



# UH

UNIVERSITY OF HAWAI'I

A MAGAZINE FOR ALUMNI AND FRIENDS

FALL 2013

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4 Q&A: REGENTS
Interview with
3 Board members

8 INVENTORS IN PARADISE

Creators enjoy UH
System's support

13 BY THE NUMBERS
Facts & figures about UH

16 WINNING APP
UH Hilo's Team Poli'ahu
basks in global spotlight

18 NURTURING FASHION
Honolulu CC grooms
tomorrow's designers

20 RECIPE FOR PERFECTION
Culinary arts program
thrives at Hawaii'i CC

23 NEWSMAKERS
The Mars rover, ocean
discoveries and
sustainability

25 ALTERNATIVE ENERGY
5 things UH alumni
know about alternative
energy

32 WAI'ALE'ALE SCHOLARS
Kaua'i CC helps students
gain access to higher
education



40

THE LEGEND OF DAVE SHOJI

Rainbow Wahine coach enters 39th,
and possibly, final season at the helm

28 MILESTONES

Achievements by alumni
and friends

33 ALUMNI CALENDAR
Schedule of events and activities

46 PARTING SHOT
New campaign for the UH women's
volleyball team

ON THE COVER: Robert Yonover, President and Founder, SEE/RESCUE Corporation
Photo by Olivier Koning

# ONE DIRECTION: UH INSPIRES REGENTS TO PAY IT FORWARD

**T**he University of Hawai'i Board of Regents oversees the general management and control of the university. The board is comprised of 15 regents chosen from among the UH 'ohana. In this issue three of the regents reflect on the influence UH has had in their lives. They are Saedene Ota, founder of the graphics firm Sae Design; Tom Shigemoto, vice president of planning for Alexander and Baldwin Properties, Inc.; and Jan Sullivan, CEO of Oceanit.

**Q: How did your experience at UH shape your career or the decisions you've made since you graduated?**

**REGENT OTA:** The opportunities that UH provided me, not necessarily the experiences specifically, helped shape my career. I was able to transfer to Maui Community College at the time, from Mānoa when my younger brother was ill. The flexibility of taking courses on Maui that were transferable, allowed me to spend time with my family during a very difficult time. I also took advantage of the exchange program after

returning to Mānoa. I knew that at some point that I wanted to attend a design school in LA. At Cal State Northridge I paid in-state tuition, worked on my core credits, learned about the area and built my portfolio.

**REGENT SHIGEMOTO:** My professional career diverged into two interesting and very rewarding directions. After studying and graduating with a land planning degree from the university, I was fortunate to have been hired as a land planner for the County of Kaua'i in 1971. After 18 years with the Planning Department, the last two as its director, I found employment first with Princeville Corporation as its director of planning for a year, and now for the past 22 years with Alexander and Baldwin Properties, Inc. as a vice president of planning on Kaua'i. The University of Hawai'i provided me with the educational basics of a profession I knew little about but through perseverance and dedication, I feel I have accomplished as much as I can and am extremely pleased not only with my progress as a professional but as a person as well.

*"It's easy to lose sight of what you're trying to achieve, but at every graduation I'm given a reality check. It's about our kids."*

— SAEDENE OTA



*“How we educate new generations, and the types of leaders and citizens we put into the workforce, will affect the future of Hawai‘i for generations to come.”*

– JAN SULLIVAN

**REGENT SULLIVAN:** I attended the Richardson School of Law when it was still operating out of temporary, portable buildings that were located in the “quarry.” The lack of beautiful buildings didn’t matter—the substance of the education was solid and the professors were inspiring. Until I attended law school, I never really had to push myself and had always managed to cruise by. This was the first time I experienced what it meant having teachers and professors take a personal interest in me and my development as a professional. They pushed me to grow and taught me that through hard work and discipline, I could accomplish much more than I thought possible. In particular, Prof. Van Dyke, along with my seminar leader Justice Kidwell, were both so inspirational that I seriously considered making a career out of constitutional law. I entered the Richardson School of Law without having any real direction—I left the University of Hawai‘i with a great desire to one day be able to use my knowledge and training to give back to, and to better our community.

**Q: What motivates you to serve as a regent for UH?**

**REGENT OTA:** My children, their friends and our small community, the hope that opportunity and access to higher-education is available to anyone. Our state, UH, has the power to fulfill dreams and build stronger communities. This is an incredible responsibility that I don’t take lightly. It’s easy to lose sight of what you’re trying to achieve, but at every graduation I’m given a reality check. It’s about our kids.

**REGENT SHIGEMOTO:** Caring for and helping people. My entire professional life has been devoted to volunteering as a coach, an umpire, a referee, serving on community business and government boards and committees, with my church and with health and safety programs. Each organization or agency I’ve served with has strived to enhance and improve our lives on Kaua‘i. I now have the opportunity of

servicing my community as well as the state at a higher educational level to help students, faculty and our economy by accepting the many challenges our university is confronted with, never forgetting why we volunteered to serve.

**REGENT SULLIVAN:** The University of Hawai‘i is our state’s only public institution of higher learning. We have an obligation and a duty to provide affordable, accessible and quality education to the residents of the state of Hawai‘i. The university faces huge challenges in accomplishing these goals, and it needs help from everyone that cares about Hawai‘i’s future. It will take a community to sustain and continually make progress on evolving and improving our institution of higher learning. I am just one of many people who want to help the university—all my fellow volunteer board members realize how we educate new generations, and the types of leaders and citizens we put into the workforce, will affect the future of Hawai‘i for generations to come.



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*“I now have the opportunity of serving my community as well as the state at a higher educational level to help students, faculty and our economy by accepting the many challenges our university is confronted with, never forgetting why we volunteered to serve.”*

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– TOM SHIGEMOTO

**Q: What makes you proud to be an alum of UH?**

**REGENT OTA:** Having spent a good three years in the UH System, I’m most proud of the passion and commitment that everyone has for UH. No matter what our differences, in the end I can honestly say that we all love and want the best for the university.

**REGENT SHIGEMOTO:** I am most satisfied in attaining my baccalaureate degree from the University of Hawai’i because I was able to fulfill a dream my parents had for one of their children to graduate from college—parents who labored long and hard to support a family of six on a small rural island. I am extremely pleased, with my humble upbringing and mediocre test scores, to be able to withstand the rigors, demands, and challenges the university presented at a time when there were no computers, fax machines and cell phones. I was ecstatic just to have

been accepted at Hawai’i’s only public university, where not many other options were available and competition ultra keen.

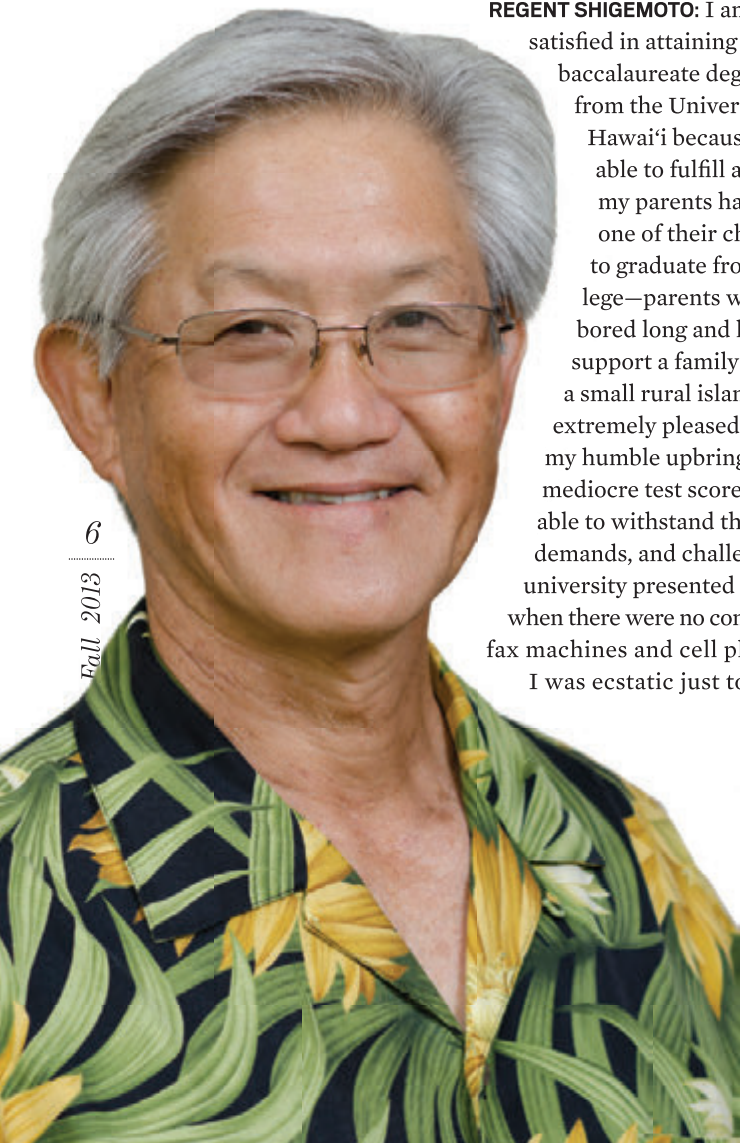
**REGENT SULLIVAN:** Kids that grow up in Hawai’i need to believe in themselves. We have the capacity to compete nationally, as well as internationally. We have a habit of believing that institutions on the mainland make people better, smarter, and more capable. I do not believe that this is true. I am proud to be a graduate of the University of Hawai’i because it provided me with an affordable education in Hawai’i, it prepared me for a professional career and it provided me with a knowledge base and skill set that I am confident is as good as any place else, if not better.

**Q: Fondest memory of your time at UH?**

**REGENT OTA:** Taking the bus to buy groceries, the mini-fridge, late night saimin, the bunny that died in my dorm room, eating corned beef hash and eggs before religion class in the morning, the buzzing of mopeds in the morning ... living away from home but feeling like I was right at home.

**REGENT SHIGEMOTO:** My fondest memories at the university are of the many friendships and experiences I had staying in the dorm at UH. A very close second is being there when the Fabulous Five basketball team was formed and treated not only us students but the entire state to such an exciting time.

