

UH

FALL 2012

UNIVERSITY OF HAWAI'I

A MAGAZINE FOR ALUMNI AND FRIENDS

BALLOON HATS & UH SPIRIT

Gwen Nakamura
is a colorful fixture at
Wahine, Warriors events



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on membership numbers

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buying this season

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Construction across the UH System

BY THE NUMBERS

Facts & figures

Always driven.



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UH MAGAZINE IS PROVIDED
THANKS TO THE SUPPORT OF THESE
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ON THE COVER: Gwen Nakamura, assistant director of the UH Mānoa marching band, is known for bringing a colorful enthusiasm to Warrior and Wahine games. **Story, page 14.** Photo by Olivier Koning.



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ADDING VALUE FOR OUR MEMBERS

New UHAA President Patrick Oki (BBA '92 Mānoa), managing partner, PKF Pacific Hawaii, talks about big membership numbers and activities, and going cruising around the island.

How has your University of Hawai'i education impacted your career?

I'm forever grateful to the College of Business and the University of Hawai'i for giving me a great education that allowed me to have a job that I love to do. I was originally an electrical engineering major

at the College of Engineering. However, after joining some student business clubs, I decided to change my major to accounting. I was fortunate to have secured a full-time job with an international accounting firm before I graduated from UH.

UHAA has been undergoing some transformative changes. What's going on? As the new UHAA president how do you plan to keep things moving forward?

We now have the biggest member base ever—some 265,000—in UHAA's history, since we opened our membership to automatically include all alumni from any of the UH System's 10 campuses as basic level members. That's comparable to one-fourth of the state's population (though they don't all live in Hawai'i). We are working to add value for all our members by offering them the best discounts and benefits for products and services, while creating a significant new source of revenue—beyond membership dues—for UHAA and its chapters.

Another one of my goals as president is to find ways to better support our chapters financially and operationally. We know that alumni prefer to affiliate with their chapters to connect with classmates and colleagues, so we're making it easier for the chapters, run by volunteers, to have the resources and to focus their energy on events and activities to attract and involve members.

What are you looking forward to?

Having active, involved and committed UHAA members to build a strong university that contributes to strengthening our community.

What do you enjoy doing in your free time?

I enjoy spending time with my family during my free time. I also enjoy traveling and surfing the Internet as I'm always curious about learning new things. I'm a car enthusiast, and I like to go cruising around the island with other exotic car owners.

At age 42 in 2011, Oki became the youngest inductee to the UH Shidler College of Business Hall of Honor.

PHOTO: OLIVER KONING



Making a Difference

Cox keeps Kaua'i CC out front on sustainable living studies

When Helen Cox found herself in a stressful situation—long before she was appointed Kaua'i Community College chancellor—she would imagine Hanalei Pier. It was her calm place.

In her youth, Cox, now 60, spent summers with her grandparents on Kaua'i, mostly in Hanalei at the beach.

"Hanalei and Kaua'i have always been the center of my existence," says Cox, who grew up on O'ahu and was appointed chancellor of the Lihu'e campus in August 2008. Over the course of more than 25 years in higher education, primarily at Salt Lake Community College, the thought of returning to that calm place to live and work seemed far-fetched.

Four years into the job, Cox still finds it "unbelievable" that she is back on Kaua'i and in a position "where I can make a difference."

For Cox, sustainability has been a driving force behind many campus initiatives—renewable energy, agriculture and green building. In January, the college celebrated the grand opening of Ho'ouluwehi, or The Sustainable Living Institute of Kaua'i. The institute has facilities for aquaponics, a community garden, a lo'i, and renewable energy laboratories.

Plans are in the works to build an affordable home prototype so students are able to gain practical experience while also helping the community. Students will participate in all phases of construction from carpentry work to designing an aquaponic system for the home, Cox says.

While the Kaua'i campus is the smallest and most isolated in the University of Hawai'i System, it was the first campus to offer a photovoltaic installation and maintenance course, Cox says. The college is also out front in partnerships with county government as well as businesses and non-profits.

One such partnership has led to the breadfruit project. Students work with

"I am doing exactly what I'm supposed to do."

renowned scientists with the National Tropical Botanical Garden and Kaua'i CC faculty to monitor breadfruit trees and discover optimum growing conditions and uses for breadfruit, which is a gluten-free source of starch that has the potential to help end world hunger, Cox says. Four acres on campus are being cleared to plant breadfruit trees, she says.

The college also is working toward offering an associate degree in natural science in the fall of 2013, with emphasis on marine science, agriculture, pre-engineering and environmental science, Cox says.

"Everyone knows we do nursing and culinary," she says, "but we are developing new areas of excellence needed by the community."

The college is definitely seeing growth, having served 1,432 students in fall 2011, Cox says. Spring enrollment is often smaller, but overall, growth has been the message of the past four years. Cox says she connects with the student population mostly through its leaders, with whom she meets regularly.

Cox still believes she is living a dream: "I am doing exactly what I'm supposed to do."

— Shannon Tangonan



Big Ups to Hilo Grad

Former homeless dropout earns degree to 'make good on a promise'

Anthony Holzman-Escareno (AA '09 Hawai'i CC, BA '12 Hilo) often refers to rapper Tupac Shakur's poem about a rose that grew from a crack in the concrete when he describes his path from being a homeless ninth-grade dropout to a college graduate.

The poem's message is so powerful to Holzman-Escareno that he had it tattooed on his body in three separate places, including an image along his wrist of a rose rising from the concrete.

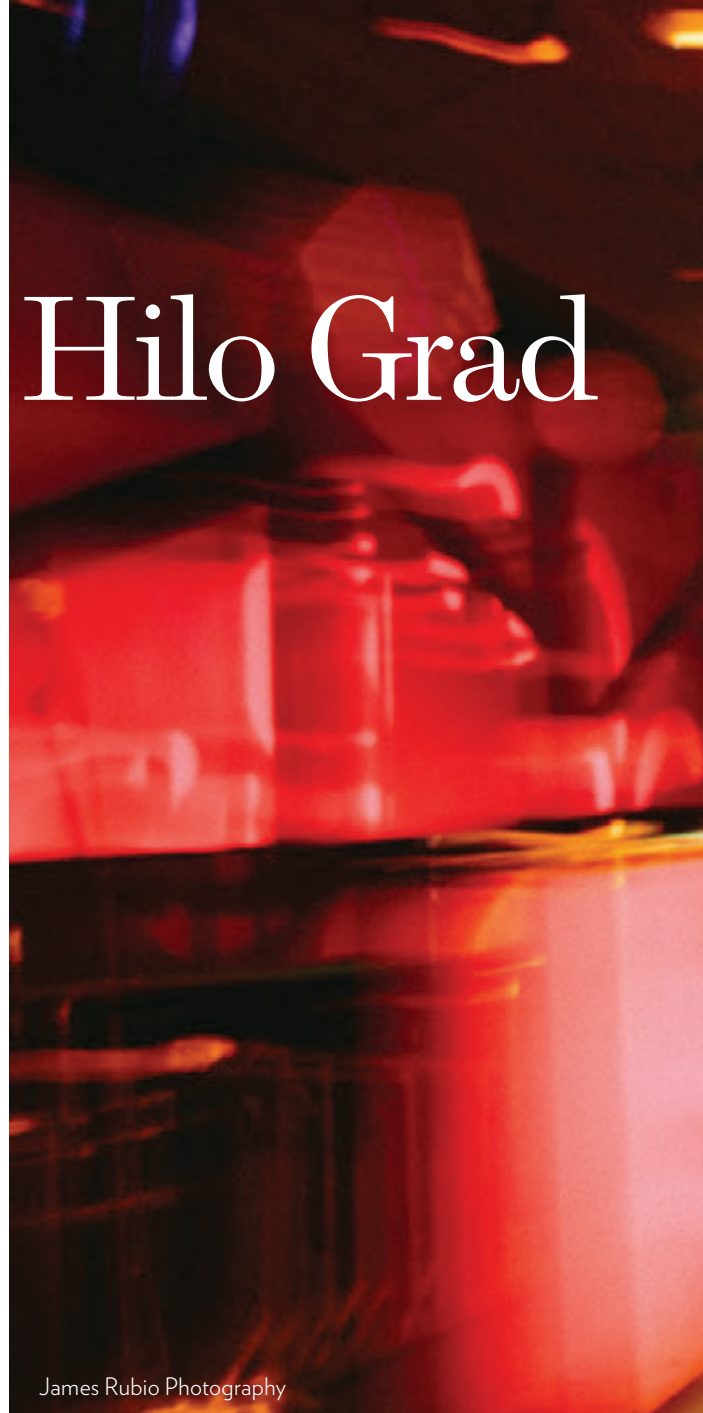
"If it wasn't for Tupac I wouldn't be where I am," says the 25-year-old, who was the honored student speaker at University of Hawai'i at Hilo's Spring 2012 commencement. Like Shakur, Holzman-Escareno never let his past define him.



View Anthony Holzman-Escareno's speech at UH Hilo's Spring 2012 commencement at: www.youtube.com/watch?v=w5v900f6UdY

"Roses can grow from concrete. They might have damaged petals or torn thorns," but they can grow and flourish, Holzman-Escareno says. Much like himself. The dropout—who spent time in juvenile detention for robbery and was on and off the streets with his mother and siblings while in his teens—knew he would make something of himself.

"I was tired of people saying I wouldn't amount to anything," says Holzman-Escareno, who plans to go to law school in California. Shakur, a rap icon who was



James Rubio Photography

gunned down in 1996, "showed me there is more than just what you see out your window."

Holzman-Escareno doesn't recall a singular moment when he decided to change course. But he eventually moved from O'ahu to the Big Island to live with his grandmother, who encouraged him to get an education. Ultimately, he wanted to "make good on a promise" to take care of his mother, he says.

Holzman-Escareno went on to pass a test that allowed him to enroll at Hawai'i Community College without a GED. There he worked hard to get through basic courses before enrolling at UH Hilo, where he earned his degree in English with a minor in philosophy.

Along the way he would gain the respect and friendship of his professors.

Holzman-Escareno is "one of those students where unless you get them to think outside the box they don't



“We have to appreciate our doubters. They fuel the fire that propels us forward.”

flourish,” says Seri Luangphinit, a UH Hilo English professor who first came across Holzman-Escareno in her advanced poetry course. He was already a talented rap lyricist when she introduced him to poetry from a more traditional standpoint. “Once you get him to think outside the box he will take it and then go the next 250 yards. He really grew. Not everybody can do it; not everybody is gifted.

