. He is survived by his wife.

Stanley D. Ryals '49 died Jan. 25, 2006. Survivors include his wife, **Barbara (Robinson) Ryals '51**, and five sons.

Jean (Carrico) Barber '50 died Sept. 27, 2005, at age 86. She was born in Alberta, Canada, and grew up on a dairy farm. She attended the University of Alberta and received her teaching license. She taught in two-room schoolhouses for eight years. After World War II she emigrated to America and enrolled at Willamette, where she met **William R. Barber '49**; they were married for 56 years. She was an active member of the Lake Grove Presbyterian Church and a dedicated member of the Democratic Party, helping to organize parties to discuss ballot measures, campaigning for local candidates and volunteering at the polls on voting day. She belonged to the League of Women Voters. Survivors include her husband, a daughter, a son, daughter-in-law **Amanda Barber '80**, a sister and three grandchildren.

Harvey E. Dunn '50 died Oct. 10, 1996, in Sacramento at age 70. Survivors include three sons and two daughters.

Brent C. Nevin '50, LLB '53 died Sept. 8, 2005, in Washington. He served as legal assistant in the U.S. Navy in San Diego. He met and married Irene Lebo in 1954. After being honorably discharged, he and his

wife returned to Clark County, where he was a deputy prosecutor for 18 years. He then served as a district court judge for 12 years until his retirement. The Washington State Bar Association honored him for 50 years of service to the legal profession. Survivors include his wife and two daughters.

Chester A. Dimond '51 died Sept. 26, 2005, in Oregon, at age 76. He received a master's degree from the University of Oregon and taught in Washington and Michigan before returning to Portland in 1970. He was a music teacher at Jefferson High School. He also worked for First Interstate Bank and gave private voice lessons in his free time. In 1954 he married Jeanne Hulsbink; she preceded him in death in 1993. Survivors include a niece and two sisters-in-law.

Miles J. Edwards '51 died March 23, 2006, in Portland at age 76. After graduating from Willamette, he earned a master's degree in physiology and a medical degree from the University of Oregon Medical School, now OHSU, in 1956. After additional training and two years as a U.S. Army doctor in Fort Benning, Ga., he joined the OHSU faculty in 1964, specializing in lung disease and critical care. He retired in 1995 but stayed on as professor emeritus, focusing on medical ethics and end-of-life care. Edwards was recently featured in the *Oregonian* as he became his own patient when his pancreatic cancer metastasized. He chose to live out his days at home with hospice care. He is survived by his wife, **Cynthia (Arpke) Edwards '54**, two sons, two daughters and two stepdaughters, as well as sister **Prudence (Edwards) Denney '53**, brother-in-law **Duane Denney '53**, sister-in-law **Diana (Arpke) Adams '51**, and nephews **Colin Denney '83** and **Nick Adams '84**.

Earl W. Fedje '51 died Oct. 21, 2005, in Chucara, Colo., at age 77. He received degrees in philosophy and theology from Willamette, Boston and Princeton Universities. He married Joan Russell in 1955. He served as deacon of Rose City Park Methodist Church, Portland, and was commissioned in the U.S. Navy Chaplain Corps in 1957. He served two tours in Vietnam and retired as a commander after 20 years. He then worked as founder/broker of Planning Services Hawaii and served as a chartered financial consultant

and life underwriter. He was a life member of the Scottish Rite Masons. His brother, **Raymond N. Fedje '49**, preceded him in death. Survivors include his wife, three children, brother **Alfred M. Fedje '50**, a sisters-in-law, **Betty Fedje '50** and **Polly Fedje '50**, eight grandchildren and a great-grandchild.

Walter A. Stauffacher '51, LLB '56 died Nov. 8, 2005, in Yakima, Wash., at age 78. He began working for the Yakima County prosecutor's office in 1956, then started a private practice in Grandview. He was appointed to the Superior Court bench in 1969. He retired from the bench in 1988 and worked as a judge pro tem when he was assigned a landmark water-rights case. Survivors include two daughters, a brother, two sisters and four grandchildren.

Dorothy P. (Beachler) Roark '52 died Sept. 20, 2005, in El Paso, Texas, at age 74.