**REGENT SULLIVAN:** I have many fond memories of my time at UH—but it’s the everyday things that I remember best. Two things stand out in my memory: It was great being able to walk across the road from the temporary buildings every day to swim at the UH pool; and my car was towed so many times that I made friends with the impound guy.



# Who would you add to the list?

## The University of Hawai'i Distinguished Alumni Award Winners (1989 - 2013)

### 1989

Joshua C. Aagsalud '55, '61  
Robert H. Hughes '38  
E. Alison Kay '57  
Ah Quon McElrath '38  
Wayne Carr Metcalf, III '75  
Marie Nakanishi Milks '66  
Richard Penhallow '26  
Larry D. Price '65  
Tina M. Shelton '80

### 1990

Momi W. Cazimero '55  
Stanton Ho '75  
Lolani Jameson '79, '88, '89  
Thomas K. Kaulukukui, Sr.  
'38, '39, '41  
Donald C.W. Kim '58  
Dorothy I. Matsuo '50  
James M. Morita '36  
Andre S. Tatibouet '63  
Joyce S. Tsunoda '60, '66

### 1991

Neil Abercrombie '64, '74  
Marion Diamond '35  
Hiram L. Fong '30  
Fujio Matsuda '43  
Sharon Narimatsu '67, '75  
Harriet Natsuyama '58, '60

### 1992

S. Haunani Apoliona '67, '73  
Patricia Lanoie Blanchette '72, '74  
Vernon Char '56  
Kan Jung Luke '36  
Ralph M. Miwa '48, '50  
Margaret Oda '47, '77  
Patsy Saiki '54, '59  
James Walker '59, '62  
Michael B. White '72  
Walter Wong '67

### 1993

Walter A. Dods, Jr. '67  
Robert M. Fujimoto '51  
Edward Hirata '56  
Satoru Izutsu '50  
Lawrence M. Johnson '63  
Kent M. Keith '77  
Alexander Malahoff '65

### 1994

Isabella Aiona Abbott '41

Michael J. Chun '68  
William Fruean '77  
Dewey H. Kim '50  
Helen R. Nagtalon-Miller '51, '67  
Francis Y. Sogi '49  
Ben Taguchi '54  
Jeanette C. Takamura '69, '72

### 1995

Rosie Kim Chang '47, '77  
Madeleine J. Goodman '73  
David Hyun '40  
Andrew W.S. In '42  
M. Asad Khan '67  
Frederick F.Y. Pang '58, '72  
William S. Richardson '41  
Yoshiko Sakurai '69

### 1996

Amefil Agbayani '66, '69  
Chang-Yoon Choi '68, '73  
Gregory Dever '78  
Richard H. Kosaki '49  
Abraham Piianaia '53, '55

### 1997

David C. Cole '76  
Philip Helfrich '58  
Richard D. Parsons  
Barbara Peterson '78

### 1998

Dyanne Affonso '66  
David E.K. Cooper '63  
Soon-Kwon Kim '74  
Beatrice Krauss '30  
Ernest K. Nishizaki '69  
Livingston M.F. Wong '52

### 1999

Fred Shiu Leung Chan '72, '74  
Doris M. Ching '63, '71  
Eddie Flores, Jr. '70  
Mo-Im Kim '67  
Michael S. Nakamura '74  
Terry T. Shintani '79, '85  
Daniel K. Akaka\* '52, '53, '66

### 2000

Robin K. Campaniano '73, '83  
Ronald N.S. Ho '67, '68  
Daniel K. Inouye '50  
Francis A. Keala '53  
Pamela Samuelson '71, '72

Gladys A. Brandt\* '42

### 2001

Naleen Naupaka Andrade '76, '82  
Jack S. Fritz '73, '79  
Haruyuki Kamemoto '44, '47  
Robert N. Katayama '50  
Lydia L.W. Tsui '75  
Edwin S.N. Wong '51  
Kane S. Fernandez† '58

### 2002

Warren Haruki '77  
Kevin Hughes '02  
Daniel B.T. Lau '41  
Kurt Osaki '88  
Donna Tanoue '76  
Alan Wong '79  
Hiram L. Fong\* '30

### 2003

Allan K. Ikawa '71  
Howard Karr '66  
Francis S. Oda '00  
Puongpun Sananikone '68  
Patrice Tanaka '74  
William S. Richardson\* '41

### 2004

Beadie Kanahele Dawson '81  
Attilio Kanei Leonardi '72, '94  
Thelma Chock Nip '50  
Barry K. Taniguchi '69  
Frank Watase '50  
Ah Quon McElrath\* '38  
Richard Hartman† '74

### 2005

Charles T. Araki '57, '67  
Elmer E. Botsai '00  
Frederick Karl Duennebier '68, '72  
Robert P. Hiam '69  
Jong-wook Lee '81  
Gary A. Okamoto '66  
Carole Kai Onouye '66  
Ronald E. Bright\* '56, '57, '73

### 2006

Thomas Kaulukukui, Jr. '77  
Samuel Koide '45  
Patricia Y. Lee '65, '79  
Robert G.F. Lee '42, '51  
Seiji Naya '58  
Kent Tsukamoto '78

Victor Yano '74, '78  
Genoa Keawe\*

### 2007

Walter Kirimitsu '62  
Jay H. Shidler '68  
Thomas P. Gill\* '46

### 2008

Centennial Celebration  
with Distinguished Alumni

### 2009

Chiyoame Fukino '79  
James '69 & Lois '69 Horton  
Dee Jay Mailer '75, '85  
Sabrina McKenna '78, '82  
Daniel B.T. Lau\* '41  
David & Wendie McClain†

### 2010

Wesley F. Fong '65  
David Lassner '98  
Ashok Kumar Malhotra '69  
Virginia Pressler '78, '81, '82  
Patricia Saiki\* '52

### 2011

L. Tammy Duckworth '89  
Gary Galihier '71, '77 &  
Diane Ono '73, '82, '91  
Richard Ha '73  
John T. Komeiji '75  
Hing Leung Sham '80  
Isabella Aiona Abbott\* '41

### 2012

Robert Alm '73  
Frederick Choi '65, '68  
Patrick DeLeon '73  
Ted Tsukiyama\*  
Virginia Hinshaw†  
Ann Dunham Soetoro†  
'67, '83, '92

### 2013

Edwin Gayagas '62  
Alden Henderson '77, '82  
Patrick Sullivan '81, '85  
Barbara Tanabe '83  
David Ezra\*

\* UH Founders Alumni Association  
Lifetime Achievement Award

† UHAA President's Award

Submit nominations for the  
2014 University of Hawai'i Distinguished Alumni Award  
[UHalumni.org/daa-nomination](http://UHalumni.org/daa-nomination)

# Scholarships Reward Achievement ... and Enable Academic Success

Scores of students, selected by the University of Hawai'i Board of Regents, have received full tuition scholarships over the past 26 years because of their record of outstanding academic achievement. Some have gone on to higher education. Some have moved to the mainland and returned years later as seasoned citizens.

As a Waiakea High School senior, Paul Chen, now a 42-year-old Honolulu human resources consultant, felt relief when he received a Regents Scholarship in 1989. The scholarship allowed Chen to graduate without any debt. He says it helped make him the man he is today.

"I didn't have to work to stay afloat," he says. "I could focus on my studies and get involved with volunteer efforts and be in the honor society. Basically, it allowed me to take risks that I wouldn't have been able to if I had to worry about money."

That sentiment is echoed by current student Eddie Leung, a Kaiser High School graduate, who this year received a Presidential Scholarship that will enable him to receive a tuition waver for the next two years. Knowing that his parents won't have to scrape together his tuition

---

*"I didn't have to work to stay afloat, I could focus on my studies and get involved with volunteer efforts and be in the honor society."*

**– Paul Chen**

---

has made it easier for him to focus on his molecular and cellular biology studies.

"The stress of paying the tuition every single semester was affecting my academics," says Leung, 20, whose plans include medical school. "The scholarship took the pressure off."

Each of the students who receive these scholarships have amazing tales of success, says Lui Hokoana, University of Hawai'i vice president for student affairs.

"One of the intents of the Regents Scholarships is to keep our brightest high school students here in Hawai'i," Hokoana says. "They not only have an exemplary academic record but they also have an amazing extracurricular resume."

*– Suzanne Roig*



## Qualifying Scholars



The 2013 University of Hawai'i Regents and Presidential Scholarship winners were honored at a dinner July 18 at the Pomaika'i Ballrooms at Dole Cannery.

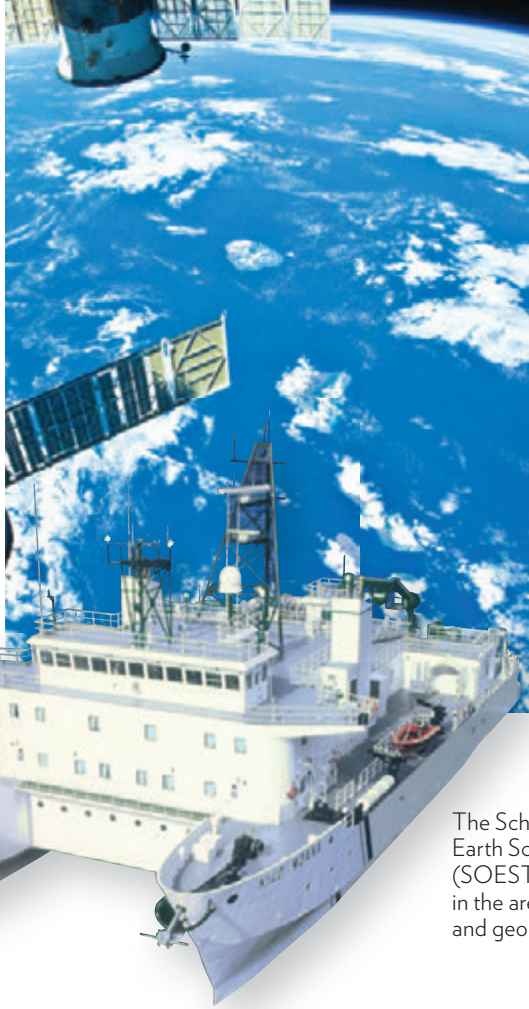
Each year the University of Hawai'i chooses 20 students as Regent Scholars and 10 UH college juniors for the Presidential scholarships.