“Tony is able to take some of the most advanced ideas and theories and take it to the next level,” Luangphinit adds. “He has that rare gift.”

With this street-smart student, Luangphinit says she had to “walk the walk” to earn his respect, noting she had to show him that she could do what she asked of her students.

In his commencement address, Holzman-Escareno gave special thanks to his professors.

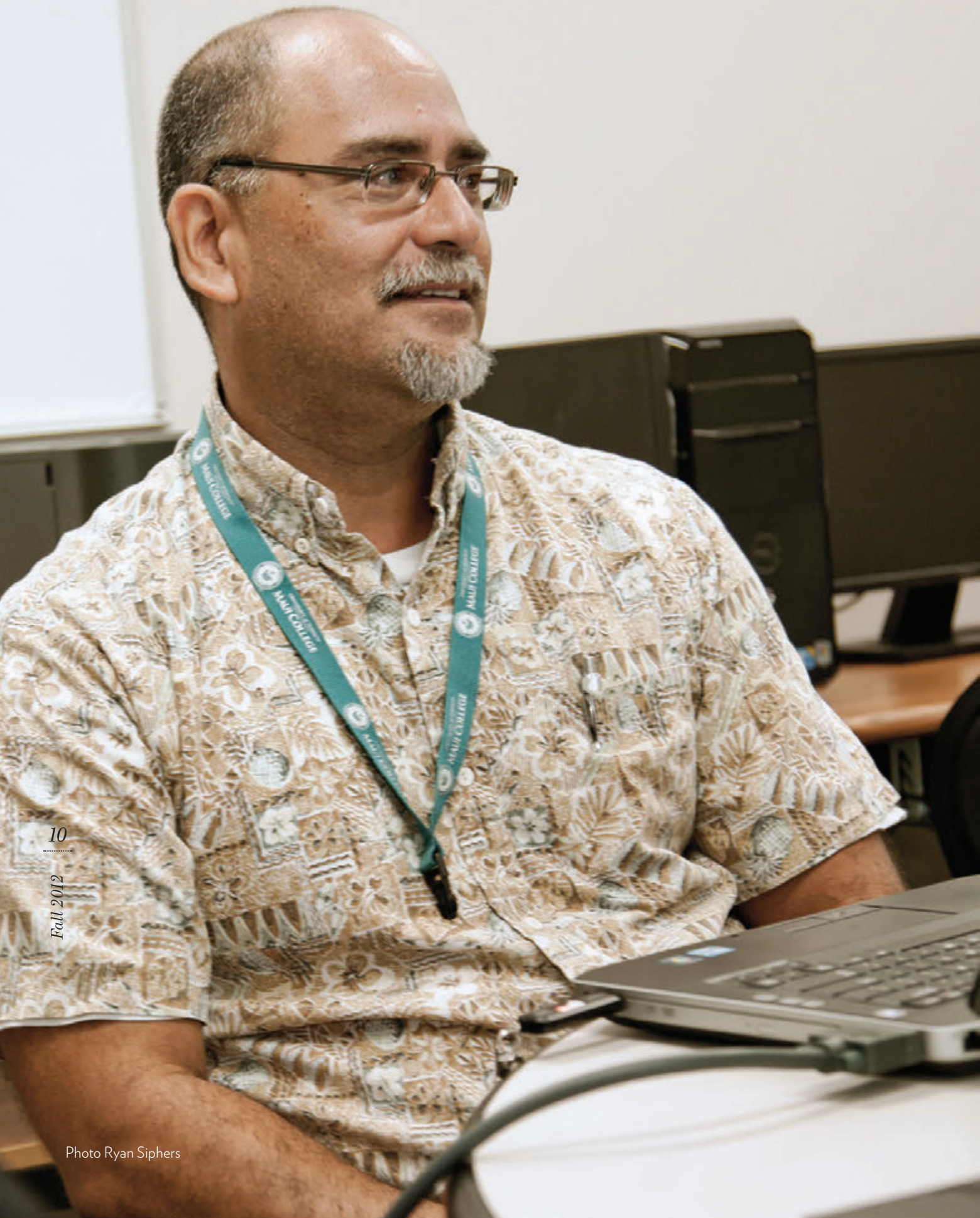
UH Hilo, he said in his speech, “is the place where dreams can be conceived and realized ... where a kid with a troubled past and no high school diploma had the chance to prove himself worthy of representing this graduating class.”

Those three minutes in which he addressed his fellow graduates were “so pretty,” Holzman-Escareno recalls.

In his address he challenged his fellow graduates to “maximize our potential and utilize this education.”

“Some of us weren’t supposed to be here,” Holzman-Escareno said in his speech. “We have to appreciate our doubters. They fuel the fire that propels us forward. Be better than people expect you to be. Be better than you expect yourself to be. Long live the roses that grow from concrete.”

— Shannon Tangonan



Combining Culture and Computers

Naho'olewa blends traditional values, technical knowledge to enrich Maui students

Tradition and technology do not clash inside a classroom the University of Hawai'i Maui College campus as Dale Naho'olewa, with the soft-touch of a kupuna, uses his Hawaiian culture to nurture and encourage students to solve complex computer problems and learn the ins and outs of computer software.

A former software developer and computer programmer for Boeing and other private firms, Naho'olewa has been bringing his skills to UHMC for the past year as an instructor in

to improve communication fits in with the mandate of STEM (Science, Technology, Engineering and Math). Naho'olewa says he believes future generations of workers' dependence on technology will only grow and so will their need for knowledge.

"We are so pleased to have someone like Dale Naho'olewa on the staff, someone who can bring the industry perspective on this important STEM field to our campus," says Jonathan McKee, UHMC vice chancellor for academic affairs. "Technology is moving at such lightning speed that it is more important than ever to

Fun Facts about Dale Naho'olewa

- Last book read: *Team of Rivals* by Doris Kearns Goodwin
- Favorite music genre: Hawaiian, slack-key guitar and 'ukulele
- First job: Helping a friend deliver ice to local stores and mowing lawns in the neighborhood.

information and computer science.

"I was raised with Hawaiian values, the respect for the land and the values of the culture," says the 50-year-old Naho'olewa. "In teaching you have to be a master of the tools of technology. I'm constantly trying to communicate effectively. I'm trying to figure out what teaching method is best for me. There's a lot of growing going on."

While at Boeing, Naho'olewa developed software to allow operators to schedule satellites overhead. His use of technology

keep in touch with our roots, to be true to who we are as a people, especially living in Hawai'i and being part of the Hawaiian host culture."

Naho'olewa can trace his family to Maui, Kaua'i and Moloka'i, but he did not grow up in Hawai'i. His father was in the military and his family lived in Okinawa and Guam before he came to Hawai'i as a 17-year-old freshman at UH Mānoa. In his junior year, he joined the U.S. Army and began his career as a computer programmer/analyst where he developed tactical communication systems for the military.

"Now I'm brand new at teaching, they're easing me into the role, but I'm eager to try it out," Naho'olewa says. "I've met a lot of my goals. Throughout my career I am amazed that I have had a number of these great opportunities that I've just stumbled into."

— Suzanne Roig



CREATING ACADEMIC PASSIONS, COMMUNITY PARTNERSHIPS

Tom Apple, a distinguished scientist and former provost at the University of Delaware, was named chancellor of the University of Hawai'i at Mānoa in May. Dr. Apple talks about the attraction of the college and the islands and his goals for the campus as well as UH alumni.

Q: You made a 5,500-mile leap from the University of Delaware to Hawai'i. What was the deciding factor to take the reins as chancellor at UH Mānoa?

This is a unique university with tremendous opportunity. I firmly believe in the land-grant mission and was excited by the prospect of coming to such an impressive institution of higher learning. Like the University of Delaware, UH Mānoa is a land-, sea- and space-grant research university that is consistently ranked a "best value" among U.S. colleges and universities. The geographic position of this campus provides the most unique multicultural opportunity there is, and let's face it—Hawai'i is a place not only of outstanding natural beauty but that manifests a spirit of aloha, which is very real. My wife, Anne, and I experience it every day.

Q: What are your immediate goals at UH Mānoa?

One of my core messages is the importance of creating a transformational environment for students, one where every student can find his or her own academic passion. Undergraduate research, service learning, civil engagement, public scholarship, internships and study abroad are just a few of the ways to help students find their passions and instill a sense of global citizenship. I also want to increase research money coming to this campus—by hiring great faculty, establishing interdisciplinary teams, and encouraging partnerships with the community, including the military, business and government. For the first few weeks of my chancellorship, I will be on a listening tour of deans and directors, and will formulate other goals. Overall, I'll be guided by the philosophy that we do noble work here and must always be motivated by our responsibility to students, staff and faculty, and the entire state.

Q: UH Mānoa has more than 170,000 alumni residing in 50 states and more than 100 countries. In what ways are alumni helping UH become a global center for teaching and research excellence?

Many of our alumni are successful, prominent business and government leaders. For example, Arsenio Balisacan (PhD '85) was appointed by Philippines President Benigno Aquino as socioeconomic planning secretary and director-general of the National Economic and Development Authority. Pamela Slutz (MA '72) has served as ambassador to Mongolia, deputy chief of mission in Kenya, and was a member of the U.S. delegation to the Nuclear and Space Talks with the Soviet Union. They are just two of the thousands of our alumni who have benefitted from our teaching and research excellence, and are now making a global impact with their careers.

First Science Experiment

"I remember being about 8 years old. I was trying to ignite the gunpowder in a cap for a cap gun, using a magnifying glass and the heat of the sun on a blazing hot day in the summer—and I couldn't get it to work. That's true of about 90 percent of the experiments that I've run, which is good since that's when the interesting questions arise!"





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Hats Off to the Balloon Lady

Nakamura's colorful enthusiasm at UH games revs up the crowd and the fun

Gwen Nakamura (BEd '84, MA '87 Mānoa) knows firsthand how music—or being in the band—can transform a person.

The University of Hawai'i assistant band director who dons multicolored balloon hats and funky costumes at sporting events from football to women's volleyball never craved the spotlight.

"I'm actually truly a shy person," says Nakamura, noting it was hanging out at the Kaimuki High School band room in high school playing the saxophone and the camaraderie that "brought me out of my shell."