Nancy B. (Adams) Baker '52 died Jan. 9, 2006, in Silverton, Ore., just three days after the death of her husband, **Donovan J. Baker**. They were married in 1957. She received her teaching certificate from Willamette and taught English at Lebanon High School before retiring in 1959. She was a homemaker and enjoyed fishing, the outdoors and spending time at their summer home at Agency Lake in Chiloquin. Survivors include two sons and four grandchildren.

Loren W. Ranton '53 died Oct. 16, 2005, in Newtown, Pa. His brother **Leonard Ranton '38** preceded him in death. Survivors include his wife, **Mary Jo (Wigginton) Ranton '51**, two sons, two daughters including **Judith Ranton '75**, brother **Harold Ranton '48**, and nieces **Patricia (Ranton) Lewis '65**, **Barbara (Ranton) Gerrish '71**, and **Sandra (Ranton) Schmor '73**. He is survived by nine grandchildren and two great-grandchildren.

Dorothy O. (Tonning) Bosch '54 died Aug. 24, 2005. She spent her life doing community service. She was married for 37 years to Jack Bosch, who preceded her in death in 1995. Survivors include her mother, a son, two daughters including **Karla (Bosch) Smith '86**, sister **Anita (Tonning) Miller-Davis '56**, brothers **Per Tonning '58** and **Ove Tonning '53**, niece **Judith Miller '82** and two granddaughters.

David A. Bosell '54 died Oct. 18, 2005, in Warm Beach, Wash. He joined the U.S. Navy just a few days short of his 18th birthday in 1945. He later attended Biola University and completed his studies at Willamette. In 1960, he married Altha Lou Miller and settled in Seattle. He spent most of his career at Boeing. Survivors include his wife, two sons, a sister, a granddaughter and two grandsons.

Charles R. Smith '54 died Dec. 12, 2005, at age 76. He served in the U.S. Army during World War II, then worked as an environmental engineer at Tektronix. In 1950 he married Evelyn Gruver; she preceded him in death in 1990. Survivors include two daughters, three sons and five grandchildren.

Michael S. Tavenner '54 died Feb. 7, 2005, in Washington. He earned a master's degree in physics at the University of Utah. He was best known for his work in the use of high intensity strobe lights and lasers as geodetic measuring devices from which the U.S. Air Force geodetic laser research program was born. During his 25 years in the U.S. Air Force, he flew B36, C47 and C130 aircraft in Korea, Vietnam and Okinawa, retiring as lieutenant colonel. He worked on the space shuttle for GE and owned a machine tool business before fulfilling a lifelong dream of sailing the high seas. Survivors include his wife, Marcia, a son, two daughters and five grandchildren.

Leona E. Todd '54 died Jan. 11, 2006, in Salem. After Willamette, she attended Oregon State University, where she obtained master's and doctoral degrees. She taught biology at Cleveland High School in Portland, Ore., and was also head of the science department. In 1960 she joined the science staff at Oregon College of Education, where she taught biology and supervised student teachers. She retired in 1984. Survivors include a sister, a niece, a nephew and an aunt.

Henry A. "Bud" Stevenson '55 died Oct. 6, 2005, in Salem. He served in the U.S. Army during World War II and was awarded the Purple Heart and other medals, serving in Normandy and Northern France. He was an active member of the Military Order of the Purple Heart and the American Legion Capitol Post #9, of which he was a member for 61 years.



Siew-Choy Mok MM'89 works at the University of Hong Kong, running several finance programs for the university and teaching. He and his wife have two children, ages 2 and 10 months.

1990s

Pradeep Chandra Kathi MM'91 is a doctoral candidate in public administration at the University of Southern California. He is a co-principal investigator and lead research assistant on the Collaborative Learning Project, funded by the Hewlett Foundation, to connect city agencies and neighborhood councils in Los Angeles. He recently published "Democratizing the Administrative State" in *Public Administration Review* with the chair of his doctoral committee. Pradeep also presented a paper, "Connecting Neighborhood Councils and City Agencies," at the biennial Public Management Research Conference.