Regents Scholarships are awarded to freshmen who receive an SAT combined score of at least 1,950 on all three sections of the test or ACT combined score of at least 29, maintain at least a 3.5 grade-point average in academic subjects in

high school, and whose extracurricular achievements are shown to be remarkable.

Presidential Scholarships are awarded college juniors who have a minimum cumulative GPA of 3.7 for all college level work, a record of sustained progress in academic courses, and evidence of superior academic achievement or creative endeavor.





Brian Taylor, SOEST dean and interim vice chancellor.

The School of Ocean and Earth Science and Technology (SOEST) performs key research in the areas of marine science and geology and meteorology.

# SOEST: Embarks on Hawai‘i’s First Space Launch

In 1988, the University of Hawai‘i Board of Regents approved the creation of a long-awaited hub for cutting-edge marine science, geology and meteorology research. Twenty five years later, the School of Ocean and Earth Science and Technology attracts nearly one-third of all extramural research at the Mānoa campus, employs nearly 900 people and has an annual operating budget topping \$140 million.

Brian Taylor, SOEST dean and interim vice chancellor for research, says the school has demonstrated that Hawai‘i is a perfect laboratory—and home—for groundbreaking research in everything from alternative energy to coral reef ecosystems to volcanology.

“As your real estate agent says, it’s location, location, location,” he says. SOEST “just makes sense to have in the middle of the biggest island in the biggest ocean, which is the Pacific.”

While SOEST was created in 1988, faculty members actually trace its beginnings to 1908, when the inaugural president of the College of Hawai‘i (later renamed UH Mānoa) said the fledgling institution should have a “logical focus on agriculture and marine sciences.”

SOEST’s approval moved several previously independent departments and research units, including geology and geophysics, ocean engineering and the Hawai‘i Natural Energy Institute, under the same umbrella.

Tom Schroeder, retired professor and four-time chairman of the meteorology department, says once SOEST was created, the school benefited from “enlightened leadership.” That meant resources and organization for the school’s programs and faculty, but not micromanagement. “I had the flexibility to use my own judgment to further the (meteorology) program,” he says.

As it celebrates its 25th year, SOEST is also gearing up for another milestone: Hawai‘i’s first space launch. In 2014, a team of UH researchers and students plan to launch a satellite from the Navy’s Pacific Missile Range Facility on Kaua‘i.

Taylor said the work of the university’s Hawai‘i Space Flight Laboratory—a partnership between SOEST and the College of Engineering—promises a new frontier of research opportunities for the school.

—Mary Vorsino

# Turning 40—and Thriving

William S. Richardson School of Law ranks as one of the best in the country



The 1980 State Legislature committed \$10 million to build permanent buildings for the University of Hawai'i Law School where it now stands. This photo of the groundbreaking includes Gov. George Ariyoshi, fifth from the right, and Chief Justice William S. Richardson, sixth from the right. The new Law School opened in 1983 and was named after Richardson.

**W**hen Hawai'i Chief Justice William S. Richardson pushed the dream of a law school for Hawai'i, he was joined in the late 1960s and early 1970s by other political and legislative leaders.

Through their vision, and against all odds—including a tide of criticism and concerns about funding—the state's only law school has grown and thrived.

From its modest beginnings 40 years ago in temporary buildings in the University of Hawai'i quarry, a strong and prestigious School of Law has emerged. It meant a great deal to the state then, and today means even more, partly because of the countless hours of free legal work students and faculty provide, as well as the endless number of opportunities it offers for earning law degrees without leaving home or going deeply into debt.

There were 53 students that first year, 1973. As the 1980s and 1990s came and went, and a new millennium began, the class size almost doubled, and national evaluations soared. Rated this year at No. 80 among America's top-tier law schools according to the 2013 U.S. News & World Report, the William S. Richardson School of Law is also recognized as the most diverse law school in the nation. As well, it's the highest ranked small school, and has been singled out in other rankings for its affordability, student solidarity and innovative teaching.

In this, Richardson's anniversary year, the Law School has seen more than 3,000 students pass through its doors and find their niche in the legal community. The Law School emphasizes environmental law, Asia-Pacific law and Native Hawaiian law but it offers a remarkably broad array of courses in realms ranging from business law to criminal law to civil rights and civil liberties.

In hands-on "clinics," students have the opportunity to serve real clients, helping children, veterans, the elderly. They also participate in unique law partnerships with Japan, Australia, Canada and the Ryukyus and have the opportunity to study with faculty that include experts in Chinese, Japanese, Korean and Philippine law.

Beginning back in 1987, U.S. Supreme Court Justices have made regular biennial appearances to lecture, engage and encourage. Most recently Associate Justice Sonia Sotomayor called the Law School "extraordinary," and singled it out as the nation's most wonderful for its commitment to public service.

Every January since 2005, renowned judges and law professors from across the country have also been invited to teach intensive two-week courses during winter break. And in 2008, the Part Time Evening Program was launched, allowing mid-career professionals to bring additional breadth to an already exceptional student body.

—Bev Creamer

# Our Community Colleges Provide A Great Start



1964  
2014



UNIVERSITY  
of HAWAII  
COMMUNITY COLLEGES

UH community colleges provide higher education to 30,000 students

In 1964 the state of Hawai'i legislatively mandated a community college system, and enrollment for that first year was a proud 1,987, with four campuses charting the way—Maui, Kapi'olani, Honolulu, and Kaua'i. Six years later, enrollment passed 10,000 students, and the additions of Leeward, Hawai'i, Windward campuses and the Employment Training Center bolstered growth and provided more educational opportunities for Hawai'i citizens.

Now nearing its 50th golden anniversary in 2013, the University of Hawai'i Community Colleges enjoys the attendance of 30,000 students who are being prepared, via liberal arts and sciences courses, to transfer to baccalaureate and other advanced learning institutions.

"All of us in the community colleges are extremely proud of the role we have been able to play in providing access to higher education," says John Morton, vice president of UH Community College.

Morton joined the UH System in 1970 as a faculty member in chemistry and political science, and has seen it through many transitions and milestones. "While access has always been an important part of our identity, now we want to make sure access translates to success," he says.

Initiatives like the Hawai'i Graduation Initiative, introduced in 2010, reinforce the aim of success with a goal to increase the number of graduates by 25 percent

by 2015. The initiative lays out such programs as "15 to Finish," which encourages students to take 15 credits per semester in order to graduate on time. Additionally, each campus is awarded with a scorecard to track its progress. While the ultimate purpose is to prepare a workforce prepared to meet a competitive marketplace and contribute to Hawai'i's economy, graduation is also much more than just a metric.

*"While access has always been an important part of our identity, now we want to make sure access translates to success."*

**—John Morton**

"Graduations just so happen to be one of my favorite things about my role in Community Colleges," Morton says. "Listening to students' stories of overcoming tremendous obstacles to fulfill their dreams is a great reminder of what we're working toward."

*—Tara Zirker*



Honolulu Community College model  
August 1967



Maui Community College  
groundbreaking ceremony



25th anniversary of UH Community Colleges  
April 11, 1989

# Advanced Education Adds Years to Your Life

College education leads to about 30 percent more income over the course of one's lifetime, with a subsequent 29 percent less likelihood to be unemployed during economic downturns. While this may not come as a huge surprise to most, did you know that completing just one year of college adds about seven years to a person's lifespan? You might say advanced education drastically impacts a person's life.

These discoveries and others, prompted Jim Lally, a quiet and understated philanthropist, to begin the Wai'ale'ale project—which enables students to attend Kaua'i Community College via tuition scholarships, and receive the critical hands-on mentorship and counseling support that has been key to their success.

The program launched four years ago, with the purpose of increasing access to education, and reached 100 applications, resulting in 41 enrolled students, during its inaugural year. For the 2013-2014 academic year, applications

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*“... the program is designed to draw in students who would likely be unable to or choose not to further their education.”*  
—Kimo Perry

---

have topped 200, and 100 students are expected to enroll.

“These are significant numbers for our small community college,” says Kimo Perry, Wai'ale'ale project coordinator. “And that's especially meaningful when you realize that the program is designed to draw in students who would be unable or unlikely to further their education.”

Indeed, the program has been credited with enabling dreams.

“Without the scholarship, I probably would have never gone back to school,” says Delcey Garma, the first graduate of the program. “My husband makes just a little too much for us to qualify for full financial assistance, but we still have our small family to support.



Wai'ale'ale students before the 2013 commencement ceremonies in May at Kaua'i Community College.

It would have been too much of a financial strain without the scholarship.”

Garma's success story is contributing to the overall success of the program—now boasting its first cohorts of graduates—and expansion is being considered at other of the UH System's community colleges. Potential students—about two-thirds of whom come straight from high school—must be recommended by one of more than 40 organizational referrers (ranging from guidance counselors to local government agencies), ensuring that the applicants are a good fit for the program and will stay actively engaged in their own education.

“If you get accepted, stay with it,” says Garma. “It's a great program and you don't get another chance if you give up.”

—Tara Zirker

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# One gift ... two futures



## How the Dods helped Dr. Luu save Walter's life

During a recent visit to The Queen's Medical Center for a life-threatening illness, Walter Dods gained a unique perspective on the importance of the scholarship fund he and his wife Diane created at UH.

When Dr. Van Luu came into Walter's room to check on him, she read his chart and asked, "Are you the Dods from the Dods Scholarship?" When he told her yes, Dr. Luu said, "I went through the University of Hawai'i medical school on your scholarship. You're not going to die on my watch."

"That brought tears to my eyes," Walter remembers. "It really brought it all home to me: Give a person a chance."

The University of Hawai'i Foundation helps donors like the Dods give chances to students like Dr. Luu '05, who in turn go on to do great things for our communities and the world. To learn more about helping students succeed, call 808.956.8849 or visit [www.uhfoundation.org/scholarships](http://www.uhfoundation.org/scholarships).



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sliced bread.”

OTTO ROHWEDDER (1880-1960), INVENTOR OF  
THE BREAD-SLICING MACHINE IN 1928

# Aha!

## Inventors Well-Armed to Create

By Gail Miyasaki

**T**inkerers, jerry-riggers and builders of a better mousetrap, through the ages, all speak of the curiosity that drives them, the joy of discovery and the exciting challenge to turn that eureka! moment into an invention that can be useful, practical and beneficial to humankind.