More like catapulted her. At any given UH game she is front and center leading about 40 pep band members and revving up the fans with her tambourine.

"When we're pumping up the crowd it's exciting! The drums (play) 'Let's go 'Bows!' That's super exciting and you get into the moment of the game," she says. "I look forward to the games."





“No matter what, whether it’s a great year or not a great year, the band is always there still cheering.”

Nakamura, whose favorite sports are men’s basketball and women’s volleyball, has become so recognizable to UH sports enthusiasts that she often will get approached while out shopping or running errands.

One man recognized her recently on an airplane to San Francisco as she was waiting in line to use the restroom. “He said, ‘Eh, you the UH lady!’” Nakamura says with a laugh. Some people will go on to ask her how the teams will do in any given season.

Most times they’ll say, ‘Eh, you the lady yeah, you the balloon lady,’” she says.

Her signature multihued balloon hats are the creation of former UH band member Keith Takeda (BS ’99 Mānoa), 35, who played trombone.

“She’s superstitious. She needs that hat” to help lead UH to victory, Takeda says. He recalls arriving late to a volleyball game and having to quickly fashion a balloon hat for Nakamura just before the game was over—clinching a win.

“It’s an honor that she lets me do that for her,” says Takeda, who majored in computer science and now works for the U.S. Navy.

Balloons twisted into everything from rainbows to flowers, dogs to Angry Birds, have adorned Nakamura’s head. At every game she gives away the balloon hat to a fan, usually a youngster.

In the fall, when her time is not spent at sports events with the pep bands, Nakamura is assisting with the UH marching band, which on average boasts 250 students. During the spring she works with the concert band. She tries her best to learn each student’s name.

That’s a lot of names after more than two decades with the band program.

“I’ve never thought of it as a job,” she says. “I love it. I never ever thought I’d be here doing this. It’s so fun. The students make it worthwhile.”

Nakamura also finds time to work with former students who make up the alumni band, which entertains at the UH Mānoa Homecoming football game, coming up on Oct. 13. UH grads who have relocated to the mainland often make the trek back for Homecoming. “We’re starting a UH band alumni chapter of the UH Alumni Association,” she says, pointing out that a clarinet player in his 60s faithfully plays at homecoming year after year.

Even with all of those activities, Nakamura considers herself a homebody with Yuki, her Cocker Spaniel-Bishon. She also is a Hello Kitty fan. Floating in the corner of her office was a happy birthday Hello Kitty balloon, which was given to her in March when she turned 50.

“I always say Hello Kitty is the bomb! Hey, we could do Hello Kitty on the field. We can have all the tubas be Hello Kitty,” she jokes.

Nakamura’s boundless energy and enthusiasm easily pump up her students at game time. Her students “feed off of her. They enjoy being there just like she does,” Takeda says.

“No matter what, whether it’s a great year or not a great year, the band is always there still cheering,” says Nakamura.

And to UH fans, she’s become a familiar figure at games, stoking up the crowd.

“You want the whole crowd standing up,” she says. “One day it will happen. That’s the goal—to get everyone standing up and cheering.”

— Shannon Tangonan

Coming Home, Giving Back

ERIKA LACRO IS THE FIRST WOMAN AND, AT 40, THE YOUNGEST TO BECOME CHANCELLOR OF HONOLULU COMMUNITY COLLEGE,

overseeing a campus of 4,600 undergraduate students, nearly 96 percent from Hawai'i and with the highest male enrollment (64 percent) in the University of Hawai'i System. The Hilo-raised daughter of UH Hilo professors comes full circle as a true UH product (BS '94, MS '99, and current PhD candidate, Mānoa). Here's a glimpse at a "busy, but exciting" week for her, juggling work, school and family with husband, Lyman Lacro (former UH volleyball player, BA '92 Mānoa) and their two children, ages 11 and 6.





MONDAY

9 a.m. Classroom visit to Math 9: Developmental Math. The 20 students in this class represent the approximately 70 percent of our students, from recent high school grads to adult learners to the homeless, who need help with first level college math. Math and communication skills are so vital in today's workplace. For my dissertation, I'm helping create an online math social networking site—HCCConnect—to get students to help each other with math.



TUESDAY

1 p.m. Meeting at Community College Career Training Grant, Windward Community College. We are working with all community college vice chancellors on this three-year \$25 million federal grant received in September 2011 and housed at HCC. It's an exciting community college-wide effort to redesign our curriculum to embed math and English into our professional certification programs. Some CTE (Career and Technical Education) students spend up to two years in remedial courses to be certified. We need to change that.

WEDNESDAY

3:30 p.m. Visit to Hawaii Carpenters Union for a meeting with one of our major union partners to discuss our training program. As day students end classes, skilled laborers populate our campus for after-work training. Not counted in our enrollment, these "invisible" students can number as large as our undergraduate population. HCC has more than 15 union partnerships to provide training needs and is proud to be the state's apprenticeship program for the Pearl Harbor shipyard.



As an administrator at Honolulu Community College, Lacro is recognized for providing consistent, stable leadership in academic affairs at the campus as well as with systemwide initiatives. She has successfully managed the Campus Leadership Team composed of academic deans, directors, division chairs and unit heads.

THURSDAY

9 a.m. Conference call to Johnson Controls in Milwaukee. We are working with this global diversified technology and industrial leader to develop new sustainability career pathway programs at HCC. We're excited about this partnership from the state-of-the-art work they did re-vamping our campus to be more energy efficient.

Noon. Presenter to Board of Regents, HCC. I am so proud as host chancellor to report on our first-ever Engineering Academy, a summer learning experience to teach applied engineering skills to 30 high school students, all aspiring engineers. There were amazing team and individual games—water balloon launch, spaghetti bridge building and a mouse-and-sumo robot competition!

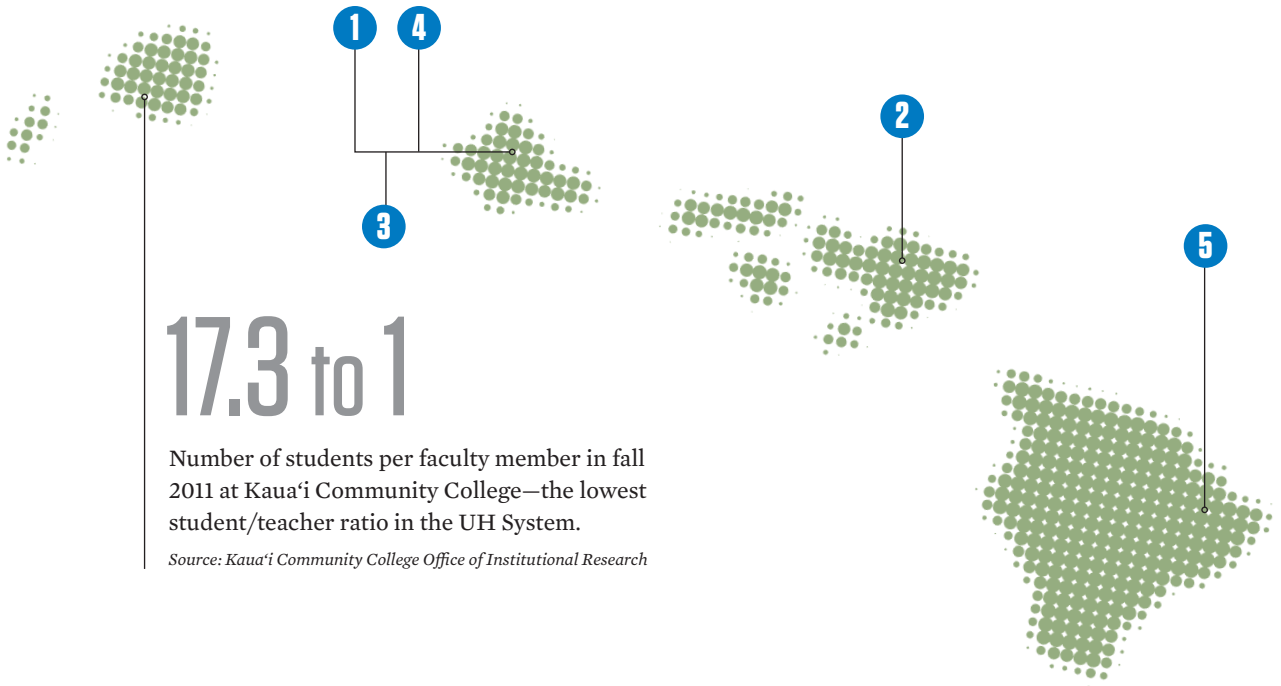


For more information on HCC: www.honolulu.hawaii.edu/welcome

FRIDAY

10 a.m. Welcome tech industry reps to PCATT (Pacific Center for Advanced Technology Training). Mainland representatives are in town from one of 18 advanced technology industry leaders we partner with through PCATT, the community colleges' consortium housed at HCC. Students and working IT professionals receive advanced training right here in Hawai'i through our certified training academies for Cisco, Microsoft, VMware, Oracle and more.

3 p.m. After school, pick up the kids. Bring my son and daughter back to mom's workplace to see the on-campus lo'i for mala (dry land taro) that students, faculty and staff worked on together. For the students and for my family, that's what's important to me.



17.3 to 1

Number of students per faculty member in fall 2011 at Kaua'i Community College—the lowest student/teacher ratio in the UH System.

Source: Kaua'i Community College Office of Institutional Research

1 MĀNOA

“The Hawaiian language, one of more than 3,000 worldwide threatened with extinction ... is in a unique position to be strengthened or revitalized.”



John Van Way – Project coordinator of UH linguistics team who worked with Eastern Michigan University and Google to launch a website on June 20 for the Endangered Languages Project, an online resource to record and share research on the world’s endangered languages.

A language becomes endangered, says Van Way, when total number of speakers, use in daily life and interest by newest generations diminish. Hawaiian’s future is hopeful because of support by educational and government institutions, successful learning programs and positive interest by the community.

For more information: www.endangeredlanguages.com

2 MAUI

GREEN GARDEN

Got a green thumb for growing vegetables, herbs and flowers? Now Maui community members, students and faculty at UH Maui College can rent a garden plot to make farm-to-table fresh produce a reality at the first Community Garden on a UH campus. Breaking ground in May at its quarter-acre site on UHMC’s Kahului campus, the new garden offers plots (5-feet by 8-feet) on a first-come, first-served basis.