To **Gregg Leiss '91, MM'92** and **Tina Leiss JD'92**, a daughter, Samantha Lee, born Sept. 22, 2005. She joins big sister Shannon.

Russell Allen MBA'93 received designation as a Certified School Business Administrator by the Oregon Association for School Business Officials. He is director of business for the Greater Albany Public School District.

Shigemasa Shin MBA'94 has been manager of the sales and materials department for Kobe Precision Technology in Penang, Malaysia, for almost four years. He will return to Tokyo to lead the administration and planning department for subsidiaries in China, Southeast Asia, Korea and the U.S.

Jus Singh MBA'94 was promoted to managing director at Resources Global Professionals, a former subsidiary of Deloitte & Touche.

Sandy Baruah MM'95 was the featured speaker at the "Future of Federal Economic Development Policy" economic roundtable luncheon last November in Portland. Sandy is acting assistant secretary of commerce for economic development in the Bush Administration. He served as deputy assistant secretary for program operations at the Economic Development Administration and now serves as EDA's chief of staff as well as acting assistant secretary. He and his wife and son live in Washington, D.C.

To **Steve Wegener MM/JD'95** and wife Mary, a son, Edwin Forst Wegener, born Dec. 11, 2005.



To **Mayu Nakagawa Daley MBA'97** and **Glenn Daley MBA'99**, a daughter, Serena Sakura, born Dec. 18, 2005, in Torrance, Calif. Mayu is taking severance from UFG Bank upon their merger with Bank of Tokyo Mitsubishi. Glenn was recently promoted to chief educational research.



Brian Zoeller MBA'01 is currently living in Mauritania, Africa, and working with the Peace Corps. He spent a weekend on a road bike, riding nearly 300 miles in three days. He and another Peace Corps volunteer (above) biked from the northern town of Nouadhibou to the capital, Nouakchott, where he lives. The road they traveled took several years to construct. Brian writes: "The road is a good one and traffic is light seeing as there is almost nothing in between the start and finish. We took advantage of that. Lacking a good physical challenge for quite some time, the other Peace Corps volunteer and I ventured across the coastal edge of the Sahara for what we thought would be a fairly easy but long ride. We hit constant head and cross winds about 90 percent of the time, forcing us to work much harder for longer. It took about eight hours of biking each day to finish. Luckily we had vehicle, medical and bike support along the way, and some folks from the capital joining in for camping fun in the dunes. The trip made me realize, as only the view from a slow-moving apparatus could, the harsh, stark and beautiful landscape that covers much of this country. We are now negotiating over a few more bike trips to other parts of the country. In fact, we're thinking of making the Nouadhibou trip an annual fund-raiser to attract adventuresome foreigners to spend their time and money here." For details, contact Brian at btzoe@yahoo.com.

class notes

enjoyed fishing, hiking, camping, and golf. He was a life-long runner, completing several marathons. He was married to Ann Gray for 21 years. Survivors include his wife, a son, a daughter, his parents and three sisters.

Lance W. Beatty '87 died Nov. 5, 2005, in Olympia, Wash. At Willamette he met his wife, **Kathleen (Rice) Beatty '86**. They were married in 1986. He earned his MBA from the University of Central Florida in 2001. He worked for State Farm Insurance company as a section manager in the underwriting department and was with the company for 17 years. He was a troop leader for his son's Boy Scout and Cub Scout troops. Survivors include his wife, his parents, two sons, two sisters and his grandmother.

Timothy M. Cremere '92 died Sept. 25, 2005, in Portland at age 36. He was an accomplished athlete and his love of sports made him an All-State baseball player at Sprague High School. He volunteered at the Salem Boys and Girls Club. He began his investment career at Everen Securities, where he met his wife, **Sommai Viengkong (Cludom)**. The couple married in 2000. Tim was the owner and founder of Coho Asset Management, LLC; previously he was a principal in his own registered investment advisory firm. Survivors include his wife, his parents and a sister.

David H. Ames '93 died Aug. 24, 2005, at age 34. He lived in Seattle before moving to Portland in 2001. He was a self-employed financial planner. He married Robi Anne Wendlund in 2003. Survivors include his wife, his mother, a daughter, a brother and a sister.