While human beings have created new inventions since the earliest stone tools, much of the sweeping developments of the Industrial Revolution of the 18th and 19th centuries, and especially the technology-driven innovations of recent times, have been fueled by knowledge sparked by human daring and imagination.

Many of our greatest inventions are “accidents.” Alexander Fleming’s messy workstation gave rise to penicillin when he went on vacation. Chemist William Henry Perkins’ search for a cure for malaria turned out the first synthetic dye. His color dyes in turn inspired German physician and scientist Paul Ehrlich to pioneer immunology and chemotherapy for cancer treatment. Chemistry graduate student Jamie Link’s shattered silicon chip in 2004 led to the development of tiny “Smartdust” sensors that can detect biological agents in the air and aid in destroying tumors in living things.

“Chance favors the prepared mind,” said Louis Pasteur. The genius behind all inventions are inventors willing to stand on the brink, but well-armed with skills and knowledge.

Can “inventing” be taught? “Oh yes!” says Heidi Kuehnle, one of four UH-affiliated inventors profiled here who took the leap to create something that never existed before.

## Robert Yonover

PRESIDENT AND FOUNDER, SEE/RESCUE CORPORATION

**F**lying in a rusty and rickety old Cessna to Kaua’i in 1984, Rob Yonover suddenly felt the rented plane sputtering and making terrible noises. “Thoughts of doom ran through my head,” recalls Yonover (PhD ’89 geochemistry/volcanology Mānoa). He envisioned himself a tiny speck in a big ocean that no rescuers could see. The plane landed safely, but not Yonover’s imagination.

Out of this experience was born the ocean sports enthusiast’s invention of SEE/RESCUE®, a simple, long strip of bright orange plastic ingeniously outfitted with struts that allow a 6-inch-wide streamer to spin out like a helix to 25 feet and float flat on the water surface. Unlike flares or sea dyes, the streamer won’t dissipate and can also be seen from afar on land or snow. Yonover drew inspiration from unlikely sources: artist Christo’s plastic-covered mountain in Florida and the flexible segmentation he found in nature (a major inspiration

of ideas for him) in palm trees, vertebrae and the centipede. “The idea came fast, but it took 11 years to perfect the streamer, especially the struts,” says Yonover, who gets funding from the Defense Department and today works off his Hawai’i Kai lanai on survival technologies. SEE/RESCUE® has saved at least four lives—two military and two scuba divers.

The military-approved and patented SEE/RESCUE®, which can be deployed automatically in fighter jet crashes, is joined by several other patented Yonover-devised survival technologies, including a pocket-size inflatable float and a portable desalinator for fresh water that uses Gortex® technology to separate salt from sea water.

“Innovating is about being passionate about something. And getting the most training you can,” says Yonover who credits working on his doctorate for his ability to research, problem-solve and write about his inventions. His dream is to see the creation of an “Innovation Lab” at UH, where people like him and aspiring young inventors from the arts and the sciences can find a “safe place to cross-pollinate and simply invent.”

*“People think that inventions have to be Nobel Prize-worthy discoveries, but most patents are for practical solutions that are beneficial.”*

– ADELHEID “HEIDI” KUEHNLE

## Adelheid Kuehnle

CEO AND CO-FOUNDER,  
KUEHNLE AGROSYSTEMS (KAS)

“I can’t help myself,” says Adelheid “Heidi” Kuehnle of her love of discovery of solutions to real life challenges that has highlighted her 22 years as a UH Mānoa professor in plant breeding and biotechnology, her ground-breaking research work with Professor Emeritus Haruyuki Kamemoto that resulted in the UH’s first plant patent, and her current status as the holder of more than 20 patents and patents pending.

“People think that inventions have to be Nobel Prize-worthy discoveries, but most patents are for practical solutions that are beneficial,”

says Kuehnle, who co-founded KAS in 2007 with her entrepreneur engineer father, Manfred Kuehnle, PhD, to commercialize a UH-issued patent she invented and then licensed from the UH through KAS. Universities are conducive to fostering new discoveries, she says, and the university-industry partnership ideal for commercial development and marketing. Kuehnle encourages entrepreneurial UH researchers to start their own spin-out companies and partner with the university.

UH remains essential to her company’s success as a sustainable product-focused biosciences company specializing in “elite algae” for the world’s developing bio-fuels and bioproducts industries. Combining Kuehnle’s plant breeding and biotechnology skills with KAS and UH-developed patents, and post-doctoral UH students and interns on staff, KAS is unique in its ability to tailor

strains to specific customer needs. Through federal and state-funded algae research projects, its major customers are using proprietary locally-grown algae cultivars in cosmetics, wastewater treatment with carbon dioxide capture (recipient of an EPA award), and as a remedy for overfishing in aquaculture and animal nutrition. “Our renewable algae products are a driving force behind bio-fuels to replace petroleum,” she says.

“Innovation thrives in uncertainty, lack of structure and risk-taking. It’s not for everyone,” says Kuehnle who in 2008 was named UH’s Scientist of the Year and recipient of the Governor’s Innovator Award. She cites the Rensselaer Polytechnic Institute’s Inventor’s Studio program as an example of how higher education can identify and guide future “I-can’t-help-myself” inventors to follow her journey of discovery to invention to business.



PHOTO: OLIVIER KONING



*“I really love this work. It’s challenging and produces benefits for every industry. Hawai‘i is a perfect place to develop such a product with diverse climate zones in a small region.”*

– LLOYD HIHARA



## Lloyd Hihara

FOUNDER, HAWAII CORROSION RESEARCH LAB, UH MĀNOA

ASSOCIATE PROFESSOR, MECHANICAL ENGINEERING, UH MĀNOA

## Atul Tiwari

ASSOCIATE RESEARCH FACULTY, MECHANICAL ENGINEERING, UH MĀNOA

enabled a silicone-based coating to attach to the metal on a molecular level to prevent it from delaminating,” explains organic chemist and mechanical engineer Tiwari of the five-year research process beginning in 2004.

Granted a patent in 2011, the two researchers have since licensed SiloXel™ to Pantheon Enterprises, an Arizona-based developer of sustainable, non-toxic technologies for heavy industries.

SiloXel™ is amazing: anti-corrosive, UV light resistant, transparent, flame retardant, anti-fouling (barnacles can’t adhere to it), and so thin (1/10th the width of human hair) that it’s lightweight, but strong for aircraft.

PHOTO: OLIVIER KONING

“I brushed the coating on metal items at my home, out of curiosity, including my mailbox,” recalls Lloyd Hihara (BS ’83 mechanical engineering Mānoa) who lives in cool, rainy Mililani Mauka. He knew he had something when the mailbox rusted except for the part coated with SiloXel™. The Pearl City native, with a PhD from MIT in material sciences and a keen interest in corrosion, knew the timing was right for this new anti-corrosive coating for the \$100 billion global aluminum market to replace the currently effective, but carcinogenic treatment. In Atul Tiwari, who held several patents in polymers and silicones, Hihara had found a research partner to develop the chemistry to invent SiloXel™.

“We ended up creating a ‘unique chemistry’ that

“I really love this work. It’s challenging and produces benefits for every industry. Hawai‘i is a perfect place to develop such a product with diverse climate zones in a small region,” says Hihara who founded the Hawai‘i Corrosion Research Lab at UH Mānoa, one of the nation’s best-equipped facilities to test new materials and coatings against the elements. He has garnered a total of nearly \$13.5 million since 1999 in corrosive research funding from the U.S. Army, Northrop Grumman and other public and private sources.

“We expect to see SiloXel™ commercially marketed in the next few months with all military branches, ship builders and aircraft manufacturers among its major users worldwide,” says Tiwari. Consider your lawn furniture: He anticipates a mass market version in the near future.

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A I O H A W A I I . C O M

# DOCTORS, LAWYERS AND CHEFS ... OH MY!

# 100,000

Estimated hours of community service contributed annually by UH Mānoa nursing students at health fairs, health education events and for nonprofit health care support.

UH Mānoa School of Nursing and Dental Hygiene



# 118

Number of foreign countries where UH alumni (101,281) currently reside worldwide, a 4 percent increase over 2012.

University of Hawai'i Alumni Association (UHAA)

# 235



UNIVERSITY of HAWAII  
**KAPI'OLANI**  
COMMUNITY COLLEGE

Estimated number of executive chefs, sous chefs, patisserie chefs and pantry chefs in Hawai'i restaurants who are graduates of Kapi'olani Community College's Culinary Arts program.

Kapi'olani Community College

# 78



Percent of Hawai'i's 2013 Best Doctors (331 of 421) who are alumni and/or faculty of John A. Burns School of Medicine.

UH Mānoa John A. Burns School of Medicine

# 29

Percent of the 7,598 licensed member lawyers—nearly one-third—of the Hawai'i State Bar Association are graduates of the William S. Richardson School of Law.

Hawai'i State Bar Association





# Saving Animals' Lives

Windward CC program equips students with skills, knowledge

By Suzanne Roig

**T**he Windward Community College Veterinarian Technology program is all about making a trained workforce to elevate the standard of care at animal shelters, lab animal facilities and at private vet offices with its new two-year accredited program.

With skills they gain at WCC, students are equipped with the knowledge to conduct physical exams, obtain patient histories, communicate with pet owners and other veterinary staff, administer medications and perform lab tests, among other duties.

Graduates such as Jena Azura and Daniel Miyamoto say they feel prepared by the program that gave them industry-recognized credentials that they can take to veterinarian offices here and on the Mainland.

## Graduating with Confidence

**Daniel Miyamoto** always wanted to work with animals, even though there was a brief time when he thought he was more interested in Asian studies.

As one of four students of the first graduating class at Windward Community College's Veterinarian Technology program, Miyamoto is sure as any man can be about his career choice.

"Programs like the Veterinary Assisting/Veterinary Technician open exciting opportunities to experience something new and different," said



Miyamoto, 24. "I have never been more satisfied with my experience in the program; I have learned so much, met so many great students and teachers, and watched my dreams and aspirations come to fruition."