Under the auspices of Sustainable Living Institute of Maui (SLIM), which focuses on community outreach and development activities in renewable energy and sustainable agriculture, the Community Garden aims to encourage greater food security for Maui, which imports 93 percent of its food, and sustainable educational activities. It is funded by Community Work Day, Maui Board of Water Supply and the Ulupono Initiative. Sponsorships and donations are welcome.

For information: www.sustainablemaui.org and go to “sustainability education.” For garden plot information: www.edventuremaui.com and go to “green classes.”

5 HILO

FROM FORESTS TO REEFS

UH Hilo Research is growing with Hawai'i Island as its backyard "living laboratory"

Becky Ostertag, tropical forest ecologist, has been rained on and muddied, slogging through lowland wet forests in Kekaha near Hilo, which are disappearing because of invasive species and land clearing. Marine field ecologist Jim Beets is part of a research team diving off the coasts of Kona and Moloka'i to investigate how algae-eating urchins and fishes can help control nuisance algal "bloom" caused by increased near-shore pollution.



Becky Ostertag

Both scientists are part of the 13-person UH Hilo Research Division, established in 2008 in response to rapid research growth and overall grant activity, according to Daniel Brown, UH Hilo's interim vice chancellor for research and economic development.

"Much of our research is focused on Hawai'i as a living laboratory (and) involved with environmental sciences," says Brown. "Our research is often of the applied type, and we particularly emphasize research that involves our students, both at the undergraduate and graduate level, enabling them to get hands-on experience."

Beets and his student research team (eight UH Hilo marine science students and one graduate student from Scripps Institute of Oceanography), for example, are currently working on the algal growth control project with National Park Service scientists and colleagues from Scripps at Kona's Kaloko-Honokōhau National Historic Park (NHP) and Kalaupapa NHP on Moloka'i.

"Due to its remote location and small fishing effort, Kalaupapa NHP's very different marine populations provide a more natural condition to evaluate the benefits of herbivory," says Beets, who has initiated research and scientific reports on population patterns of corals and reef fishes around Hawai'i Island.

Lowland forests—much of them degraded and in remnants, but not a lost cause—are home to 90 percent of Hawai'i's endemic plants and animals, found nowhere else on earth, explains Ostertag. "That's something very



UHH marine science student Laura Knight preparing to deploy algal growth cages.

special—it's a bragging right, but also a responsibility to take care of this unique gift," she adds.

Ostertag and her research team recently devised an innovative hybrid ecosystem idea she calls a "fantasy football-type approach" to develop new forests that are mixtures of native species and complementary non-native, non-invasive species. "We envision combining

"Much of our research is focused on Hawai'i as a living laboratory ..."
—Daniel Brown, UH Hilo interim vice chancellor

native forests with many of the Polynesian canoe plants, and thus will be creating hybrid ecosystems that have multiple uses."

According to Brown, UH Hilo research is continuing to expand. Among its new developments are the establishment of the Rural Health Science Center, pharmaceutical research in natural products, and the establishment of the Pacific Islands Climate Science Center with UH Mānoa and the University of Guam. Fisheries and computational sciences research are among the more to come.



MAKE YOUR LIFE MAKE A DIFFERENCE

The people and companies of aio are committed to an ongoing investment in Hawai'i and its people—in the firm belief that our Island ways are truly world-class. We believe that the people of Hawai'i can and should share our local values with the rest of the world, helping show others how to be more humane and understanding in the way they live, work and play.

aio is the holding company for a family of businesses involved in media, sports and food. But more important, aio represents the way we live our lives and how we conduct our business. In the years to come, it is essential that we can look back favorably upon our lives, on our value as human beings and on the contributions that we have made to the well-being of others.

Lineage and Legacy of a Crop Geneticist

Visit Dr. Jim Brewbaker at UH Mānoa's College of Tropical Agriculture and Human Resources (CTAHR) Waimānalo Research Station and he not only shows you the latest seed corn in development but also can provide that corn's lineage. The horticulturalist and crop geneticist keeps handwritten records on the development of new varieties of crops that improve nutrition, resist pests and disease and provide higher yields to feed more people.

His meticulous journals go back nearly seven decades.

"As a typical plant breeder, I'm always optimistic about the future but pragmatic about what has been achieved ... for it's never quite enough in a world of 7 billion where 2 billion are hungry," Brewbaker says. "The world only had 2 billion when I was born!"

His work includes developing the seed corn industry in Hawai'i, where the climate lends itself to year-round seed propagation and development. Today the seed corn industry is valued at one-third of Hawai'i's agriculture industry and generates nearly \$250 million annually.

Brewbaker studied crop development at Cornell and at the California Institute of Technology with Nobel Laureate George Beadle. After working in Sweden and the Philippines, he joined

CTAHR in 1961. He still plants and harvests almost weekly while keeping copious notes. His most recent publication

is "about a virus that ruined some of my sweet corn hybrids since one of their parents turned out to be susceptible. We've been hastily squashing this problem by converting the offending parent to resistance. Our efforts are going very well and dominating my summer corn fields."

He adds, "Incidentally, (the fields) are bursting with edible items, should you be able to visit us one day."

Just as impressive as Brewbaker's plant crop development might be the crop of geneticists he has mentored and who call him "Dr. B." Ganesan Srinivasan (PhD '90 Mānoa), a former student who is now the dean of agriculture and natural resources studies at Santa Rosa Community College in California, noted in a 1999 article: "Dr. B modestly claims he would have achieved nothing without his graduate students. His students say otherwise. We could not have achieved anything without his inspiration and training."

—Martha Hanson



Brewbaker launched Hawai'i Foundation Seeds to manage parent seed stocks—the largest collections are corn and tropical legume trees such as *Acacia* (koa) and *Leucaena*.



Dr. B's Pupils

Jim Brewbaker's academic offspring best illustrate how he has touched millions of lives through seeds that he and his students develop and produce.

Taweesak Pulam (PhD '78 Mānoa), the son of a rice farmer in Thailand, started Sweet Seed Co. Ltd. in 1991 and developed the sweet corn hybrid ATS-2, boosting Thai sweet corn industry exports to about \$170 million annually. He is working to develop the first red super sweet corn—a commercial hybrid called “Siam Ruby Queen.” Pulam remembers walking into the cold room at the Waimānalo Agricultural Experiment Station and hearing Dr. B say, “Do you know that some seeds in this room are worth a million? The problem is that we do not know which one.” Years later Pulam showed Dr. B his new cold room in Thailand and said, “The difference here is that we do know which one is worth millions!”



“I think what I get from Dr. B is his love for plant breeding. He always goes to the field before coming to campus. This is what I always do now if I have a chance.”

Sarah Nourse Styan (PhD '00 Mānoa)

grew up in western Massachusetts on her parents' small fruit nursery. She spent six months with Dr. B at the renowned research center CIMMYT in Texcoco, Mexico, where they worked with scientists from all over the world and met Norman Borlaug, considered the father of the “green revolution.” Of Dr. B, Styan says, “He goes far beyond just educating his students in his area of expertise, but also in the breadth and scope of the world and all it has to offer in agricultural research and culture.” For the past 10 years, Styan has been a research scientist at the Waimea Research Center of Pioneer Hi-Bred on Kaua'i where she manages the molecular marker lab.



At Pioneer, Styan works to generate data that are impacting the plant breeding process in the field—helping to get better seeds to farmers all over the world.



Soon Kwon Kim (PhD '74 Mānoa) is known as “Dr. Corn” in his native Korea. Working with Dr. B, he experimented with disease-resistant corn and hybrid varieties and found ways to control two serious pathogens of corn. He returned to Korea in 1974 amid skepticism over his new hybrid seeds, but by 1978 his team had quadrupled the national corn yield and tripled farmers' net income. Over the next 17 years working in Nigeria he developed 100 varieties of maize resistant to striga, a particularly destructive weed. Because of Kim's work, the loss of production to this weed dropped from 73 percent to 5 percent. After retiring from Kyungpook University, he joined the faculty of Handong Global University where he assists in corn improvement in North Korea as well as in Cambodia, Laos, Vietnam, Timor and other underdeveloped communities in southeast Asia.

The Nigerian government conferred an honorary chieftaincy on Kim, calling him Maiyegun—“one who improves the lot of the poor.”

—Martha Hanson



Building Boom

New building construction is happening across the UH System and there's more to be done, including much-needed renovations. Here's a look at how UH is developing new projects on individual campuses, while giving a boost to the state's economy.

“We currently have about \$500 million in actual in-the-ground cash contributions to the economy through our projects.”

—Brian Minaai, UH System Associate Vice President for Capital Improvements

CHALLENGE: Implement new priority building construction, working with campuses, with realistic funding to meet enrollment, instruction and research needs. Assist with funding the backlog of renovations and repairs.

RESPONSE: The Office of Capital Improvements (OCI), reporting directly to the university president and resulting from the state constitutional amendment in 2000 that granted UH autonomy, was “created to serve our clients—the campuses—and the students they serve,” says Brian Minaai (BA '73, MA '79, MBA '84, Mānoa), associate vice president for capital improvements since 2008.

OCI oversees the University of Hawai'i's own physical plant, previously one of many public projects handled by the state's Department of Accounting and General Services (DAGS). OCI also centralizes the UH System oversight of large new building projects at each campus and individual campus long-range building plans.

“Each project must meet the unique needs of the individual campus and UH's strategic plans,” says Minaai, who brings 30 years of public and private project development experience. The UH Hilo campus' new Student Life Center, for example, addresses a student retention challenge for the rural campus with indoor fitness/recreational rooms, a café and an Olympic-sized swimming pool, among other features. The upcoming Cancer Research Center in Kaka'ako and other research facilities are also potential growth engines to leverage federal funding and attract new researchers.

“We currently have about \$500 million in actual in-the-ground cash contributions to the economy through our projects,” says Minaai of UH's contribution to the state's building industry.

Funding remains an ongoing challenge for both new construction and renovations and repairs prompted by building lifetime cycles. “In the next six years, we can clear our backlog of renovations, pending sufficient funding from the legislature,” says Minaai of the \$400 million in renovations and repairs competing with other state needs in Hawai'i's slowly recovering economy.

**Education and Innovation
Instructional Building**
Leeward Community College

This new three-story, approximately 18,300-square-foot building will be a learner-centered environment for LCC's Teacher Education program, which has grown 1,700 percent since 2007. It will include a student resource center, lecture halls, classrooms, conference rooms, and individual and group study areas. Projected completion: late 2013.