Jennifer Ann Hedgcock '01 died Sept. 17, 2005, in Seattle at age 26. She was a graduate of Seattle University Law School and a member of the King County Bar Association. Jennifer was a member of the Willamette Choir and the Northwest Girls Choir. Survivors include her parents, Robert and Joline, fiancé Tye Graham, her grandmother and numerous cousins, including **Deborah M. Wolfe '98**.

Staff

Charles "Chuck" J. Bowles died Dec. 30, 2005, in Oregon. He was born in 1922. He was the cross-country and track and field coach at Willamette University for 25 years

before his retirement in 1990, and he was inducted into the Willamette University Athletic Hall of Fame in 2001. He was married to **Barbara (Pitts) Bowles '44** for 63 years. Survivors include Barbara, son **C. David Bowles '74** and a daughter

Faculty

Charles H. Derthick died Aug. 23, 2005, in Oregon. He was born in 1916. He retired from Willamette University as professor emeritus of psychology after teaching for 31 years. He was chairman of the psychology department during most of his time at Willamette and a member of Phi Kappa Tau. He met his wife, **Doris**, in Hartford, Conn., and they married in 1940. They came to Oregon in 1948 from Kansas and lived in Keizer until moving to Salem in 1992. During World War II, he flew in the Air Corps and received a commission in the U.S. Army as a psychologist. He was preceded in death by his wife in 2003 and his son **Dean** in 1974. Survivors include a daughter and several grandchildren.

Trustees

Percy W. Loy died Jan. 12, 2006, in Oregon. He was born in 1922 in Vancouver, Wash. He joined Willamette University's Board of Trustees in 1986 and became a life member in 2002. In 1979 he led a 17-member Oregon Business Development Mission to China. It was the first such visit from a U.S. group after China opened to the Western world. Loy fostered education and outreach in China and helped to establish student and faculty exchange programs for Lewis & Clark College and Willamette University. He and others formed the Oregon Frozen Food Council in 1966, and he served as director, president and vice president for more than 14 years. He was preceded in death by his wife of 56 years, **Irene**, and two sons. Survivors include son **Michael S. Loy '73, JD '76**, and daughters **Daria A. Loy-Goto '87, JD '90**, **Marilyn A. Loy-Busch MBA '86** and **Deborah J. Loy-Wong JD '81**.

Atkinson Class Notes

1970s

Patrick Pine '74, MBA '76 received an award for statewide leadership in supporting tobacco prevention efforts at the annual awards dinner of the Oregon Tobacco and Education Program operated under the aegis of the Oregon Department of Human Services. Patrick is a corporate benefits manager for ESCO Corporation and served on the advisory committee for the "Make It Your Business" program of the Tobacco Free Coalition of Oregon. The program encourages employers who are health benefit plan sponsors to include benefits to help employees quit smoking. Patrick is a former smoker who quit more than 13 years ago and has since been an advocate for helping smokers succeed in quitting.



Dan Heister '81, MBA '87 received the USEPA 2005 On-Site Coordinator Excellence in Community Involvement Award. Dan was the OSC at the North Ridge Estates asbestos removal project, and he was in New Orleans for three weeks last November working for USEPA as the deputy incident commander in response to Hurricane Katrina.

Brooks Houser '85, MBA '87, JD '89 won the 108th Anniversary Waverly Blyth Golf Tournament last fall. The Blyth is the oldest amateur golf tournament west of the Mississippi and the first international tournament held in the U.S.

1980s



June Brothers MBA '84 retired as vice president of corporate safety at Georgia-Pacific in December 2005. She and her husband

relocated from Atlanta, Ga., to Winslow Valley Estates in West Salem, where they just completed construction of a new home.

Charlie Hopewell MM '84 left Nelsen Manufacturing after 24 years to become vice president of manufacturing for Aluminite/Alumico, which manufactures window and door screens. Charlie will oversee plants across the country and future expansion. He plans to continue living in Salem until his youngest daughter graduates from high school, when he and his wife will relocate to Chehalis, Wash., his company headquarters.