Miyamoto is already working at a local veterinarian's office. He said he feels comfortable with his duties because of the hands-on experience he received while a student.

## Primed for the Workplace

**Jena Azura** says her second career will be better than her first. A member of the first graduating class of Veterinarian Technology students from Windward Community College, the 27-year-old Azura says she graduated and now is ready to work.



"It's been such an amazing journey," she says. "I learned so much in animal care and nursing. I learned more about my self and how it takes a certain person to do this kind of work."

The key take-away from the program was that she got out of it what she put into it, says Azura, who had worked as a licensed massage therapist for many years previously, but had always wanted to achieve an associate's degree.

"This is truly an amazing program," she says. "If you put the time and effort in you will become a great technician saving animals' lives and helping to educate their owners."

*"This is truly an amazing program. If you put the time and effort in you will become a great technician saving animals' lives and helping to educate their owners."*

– JENA AZURA



Members of UH Hilo's Imagine Cup team were, from left, Ryder Donahue, Mike Purvis, Wallace Hamada and Kayton Sommers.

# Team Poli‘ahu Goes Global with App

22

Fall 2013

Innovative concept shines light on computer science program

**F**our University of Hawai‘i at Hilo students represented their school, state and country in July at one of the most premiere global showdowns of student technology and innovation—Microsoft’s Imagine Cup.

Team Poli‘ahu—consisting of Mike Purvis, Kayton Summers, Wallace Hamada, and Ryder Donahue—quickly rose through the ranks of regional competitions before winning the title of United States champions and competing globally in St. Petersburg, Russia against 85 other student teams representing 69 countries.

The adventure began in November 2012 at a regional



Microsoft competition with a mobile application that monitored invasive species near Mauna Kea. The team scored a win and encouragement to expand



*“It opened our eyes to real-world business and entrepreneurial concepts.”*

—Kayton Summers

the scope of their product. The quartet worked furiously to develop and unveil Help Me Help—an app to connect emergency personnel to nearby disaster situations. The new concept won them the national finals and shined the spotlight on UH’s computer science program.

“This is really putting us on the map for Microsoft and providing future opportunities for our students to go on and succeed,” says Dr. H. Keith Edwards, associate professor of the Computer Science Department at Hilo and mentor to Team Poli’ahu. “And that’s exactly what you’re after as a professor. You want to get your students to succeed and get to a point of being better than you ... because you want their future to look brighter.”

Edwards acknowledges that a strong program combined with a department that organically grows group cohesion—class sizes are small and students really get to know the faculty throughout their program—allowed for the group to quickly gel and collaborate. “Imagine Cup focuses on innovation,



Team Poli’ahu was lauded internationally and at home for its success in the Microsoft Imagine Cup competition.

which plays to the strength of our students,” Edward says proudly. “Plus, we have a great team that is really interested in the product.”

While the team isn’t bringing home a trophy from Russia, it definitely has had a winning experience as the reigning U.S. champions.

“It opened our eyes to real-world business and entrepreneurial concepts,” wrote team member Kayton Summers while still in Russia. “Microsoft took us to various startups, including Yelp and Flixster, and provided us with the opportunity to learn more about the business aspects of software companies. No, we didn’t win the global competition, but we were given a great experience and will only be moving forward from here.”

— Tara Zirker



Karen Gay checks a design during a class in the Fashion Technology program at Honolulu CC.

# Nurturing the Future of Fashion

Student designers find success

Inside a non-descript building on the Honolulu Community College campus is a place where dreams are made, one stitch at a time.

This is the home of the Fashion Technology Program, a two-year program that often stretches out to four years because most of the students want to take all the electives offered, says Joy Ann Nagaue, associate professor.

“At the end of the first year the students are appreciative of what they can do,” says Nagaue, who has been teaching for 30 years. “We take them





Instructor Lillian Zane goes over design plans with student Angelique Hansen.

---

*“We take them where they are at and help them reach their goal. There is a whole range of students in our program.”*

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where they are at and help them reach their goal. There is a whole range of students in our program ”

Over the years many fine fashion designers have come out of the program, said Nagaue. Two graduates were on the reality TV show “Project Runway”—Ari South, and Jay Sario—and another graduate is marketing her own line of clothes, Daneen Lunn of Manuheali’i fashions.

“There is a whole range of students in our program,” Nagaue says. “Only a few of them become designers, but there are so many other jobs in the fashion industry for most people. “

Each May the school holds a fashion show as a way to showcase the students’ achievements and taps into other programs, like cosmetology and construction as well, she says.

“We’ve had good success,” Nagaue says. “The students get a lot of out of it.”

South took that lesson all the way to the bank with the fame gained from exposure on the popular TV show.



Joy Ann Nagaue works with student Jeserey Carpenter.

She now sells fashion under her own label, Andy South. But her success, she says, is because of her strong foundation from the HCC program.

“All the instructors are like maternal figures,” South says. “When I was there, I asked questions and my instructors were always willing to help me.

“The family at the Fashion Technology Program taught me how to nurture young talent so that the industry would only become stronger after my time is through.”

— Suzanne Roig

# A Recipe for Culinary Success

Hawai'i CC programs have evolved into a popular cooking experience

Think of it as a perfect recipe. Hawai'i Community College's two culinary arts programs provide a steady source of highly trained chefs for the 13 world-class restaurants in the community.

The relationship works well for both as the schools test out their students and the restaurants help shape future chefs. Since the 1950s when the schools began, the two programs (the Hilo campus has about 115 students and the Kona campus has 33) cooked up some notable chefs: Royden Ellamar of the popular "Chopped" TV series and Steven Ariel of the Seattle eatery Trace.

"Our students are proven workers," says James Lightner, chair of Hawai'i CC's hospitality division. "They show up on time. They come with a positive attitude and they want to continue learning."

At the root of all their cooking experiences is the use of what is fresh and available from the Hawai'i Island farms and emphasizing the farm-to-table movement.

"We want them to have a basic understanding of healthy cooking, using local products and to be able to make nutritious menus," Lightner says. "We're lucky here on the Big Island that we have so many



Hawai'i Community College offers its popular culinary programs at both its Hilo and Kona campuses.



Renderings of Hawai'i Community College's new home on the Pālanuani campus for the culinary program.

local produce growers. It's not like 'Iron Chef.' ”

Starting next year the Kona campus will move to permanent facilities after being located in a Kona shopping center since 1988. A public-private partnership is enabling the construction of a new culinary school on the Kona side of Hawai'i Island. The new building will be built to LEED Platinum standards, the highest certification of green building, and be done in 2015.

“What I got out of it was the basics,” says new graduate **Sam Varron Jr.**, now a chef at a restaurant in the Fairmont Orchid Hotel. “My education taught me that it's not important what school you go to, but what you get out of it. The instructors taught me about being humble.”

— Suzanne Roig



*In February, the 38-year-old Hilo native won a competition against three other chefs on the Food Network program “Chopped.”*

**Chef Royden Ellamar** honed his culinary calling in a commercial kitchen on the Hawai'i Community College campus in Hilo and turned his desire into a career. In February, the 38-year-old Hilo native won a competition against three other chefs on the Food Network program “Chopped.”

And though been it's 20 years since his days at Hawai'i CC, and he's now thousands of miles away in Las Vegas, where he is executive chef at the famed Bellagio Hotel, Ellamar still practices the most important lessons he learned at the college's culinary arts program.

Cook what's in season. And know where your food comes from. It was that tidbit that helped him win a challenge on “Chopped.”

“It is 118 degrees outside, but we're touring the farm where the tomatoes, herbs and lettuce are grown,” Ellamar says. “Growing up, we always knew where our food came from and it's important as a chef for me to learn where food comes from. That's ingrained in what I do.”



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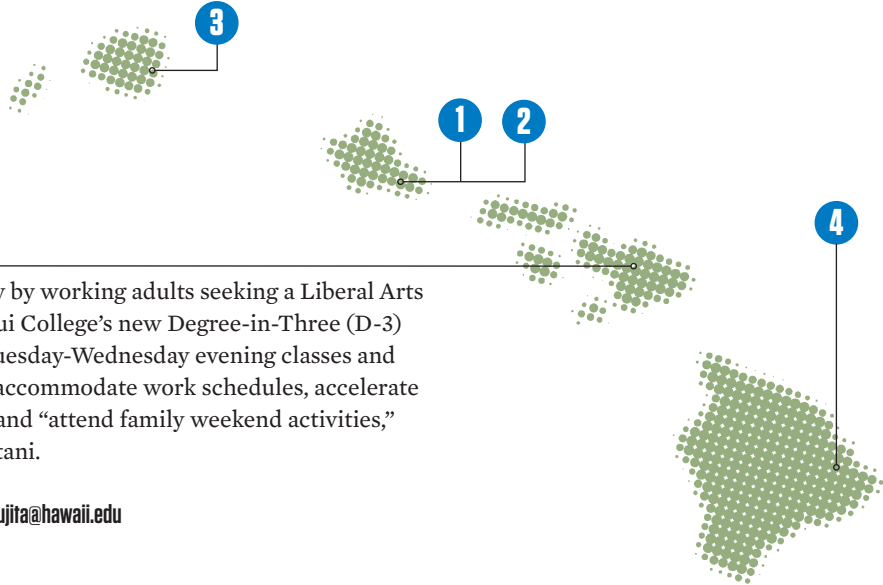
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# 21



Number of credits earned annually by working adults seeking a Liberal Arts Associate Degree through UH Maui College’s new Degree-in-Three (D-3) Program, launching in fall 2013. Tuesday-Wednesday evening classes and online courses enable students to accommodate work schedules, accelerate degree completion in three years, and “attend family weekend activities,” says UHMC Counselor Linda Fujitani.

Information: Linda Fujitani (808) 984-3226 or lkfujita@hawaii.edu

## 1 MĀNOA

*“NASA engineers are amazingly smart, hard-working, nerdy, friendly people.”*



**Scott Rowland** - UH geologist (PhD '87) on working with NASA as a member of a select camera team analyzing data sent from the surface of Mars by NASA rover Curiosity, a two-year \$2.5 billion space mission. The latest, largest and most advanced of three NASA Mars rovers is capable of sending unprecedented

data on the climate and geology of the planet. Rowland, a specialist in volcanology, is helping make sense of Mars’ geological conditions, including any signs of long-sought-after past microbial life. Environmental radiation data captured is also helping determine shielding needed for when people travel to Mars.