▲ John Ida AIA, CSI, (BA '69 Mānoa) Partner, **Urban Works Inc.**

Designated to accommodate the growth of LCC's Teacher Education program, this new building is intended to act as a beacon and focal point for the campus. The transparency of the building shell creates continuity between interior space and exterior space. Taking advantage of ample sunlight, trade winds and site orientation, the high-performance building incorporates passive design strategies, such as sun shading, tree shade, operable windows and a green roof, to reduce climatic impacts on the building envelope and the environment for a healthier learning space for occupants.



University of Hawai'i Cancer Center
UH Mānoa

The recently renewed National Cancer Institute-designated cancer center will be housed in this 150,000-square-foot two-structure building featuring research labs and large open spaces to foster interactions and collaborations among scientists, students and staff. It is the only NCI-designated center in Hawai'i and the Pacific. Projected completion: fall 2012.

It's been almost 30 years since the last Cancer Center was built in Hawai'i; we knew it had to be something special, something innovative. Lab designs and standards have changed so much over the past few years that what was once groundbreaking only a few years ago now gives way to new concepts and expectations. Our neighborhood lab designs are setting the new standards for investigator collaboration, building efficiency and sustainable practices. These innovations put the University of Hawai'i at the forefront of science and cancer research.

▲ Jeffrey S. Nakamura, AIA Vice President
SHIMOKAWA + NAKAMURA

Campus Center
UH Mānoa

This 56,000-square-foot new student center, built around a monkey pod tree-sheltered courtyard for outdoor events, offers an indoor running track, indoor volleyball and basketball courts, full locker facilities, cardio and weight rooms, dining spaces, plus multipurpose rooms for yoga and classes. Projected completion date: February 2013.

This state-of-the-art campus center brings UH Mānoa on par with the national trend of creating on-campus lifestyle and wellness facilities that meet the social, fitness and recreational needs of Mānoa's largely commuter student population. Students can stay on campus to play sports, work out, enjoy events, have meals and just hang out with friends. As a firm specializing in higher education facilities, we aim to make this a LEED-certified building for future generations.



▲ Shaun Ushijima, (BArch '87 Mānoa) President and Principal Architect **Ushijima Architects**



▲ **W. Terry McFarland**, Architect, LEED AP, Principal
Architects Hawaii Limited

Library Learning Commons Windward Community College

Opened in August, this new three-story, 69,000-square-foot building is home to WCC's library, computing, media and duplication services and the Ka Piko Student Success Center providing testing, tutoring and math, speech and writing labs. It also features video and audio studios, study rooms, a coffee shop and a Hawaiian collection room.

Working with the stakeholders of UH's second youngest campus, we created a 21st century state-of-the-art facility as the academic center of campus. A large north-facing three-story glass wall along with skylights will allow natural light to penetrate deep into the building, reducing the need for artificial lighting while creating a better learning environment. PV panels will save UH approximately \$30,000 each year. This building will become the first LEED-certified library building in the UH System, achieving a silver certification.

Culinary Institute of the Pacific at Diamond Head Kapi'olani Community College

This 43,000-square-foot Silver LEED-certified green building on 7.8 acres on the slopes of Diamond Head will feature an advanced Asian culinary lab, competition amphitheater, signature restaurant, baking and patisserie lab, classrooms, an imu pit, themed garden plots and more. Projected completion: TBD.

The architecture of the Culinary Institute of the Pacific is founded in the goals of providing Hawai'i with world-class teaching facilities for the culinary arts as well as distinguishing itself as a good neighbor to the community. The design meets these goals through the rehabilitation of the former Cannon Club site with low-scale modern building forms, sensitive landscaping and site-appropriate materials that are respectful to the national monument, Hawai'i's culture and the surrounding environment.



▲ **Joseph J. Ferraro**, FAIA, LEED AP, Principal **Ferraro Choi**

'Ike Le'a Science Building UH Maui College

Featuring Maui's first independent, roof-retracting teaching astronomy observatory, this new science building offers labs, a 30-seat lecture-style classroom, library and student study common area, and a 120-seat multi-purpose amphitheater for lectures, performing arts and conferences. Projected completion: fall 2012.

In bringing UH Maui College's new science facilities to 21st century standards, we sought to create an aesthetic and functional interpretation to meet the demands of diverse scientific research and instruction. The whole building had to represent a teaching tool for science and sustainability. A south-facing roof with PV panels and wind turbines contribute to energy efficiency, while classrooms, labs and the state-of-the-art amphitheater utilize natural lighting as much as possible.



▲ **Vernon Inoshita**, AIA, LEED AP President, Principal Architect **Design Partners Inc.**

Palamanui Campus
Hawai'i Community College

As UH's first permanent physical campus in West Hawai'i, this estimated \$25 million complex in Kona represents a collaboration of state, federal, county and private resources. Built in phases, the new campus will include classrooms, a library, student services, science laboratory and the new home for Hawai'i CC's culinary arts program. Projected completion: TBD.

The campus site's off-the-grid isolation from utilities/infrastructure and construction on virgin lava land that has never been developed for modern use provided the design team opportunities to explore sustainable and ecological solutions. They include sunlight harvesting (PV panels), daylight harvesting, mix-mode air conditioning/natural ventilation system, onsite wastewater system (constructed wetlands) and water reuse for irrigation of the landscape (xeriscaping). The main spine of the campus serves as its mall, with nodes (entry plaza, Marae/Piko, cultural plaza) connecting the campus with the community and archeological preservations. Modular-designed buildings provide flexibility for program variation and future campus expansion/transitions.



▲ John Ida, AIA, CSI (BA '69 Mānoa), Partner Urban Works Inc.

College of Hawaiian Language
UH Hilo

Winner of the 2010 American Institute of Architects Honolulu Design Award for "Commissioned Work to Be Built," this two-story 37,000-square-foot structure on a three-acre site features classrooms, performing arts auditorium, library, curriculum and media resource room, computer lab, student and faculty lounges and more. Projected completion: summer 2013.

Inspired by 'Aina and Kanaka . . . given breath by Pele, sculpted by Pahoehoe, manifested as Pōhaku . . . the form of the building was inspired by the Mauna of Hawai'i Island. The center, the lifeblood, a place of new beginning . . . the Piko, a central plaza, organizes the facility developed around it. As the head, the vessel of knowledge . . . the Po'o, an auditorium, looks to inspire and allow for instruction, performance and thought. A College of Language must have the ability to speak . . . the Waha, a lanai off the auditorium, is space to create a dialog with the campus and the greater community of Hilo. Lastly, Pa Kīpuka, a place of oasis, represents the external gathering space of the facility for contemplation, ceremony and celebration.



▲ Robert K. Iopa, AIA, LEED AP, President and Principal WCIT Architecture

➔ **Hawai'i Hall at 100**

In 1912, the University of Hawai'i's first permanent building on its new Mānoa campus was built for \$75,000. Classes began in the 35,550 square-foot structure in fall 1912, even though it lacked some doors, plumbing and electrical connections. The rough paths on campus for future roads were so muddy after rains that first UH President John Gilmore used his horse and buggy to pick up faculty. Students used mud scrapers at the doors to clean shoes and boots before entering.

Source: Barry M. Brennan and James R. Hollyer, editors, *Hawai'i's College of Tropical Agriculture and Human Resources: Celebrating the First 100 Years* (2008).



Hawai'i Hall (circa 1920s) has been recently renovated and now houses the UH Mānoa chancellor's office.

FIVE THINGS YOU OUGHT TO KNOW ABOUT SUSTAINABILITY AT THE UNIVERSITY OF HAWAII

UH MĀNOA

THEN AND NOW: Built in 1976, but fallen into disrepair, “The Energy House” was ahead of its time with solar panels, site design to capture the trade winds, wind turbines to generate electricity, and rain and grey water recycling. Restored and updated in 2010, it is now the home of FETCH (Family Education Training Center of Hawai‘i). And it’s still sustainable.

Pictured: Dr. Mary Martini of FETCH and students.



Energy House before and after restoration in 2010



PHOTO COURTESY OF MILES HAKODA



Year Kaua‘i Community College became the first campus to offer training in photovoltaics (PV).

To date, 75 students have been trained. Lead instructor Robert Conti has trained PV instructors at other community colleges and PV technicians on Ni‘ihau. Hawai‘i ranks second in the nation for PV installations per capita.

MAUI

GOING ELECTRIC

“Imagine the future,” says Anne Ku, project director for the Maui Electric Vehicle Alliance (Maui EVA) and UH Maui College instructor, on Maui EVA’s multiyear plan to get tourists zipping around the Valley Isle in electric vehicles with conveniently located charging stations. A 2011 U.S. Department of Energy Clean Cities Community Planning for



Plug-In Electric Vehicles and Charging Infrastructure grant to UHMC is moving that future toward reality with community partners Maui Electric, the Hotel and Lodging Association, and major hotels, among others.

As the only university nationwide to receive one of the 16 grants, UHMC also offered the only proposal aimed at making Maui’s visitor industry more eco-friendly for tourist-related businesses and eco-conscious visitors. With some 60 organizations and nearly 200 individuals participating, Maui EVA has workshops, outreach activities, infrastructure and workforce development among its agenda items toward meeting its December 2012 submittal deadline for its EV on Maui plan.

For more information: www.mauieva.org

COMMUNITY COLLEGES

TRAINING IN SMART GRID

Solar, wind, wave and geothermal energy can potentially give Hawai’i alternative and renewable energy sources to provide relief from high electricity costs. But how to get that generated energy from one area to another, and how to keep its flow stable to avoid rolling blackouts? The answer: Teach technicians how to use smart grid technologies.

Through a \$750,000 Smart Grid Curriculum Development Grant in 2010 from the U.S. Department of Energy under the American Recovery and Reinvestment Act (ARRA), the UH Community Colleges developed a career pathway for technicians on the application of smart grid technologies to deploy and maintain electric power transmission and distribution in cooperation with industry leaders, including Hawaiian Electric Co., Siemens PTI, Integrated Systems Technology, Hampden Engineering, Cisco, AES, H-Power, Emerson, Wesco and Square D.

Completed in July 2012, the two-year program, designed for traditional, non-traditional, incumbent and displaced workers, expects to expand and disseminate the curriculum nationally through other community colleges.