Donald L. Krahmer '81, MBA/JD '87 was named technical advisor to the Oregon Innovation Council, which provides advice and oversight on business innovation to strengthen the state's competitiveness in global markets. He also serves as board secretary and founding director of Oregon Nanoscience and Microtechnologies Institute.



Elliott Dale MBA'05 is assistant dean for student affairs at AGSM, responsible for student affairs and coordinating activities outside the classroom.

Woody English MBA'05 is senior financial analyst for Providence Health System in Seattle and manages the financial integration of two major organizations, Providence Health System and Providence Services. His role in the merger is working with corporate- and facility-level CFOs to manage financial integration.

Diana Lewis MBA'05 is healthcare representative with Pfizer. She lives in Bend, Ore.

Debra Spears-Turner MBA/JD'05 passed the Utah bar exam in October 2005 and works for Tomax Corporation as HR manager and general counsel. She continues to work part time with Whitford Law Offices as a staff attorney and business manager, responsible for the development of client services and growth of the firm.

School of Education Class Notes

To **Scott Harms '88, MAT'89** and **Katie (Larkin) Harms '94** of Canby, Ore., a son, Luke Michael, born Nov. 2, 2005.

Kevin Zerzan '89, MAT'90 and **Karen (Erskine) Zerzan '90, MAT'91** have both received National Board Certification as teachers, a credential achieved by only 190 teachers in Oregon to date. The Zerzans live and teach in Gladstone, Ore.

Melinda Hoffman '92, MAT'93 and **Stuart Holland** were married Aug. 14, 2004. They live in Beaverton, Ore.



To **Brandon Hundley '95, MAT'97** and **Olga (Supardan) Hundley '96** of Forest Grove, Ore., a daughter, Kiera Sundari, born April 15, 2005.

To **Marcella (Slaughter) Meier '94, MAT'97** and husband Dan of Beaverton, Ore., a son, Hayden Thomas, born Aug. 19, 2005.



Brook Luther '99, MAT'01 and **Geoff Gore '99** were married June 25, 2005, at the Tualatin Country Club. They live in Wilsonville, Ore. Brook teaches fifth grade in Sherwood, and Geoff works for an engineering firm in Tigard.



Aaron Arthur Parker '00, MAT'02 and **Claire Wescott** were married Nov. 19, 2005, at the Holy Rosary Catholic Church in Melbourne, Australia. They have been living in Australia for three years. Aaron is a primary school teacher, and Claire is a marketing consultant.

Greg Ishmael '02, MAT'03 and **Jennifer (Wiegman) Ishmael '03** are in Kyrgyzstan, Central Asia, to serve as Peace Corps volunteers for the next two years. During the first three months, they trained to be ESL teachers and studied the Kyrgyz language. Jennifer works at a secondary school as an English teacher, and Greg works at a university as a teacher trainer for Kyrgyz English teachers.

Take Note!

WAYS TO COMMUNICATE:

- Send an email to scene@willamette.edu.
- Post your note to the online community at www.willamettealumni.com.
- Complete and mail the Class Notes coupon.
- Write to *The Scene*, Willamette University, 900 State Street, Salem, OR 97301.

POINTERS:

- Print or type your note.
- If you've been featured in a newspaper or other publication and would like that information to be included in *Class Notes*, send us a clipping and a note giving your permission.
- Send a photo, and if you do, always identify those in the photo, make sure we can see faces clearly, and if you send it as an email attachment, make sure to send a JPG or TIF of at least 200 ppi.

CAVEATS:

- *The Scene* reserves the right to edit or omit any information submitted.
- *The Scene* does not publish news of engagements, pregnancies or candidacies for office. We'll be happy to share your good news when the time comes.
- Due to space limitations, we will list WU alumni who are members of a wedding party, but we cannot list all those in attendance.
- *The Scene* will list a surviving spouse and other WU alumni relations in all obituaries unless otherwise requested.