For more information: <http://www.hawaii.edu/news/2012/08/10/manoa-geologist-part-of-mars-rover-team-and-more-in-the-news/>



## 4 HILO

### GROWING MUSHROOMS



Hamakua Mushroom Farm owner Bob Stanga featured his company’s special Ali’i mushroom on the inaugural Hawai’i Island Alumni EDVentures program in June. Some 30 alumni representing seven UH campuses enjoyed the “Earth”-themed event, one of three EDVentures theme programs (others are “Sea” and “Sky”). “We have so many wonderful programs and enterprises happening in our own backyard, why not offer an insider’s view and take people behind the scenes?” says Nico Leilani Verissimo, director of alumni engagement, Hawai’i Island.

## 2 MĀNOA

### CHANGING THE WORLD, ONE OCEAN AT A TIME

David Karl, winner of a 2013 Alexander Agassiz Medal from the National Academy of Sciences, oceanography's Nobel Prize equivalent, credits marine microbes you can't see for the latest, prestigious honor in a pioneering career. His 25-year (and ongoing) Hawaii Ocean Time deep water observation program has produced cumulative data that helped "rewrite what we know of ocean dynamics, climate change and the effect of manmade threats." More recently applying human genome methodology, "we have essentially sequenced the ocean genome and discovered some of its enormous diversity and capacity to change as the earth changes," says Karl, director of Daniel K. Inouye Center for Microbial Oceanography (C-MORE), who first saw an ocean at age 17.

Dr. Karl and Dr. Edward DeLong, another UH Manoa professor, received individual grants totalling \$4.2 million from the Gordon and Betty Moore Foundation to study marine microbial ecology. With much more to know about the ocean, he "wants to pass on oceans to next generations that are healthy and life-giving."



## 3 KAUA'I

### LONG-TERM COMMITMENT TO SUSTAINABILITY



From left to right: Kaua'i Representative - **Kaulana Finn**; Ho'ouluwehi Director - **Eric Knutzen**; Kaua'i CC Chancellor - **Helen Cox**; Special Assistant to the Housing Director for County of Kaua'i - **Imai Aiu**; Governor Abercrombie Kaua'i Representative - **Wanda Shibata**

Converting recycled 40-foot high top containers to affordable and sustainable housing helped garner Kaua'i Community College one of 10 2013 Climate Leadership

Awards nationwide. The annual award is presented to signatory institutions of the American College & University Presidents' Climate Commitment (ACUPCC) by the national nonprofit Second Nature for demonstrated commitment to sustainability in the classroom and in operation.

The award cited "the uniqueness of...the methods being used to realize (Kaua'i CC's) goals" through Ho'ouluwehi - The Sustainable Living Institute of Kaua'i, launched by Chancellor Helen Cox. Also cited was the Institute's 2012 partnership with the County of Kaua'i and the state's Department of Hawaiian Homelands.

Kaua'i CC students are currently building on campus a sustainable prototype container home for eventual homes at the Ho'ouluwehi Center at Ka'apuni, a 17-acre state parcel allocated by Mayor Bernard Carvalho and earmarked for sustainability, to feature aquaponics, an apiary, raised-bed agriculture production, vertical wind turbines and integrated PV (photovoltaic) roofing systems.

# 5 THINGS UH ALUMNI KNOW ABOUT... ALTERNATIVE ENERGY



## Water Energy Powers Hamakua Springs Farm

Using a 150-foot elevation drop on his Hawai'i Island farmland in Pepeekeo to unleash the energy of moving waters from Mauna Kea's uplands, Richard Ha (BBA, Shidler College of Business UHM, '73) of Hamakua Springs Farm spins the turbines on his own hydroelectric system to run the farm's packing houses. The innovative second generation farmer, committed to food safety and security, now generates twice the amount of electricity his farm can use. What's next? How to use the excess electricity to create ammonia to develop fertilizer.

## First Wind Spreads the Word About Hawai'i's Clean Energy

During the last three years as director of external relations for First Wind, Kekoa Kaluhiwa (MA Public Administration, UH Mānoa '08) experienced "an exciting opportunity to help Hawai'i residents understand the need for local, clean energy." The wind energy company had built three major utility scale wind projects, totaling 120 megawatts of capacity, which made it today Hawai'i's largest single renewable energy provider. Kaluhiwa also "helped First Wind understand the cultural and environmental sensitivities that make doing business in Hawai'i challenging."

The former aide to U.S. Senator Daniel Akaka came to realize that, in addition to the

expertise of attorneys, engineers and project developers in the energy arena, alternative energy providers need to be able to "foster community dialogue with compassion and a sense of place of Hawai'i." Today, he brings that philosophy to his new public relations company, Kuano'o Communications, which had First Wind as one of its first clients.

**For more information:**  
[kekoa.kaluhiwa@gmail.com](mailto:kekoa.kaluhiwa@gmail.com)  
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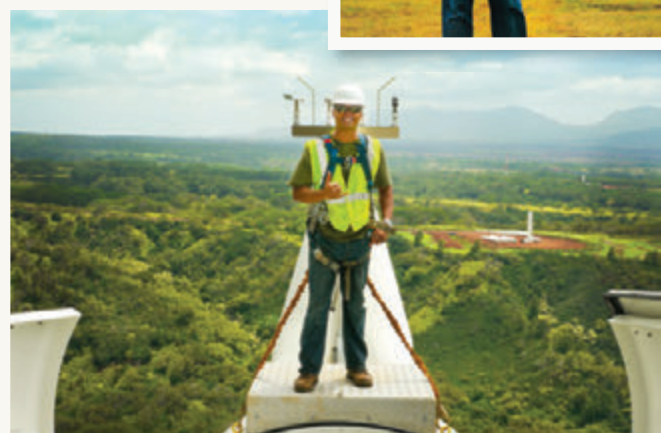


PHOTO CREDIT: PHOTO COURTESY FIRST WIND ENERGY

## Seawater Cools Honolulu High-Rise Buildings

Seeking a change in his career as an engineer, Scott Higa returned to college and focused his graduate work on the emerging area of ocean thermal energy conversion. Higa (MS, ocean and resources engineering, UHM '05) now is engineering project manager with Honolulu Seawater Air Conditioning (HSWAC), developer of Honolulu's 25,000-ton seawater air-conditioning district cooling system. It is the world's first thermal energy-efficient project to cool a warm-weather city center.

Joining HSWAC, Higa says, was all about "timing"—being in the right place at the right time. He says he landed an internship there, which led to his current job. HSWAC, he explains, had selected downtown Honolulu for its close access to deep, cold seawater to be used to directly cool its high-rise buildings. With air conditioning the largest single electricity cost for a typical office building, HSWAC can reduce electric-energy consumption about 70 percent.



"HSWAC will be one of the largest energy-efficient projects in Hawai'i," says Higa, who oversees consultants and a staff of four—with three also UH graduates. "It's an opportunity for Hawai'i to be a real model in sustainable use of natural resources."

For more information on HSWAC:  
<http://honoluluswac.com>



## Hokule'a and Hikimalia Will Use the Wind and Sun to Travel the World



Estimated nautical miles to be traveled around the world by Hokule'a and Hikimalia, its sister support canoe, on their 2014–2017 World Wide Voyage, "Malama Honua" (Care for the Earth) a distance equivalent to circling the earth more than twice. Home-based at Honolulu Community College's Marine Education & Training Center on Sand Island, the canoes will use renewable energy, such as wind and solar, as much as possible on the WWV mission to serve as a catalyst for sustainable practices for food, energy and our ocean environment.

Source: [www.hokulea.org](http://www.hokulea.org)

## Intermittent Energy Goes to the Grid



"Stakeholder interest and bold public policy have resulted in Hawai'i having the most aggressive clean energy goals in the nation," says Leon Roose, a specialist in the integration and analysis of energy technologies and power systems with the Hawai'i Natural Energy Institute (HNEI), a UH Mānoa research and development unit focusing on Hawai'i's renewable energy resources. But how do we integrate the increasingly large amounts of renewable, but intermittent energy (like solar and wind) generated into each island's power grids?

In partnership with U.S. Energy and Japanese clean energy experts, including Hitachi, three HNEI smart grid Research, Test, and Evaluation (RT&E) projects are underway on Maui, whose power system has a high penetration of intermittent renewable energy. The projects are real-life on a live electric grid—in collaboration with Maui Electric—and when combined, form the making of a Maui "smart grid," says Roose (JD '93, Richardson School of Law; BS, electrical engineering '88, Mānoa).

For information HNEI: [www.hnei.hawaii.edu](http://www.hnei.hawaii.edu)





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Shidler College of Business alumni and friends enjoyed an evening of networking at Tsunami Hawaii in April. Students had the chance to network and gain invaluable tips from Shidler alums in the workforce. Food was served up by former Alan Wong's chef Wade Ueoka.

September 20

**CASAA 9th Annual Wine Pairing Dinner**  
Kapi'olani Community College, Honolulu

September 27

**WSRSLAA 10th All Class Reunion**  
Hale Koa Hotel, Honolulu

October 11

**Rainbow Warrior Bash**  
California Hotel ('Ohana Room), Las Vegas

October 11

**UH Letterwinners Club Golf Tournament**  
Desert Pines Golf Course, Las Vegas

October 12

**UNLV Football Tailgate**  
Main Street Station Parking Lot, Las Vegas

October 17

**Shidler Hall of Honor Awards**  
Sheraton Waikiki Hotel, Honolulu

October 25

**Meet Up! UH Alumni Mixer**  
M Nightclub, Honolulu

October 26

**UH Hilo Alumni & Friends 10th Annual Scholarship Golf Tournament**  
Waikoloa Beach Course, Waikoloa

November 8

**EAAUH 2013 Holmescoming**  
Holmes Hall, UH Mānoa, Honolulu

November 8

**Rainbow Warrior Bash**  
Washington, D.C.

November 9

**Navy Football Tailgate**  
NMC Memorial Stadium (Water Tower Tailgating Area), Annapolis, Md.

November 21

**KCCAFA Harvest Dinner**  
Honolulu

December 21

**Letterwinners Graduation Reception for Student-Athletes**  
Letterwinners Clubhouse, UH Mānoa, Honolulu

February 22

**UH Hilo Distinguished Alumni & Service Awards Banquet**  
UH Hilo Campus Center Dining Hall, Hilo

FOR ADDITIONAL  
INFORMATION ON  
ALUMNI EVENTS

go online at

[UHalumni.org/events](http://UHalumni.org/events)

## ALUMNI GATHERINGS



### HAWAI'I ISLAND ALUMNI EDVENTURES

The Hawai'i Island Alumni EDventures program held a two-day gathering in June at the historic plantation estate, the Wainaku Center. The program, a partnership with the UH Hilo Conference Center and the UH Foundation Office of Alumni Engagement, was attended by 30 alumni and friends with UH Hilo Biology Professor Emeritus and world-renowned mycologist Dr. Don Hemmes '70.