For more information: pcaft.org/home



COMMUNITY COLLEGES

A GIFT FOR TRAINING

Isamu Shinshiro, a retired sewage treatment plant operator who died at the age of 96 in 2009, led a quiet, unassuming life but saw daily the often unnecessary waste of our natural resources at his job. As a legacy for future generations, he bequeathed an astonishing \$1.6 million to provide scholarships to students who need financial help to train in industries that sustain Hawai’i’s natural environment, ecosystems and resources.

In April, 14 students representing all seven UH community colleges received the first awards from the Isamu Shinshiro Scholarship for Sustainable Technology Education and Training Fund. Their majors range from tropical forest ecosystem and agroforestry management and plant bioscience technology to automotive mechanics technology and sustainable construction technology.

For contributions: www.uhfoundation.org/ShinshiroScholarship



Social Healing through Justice

With new professorship, UH's **Eric Yamamoto** carries on Korematsu's ideals.

Eric Yamamoto's congenial and chatty tone develops a certain reverence when the topic turns to his being chosen for the University of Hawai'i at Mānoa's prestigious new professorship—the Fred T. Korematsu Professor of Law and Social Justice.

"It has a lot of substantive meaning, and it is very special to me. It embodies my ideals, my values and my

struggles," says Yamamoto (BA '74 Mānoa). "I'm exhilarated to have that professorship, but with it I feel a strong commitment to keep that legacy going."

Indeed, Korematsu's legacy is steeped in history and responsibility. Korematsu stood up to injustice when, as one of 120,000 Japanese Americans during World War II, he refused to

be relocated to the internment camps. He was jailed and would go on to challenge “racial exclusion” at the Supreme Court level. Although the Court ruled against Korematsu in 1944, he earned respect for his courage and strength in challenging the infringement of civil liberties.

In 1984 a group of young attorneys, including Yamamoto, asked for the case to be reopened and re-examined. New information had surfaced regarding fraudulent evidence and government misrepresentation about the military necessity of internment. This time, they won. Reparation payments and official apologies from the U.S. government were issued to those who were wrongly incarcerated.

After the case, Yamamoto spent six months in a San Francisco coffee shop writing about and reflecting on the event that would set the stage for his career. “I wanted my work to focus on reconciliation work. That is, social healing through justice,” he says.

Yamamoto, who has taught at the William S. Richardson School of Law since 1985, is an experienced, thoughtful lawyer and professor. He is immediately articulate and knowledgeable about any issue that hints of social injustice. But rather than dwell on the awards and accolades connected to his advocacy work and teaching (eight Outstanding Law Teaching Awards, the Society of American Law Teachers’ Outstanding Teacher Award in 2006, and many others), he prefers to talk about raising up leaders.

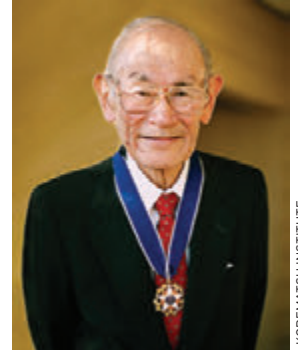
“I want to help students learn how to contribute in justice controversies,” he says. “I bring all my experiences to bear and try to get the students engaged. It’s not just law on the books but law in real life.”

— Tara Zirker

CIVIL RIGHTS HERO

After the U.S. entered World War II, Fred T. Korematsu refused to go to the incarceration camps for Japanese Americans. According to the Korematsu Institute, he even had surgery so he might look less Japanese, and claimed to be of Spanish and Hawaiian descent. Arrested in May 1942, he took his case to the Supreme Court where in 1944 the Court ruled that the incarceration was justified due to military necessity.

Forty years later his conviction was overturned based on the finding of key documents that had been withheld. In 1998, he received the Presidential Medal of Freedom, the nation’s highest civilian honor, from President Bill Clinton. In 2010, his home state of California passed the Fred Korematsu Day bill, making Jan. 30 the first day in the U.S. named after an Asian American. Korematsu remained an activist until his death in 2005 at the age of 86.



KOREMATSU INSTITUTE

Yamamoto was inspired by former Hawai‘i Supreme Court Justice Edward Nakamura. “He took me under his wing when I was a new law professor, and I lunched with him every month for three years. He imparted his judicial philosophy and his pragmatic view of law and politics, with an eye on justice for all.”

Author

Terry Hunt (BA ’76 Hilo) and Carl Lipo offer scientific discovery with *The Statues that Walked: Unraveling the Mystery of Easter Island*. In 2001, the two archaeology and anthropology professors began doing archaeological studies on the island.

The book by Hunt, a professor at the University of Hawai‘i since 1988, and Lipo, who teaches at California State University, Long Beach, provides a new look at the people who built the monumental statues on Easter Island. It examines how they were stewards of the land, devising ingenious methods to boost the remote island’s agricultural output.



Chef

Alan Wong (AS ’79 Kapi‘olani) was honored on May 7 as a 2012 James Beard Foundation Award recipient at Lincoln Center in New York City. The black-tie affair, hosted by the Food Network’s Alton Brown, honored the top 29 chefs in the United States. Wong was the only Hawai‘i chef among the honorees. He is involved with the KCC Culinary Program and has helped with the Adopt-a-Behive Program through the UH Hilo Farm Laboratory in Pana‘ewa.

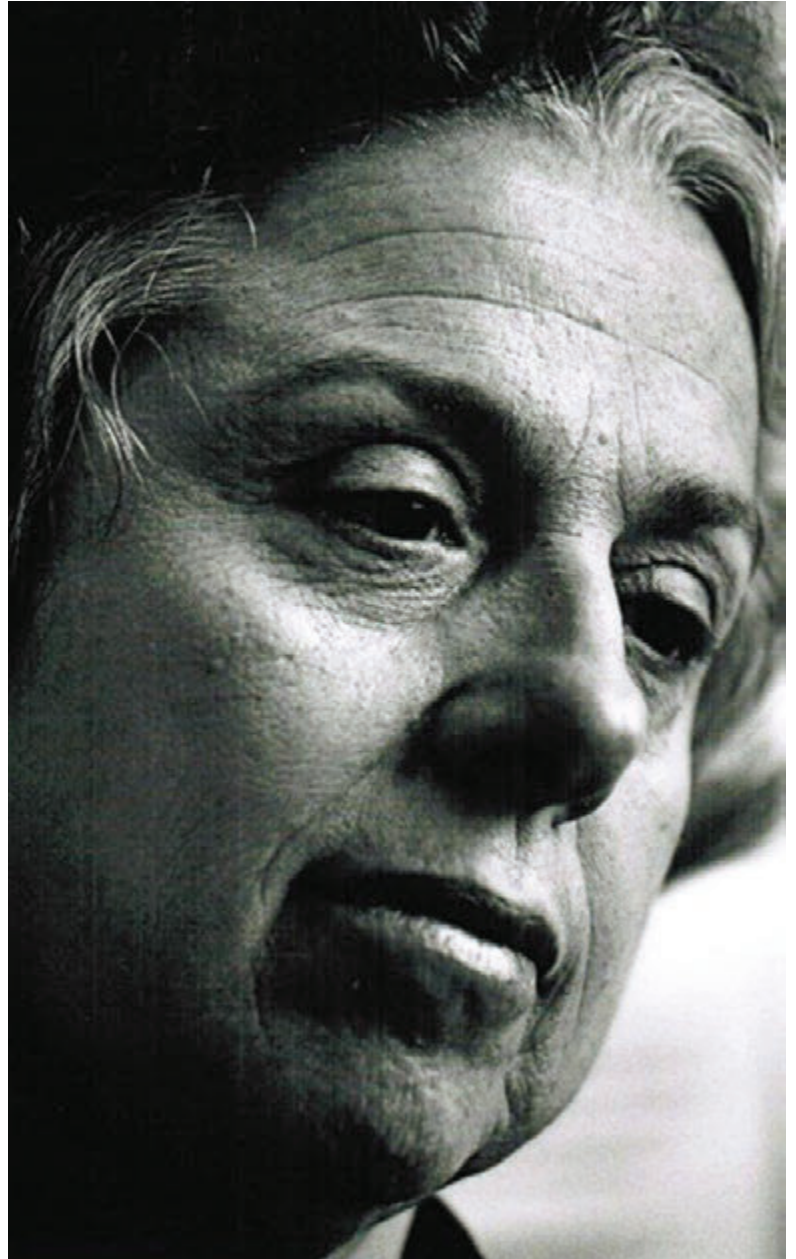


In the Words of a True Poet ...

“I am ... a bottomless pit in wanting to unlock mystery.”

The year was 1960. Hawai'i was a new state, the Vietnam War was under way, and Hemingway and Faulkner would pass on during the time that Rosaly DeMaio Roffman (MS '67 Mānoa) studied for her master's in English at the University of Hawai'i. She arrived to campus as a young poet profoundly curious about Asian literary forms, particularly haiku, and was fascinated by Japanese and Chinese cultures—interests that would form her career.

Roffman and her fellow students soon discovered an old letterpress—reputedly used by Herman Melville, left to Princess Ka'iulani, and then eventually donated to the school—which was then utilized to publish the literary journal, *Three Penny Papers*. The graduate students inked the press by hand and hung the finished papers on clotheslines to dry before sending issues to local interests and the mainland. The 42nd Street Library in New York City has copies of the publication, the



only known small magazine published in Hawai'i at the time.

Having finished her coursework and a stint abroad as a Hawai'i-sponsored traveling instructor, Roffman returned to the mainland. Eventually she became an associate professor of English at Indiana University of Pennsylvania where she taught literature and writing to thousands of students for more than three decades.

“I never thought, ‘You are a success.’ I am humbled by the



noticing and am a bottomless pit in wanting to unlock mystery,” Roffman says. “I truly believe that everything is connected and our job and privilege is to behold and watch what emerges.”

While she taught courses and helped develop an Asian Studies program as well as a center for myth and folklore, she would also become prolific in her poetry and earned a National Endowment for the Humanities Fellowship as well as received an invitation by the BBC to record a program in England on her poetry. Her most recent collection, *I Want to Thank My Eyes*, follows a series which includes *Going to Bed Whole* and *In The Fall of the Sparrow*.

Copies of her work—acclaimed and performed—fill 36 university archival boxes.