DEGREE KEY:

C	Certificate in Dispute Resolution
H	Honorary Degree
JD	Juris Doctor
LLB	Bachelor of Laws
LLM	Master of Laws
MAT	Master of Arts in Teaching
MBA	Master of Business Administration
MBA/JD	Joint Degree
MM	Master of Management or Administration
MEd	Master of Education

class notes

scientist for Los Angeles Unified School District's Program Evaluation and Research Branch. He is the manager of the School Reform Unit within the branch, with responsibility for charter school research and several other areas of reform-related research. He also chairs the district's Committee for External Research Review.

Randall Schmitz '93, MBA/JD'97 of Boise, Idaho, has joined the Boise office of Perkins Cole LLP as an associate in its national litigation practice. He previously was an associate with Anderson Julian and Hull LLP in Boise and served as a real estate attorney for Albertsons Inc.

Jon Lazarus MM'98 and Keri Trask Lazarus '97, MBA/JD/C'01 purchased their first home. In August 2005 Jon passed his Project Management Professional exam. He has worked for the Oregon Department of Transportation for three years, reporting to fellow WU graduate **Galen McGill MBA'93**. Keri runs her own law firm focusing on personal injury cases in the Portland and Salem areas.



Justin Barsotti MM'99 and Becky Broderson were married Sept. 17, 2005, at Beecher Hill House just outside Leavenworth, Wash. They live in Seattle. Justin works on the developer tools marketing team at Microsoft as a marketing manager in charge of academic developer community efforts.

Justin Dickerson MBA'99 was promoted to director of operations analysis at DSW Shoe Warehouse, responsible for real estate and marketing analysis as well as strategic planning. He began his career in the retail industry with Target Corporation, eventually becoming manager of corporate finance. He then managed assortment planning and space planning for Circuit City and Bath & Body Works. He and his family live in Columbus, Ohio, and spend most of their time following Ohio State football.

Boonchoo Laohathanasarn MBA'99 was married Sept. 14, 2005. In his home country of Thailand, he works for Orange, a mobile network provider, at Tesco Lotus (Thailand), a large retail store. He has also started two companies of his own: Thanasarn Tools & Equipment, which imports specialized tools and equipment for construction, and JD Inside Company, which finds solutions using microchip technology.

John A. Lindquist II MBA'99 is chairman of the board of trustees for Enable Industries Inc. in Ogden, Utah. Enable is a not-for-profit organization that provides life skills and job training as well as employment for people with disabilities. This is John's fourth year on the board of trustees.



Bryan Pocock MBA/JD'99 recently enjoyed a relaxing and rewarding vacation in Mexico.



Nels Swenson '98, MM'99 and **Kerry Boyen** were married Sept. 3, 2005, at the Oregon Golf Club in West Linn, Ore. Nels manages a silicon supply chain team at Intel. Previously he worked as a program manager involved in development of the wireless network card used in the Centrino Platform.

2000s

To Katrina Bauman MBA'00 and husband Daniel Dummer, a son, Clayton Daniel Bauman Dummer, born Oct. 17, 2005.

To Dean Burnett MBA'00 and Taryn (Fuchs) Burnett MBA/JD/C'01, a son, Quentin Conrad, born Sept. 26, 2005.



To Mollar Nkiwane MBA'00 and husband Scott Hanselman, a son, Zenzo Quincy Hanselman, born Nov. 29, 2005.

Jeremy Beal MBA/JD/C'01 has been with Morgan Stanley for four years, working for the Morgan Stanley Alternative Investments Group in New York City. Jeremy oversees the commodity pool structuring efforts and is involved with risk management, business development, due diligence, strategic planning, legal/regulatory and administrative issues.

Patrick W. Gakuru MBA'01 is director of the social sector with the Kenyan National Economic and Social Council, the highest policy advisory organ for the government, with membership drawn from both the public and private sector and with the president of Kenya serving as chairman. Patrick oversees the secretariat's work on the social sector's work with health, education, employment and related issues.

John Hoekman MBA'01 is on the advisory board of Vancouver's eco-friendly apparel company, Hempton Clothing. Since 2004 John has served as a senior vice president with Stephens, Inc., an investment bank, where he focuses on business development in the areas of wealth management and investment banking. Previously John directed private client investment strategy at Morgan Stanley and Oppenheimer and Company, Inc.