### SHIDLER DINE AROUND 2013

The Shidler College of Business Alumni Association treated its members and guests to signature dishes from three restaurants during its Dine Around at the Royal Hawaiian Center in June. The festivities got underway at the Five-O Bar as attendees were organized into round-robin groups.



The Dine Around consisted of dishes from P.F. Chang's China Bistro, Il Lupino, and Wolfgang's Steakhouse. The night concluded with desserts and coffee provided by Island Vintage Coffee.

## ALUMNI GATHERINGS



### SHIDLER WASHINGTON ALUMNI NETWORKING RECEPTION

The Shidler College of Business held its gathering at the Columbia Tower Club in Seattle and attracted many alumni and friends, such as, from left, Mason Choy '13, Michelle Chun '12, Chris Erice '10 and Malu Chang.

Among the alumni at the August Seattle event were, from left, Sonja Nordmark '06, Tracie Jacinto '05, Sean Lee '98 and Janet Leister '87.



### LAW SCHOOL ALUMNI FOOD AND WINE EXTRAVAGANZA

Attending the annual meeting and wine tasting in June were, from left, William S. Richardson School of Law Associate Dean of Student Services Ronette "Ronnie" Kawakami '85, Law School Alumni Association President Jill Nunokawa '88 and Dona Hanaike '79.



Photo: Sean Nakamura

### DISTINGUISHED ALUMNI AWARDS

The annual UHAA Distinguished Alumni Awards in May paid tribute to alumni who have made outstanding contributions to their professions and community, committed themselves to advancing the values and goals of the University of Hawai'i and ensuring improvement in the quality of life for future generations. The 2013 honorees were Edwin Gayagas (BE '62 Mānoa), Alden Henderson (BS '77, MPH '82 Mānoa), Patrick Sullivan (MS '81, PhD '85 Mānoa), Barbara Tanabe (MBA '82 Mānoa) and David Ezra JD, who attended UH.

### COLLEGE OF EDUCATION

The College of Education Alumni Association held its annual general membership meeting in June at The Willows. Along with tasty food, awards were presented and there was a silent auction. Guest speakers included Linda Coble (center).



### COLLEGE OF ENGINEERING BANQUET

The University of Hawai'i at Mānoa College of Engineering held its 13th Annual Engineering Banquet in April, treating guests to student exhibits, delicious food and a special presentation from the SAE Formula Racing Car project team. Ken Hayashida '83 and Glenn Nohara '73 were the recipients of the Distinguished Alumni award, and Galen Ho received the Outstanding Service award.

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**Nathan Kam**

**Nathan Kam** (BA '99 Mānoa) has been promoted to executive vice president at McNeil Wilson Communications (MWC), Hawai'i's largest public relations firm and a division of Anthology Marketing Group.

"For the past 13 years, I've have had the great fortune of working along side a skilled group of talented professionals and helping some of Hawai'i's most sophisticated clients develop their communications strategies," Kam said. "I'm humbled and excited to have an opportunity to make a greater contribution to the company and continue to provide the best strategic thinking and solutions to our client partners."

Kam heads up the firm's representation of the Hawai'i Visitors and Convention Bureau (HVCB) and the Big Island Visitors Bureau (BIVB) accounts and oversees MWC's internship program. He has served as president of the Hawai'i Chapter of the Public Relations Society of America (PRSA) and was recently elected to the PRSA National Travel & Tourism Section's board of directors. He also sits on the advisory board of the Kapi'olani Community College Business Marketing Management Program.

**Elyse Petersen** (MBA '12 Mānoa) is a Global Tea Ambassador with the International Tea Farms Alliance and her work has taken her to tea farms in Wazuka, Kyoto, Japan. As founder and CEO of Tealet Corp. in Honolulu, she helps develop international connections in food security,



**Elyse Petersen**

natural resource management and sustainable operations.

Petersen graduated from Shidler College of Business with a Japan-focused MBA, and from California State Polytechnic University, Pomona with a BS in Food Science and Technology. At Shidler she served as communication officer for the Solar Decathlon.

"UH was the launching pad for my entrepreneurial career," she says. "My experience with interdisciplinary projects such as the Solar Decathlon gave me the confidence that I can build a movement and organization around solving big problems."

Petersen also served as a Peace Corps volunteer in Niger, West Africa and Antigua and Barbuda, Eastern Caribbean.

**Doug Shimokawa** (MBA '11 Mānoa) has joined Business Solution Technologies (BST), a Hawai'i-based human resources and information technology consulting firm founded in 1996, as a consultant and will lead systems development projects.

"Doug's background in working on high-profile projects for the Department of Defense (DOD), and his technical, project management and operational expertise and perspective rounds out our BST team well," said John Weldon, president of BST. "His sincere desire to support Hawai'i's growth through his technical and volunteer efforts speaks to the type of team members we have been fortunate to retain."

Prior to joining BST, Shimokawa was a senior software engineer at Lockheed



**Doug Shimokawa**

Martin in Sunnyvale, Calif., and Hawai'i where he designed, developed and tested software for the DOD. He also worked as a software engineer for locally-based Pukoa Scientific.

**Toby Tamaye** (BBA '95 Mānoa), president of AT Marketing, is one of the top event promoters in Honolulu with his unique background of local media, tourism media and social media marketing experience. His firm in August celebrated its 12th year.

"Doing business in Hawai'i and being successful has a lot to do with who you know," Tamaye says. "I have a strong network of contacts from the school. Also, the College of Business has an amazing alumni network and events, where I have continuously interacted with others in the business field during my marketing career."

Tamaye is a past recipient of the Pacific Business News "Forty Under 40." He has been creating new partnerships to reach visitors from Korea, China and Taiwan.

**Dr. Abdul**

**Rashid** (MS '86 Mānoa) of the Pakistan Academy of Sciences, Islamabad, is the 2013 laureate of the IFA Norman Borlaug Award. Honored for excellence in crop nutrition research, he is the 21st recipient of the award given by the International Fertilizer Industry Association. Rashid is a Distinguished Alumnus of the East-West Center and studied at Pakistan's University of Agriculture. He also has worked with the Pakistan



**Toby Tamaye**

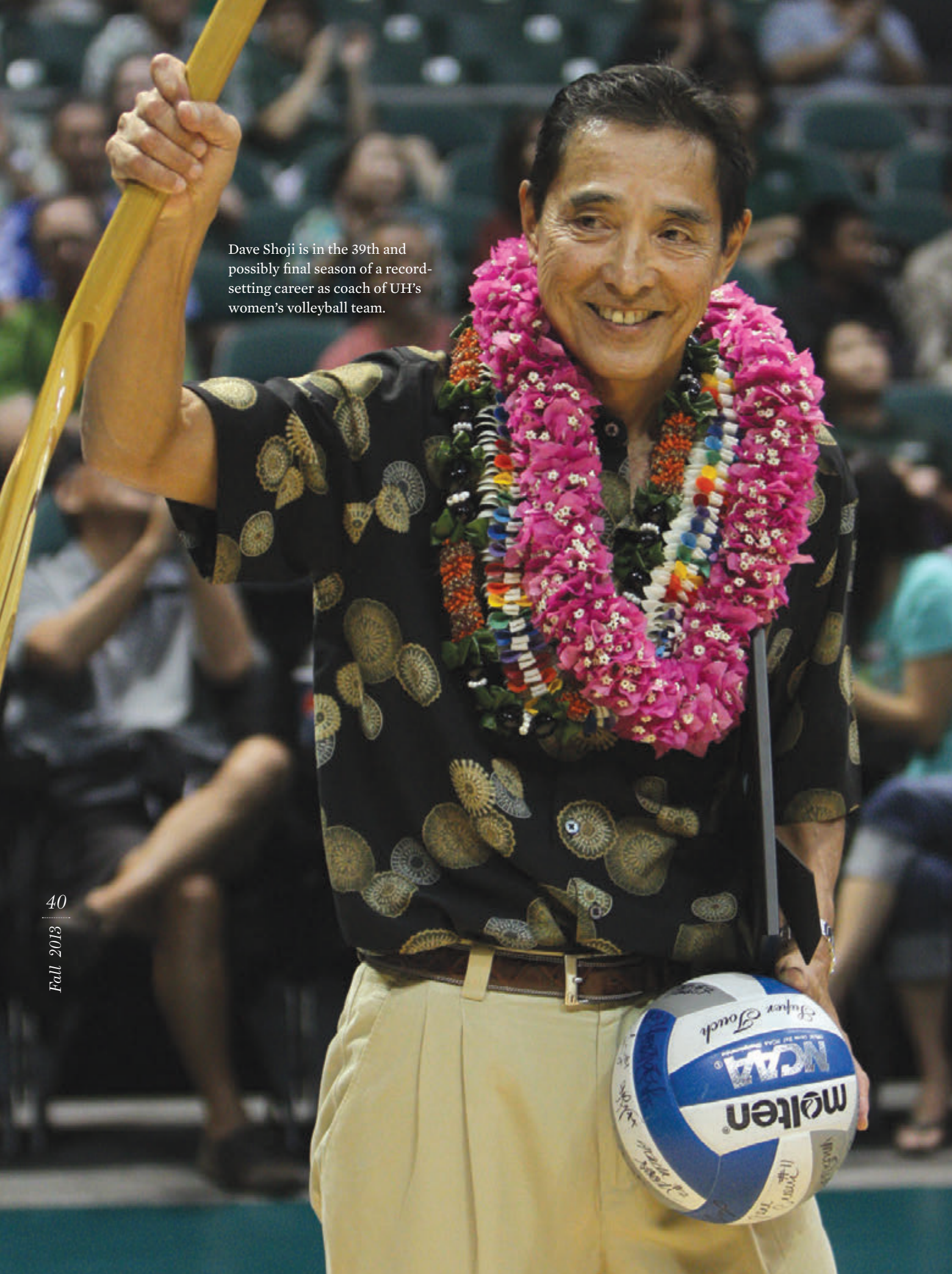
Agricultural Research Council and the Pakistan Atomic Energy Commission.