— Tara Zirker

“A Story of Cups with Appended Prayer”

There is one still steaming
in a mountain inn close to a lake
And I have one that I glued together
that my teacher made with blue weeds
inside, and one with no handle, good
for pencils or sticking your toe in
Every day I lose one in a coffee room
to someone who doesn't care about sludge
and has the grace to return cups to shelves

An old woman brought me one
with a teakettle when I sat in a bar
closed for the morning in Oahu, and a friend
always brings me tea in a thin German one
with a black rim. I have saved a child's broken
one—with a rabbit no one could throw away

Being drunk or hurt you get a thick one
in Maine. In the basement is a paper one
a soldier, never making it to the garbage

Let me come into this life a cup,
let me fit myself to fingers
without being weary. Let me celebrate
all these hands, these chapters,
moving through tight corners

Bless our many heads bending over

Scholarship

North Star Scientific, founded by **Robert Swisher (AA '93 Leeward, BS '97, MS '01 Mānoa)** and **Sharmaine Swisher (BA '01 Mānoa)**, have pledged \$75,000 to support scholarships for Leeward Community College students in the Science, Technology, Engineering and/or Math (STEM) fields.

“Sharmaine and Robert Swisher are wonderful examples of alumni who truly believe in giving back,” Leeward CC Chancellor Manny Cabral said.

To date, the North Star Scientific Scholarship has assisted 26 students. North Star designs and develops high performance electronics for land-based, ship-based, and airborne Department of Defense applications.

Attending the presentation were, from left, North Star Scientific's Sharmaine Swisher, Robert Swisher, Jim Stamm, and Leeward CC Chancellor Manny Cabral.



Author

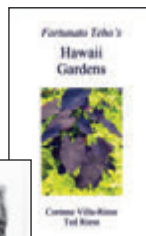
University of Hawai'i at Hilo assistant professor **Jiren Feng** has published *Chinese Architecture and Metaphor: Song Culture in the Yingzao Fashi Building Manual*. Published by University of Hawai'i Press, the book provides significant insight into the historical tradition of Chinese architectural writing from antiquity to the 12th century. The book is available for purchase online at www.uhpress.hawaii.edu



Charity Yoro (BBA '09 Mānoa) is a Shidler alumna who joined the Peace Corps, and for the past year has been living in the remote highlands of Madagascar as a Small Enterprise Development volunteer. She has been working with four farming cooperatives to help them start small Village Savings and Loans associations. She's also been working with high school girls in her village in "Project Mpandrahaha Tanora" (Young Entrepreneurs Club) to provide start-up capital and training on how to manage and save funds to help start their own small businesses.



Fortunato Teho ('27 Mānoa) was Hawai'i's best-known garden columnist and radio/TV man for three decades. His granddaughter Corinne Villa-Riese and her husband Ted Riese recently published a book, *Fortunato Teho's Hawaii Gardens*. Teho was the first Filipino graduate of UH (in 1927 at 19) and was the public information person for its College of Tropical Agriculture (1948-73).



Steven C. Blank (MS '79, PhD '80 Mānoa) of Davis, Calif., was named the new head of the Department of Agricultural and Applied Economics of the Virginia Tech College of Agriculture and Life Sciences.



William E. Sharp Jr. (MA '80 Mānoa) recently released his book, *Random Views of Asia from the Mid-Pacific*. While at UH, he received the James Shigeta Award for Excellence in Asian Studies and the Lee-Shao Chang Award for Excellence in Chinese Studies. He currently teaches classes about East Asian (Chinese, Taiwanese, Japanese and Korean) politics at Hawai'i Pacific University and hosts "Asia in Review," a one-hour talk show.



William "Billy" C.A. Pieper II (MBA '04 Mānoa) was named vice president of business development at O'ahu-based Makai Ocean Engineering Inc. He is charged with expanding and developing the firm's business opportunities, community involvement and overall exposure. He was a vice president and manager of Bank of Hawaii's Institutional Services. Heavily involved in the community, Pieper lists directorships with the Ke Ali'i Pauahi Foundation, the Bishop Museum and is chairman of Alu Like Enterprises.

Jennifer (Shaw) Hancock (BA '90 Mānoa) recently published a new book, *The Bully Vaccine*. In it, she employs operant conditioning techniques she learned while training dolphins at the Kewalo Basin Marine Mammal Laboratory and applies them to teaching kids how to get bullies to not bully them anymore.



David Richard (MA '92, PhD '99 Mānoa) was recently named the dean of the Hamilton Holt School at Rollins College in Winter Park, Fla. He is a distinguished faculty member in the psychology department, is a clinical psychologist and cognitive-behavior therapist, who specializes in behavioral assessment, psychological trauma, and leadership.



Jing Nealis (MAcc '03 Mānoa) has been named the Global Tax Director of Suntech Power, the world's largest producer of silicon solar modules with offices in 13 countries. In this new role, she will lead Suntech's global tax function. She previously served as the International Tax Manager at Deloitte's offices in Chicago, Shanghai and Hong Kong, where she advised multinational companies on cross-border transactions.



Jill Zarchin (MLIS '73 Mānoa) was named a Peace Corps country director for Burkina Faso in June. Peace Corps country directors are the most senior Peace Corps official in their country of assignment and are responsible for the management of all aspects of the Peace Corps program in each country.

Dana Hauanio (AA '91 Leeward; BBA '94 Mānoa) was awarded the U.S. Small Business Administration Small Business Advocate Award for 2012. The award honors outstanding small business owners, entrepreneurs and advocates who best illustrate the important contributions of small business to the local economy and to our quality of life. Hauanio currently serves as director of the MBDA Business Center Honolulu at UH Mānoa.



Floyd K. Takeuchi (MA '77 Mānoa) has joined Bright Light Marketing as vice president. He brings 35 years of media experience as a reporter at the *Honolulu Advertiser* and the *Star-Bulletin*, correspondent and anchor of Bloomberg News in Tokyo, news director of Hawaii Public Radio, editor and publisher of *Hawaii Business* magazine, managing editor of the *Daily Post* in Suva, Fiji, and publisher of *Pacific Magazine*.



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UH and Meadow Gold Fun Facts



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1,000

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post-workout.



250 musicians are in the UH Marching

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1 Lani Moo. Since 1950 she's been Hawaii's most famous

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- Supporting UHAA chapters and UH programs
- Awarding student scholarships and program grants
- Supporting UH student recruitment
- Providing networking opportunities through alumni events and the UHAA Online 'Ohana alumni community
- Recognizing excellence with Distinguished Alumni Awards
- Honoring our Golden Scholars with a 50-year class reunion
- Serving our communities



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We look forward to seeing you at upcoming alumni events – see page 37 for a list of activities. To renew your annual membership, please scan the QR code at left, visit UHalumni.org/join or call 1-877-UH-ALUMS.

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PHOTO: CLIFF WATSON

UHAA honored, from left, Patrick DeLeon '73, Robert Alm '73, Ted Tsukiyama and Virginia Hinshaw at its 2012 Distinguished Alumni Awards dinner on May 10. Also honored at the event were Frederick Choi '65, '68 and Ann Dunham Soetoro '67, '83, '92. To nominate alumni for the 2013 DAA, visit UHalumni.org/daa-nomination.

OCTOBER 6

UH vs. San Diego State football tailgate
Qualcomm Stadium parking lot, San Diego, Calif.

OCTOBER 8–13

UH Mānoa Homecoming
Honolulu



OCTOBER 10 2012

2012 Golden Scholars Reunion
UH Mānoa, Honolulu

OCTOBER 11

Meet Up!
The M Nightclub, Honolulu

OCTOBER 15

Shidler Hall of Honor Awards
Hilton Hawaiian Village, Honolulu

OCTOBER 25

Celebrate! 2012 Honolulu Community College Distinguished Alumni Awards dinner
Honolulu

OCTOBER 27

Pathway to Graduate School
Shidler College of Business, UH Mānoa, Honolulu

NOVEMBER 3

UH vs. Fresno State football tailgate
Fresno, Calif.

NOVEMBER 9

2012 Holmescoming
Holmes Hall, UH Mānoa, Honolulu

FOR ADDITIONAL
INFORMATION ON
ALUMNI EVENTS

go online at

UHalumni.org/events



ALUMNI GATHERINGS

Hillary Chang '92, branch manager of the McCully-Moiliili Public Library, brings snacks for alumni movie-goers at the UHAA-School of Library & Information Sciences chapter's Spring Alumni Social. Chang made a presentation to the group on April 22.



UHAA & Friends-Las Vegas chapter had a booth at the 15th annual Lei Day Polynesian Arts & Crafts Festival at the California Hotel on May 5-6 and members sold about 2,600 spam musubis over the weekend to raise funds for chapter. The chapter held its 12th annual Scholarship Golf Tournament on May 19 at Palm Valley Golf Club in Summerlin, Nev.

Paul Yokota '79, Ren Hirose '85, Paul Tang '71, and Christina Gabriel '92, returned to their alma mater to speak at the School of Travel Industry Management Ambassador Bill Lane Jr. and Mrs. Jean Lane Lecture Series on Sustainable Tourism on April 4. The theme for this year's lecture was "Hotel Trends with a Focus on a Sustainable Hawai'i." UHAA's TIM International Inc. chapter helped sponsor the event.



Members of the UHAA-Kansai chapter met up for a guided tour of the Minpaku National Museum of Ethnology in Suita City, Osaka Prefecture, Japan, on June 10. (L to R): Curtis Kelly (and daughter), Sakiko Pendergast, Tsuyoshi Toyokura, Tom Pendergast, Ritsuko Kikusawa, Laurie Reid and Greg Nakajo. The picture was taken by Daryl Arakaki, Kansai chapter president.



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REMEMBERING A BRILLIANT INFLUENCE

From a boy inspired to build his own radio, W. Wesley Peterson went on to become a superstar of technology whose work helped give the world mobile phones, CDs, digital TV and more.



Peterson had never seen a computer until 1954 after earning his PhD in electrical engineering from the University of Michigan. It was as a visiting associate professor of electrical engineering at MIT, on leave from the University of Florida, that he began to write his book, *Error-Correcting Codes*. Published in 1961 the book introduced algebraic coding theory and is still regarded as a “bible” for error-correcting codes used in digital communication and broadcasting and data storage systems.

Peterson’s interest in electronics began in junior high. “We had one radio. I wanted to listen to ‘The Lone Ranger,’ but it was on at the same time as the news broadcast my parents wanted to hear. So I built my own radio,” he has said. In the ninth grade, algebra caught his attention, and his two interests led to his breakthrough work in computer science.

Peterson died May 6, 2009, at age 85.