To Carri McBride MBA'01 and husband Don, a son, Aidan Edward, born Jan. 11, 2006. Aidan joins big brother Ethan, 2. Carri works in human resources at Planar Systems, and Don is a physician in private practice.

To Jason Heym MBA/JD'02 and Mayland (Chan) Heym '00 of Portland, Ore., a son, Tobey, born Oct. 17, 2004. He joins big sister Lily

Mathew Hunnicutt MBA'02 was featured in an article in the December 2005 issue of *Commerce Magazine* regarding the Young Professionals of Portland Group, an organization he helped establish.

Gerald "Jerry" Mathais MBA'03 joined Mettler-Toledo, Inc., a Swiss company with its North American headquarters in Columbus, Ohio, as a business intelligence analyst. He is responsible for corporate reporting including designing, supporting and facilitating the reporting environment for worldwide users.

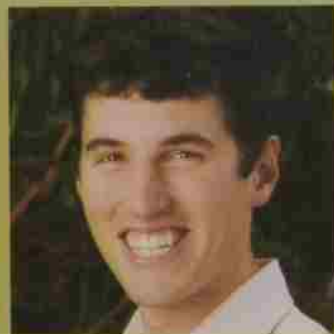
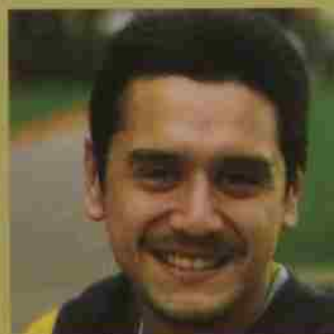
Greg Underwood MBA'03 was promoted from transportation supervisor to manager of transportation and logistics for Hollywood Entertainment. Greg and wife **Nicole Underwood MBA'03**, who works for T-Mobile, live in Portland.



Jessica Brown MBA'04 and Jorge Ordóñez MBA'05 were married Jan. 6, 2006, in Cusco, Peru. They live in Puno, Peru, on the shores of Lake Titicaca, where Jorge is deputy planning manager for a local electric utility company. Jessica recently left her job with National Geographic to move to Peru, and she is now studying Spanish and seeking freelance opportunities with U.S.-based organizations.

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A Gift Returned

Tom Bartlett spent only two years at Willamette, in the early '50s, but those years were some of the happiest of his life.

He was president of the freshman class and threw himself into Freshman Glee. "I enjoyed being fully involved," he says, "but that was characteristic of Willamette—that, and the congeniality of the people." Bartlett also joined the debate team, where he strengthened the public speaking skills that were to serve him through a career as president of Colgate University and the American University in Cairo; chancellor of the State University of New York; the Oregon State System of Higher Education and the University of Alabama System; president of the Association of American Universities; and special advisor to the American ambassador to the United Nations, reporting directly to Henry Cabot Lodge and then Adlai Stevenson.

The gift Willamette gave him has been returned, in the form of a \$150,000 endowment from Tom and his wife, Molly, whom he met when they were graduate students at Stanford. "Willamette's fate will increasingly depend on external support, the willingness of graduates and parents to contribute," says Tom, a former Rhodes Scholar. "Every graduate needs to understand that his or her responsibility is to put another brick on the wall."

The Tom and Molly Bartlett Presidential Fund will be used at the discretion of Willamette University presidents to assist any program, student, faculty member or staff member whose activities further the University's mission.

"One thing I've learned from a career spent in higher education is that the person most likely to know where money is most needed is the president," says Bartlett. "Higher education has this curious practice of allocating all its funds up front, at the beginning of each fiscal year. That makes it hard to take advantage of opportunities that come along