**Mark Tagawa** (BARCH '93 Mānoa) was promoted to Senior Associate at the Los Angeles office of the architecture and design firm Perkins+Will. His projects include the Livable Health City Design Competition, King Saud Bin Abdulaziz University Health Sciences Campus, National Guard Health Affairs Specialized Children's Hospital and Maui Land and Pineapple Co. corporate offices.

**Monique Wedderburn**, (MBA '03 Mānoa) has been selected Vice President Publications in the Texas Lyceum, a nonprofit organization focused on identifying the next generation of Texas leaders.

**Dr. Frederick Clarke Munchmeyer**, a professor and department chair at the University of Hawai'i and at the University of New Orleans in Naval Architecture and Marine Engineering, passed away on Jan. 29, 2013. Born on March 26, 1922, in Washington D.C., he graduated from the U.S. Coast Guard Academy in 1943 and served as a warship captain for the Coast Guard in WWII.

Services were held on March 8 for **Dr. Willis Fong**, (BS '41 Mānoa) a physician in the Seattle area for more than 40 years. The UH grad also attended Temple University where he earned his medical degree. He served as a physician in the U.S. Army in WWII in Nanking, China, where he once attended to Gen. Chiang Kai Shek.



Dave Shoji is in the 39th and possibly final season of a record-setting career as coach of UH's women's volleyball team.



# Reflecting on a Legend

Rainbow Wahine coach followed his 'vision'

By Mary Vorsino

**T**he man who transformed the University of Hawai'i women's volleyball from a little-known program to a national powerhouse has hinted he might be ready to hand over the reins.

Head coach Dave Shoji, 66, committed to the upcoming women's volleyball season—his 39th leading the Rainbow Wahine. But beyond that? He hasn't decided yet.

"I just feel fortunate to have been in this position for so long. I've had great players, great coaches, great support," Shoji says.

He adds that while there's "no timeline" for his departure, "it's definitely winding down."

"I want to leave the program on a solid foundation," he says. "And I think I need something concrete in my retirement to do."

Shoji, after all, isn't the sitting around type. If he does leave at the end of the 2013 season, it would no doubt be on an incredible high: This fall, he will overtake retired UCLA's Andy Banachowski as the winningest Division 1 women's volleyball coach in history.

Last year, the Rainbow Wahine advanced to the NCAA Tournament for the 31st time in the program's history.

The possibility of Shoji's impending retirement has people reflecting on Shoji's career and wondering who could possibly fill his shoes.

**1975**

1st win at UH:  
10/29/75  
at UC Riverside

**1979**

1st of 4  
national titles:  
12/8/79  
vs. Utah State

**1992**

500th win: 9/3/92  
vs. Houston  
(season opener)

**2009**

1,000th win:  
10/17/09  
Only second  
coach in history to  
accomplish this



Mahina Eleneki Hugo

Mahina Eleneki Hugo, head of school at La Pietra in Diamond Head, played under Shoji from 1984 to 1987 and says what makes Shoji a winning coach is his attention to detail. She says Shoji runs a tight ship, and expects his players to be disciplined, and to put in the time necessary to

work together as a team.

“Each member has to pull their weight,” Hugo says.

Shoji’s success over the years has earned him near rock star status in Hawai‘i and his program a loyal following. But Hugo says the fans don’t just come out to see the team win, they come to catch up with friends and cheer on players like they’re members of the family.

Volleyball, she says, “has been able to bring a community together.”

Marilyn Moniz-Kaho‘ohanohano, assistant athletic director at UH, played volleyball from 1972 to 1975. Shoji started as head coach in her senior year. Moniz-Kaho‘ohanohano says she is always struck by Shoji’s undying interest in growing and learning as a coach.

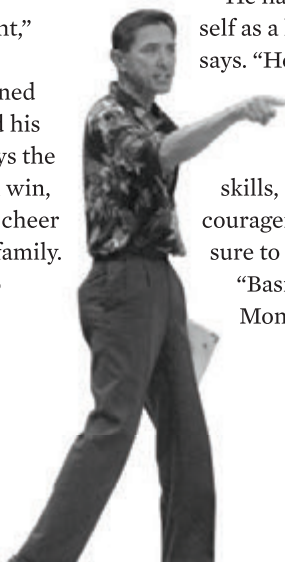


Marilyn Moniz-Kaho‘ohanohano

“He has developed himself as a head coach over four decades,” she says. “He’s got that vision as a coach. That’s his greatest strength.”

He also knows what to give his players as they work to improve their skills, sometimes offering support and encouragement, other times showing his displeasure to push them to do better, she says.

“Basically, he was our team mom,” quips Moniz-Kaho‘ohanohano.



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Throughout his legendary coaching career, Dave Shoji has amassed numerous championships and titles for UH.



*“We are well aware of what the program means to the community, but we never take it for granted.”*

**—Dave Shoji**



While Shoji isn't yet saying whether he'll stay around to 2014, he is clear about this: For now, he's concentrating on the present.

The women's volleyball team, with seven returning seniors, began practice on Aug. 10 to gear up for the season opener against defending national champion Texas on Aug. 30.

“We are well aware of what the program means to the community, but we never take it for granted,” Shoji says. “I'm excited to start the season.”



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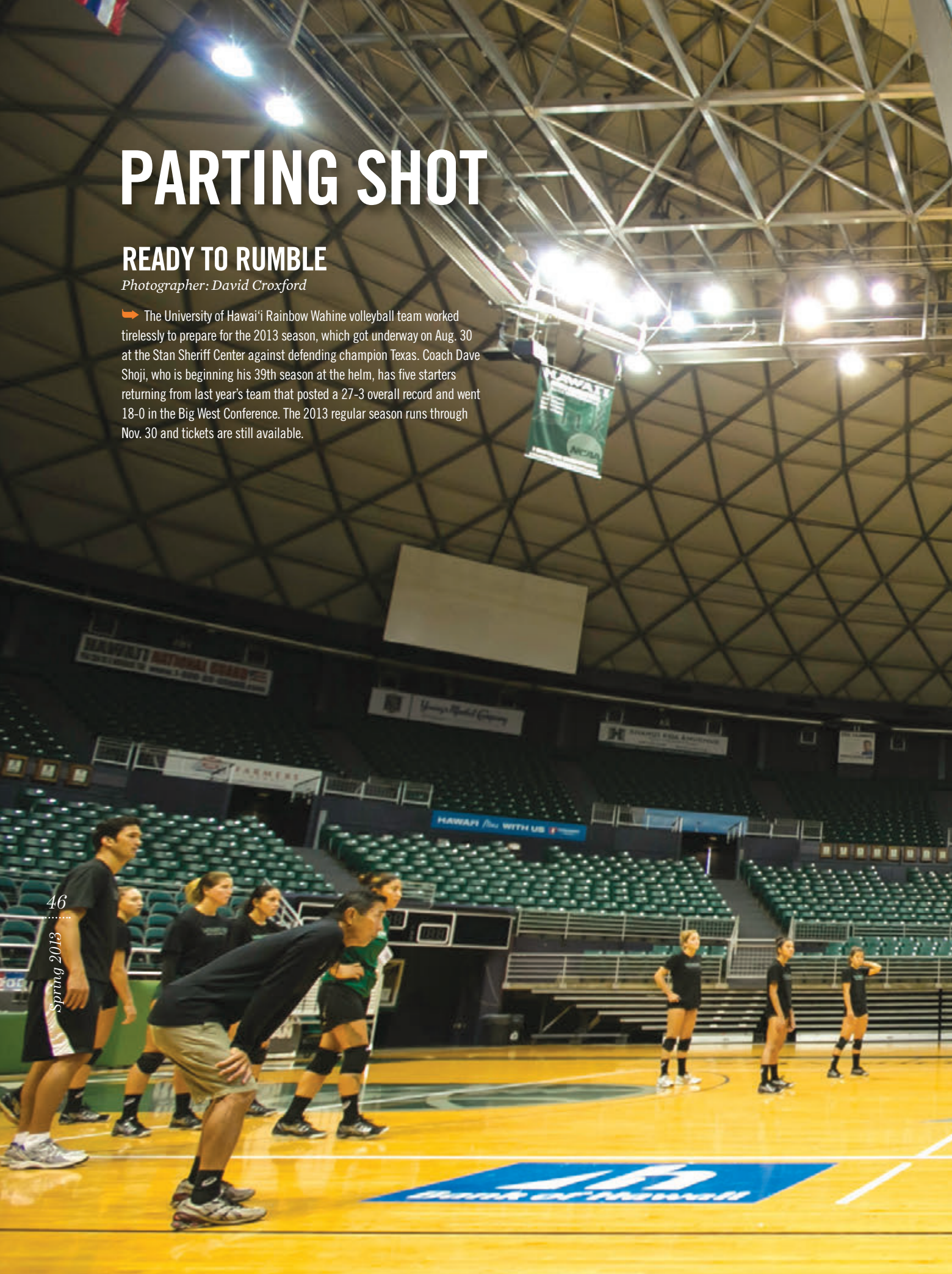
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# PARTING SHOT

## READY TO RUMBLE

*Photographer: David Croxford*

➤ The University of Hawai'i Rainbow Wahine volleyball team worked tirelessly to prepare for the 2013 season, which got underway on Aug. 30 at the Stan Sheriff Center against defending champion Texas. Coach Dave Shoji, who is beginning his 39th season at the helm, has five starters returning from last year's team that posted a 27-3 overall record and went 18-0 in the Big West Conference. The 2013 regular season runs through Nov. 30 and tickets are still available.





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