“Wes Peterson’s research cut across so many areas. In 1968 at UH, he was one of the original founders of the department of Information and Computer Sciences in the Colleges of Arts and Sciences that offered a Master of Science degree,” said Martha Crosby, chair of the ICS department at UH. “Until he passed away, he continued to be a mainstay of the ICS department. He mentored undergraduate and graduate students and taught highly regarded programming and security courses. The ICS department still misses his influence.”

Peterson, born in Muskegon, Mich., in 1924, joined the faculty at UH Mānoa in 1964 as a professor of electrical engineering. In 1999 he was awarded the Japan Prize following his invention of the Cyclic Redundancy Check. He also did vital research in programming languages, networks and systems programming.

TRIBUTE TO A PIONEER

In 1965 Patsy Mink (BA ’48 Mānoa) became the first Asian-American woman and the first woman from Hawai‘i to join the ranks of Congress, serving from 1956-77 and from 1990-2002 in the U.S. House of Representatives. And she was the first Asian American to seek the presidential nomination of the Democratic Party in the 1972 election. Being a “first” came naturally to her: In 1922 her father, Suematsu Takemoto, was the first Japanese American to graduate from UH.



Throughout her political career Mink, who was raised on a sugar plantation on Maui, battled sexism and racism. She co-authored the Title IX Amendment of the Higher Education Act, which was renamed the Patsy T. Mink Equal Opportunity in Education Act in 2002.

Said Mink: “It is easy enough to vote right and be consistently with the majority. But it is more often more important to be ahead of the majority and this means being willing to cut the first furrow in the ground and stand alone for a while if necessary.”

After Mink’s death in 2002 at the age of 74, President George W. Bush ordered flags flown at half-staff in her honor.

A Quarter-Century of the CSW: 1986-2011

In 1986 the University of Hawai‘i expanded the Commission on the Status of Women, making it systemwide, and tasked it to advise the president on issues concerning women students, faculty and staff. (The CSW was initially formed in 1972 for the Mānoa campus after Hawai‘i became the first state to ratify the Equal Rights Amendment.)

1968-69

Implementation of federal regulations requiring affirmative action plans from contractors with hiring goals and analysis of under-representation of women.

1975

In July, UH Mānoa had three years to comply with Title IX. Dr. Donniss Thompson, athletic director for women, requested a \$231,000 budget, of which only \$131,000 was appropriated.



1989

CSW supported the establishment of women’s centers for the Mānoa and Hilo campuses. Thompson formed a track and field program which became the foundation of Rainbow Wahine athletics.

1990

CSW conducted salary studies and reviewed sexual harassment policies. Recommended a gender equity advocate position.

1991

CSW launched the Gender/Minority Pay Equity Study. In 1994, \$2 million in pay adjustments went to 259 women and minority male faculty.

2000

CSW advocated funding for the Bridge to Hope program for welfare recipients who want to attend college. The program was implemented in 2001.

2007

CSW focused on leadership development for women, resulting in the President’s Emerging Leaders Program.

2009

CSW focused on professional development for clerical and administrative support staff, resulting in the Professional Administrative Summer Institute. Advocated for more women to the Board of Regents. Conducted a child care survey, which was distributed to 65,000 UH faculty, staff and students.



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* 2012 EPA miles per gallon equivalent estimate. Estimate includes consumption of electricity and gasoline energy in combined EV and hybrid mode. Actual mileage may vary.
** 2012 EPA mpg estimates. Actual mileage may vary.

COURTING SCHOLARSHIPS

25

The largest percent of funds raised—\$16.9 million—by the UH Foundation in FY2012 was for student aid. More than 2,800 students received scholarships this past year.



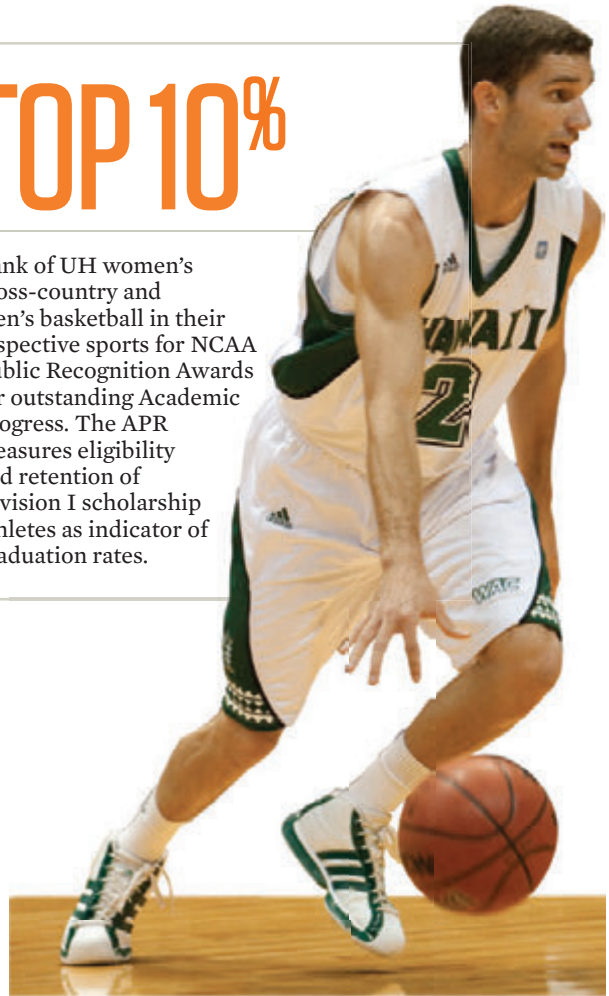
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\$66,855,810

Total amount raised by the UH Foundation for fiscal year ending June 30, 2012.

TOP 10%

Rank of UH women's cross-country and men's basketball in their respective sports for NCAA Public Recognition Awards for outstanding Academic Progress. The APR measures eligibility and retention of Division I scholarship athletes as indicator of graduation rates.



105

Number of current land-grant colleges and universities nationwide. The Morrill Act or U.S. land grant legislation of 1862—celebrating

150 years—enabled the Hawai'i Territorial Legislature to establish the College of Agriculture and Mechanic Arts (UH's predecessor) in 1907.

76

Percent of all Hawai'i public high school graduates entering postsecondary education in fall 2011 who chose one of 10 University of Hawai'i campuses. UH has consistently attracted the lion's share of college-bound public high school graduates.



“I’m a proud alumna of the University of Hawai‘i.

I like to give back because I feel that if I say I’m a proud graduate, I’ve got to put my money where my mouth is.” —Carole Kai ’67



The University of Hawai‘i Foundation, a nonprofit 501(c)(3) corporation, is the sole fundraising organization for the UH System. By partnering with donors like Carole Kai, co-founder of the Great Aloha Run, we help build the margin of excellence for the University of Hawai‘i and nurture the workforce of tomorrow. www.uhfoundation.org • 808.956.8849

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Putting in the Time

Robert Kekaula's geared up for second season doing the play-by-play at UH football games



44

Fall 2012

His career in radio and TV was taking off, but for Robert Kekaula (BA '08 Mānoa) there remained some unfinished business, and an unfulfilled promise. Taking what he affectionately calls the “25-year plan,” he resolved both issues by completing his degree at the University of Hawai‘i at Mānoa.

Now in his second season as play-by-play announcer for OC Sports' UH football telecasts, Kekaula has 26 years experience in the broadcast industry; 23 as a TV sports anchor—most of those years at KITV—and 19 as a UH football color analyst in both the radio and TV booths. According to KITV's website, Kekaula took the “scenic route” toward his degree.

Dropping out of UH in 1987, he said, greatly disappointed his mother.

“I tried to explain to her: ‘Mom, people are graduating and want the job opportunity I have in front of me.’ So in my mind, (leaving school) was a no-brainer. I had to give up something,” the 47-year-old Kamehameha Schools graduate recalled. “Even though it was part-time work, it’s all a matter of getting into the industry, putting in the time.

“Basically, the money I was making was like a paid intern; it wasn’t anything to write home about, which made it look funny to people on the outside looking in and hard to understand. But you have to do what you have to do. So I promised her I’d graduate one day.”

So Kekaula chipped away at his degree, and in fall 2008 he closed the deal.

On graduation day, Kekaula, who was raised in Kona, went to the Honolulu airport to pick up his mother, Anne, and father, Sam, who thought they were going on a family brunch.

“So as I’m driving,” Kekaula said, “I ask my mom just jokingly, ‘What is it that you keep riding me about that I lied to you?’ She said, ‘Oh, that would be graduation.’

“She said jokingly, ‘I’m never going to forgive you for lying to me.’ I said, ‘By the way, I need something back there. Go through the bag and pull out what you feel.’ She pulled out the



“I’ll make no bones about it, I want the home team to win.”

—Robert Kekaula

green graduation cap. She said, ‘What is this?’ I said ‘that’s where we’re heading. I’m walking.’ She was all teary-eyed.”

Kekaula said the moment was only matched by the births of his children. “It was the coolest day of my life.”

Perhaps it was these life experiences that have allowed Kekaula to land the job he has now. There was a big transition from being a color analyst to doing play-by-play, but he made it.

“The OC crew was pretty unreal,” he said. “They helped me a lot. The OC sports crew was top notch.”

His preparation for a game is much like the players’: a couple hours

each day viewing film to familiarize himself with UH’s opponent and memorizing names with jersey numbers. On game day, Kekaula is ready.

“I’ll make no bones about it, I want the home team to win,” he said. “When they do win you kind of feel elated. When they don’t win, you feel hurt. But I get to walk away, no blood, no injuries.”

— Stacy Kaneshiro

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UHAA paid members receive 15% off apparel and spirit items. Membership card required.

PARTING SHOT



46

Fall 2012

LAUGHTER—STILL THE BEST MEDICINE

Photographer: Arnold Kameda

➤ The Dancing Docs delighted more than 300 alumni and guests with their antics at the John A. Burns School of Medicine 2012 alumni reunion in July. Entertainment also was provided by talented alumni and friends such as the JABSOM Hula Halau and musical bands Na Leo Kauka and Soul Patrol. The Dancing Docs include, from left, Dr. Wayne Lum, Dr. Carla Nip-Sakamoto (BS '81, MD '88 Mānoa), Dr. Derek Pang, Dr. Kheng See Ang (MS '75, MD '82 Mānoa) and Dr. Ernie Yim. Brenda Yim, in the background, served as choreographer.





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