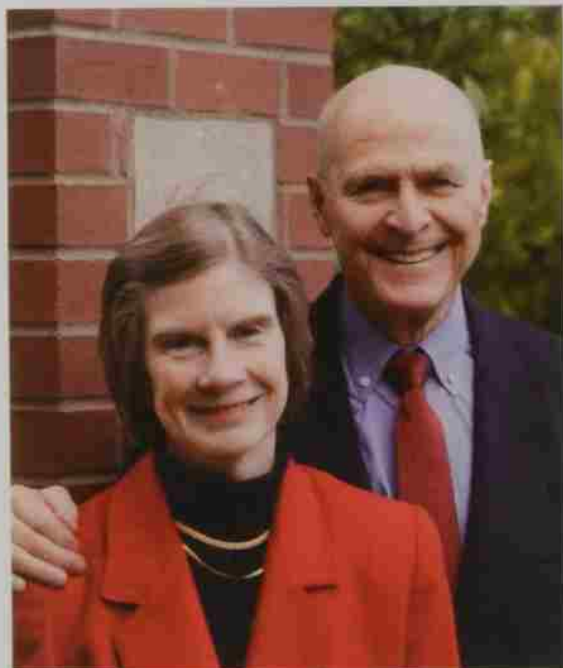
the move to a reduced teaching load for CLA faculty, giving them more time for scholarship; the proposed Centers for Excellence; and the new Portland-based professional MBA program. This generous gift from Tom and Molly Bartlett will help these visions—and others—unfold."

Bartlett believes Willamette is gaining momentum. "It's becoming more intellectually diverse, and that's a sign of an institution that is steadily strengthening," he says. "I sometimes think the secret ingredient of great universities is time." Molly feels at

home on Willamette's beautiful campus and admires the students. "They seem open and interested in things. They're not cynical."

Tom and Molly haven't slowed down in retirement. They travel to visit children and grandchildren, attend events at Willamette and tend to their country farm, which is southeast of Stayton. "That is to say, it's nowhere," Tom laughs. He travels to the Middle East four or five times each year to help

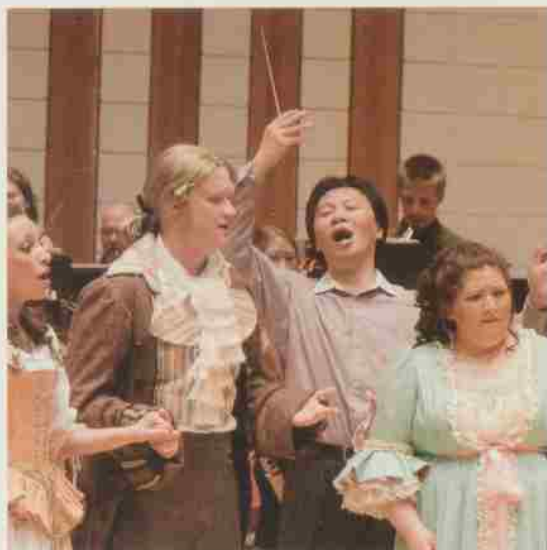
the development of American universities in the area, and has dedicated time to helping with the development of universities in Japan, Yugoslavia and Great Britain. He has also served on numerous boards, including the Council on Foreign Relations, the International Association of Universities, the U.S.-Japan Foundation and NASA's Commercial Space Advisory Committee.



Tom and Molly Bartlett

through the year. Sometimes just a little bit helps."

"Willamette has undertaken many new initiatives over the past several years that represent significant investments in academic excellence," says President Lee Pelton. "These include the residential commons program;



Behind the Scenes: Operatic Observations

Three dozen Willamette students spent countless hours in preparation for their performance of selections from *Così fan Tutte* and *Le Nozze di Figaro* in celebration of Wolfgang Amadeus Mozart's 250th birthday, April 7, 2006.

The Scene visited a dress rehearsal on the student-built set, capturing these Behind the Scenes moments with the cast of 11 singers from the Dramatic Vocal Arts Ensemble and 25 members of the University Chamber Orchestra.

Allison Swenson-Mitchell, ensemble director, managed the production from coaching voices to staging scenes, while Hekun Wu, conductor and associate professor of music, led student instrumentalists in perfecting their performance of these two comic opera scores.

In keeping with the theme of disguise and mistaken identity in these pieces, Willamette students doffed their usual jeans and flip flops and donned lavish costumes and extravagant wigs, rented for the occasion from the Portland Opera. Thanks to Swenson-Mitchell's backstage hair and make-up finesse, their transformation was complete as the stage lights rose in Hudson Hall.



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